



Count on it.

Parts Catalog

Groundsmaster® 4300-D Traction Unit

Model No. 30853—Serial No. 315000170 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.

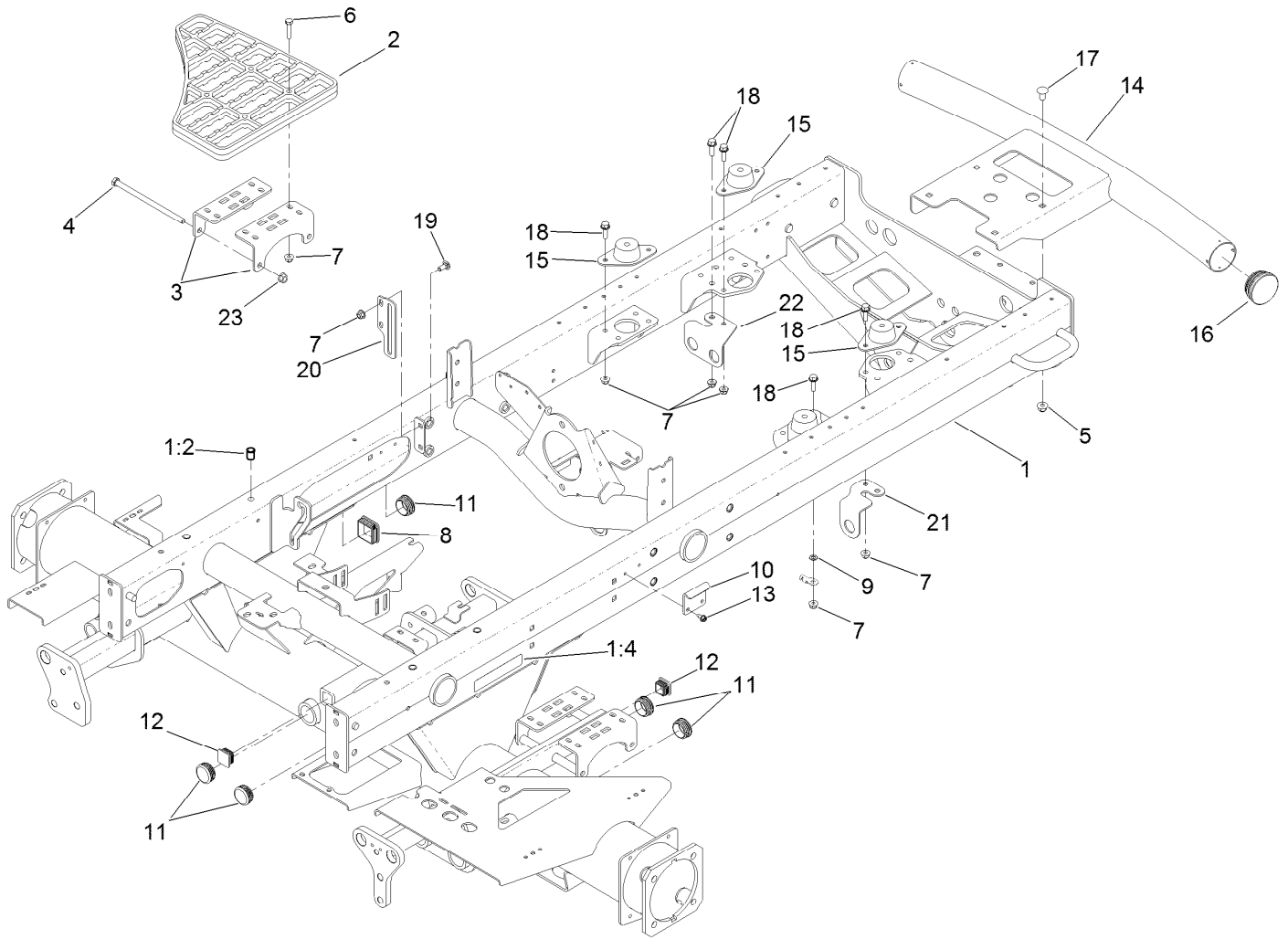
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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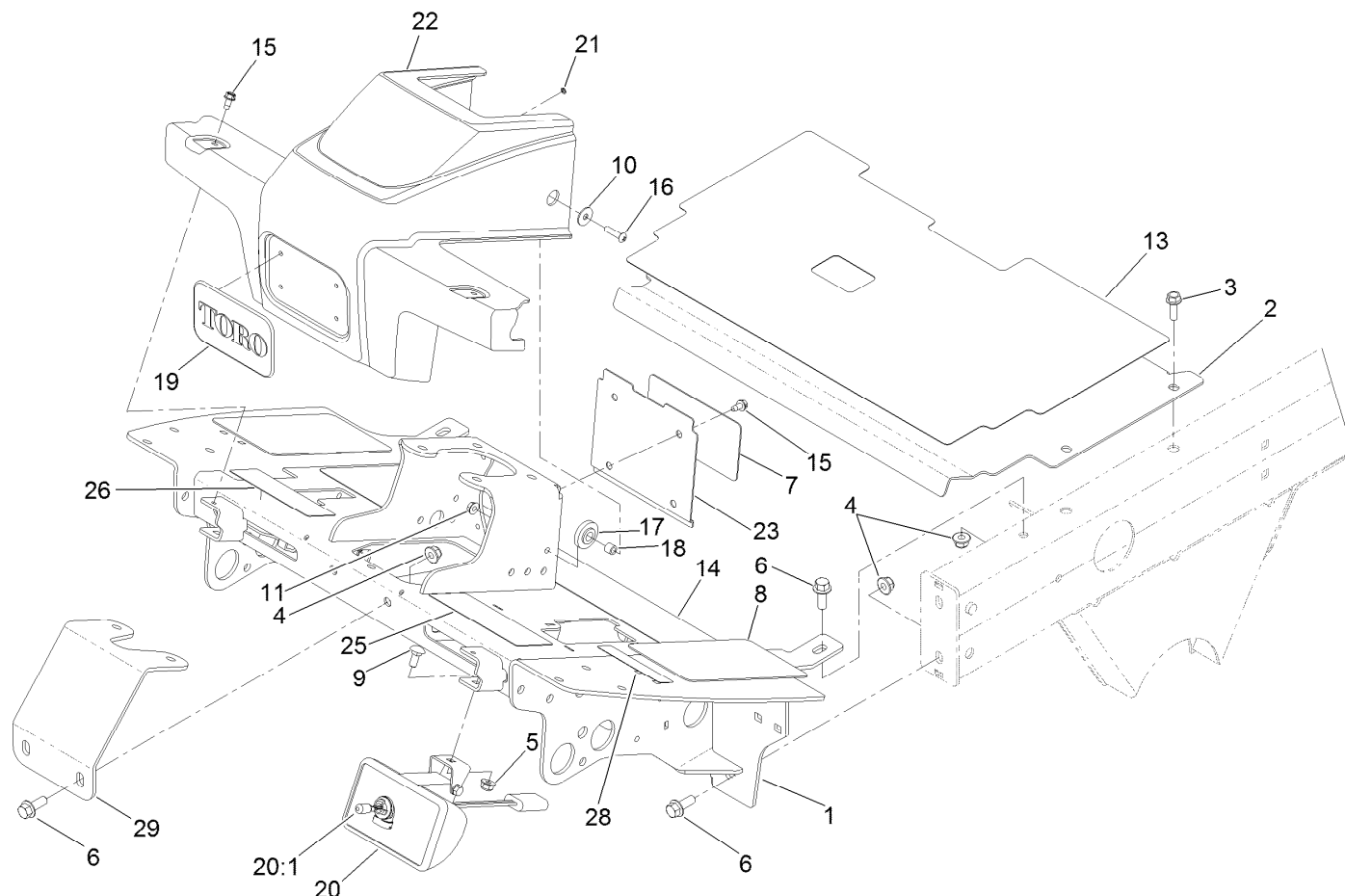
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Frame Assembly

Ref.	Part Number	Qty.	Description
1	120-3809	1	Frame ASM
1:2	32148-7	4	Nut-Clinch
1:4	93-6689	2	Decal-No Riders
2	110-9041	2	Step-Aluminum
3	127-2697-01	4	Bracket-Step
4	323-36	4	Screw-HH
5	104-8301	4	Nut-HF, NI
6	322-17	8	Screw-HH
7	104-8300	20	Nut-HF, NI
8	95-9495	1	Cap
9	3255-8	1	Washer-Lock
10	110-8972	1	Hook-Latch
11	110-9012	5	Caplug

Ref.	Part Number	Qty.	Description
12	110-9013	2	Caplug
13	32104-17	2	Screw-HWH
14	110-8951-03	1	Bumper
15	120-6274	4	Mount-Engine
16	2410-42	2	Cap-End
17	3231-21	4	Screw-CARR
18	3234-29	10	Screw-HHF
19	3230-1	2	Bolt-CARR
20	108-7584-01	1	Plate-Guide, Rod
21	117-0155	1	Bracket-4Wd, LH
22	117-0154	1	Bracket-4Wd, RH
23	32128-21	4	Nut-HF Lock

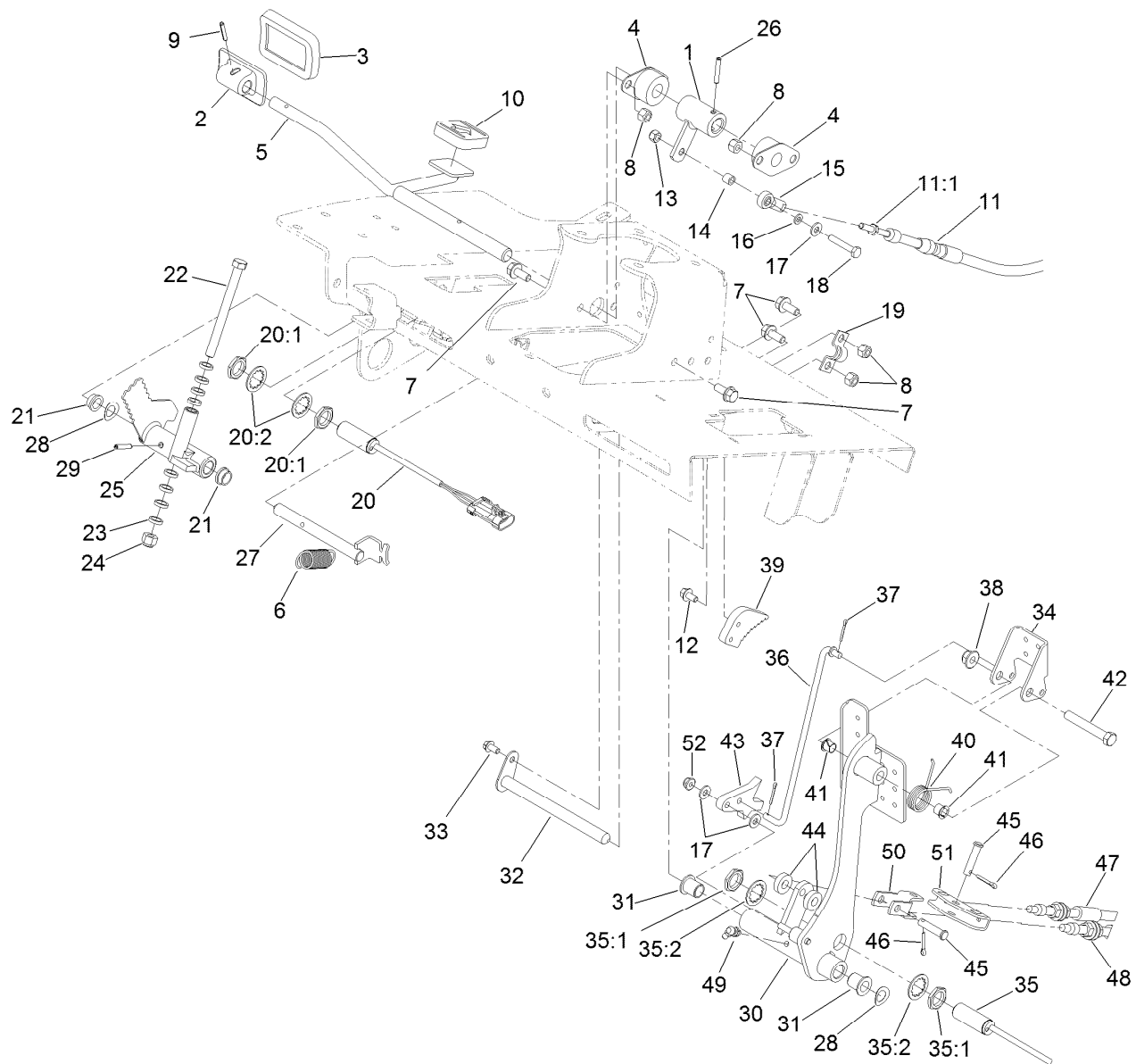


Items 20:2, 20:3 and 20:4
not used on this model

Operator Platform Assembly

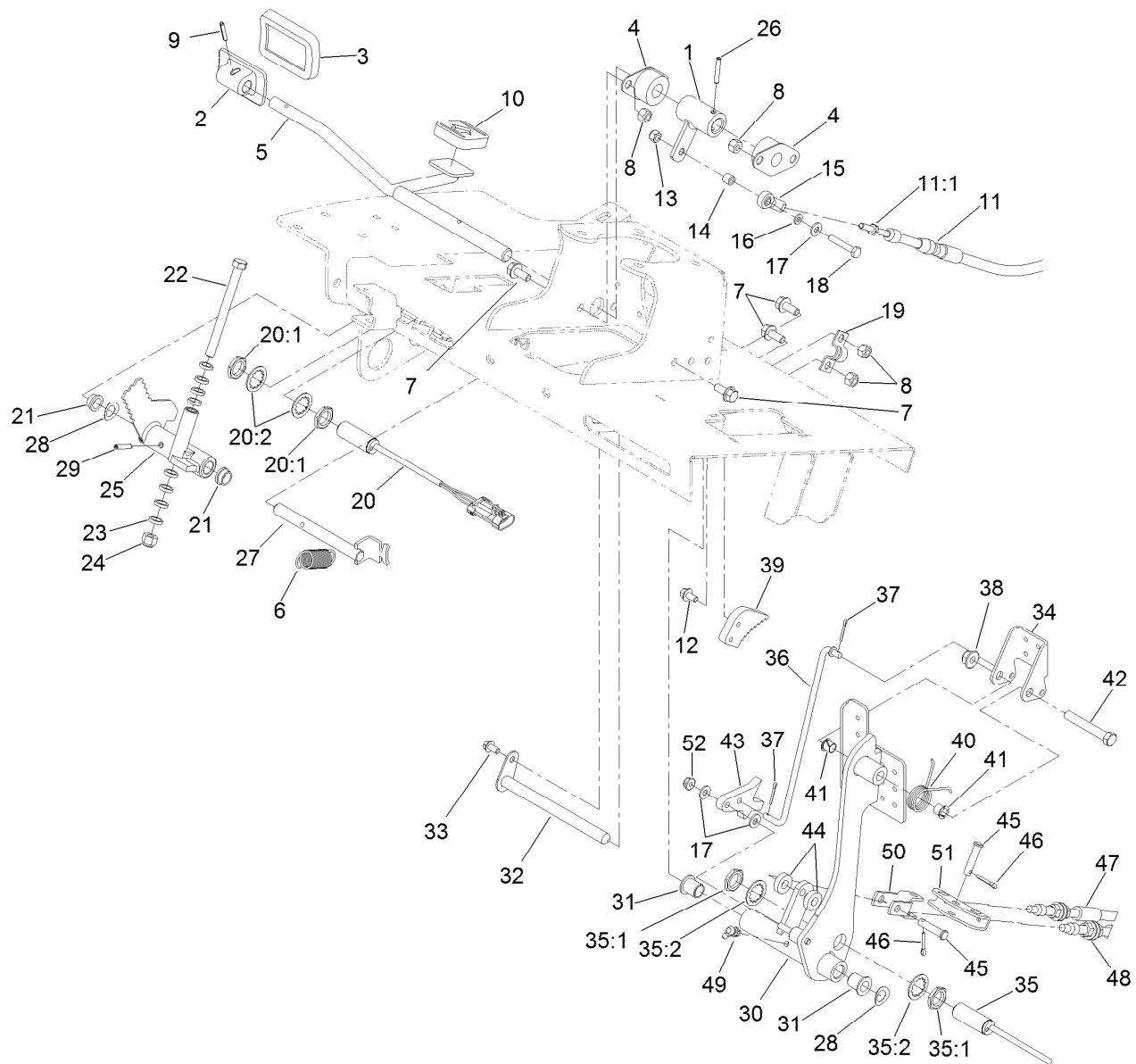
Ref.	Part Number	Qty.	Description
1	127-2310-01	1	Platform ASM
2	115-8064-01	1	Plate-Floor
3	3234-17	4	Screw-HHF
4	104-8301	6	Nut-HF, NI
5	104-8300	2	Nut-HF, NI
6	3234-11	6	Screw-HHF
7	110-0986	1	Decal-Plate, Cover
8	125-2910	2	Tread-Floor, Side
9	3230-1	2	Bolt-CARR
10	87-6630	2	Washer-Plain
11	32128-33	2	Nut-HF
13	125-2911	1	Tread-Panel, Service
14	125-2909	1	Tread-Floorboard
15	32104-17	6	Screw-HWH
16	106-9518	2	Screw-PRH

Ref.	Part Number	Qty.	Description
17	240-11	2	Bushing-Flange
18	66-8010	2	Spacer
19	93-6028	1	Plate-Logo
20	94-9024	2	Lamp ASM
20:1	95-0909	1	Lamp-12 Volt
20:2	3230-28	1	Screw-CARR
20:3	3253-33	1	Washer-Lock
20:4	3217-6	1	Nut-Hex
21	3254-9	4	Washer-Lock, Internal
22	110-0944	1	Shroud-Platform
23	110-0947-03	1	Plate-Cover
25	133-2930	1	Decal-Danger
26	110-8921	1	Decal-Speed, Mow
28	117-2718	1	Decal-Arrester, Spark
29	110-8876-01	1	Brace-Column



Pedal Assembly

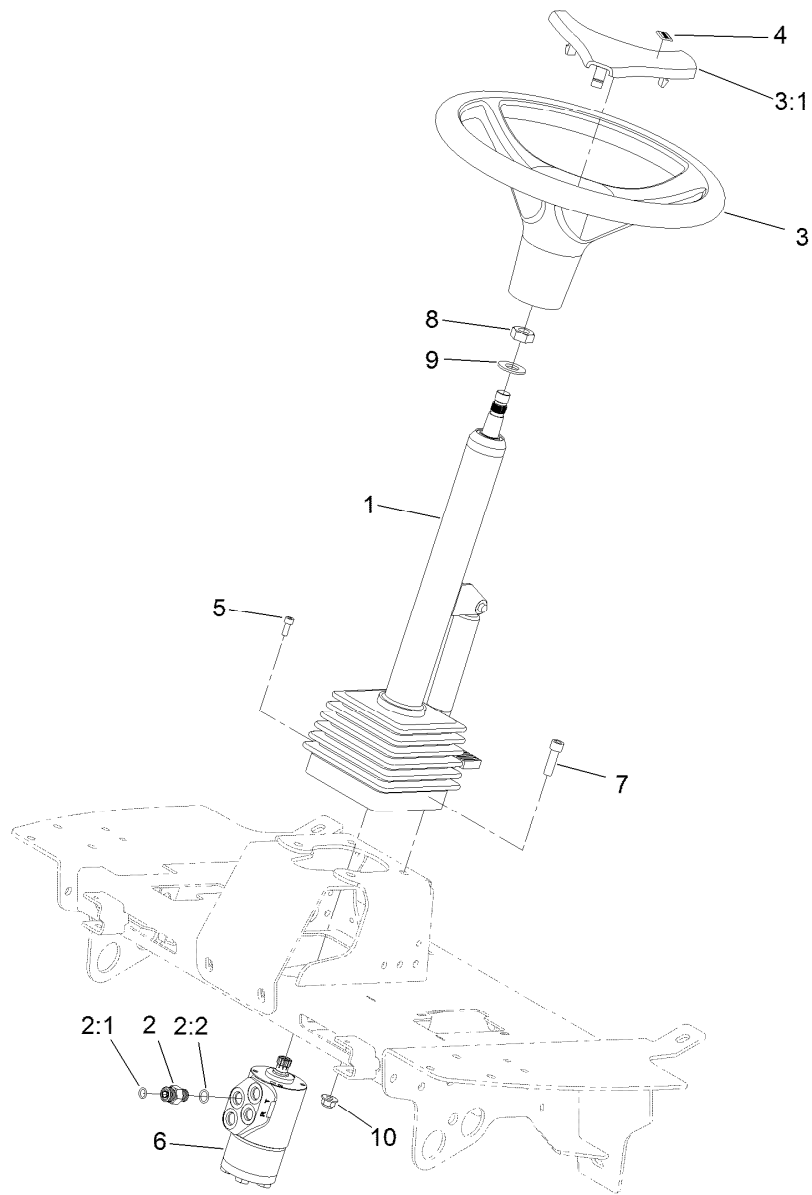
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	117-5199	1	Hub-Pedal, Traction	20:1	117-3207	2	Nut-Hex
2	117-9507	1	Pedal-Accelerator	20:2	117-3208	2	Washer-Lock, Internal Tooth
3	74-9100	1	Pad-Pedal, Forward	21	256-156	2	Bushing-Flange
4	256-236	2	Bearing-Mount, Flange	22	323-17	1	Screw-HH
5	106-3840	1	Pedal-Traction	23	62-4420	8	Washer
6	92-7305	1	Spring-Extension	24	3296-39	1	Nut-Lock, NI
7	3234-5	6	Screw-HHF	25	117-8066	1	Mow-Stop
8	3296-29	6	Nut-Lock, NI	26	32121-6	1	Pin-Roll, Slotted
9	32121-45	1	Pin-Spring	27	106-3731	1	Rod-Pivot
10	74-9110	1	Pad-Pedal, Reverse	28	110-8982	2	Washer-Spring
11	127-2721	1	Cable-Traction	29	32121-16	1	Pin-Spring
11:1	3220-1	2	Nut-Jam	30	115-0120-03	1	Pedal-Brake
12	3234-13	2	Screw-HHF	31	125-8775	2	Bushing-Flange
13	3296-42	1	Nut-Lock, NI	32	104-7179	1	Pivot-Pedal
14	66-8010	1	Spacer	33	32144-4	1	Screw-HWH
15	2411-41	1	Rod End-Ball Joint	34	99-7963-03	1	Pedal-Park
16	33093-00	1	Washer-Flat	35	115-5300	1	Proximity Switch ASM
17	3256-22	3	Washer-Flat	35:1	117-3207	2	Nut-Hex
18	321-9	1	Screw-HH	35:2	117-3208	2	Washer-Lock, Internal Tooth
19	93-2092	1	Clamp-Cable	36	115-0129	1	Rod-Pawl, Brake
20	115-0282	1	Proximity Sensor ASM	37	3272-6	2	Pin-Cotter



Pedal Assembly (continued)

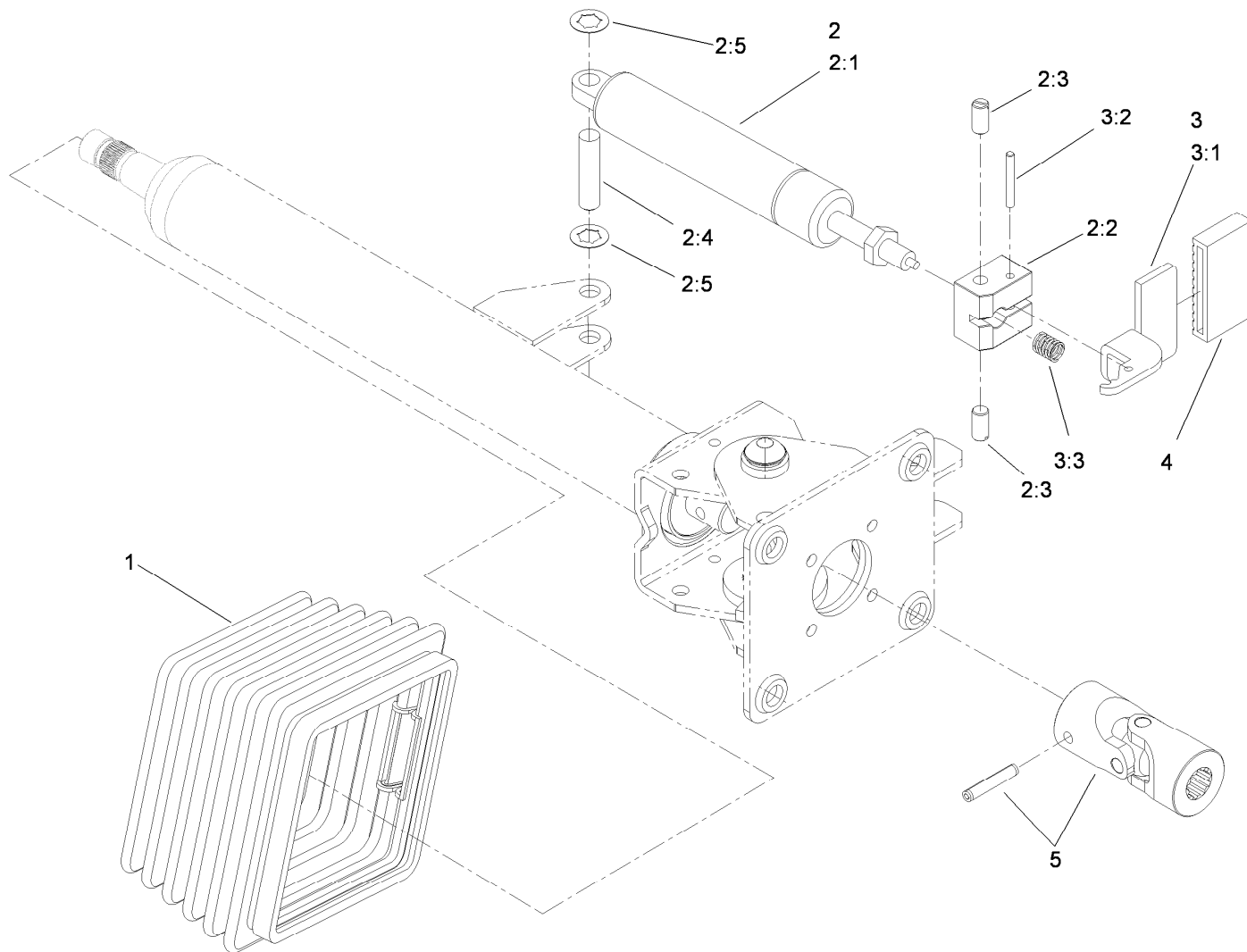
Ref.	Part Number	Qty.	Description
38	104-8301	1	Nut-HF, NI
39	99-7214	1	Pawl-Brake
40	99-7140	1	Spring-Torsion
41	52-2891	2	Bushing-Flanged, Nylon
42	323-12	1	Screw-HH
43	117-0238	1	Detent
44	5-0652	2	Spacer
45	283-14	2	Pin-Clevis

Ref.	Part Number	Qty.	Description
46	3272-10	2	Pin-Cotter
47	117-0106	1	Cable-Brake, RH
48	117-0107	1	Cable-Brake, LH
49	302-60	1	Fitting-Grease
50	115-8060	1	Clevis-Double
51	115-8059	1	Yoke-Cable
52	104-7201	1	Nut-HF, NI



Steering Assembly

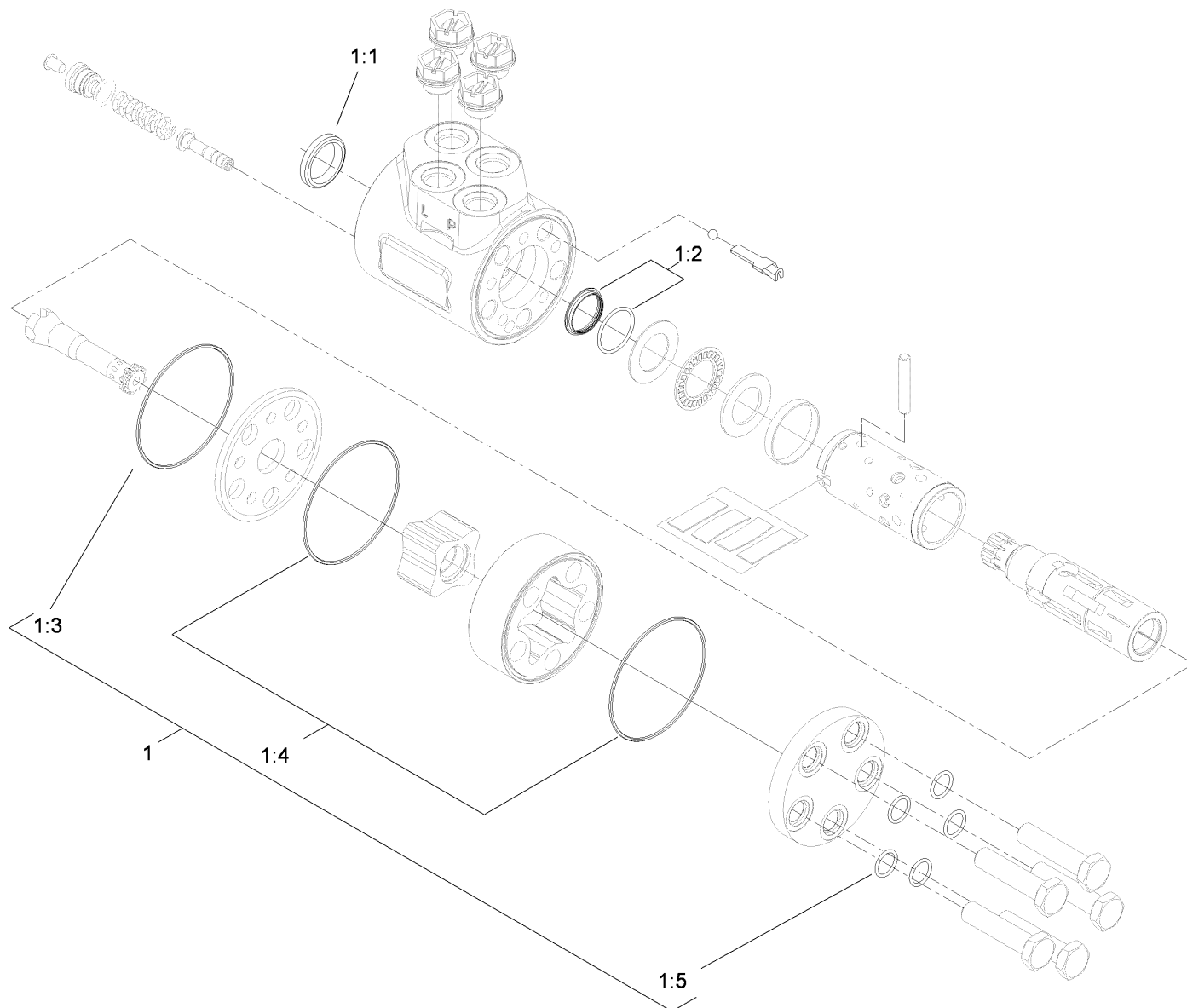
Ref.	Part Number	Qty.	Description
1	106-3622	1	Steering Tilt Column ASM
2	340-2	4	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	98-1459	1	Decal
5	105-2409	4	Screw-HSH
6	106-3621	1	Steering Valve ASM
7	3274-1	4	Screw-HSH
8	3296-33	1	Nut-Lock, NI
9	3256-27	1	Washer-Flat
10	104-8301	4	Nut-HF, NI



Steering Tilt Column Assembly No. 106-3622

Ref.	Part Number	Qty.	Description
1	110-6462	1	Bellows-Rubber
2	110-6463	1	Cylinder Service Kit
2:1		1	Cylinder-Gas ●
2:2		1	Block-Pedal ●
2:3		2	Bolt ●
2:4		1	Pin ●
2:5		2	Washer-Lock ●
3	110-6464	1	Pedal Service Kit
3:1		1	Pedal ●
3:2		1	Pin ●
3:3		1	Spring ●
4	110-6465	1	Cover-Pedal
5	120-6256	1	Universal Joint Kit

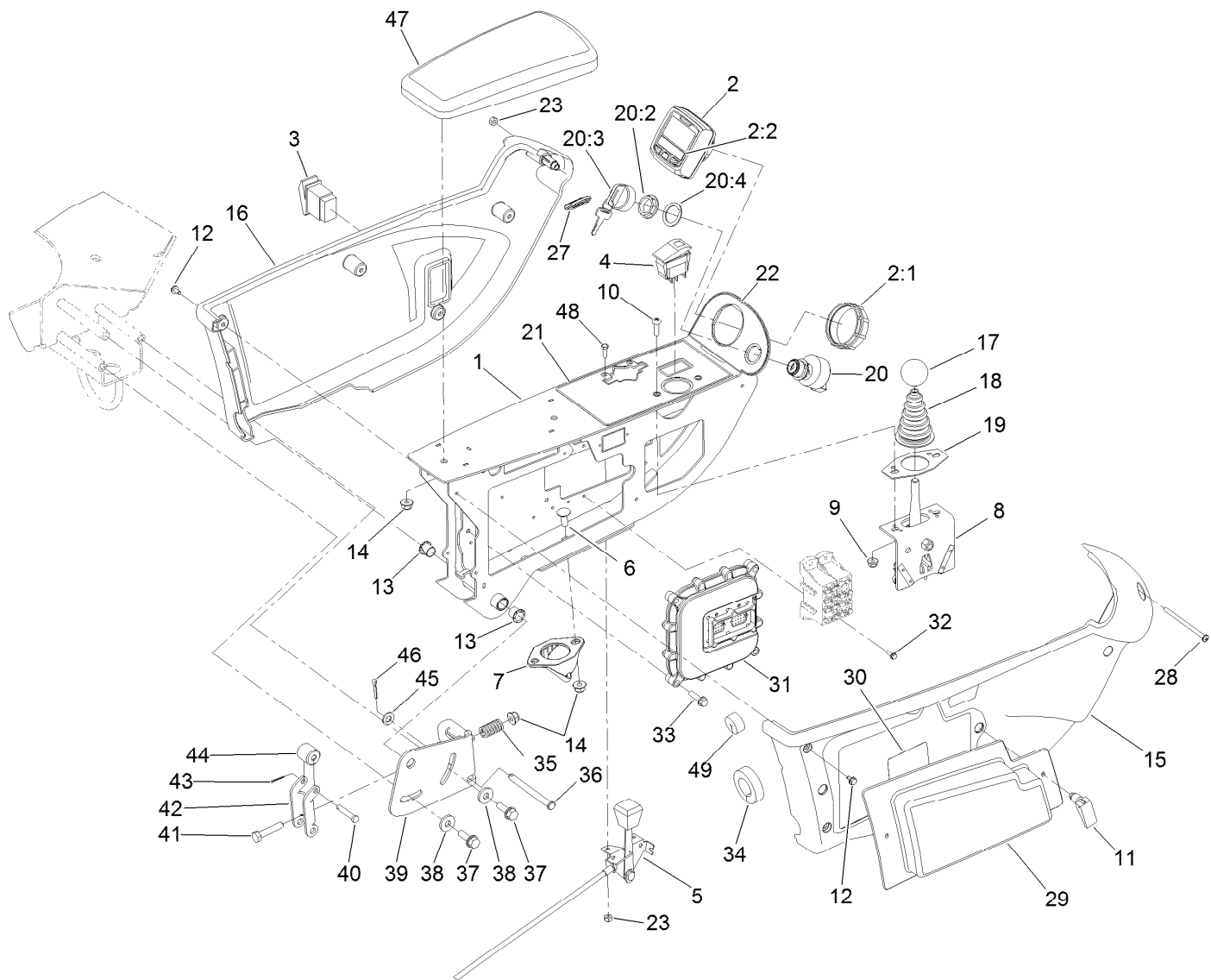
● Not serviced separately



Steering Valve Assembly No. 106-3621

Ref.	Part Number	Qty.	Description
1	106-6716	1	Seal Kit
1:1		1	Ring-Seal, Dust ●
1:2		1	Seal-Shaft ●
1:3		1	O-Ring ●
1:4		2	O-Ring ●
1:5		5	O-Ring ●

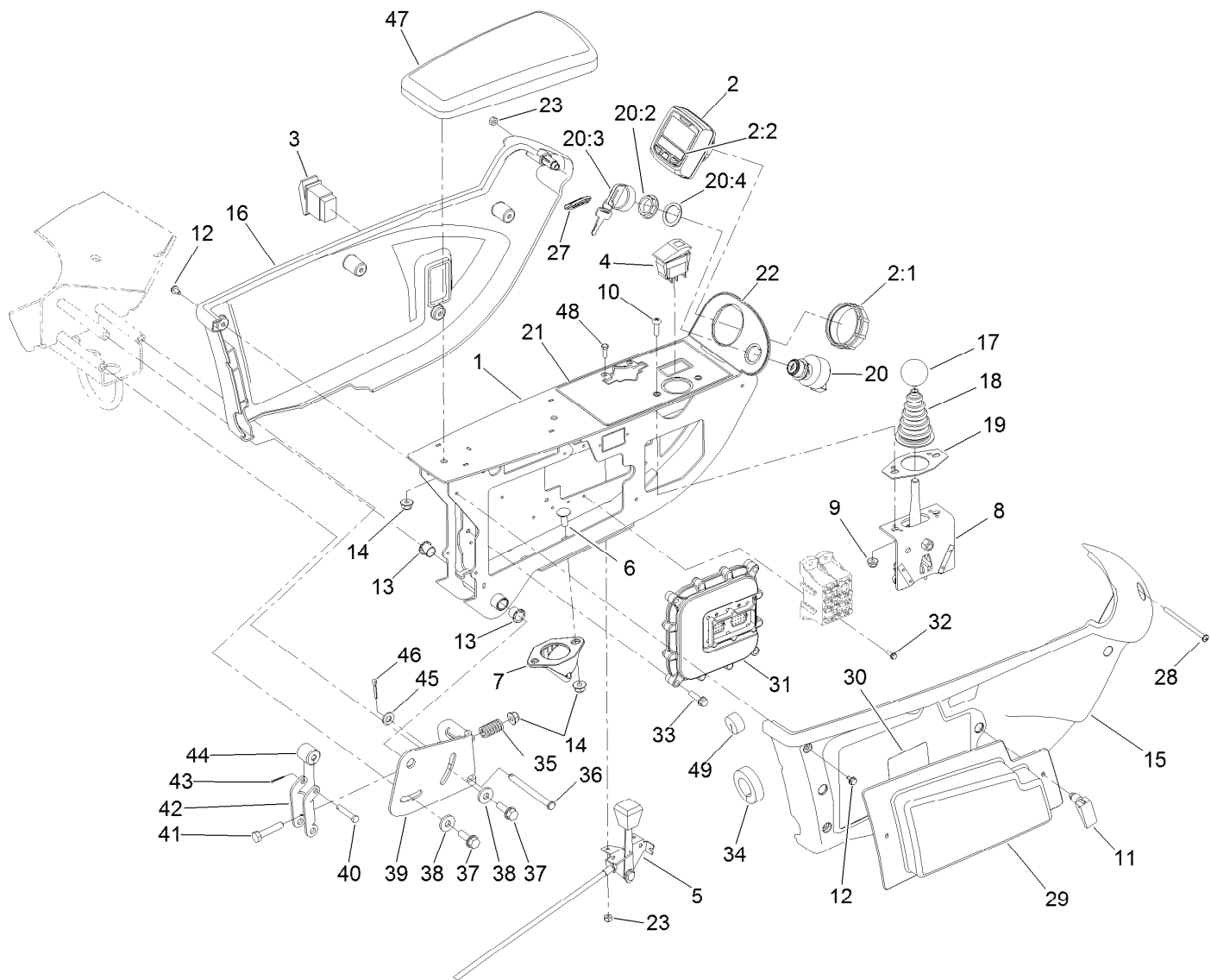
● Not serviced separately



Control Arm Assembly

Ref.	Part Number	Qty.	Description
1	120-3801-03	1	Frame-Arm, Control
2	120-6310	1	LCD Display ASM
2:1	120-4630	1	Nut-Display
2:2	120-6311	1	Decal-Display
3	95-8999	1	Switch
4	105-4232	1	Switch
5	114-8886	1	Control-Throttle
6	3230-23	2	Bolt-CARR
7	125-1938	1	Latch
8	120-5280	1	Bracket-Joystick
9	104-7201	2	Nut-HF, NI
10	3258-166	2	Screw-PRH
11	74-5950	2	Latch-Swell
12	104-2065	10	Screw-HWH
13	256-257	2	Bushing-Nyliner
14	104-8300	5	Nut-HF, NI
15	108-7605	1	Cover-RH
16	108-7604	1	Cover-LH
17	233-42	1	Knob
18	93-5961	1	Boot-Lever
19	112-9181	1	Plate-Boot

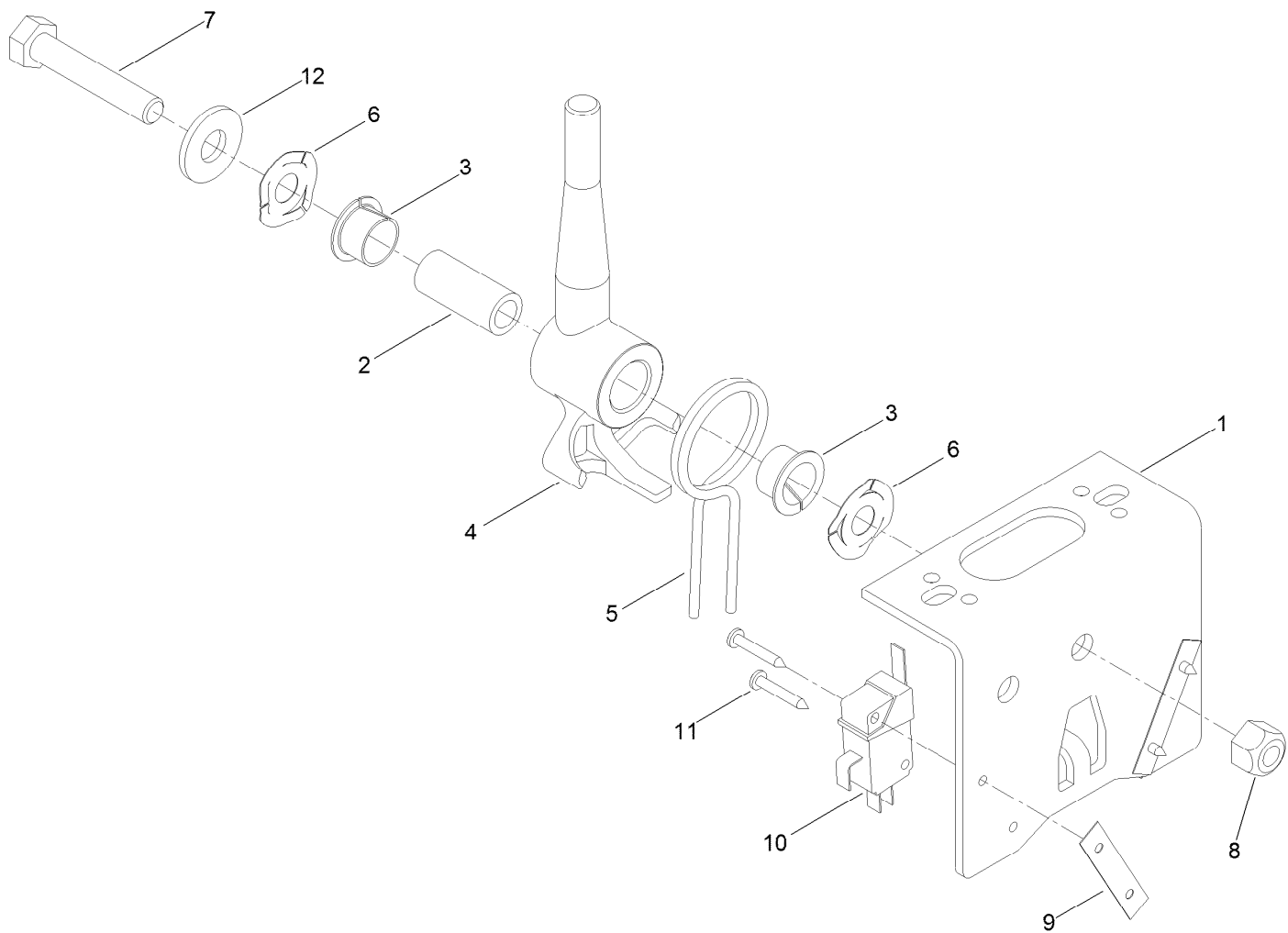
Ref.	Part Number	Qty.	Description
20	106-5269	1	Ignition Switch ASM
20:2	108-8660	1	Nut-Mounting
20:3	106-5270	1	Ignition Key Set
20:4	108-8659	1	Washer-Backup
21	121-5644	1	Decal-Control Panel
22	120-4158	1	Decal-Console, Upper
23	3296-2	3	Nut-Lock, NI
27	99-8970	1	Key-Latch, Hood
28	3250-22	1	Screw-PPH
29	114-0446	1	Panel-Access
30	117-0169	1	Decal-Fuses
31	114-3321	1	Controller-Tec
32	32144-87	4	Screw-HWHTF
33	32144-86	4	Screw-HWHTF
34	110-8912	1	Seal-Foam
35	110-5331	1	Spring-Compression
36	283-88	1	Pin-Clevis
37	3234-29	2	Screw-HHF
38	4-2390	2	Washer-Flat
39	110-5313-03	1	Bracket-Retainer
40	283-73	1	Pin-Clevis



Control Arm Assembly (continued)

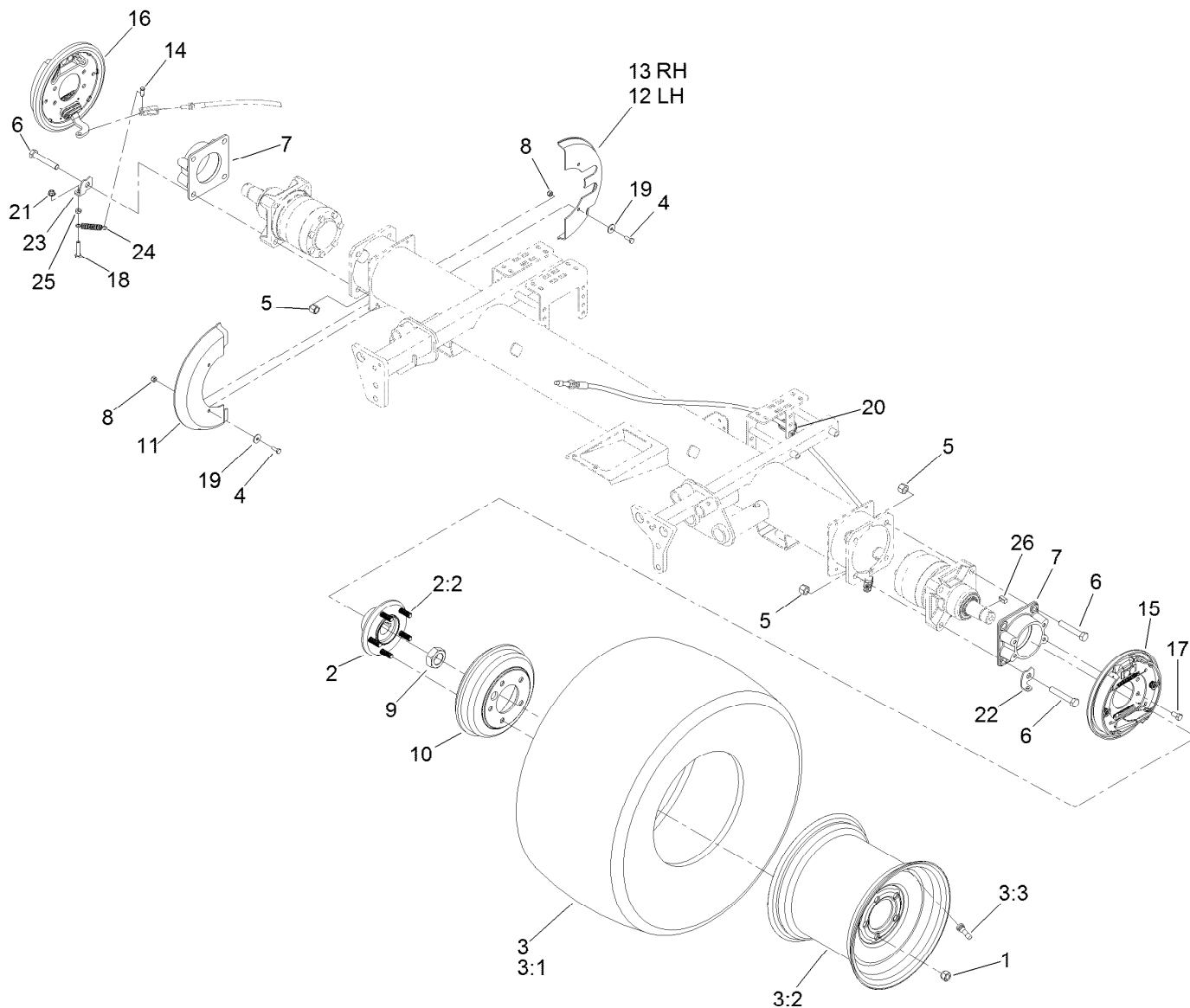
Ref.	Part Number	Qty.	Description
41	322-7	1	Screw-HH
42	110-5314	1	Latch
43	3272-1	1	Pin-Cotter
44	110-8856	1	Spacer
45	3256-23	1	Washer-Plain

Ref.	Part Number	Qty.	Description
46	3272-10	1	Pin-Cotter
47	108-7602	1	Rest-Arm
48	3290-134	2	Screw
49	110-8911	1	Seal-Foam



Joystick Bracket Assembly No. 120-5280

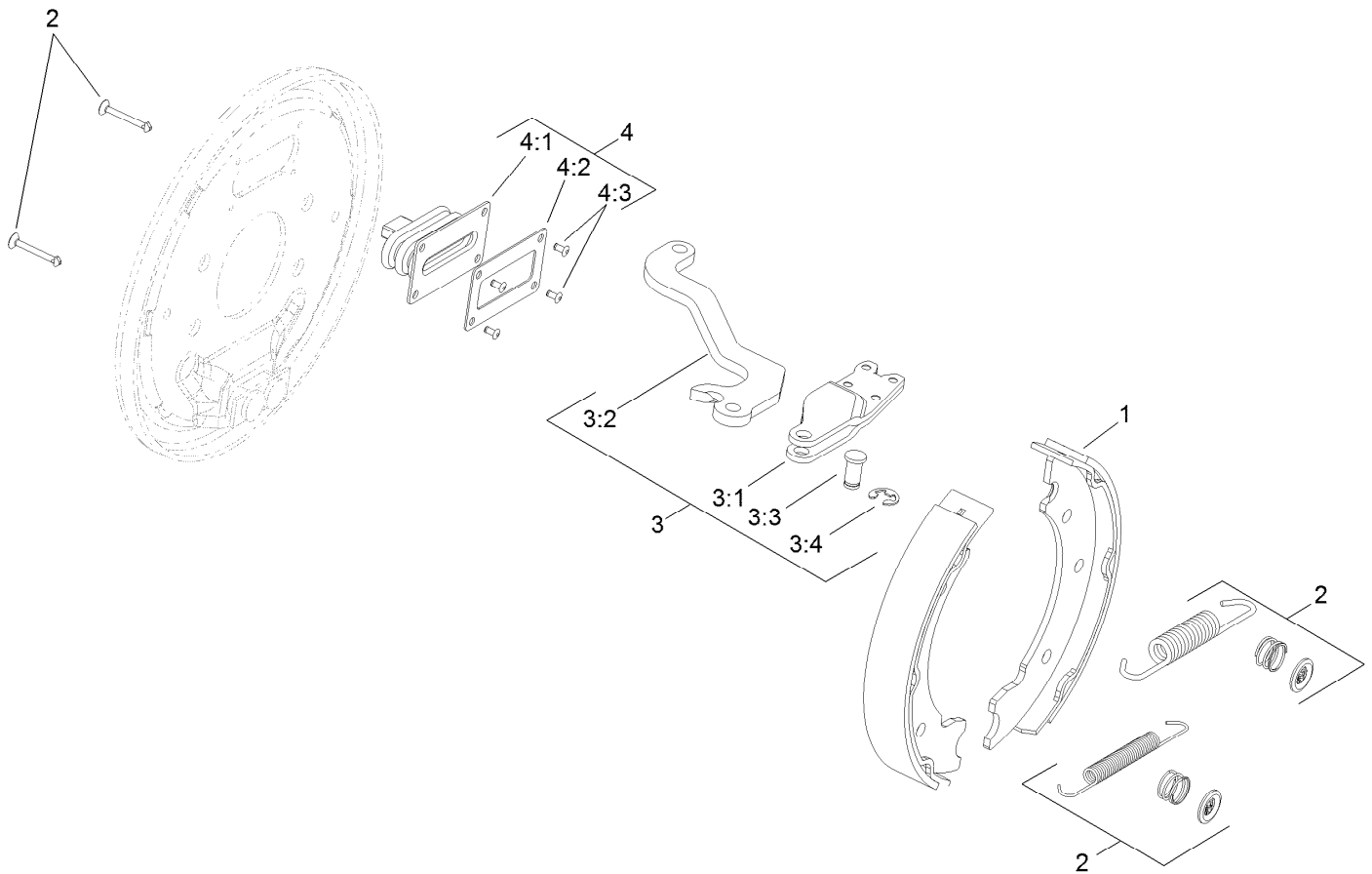
Ref.	Part Number	Qty.	Description
1	115-5357-03	1	Bracket-Joystick
2	106-4192	1	Spacer
3	93-5547	2	Bushing-Nylon
4	119-3540	1	Hub-Pivot, Joystick
5	105-8289	1	Spring-Torsion
6	106-4193	2	Washer-Finger, Spring
7	322-9	1	Screw-HH
8	3296-29	1	Nut-Lock, NI
9	3290-354	2	Nut-Speed
10	108-6496	2	Switch (W/Boot)
11	95-3003	4	Screw-PPHTF
12	3256-3	1	Washer-Flat



Front Axle Assembly

Ref.	Part Number	Qty.	Description
1	242-50	10	Nut-Lug
2	121-5631	2	Hub ASM
2:2	114-3918	5	Stud-Wheel
3	117-5194	2	Tire ASM
3:1	117-5196	1	Tire
3:2	117-5197	1	Wheel
3:3	232-27	1	Stem-Valve
4	321-4	8	Screw-HH
5	3296-23	8	Nut-Lock, NI
6	325-12	8	Screw-HH
7	120-6253-03	2	Adapter-Brake
8	3296-42	8	Nut-Lock, NI
9	117-3290	2	Nut-Hex
10	114-8864	2	Drum-Brake
11	110-0950	2	Shield-Wheel, Front

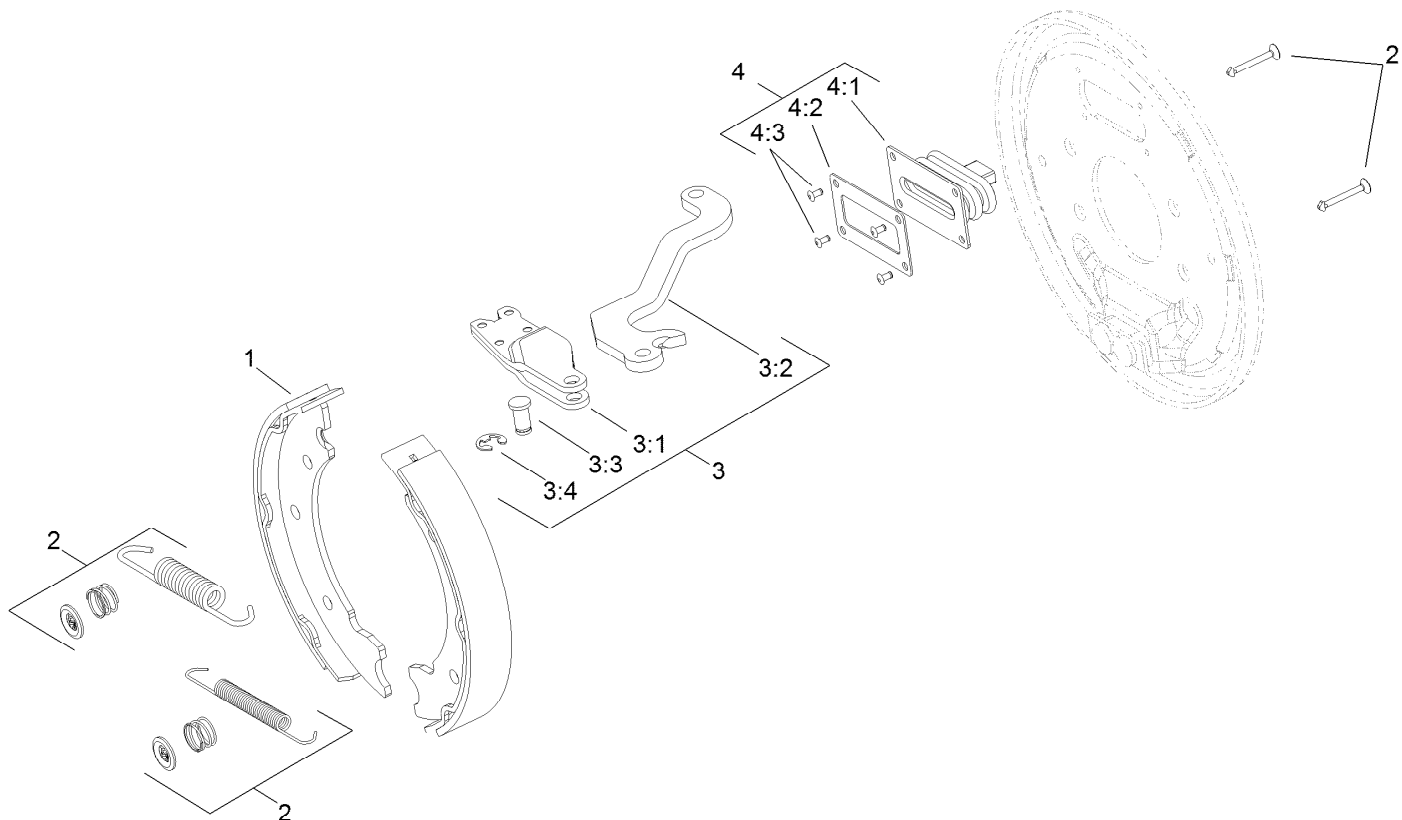
Ref.	Part Number	Qty.	Description
12	110-0951	1	Shield-Wheel, Rear (LH)
13	110-8878	1	Shield-Wheel, Rear (RH)
14	283-62	2	Pin-Clevis
15	120-6261	1	LH Brake ASM
16	120-6260	1	RH Brake ASM
17	323-4	8	Screw-HH
18	322-7	2	Screw-HH
19	3256-67	8	Washer
20	3290-378	2	Tie-Cable
21	104-8300	2	Nut-HF, NI
22	120-6267	1	Clip-Spring, LH
23	120-6266	1	Clip-Spring, RH
24	87-4020	2	Spring-Extension
25	3218-2	2	Nut-Hex Jam
26	117-5198	2	Key-Square



LH Brake Assembly No. 120-6261

Ref.	Part Number	Qty.	Description
1	108-6981	1	Brake Shoe Kit
2	108-6983	1	Brake Hardware Kit
3	110-8910	1	LH Actuator Kit
3:1		1	Housing ●
3:2		1	Lever-LH ●
3:3		1	Pin-Pivot ●
3:4		1	E-Ring ●
4	110-8885	1	Dust Boot Kit
4:1		1	Boot ●
4:2		1	Plate-Back Up ●
4:3		2	Rivet ●

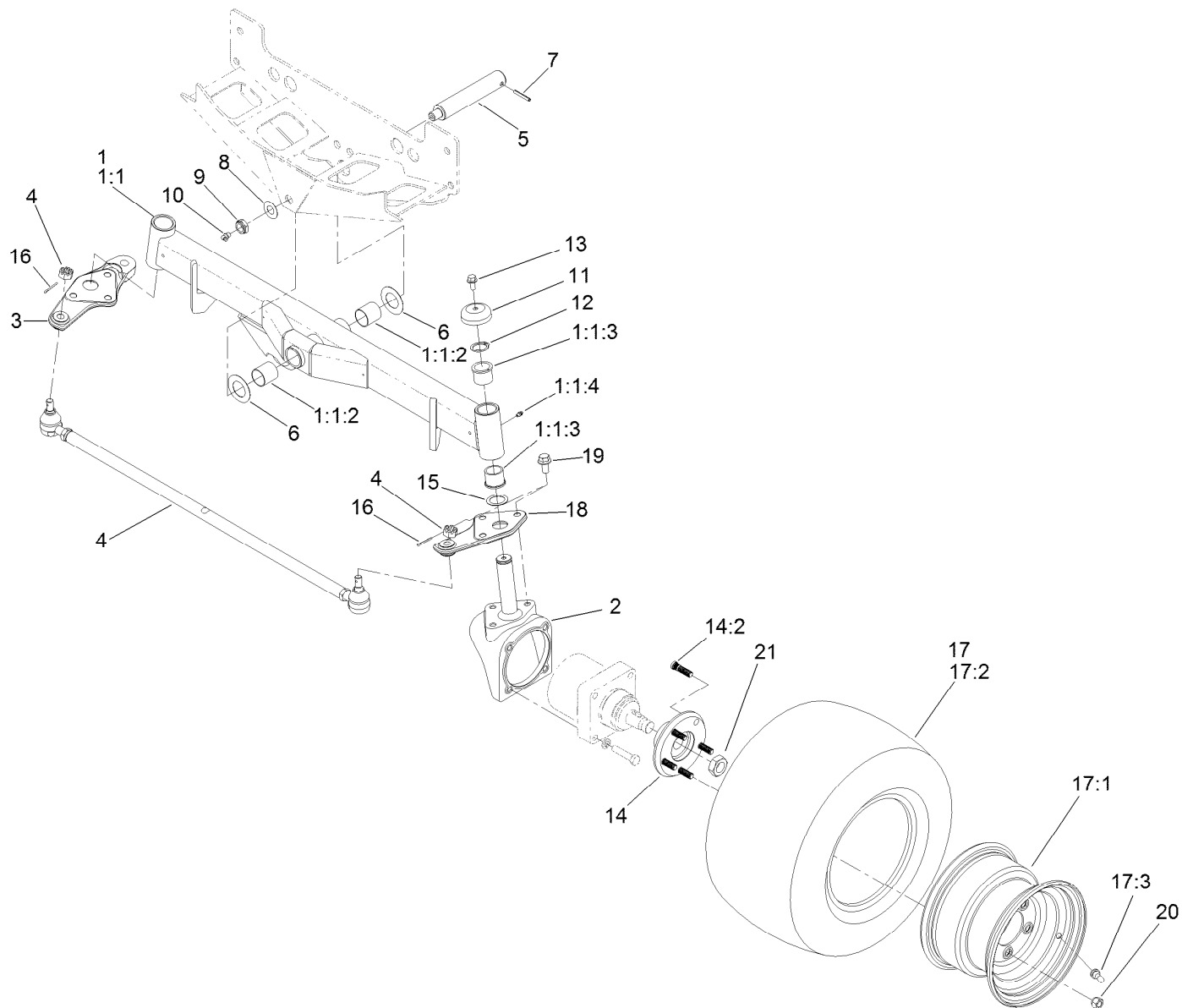
● Not serviced separately



RH Brake Assembly No. 120-6260

Ref.	Part Number	Qty.	Description
1	108-6981	1	Brake Shoe Kit
2	108-6983	1	Brake Hardware Kit
3	110-8884	1	RH Actuator Kit
3:1		1	Housing ●
3:2		1	Lever-RH ●
3:3		1	Pin-Pivot ●
3:4		1	E-Ring ●
4	110-8885	1	Dust Boot Kit
4:1		1	Boot ●
4:2		1	Plate-Back Up ●
4:3		2	Rivet ●

● Not serviced separately

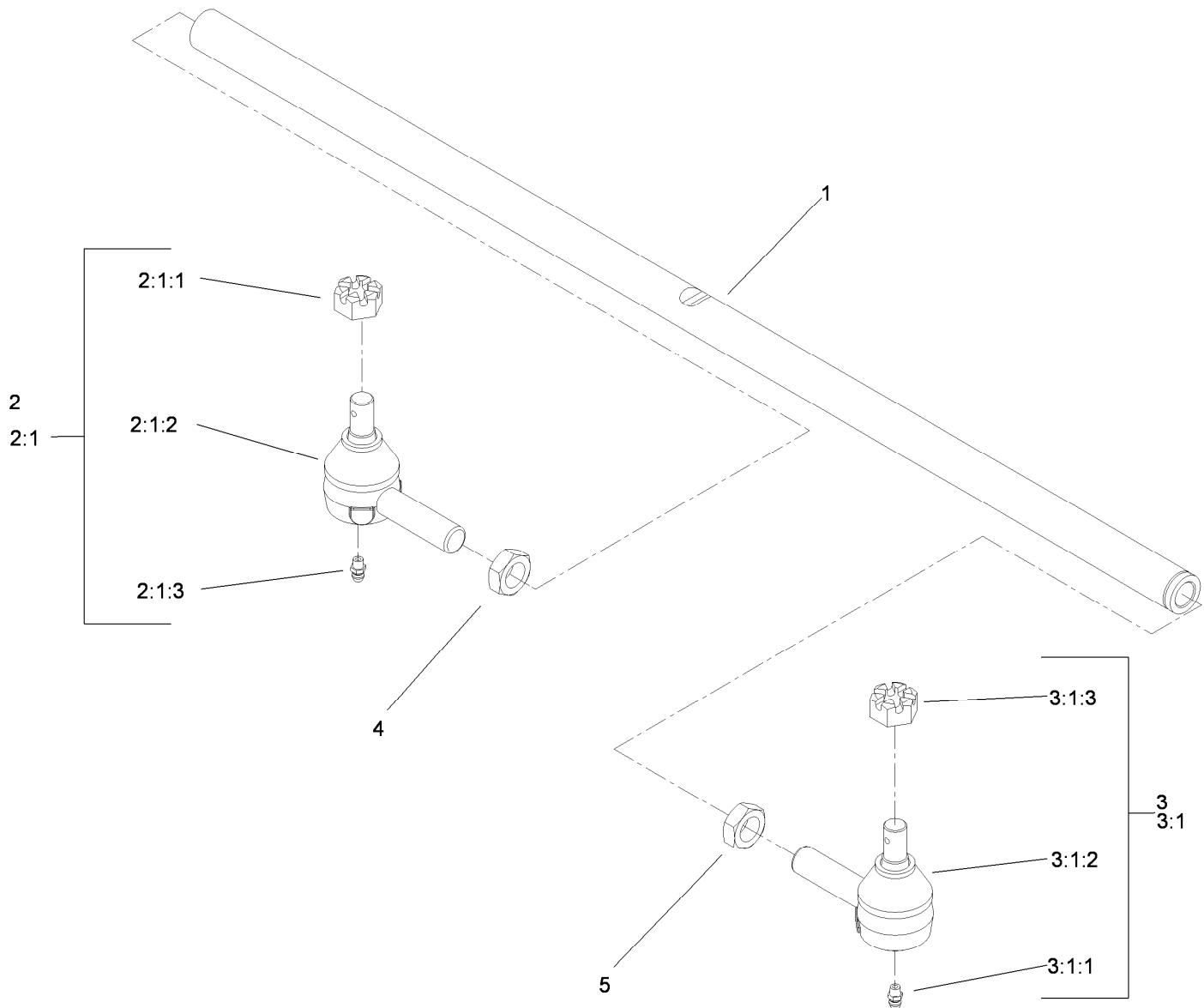


Rear Axle Assembly

Ref.	Part Number	Qty.	Description
1	117-0256-03	1	Axle ASM
1:1		1	Axle ●
1:1:2	99-6964	2	Bushing-Axle
1:1:3	104-0015	4	Bushing-Flange
1:1:4	302-5	2	Fitting-Grease
2	107-4517-03	2	Housing-Motor
3	110-5295-03	1	Link-Drag, RH
4	110-5334-03	1	Tie Rod ASM
5	98-8173	1	Pin-Pivot, Axle
6	99-8432	2	Washer-Thrust
7	32121-32	1	Pin-Roll
8	71-4540	1	Washer-Thrust
9	3296-15	1	Nut-Lock, NI
10	302-33	1	Fitting-Grease
11	69-8890	2	Cap-Spindle

Ref.	Part Number	Qty.	Description
12	32151-77	2	Ring-Retaining, External
13	3234-1	2	Screw-HHF
14	121-5633	2	Hub ASM
14:2	114-3918	5	Stud-Wheel
15	76-2980	2	Washer-Thrust
16	3272-12	2	Pin-Cotter
17	117-0281	2	Rim And Tire ASM
17:1	117-0280	1	Rim
17:2	117-5125	1	Tire
17:3	232-27	1	Stem-Valve
18	110-5297-03	1	Link-Drag, LH
19	3234-6	6	Screw-HHF
20	242-50	10	Nut-Lug
21	26-3790	2	Nut-Lock

● Not serviced separately

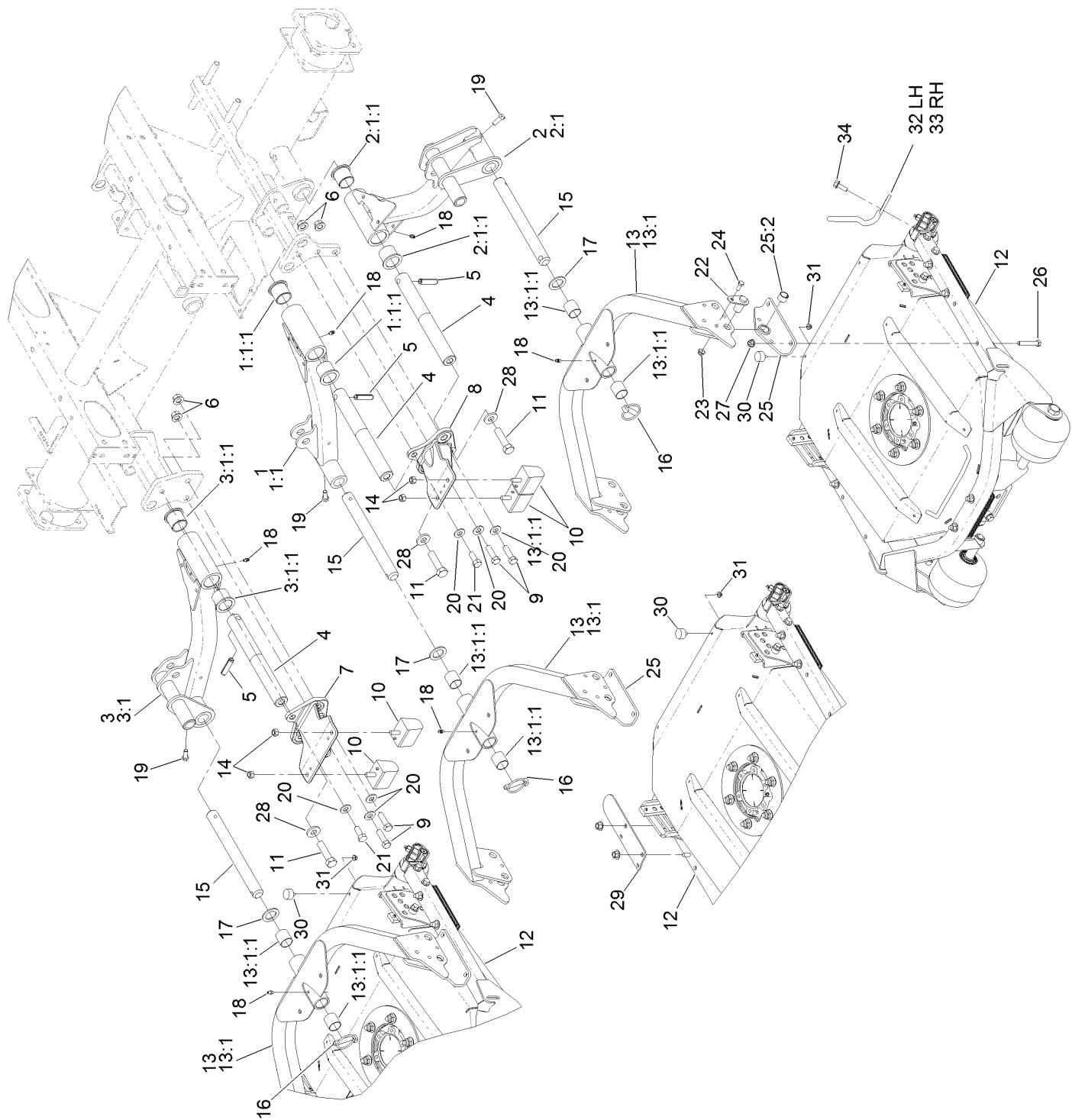


Tie Rod Assembly No. 110-5334-03

Ref.	Part Number	Qty.	Description
1	110-5335	1	Rod-Tie
2	71-4740-03	1	RH Tie Rod End ASM
2:1		1	End-Rod, Tie (RH) ●
2:1:1	105-7941	1	Nut-Hex, Slotted
2:1:2	105-7835	1	Seal
2:1:3	302-5	1	Fitting-Grease
3	2411-46-03	1	LH Tie Rod ASM
3:1		1	End-Rod, Tie (LH) ●
3:1:1	302-5	1	Fitting-Grease
3:1:2	105-7835	1	Seal
3:1:3	105-7941	1	Nut-Hex, Slotted
4	84-5300	1	Nut-Jam
5	110-5337	1	Nut-Jam

● Not serviced separately

No. 1, 4 and 5 Lift Arm and Deck Assembly

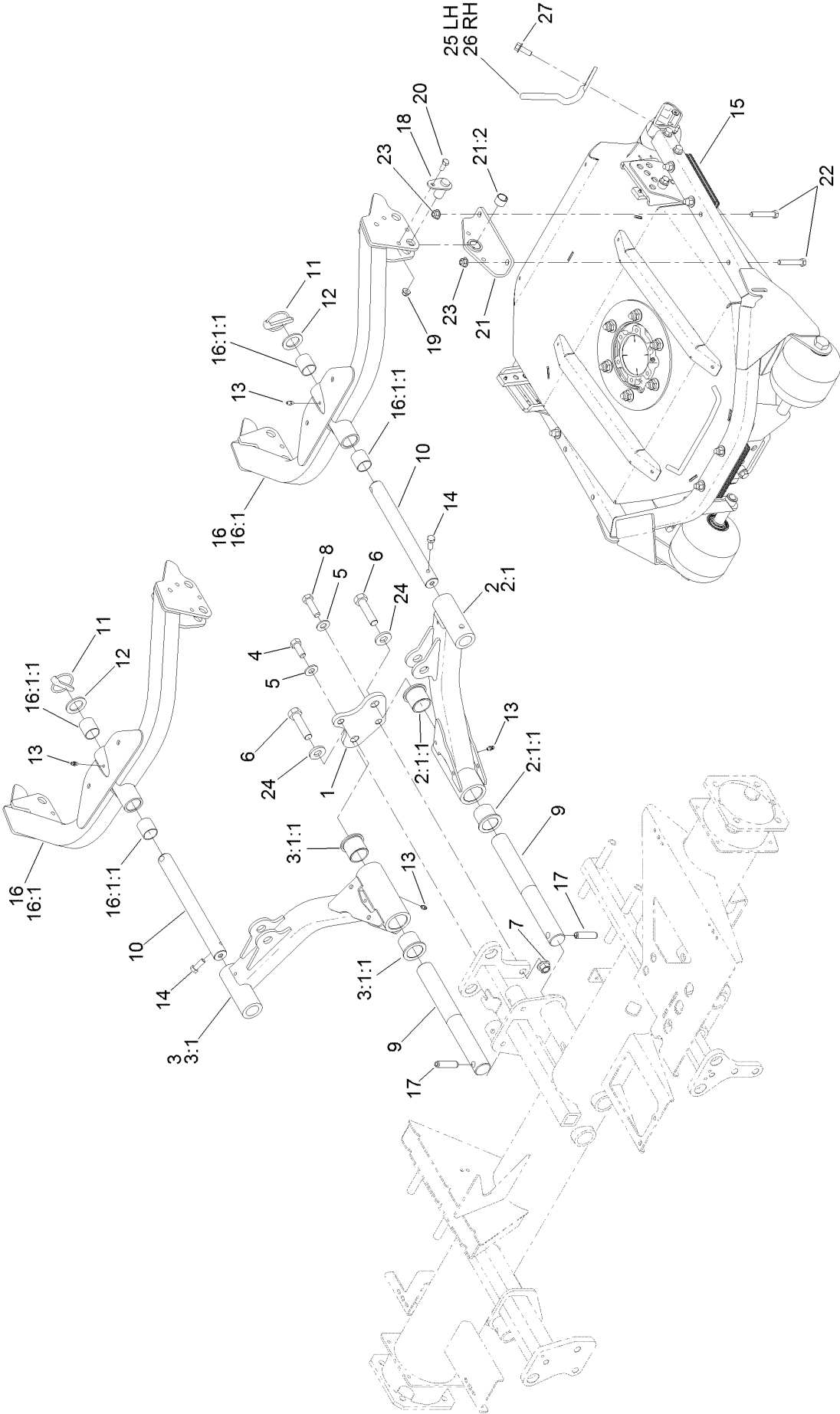


No. 1, 4 and 5 Lift Arm and Deck Assembly (continued)

<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>
1	114-0381-03	1	Arm No. 1 ASM	14	33025-00	4	Nut-Lock, NI
1:1		1	Arm ●	15	105-7560	3	Shaft-Cu Pivot
1:1:1	69-6470	2	Bushing-Caster	16	283-71	3	Pin-Lynch
2	114-0384-03	1	Arm No. 4 ASM	17	3-6781	3	Washer-Thrust
2:1		1	Arm ●	18	302-5	6	Fitting-Grease
2:1:1	69-6470	2	Bushing-Caster	19	323-6	3	Screw-HH
3	114-0385-03	1	Arm No. 5 ASM	20	87-7270	6	Washer-Thrust
3:1		1	Arm ●	21	325-5	2	Screw-HH
3:1:1	69-6470	2	Bushing-Caster	22	117-0132	6	Pin
4	117-0208	3	Shaft-Pivot, Liftarm	23	104-8300	6	Nut-HF, NI
5	32121-122	3	Pin-Roll	24	322-3	6	Screw-HH
6	99-5107	4	Nut-Lock	25	117-0118	6	Pivot ASM
7	117-0250-03	1	Tippe-RH	25:2	108-8482	1	Bushing-Sleeve
8	117-0252-03	1	Tipper-LH	26	323-11	12	Screw-HH
9	325-7	4	Screw-HH	27	104-8301	12	Nut-HF, NI
10	87-3470	4	Bumper	28	99-7667	3	Washer-Flat
11	327-7	3	Screw-HH	29	105-9831-03	1	Bracket-Bumper, No. 1
12	30845	3	22 Inch Contour Plus Deck ASM	30	240-14	3	Bumper-Rubber
13	108-7384-03	3	Carrier Frame ASM	31	104-7201	3	Nut-HF, NI
13:1		1	Frame-Carrier ●	32	127-2613-03	1	Guard-Foot, LH
13:1:1	108-4000	2	Bushing	33	127-2614-03	1	Guard-Foot, RH
				34	3234-11	2	Screw-HHF

● Not serviced separately

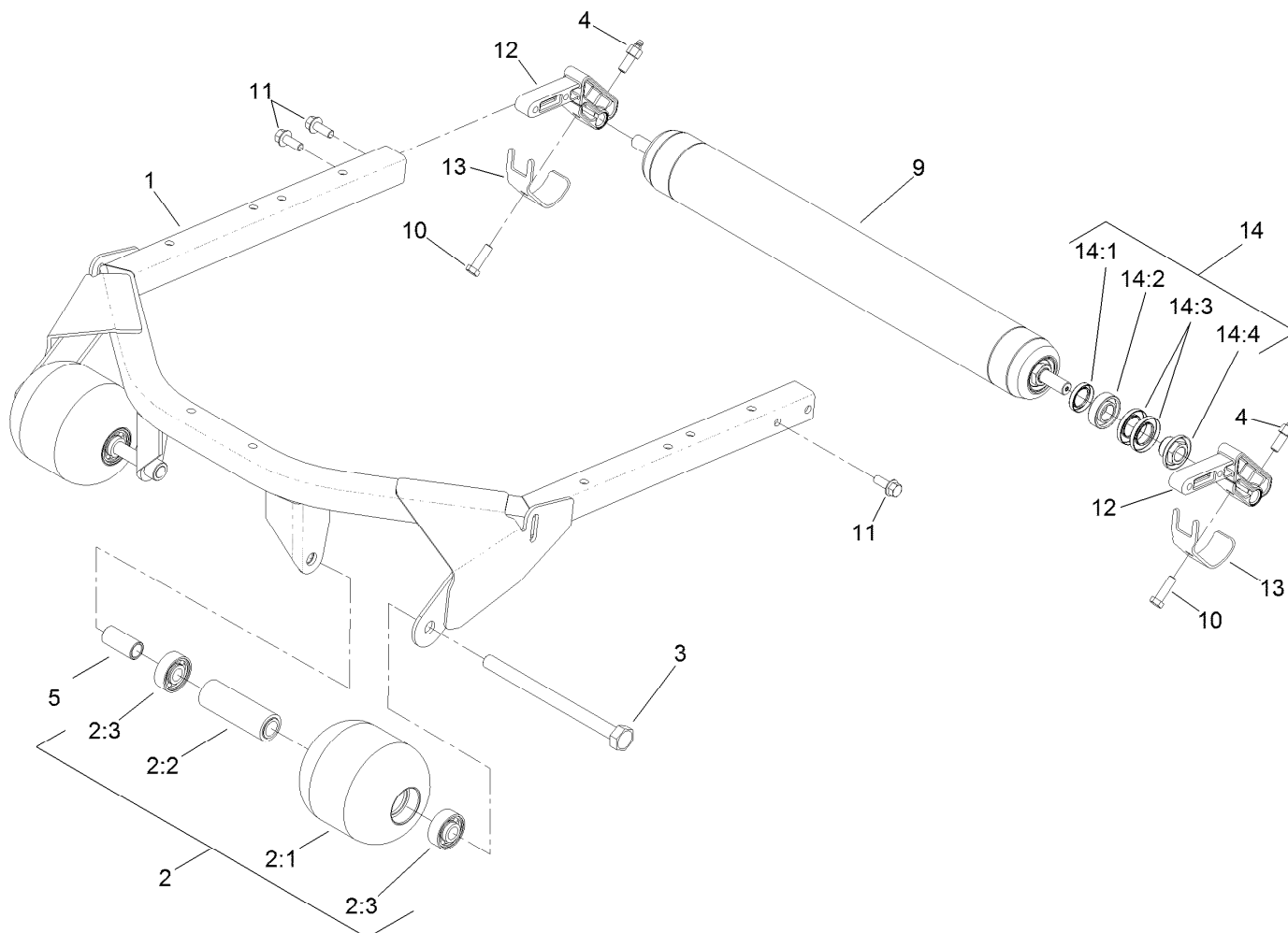
No. 2 and 3 Lift Arm and Deck Assembly



No. 2 and 3 Lift Arm and Deck 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>
1	114-0352-01	1	Plate-Bridge, No. 2 And 3	15	30845	2	22 Inch Contour Plus Deck
2	114-0382-03	1	Arm No. 2 ASM				ASM
2:1		1	Arm ●	16	108-7384-03	2	Carrier Frame ASM
2:1:1	69-6470	2	Bushing-Caster	16:1		1	Frame-Carrier ●
3	114-0383-03	1	Arm No. 3 ASM	16:1:1	108-4000	2	Bushing
3:1		1	Arm ●	17	32121-122	2	Pin-Roll
3:1:1	69-6470	2	Bushing-Caster	18	117-0132	4	Pin
4	325-5	1	Screw-HH	19	104-8300	4	Nut-HF, NI
5	87-7270	2	Washer-Thrust	20	322-3	4	Screw-HH
6	327-7	2	Screw-HH	21	117-0118	4	Pivot ASM
7	99-5107	1	Nut-Lock	21:2	108-8482	1	Bushing-Sleeve
8	325-7	1	Screw-HH	22	323-11	8	Screw-HH
9	117-0208	2	Shaft-Pivot, Liftarm	23	104-8301	8	Nut-HF, NI
10	105-7560	2	Shaft-Cu Pivot	24	99-7667	2	Washer-Flat
11	283-71	2	Pin-Lynch	25	127-2613-03	1	Guard-Foot, LH
12	3-6781	2	Washer-Thrust	26	127-2614-03	1	Guard-Foot, RH
13	302-5	4	Fitting-Grease	27	3234-11	2	Screw-HHF
14	323-6	2	Screw-HH				

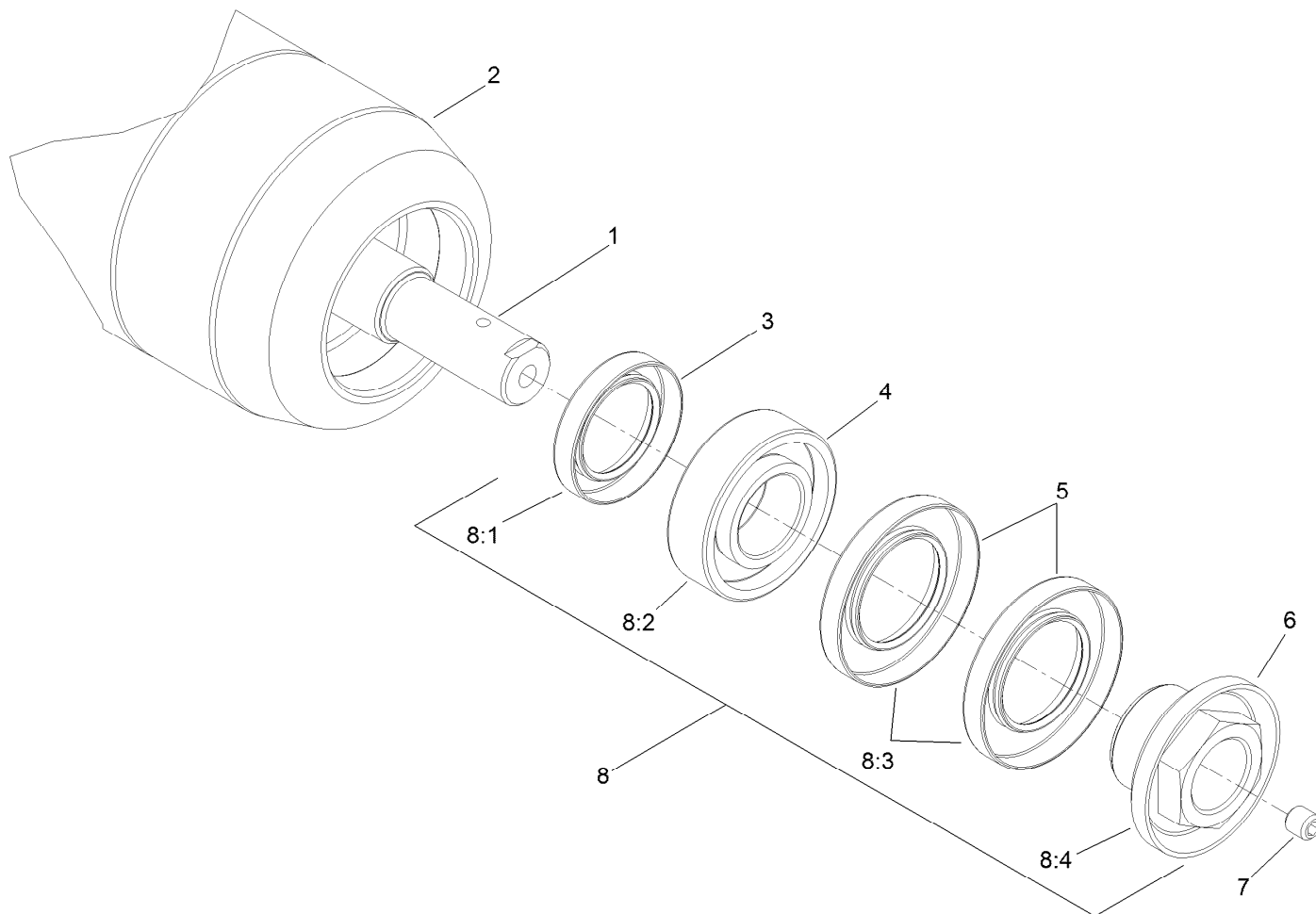
● Not serviced separately



Roller and Carrier Frame Assembly

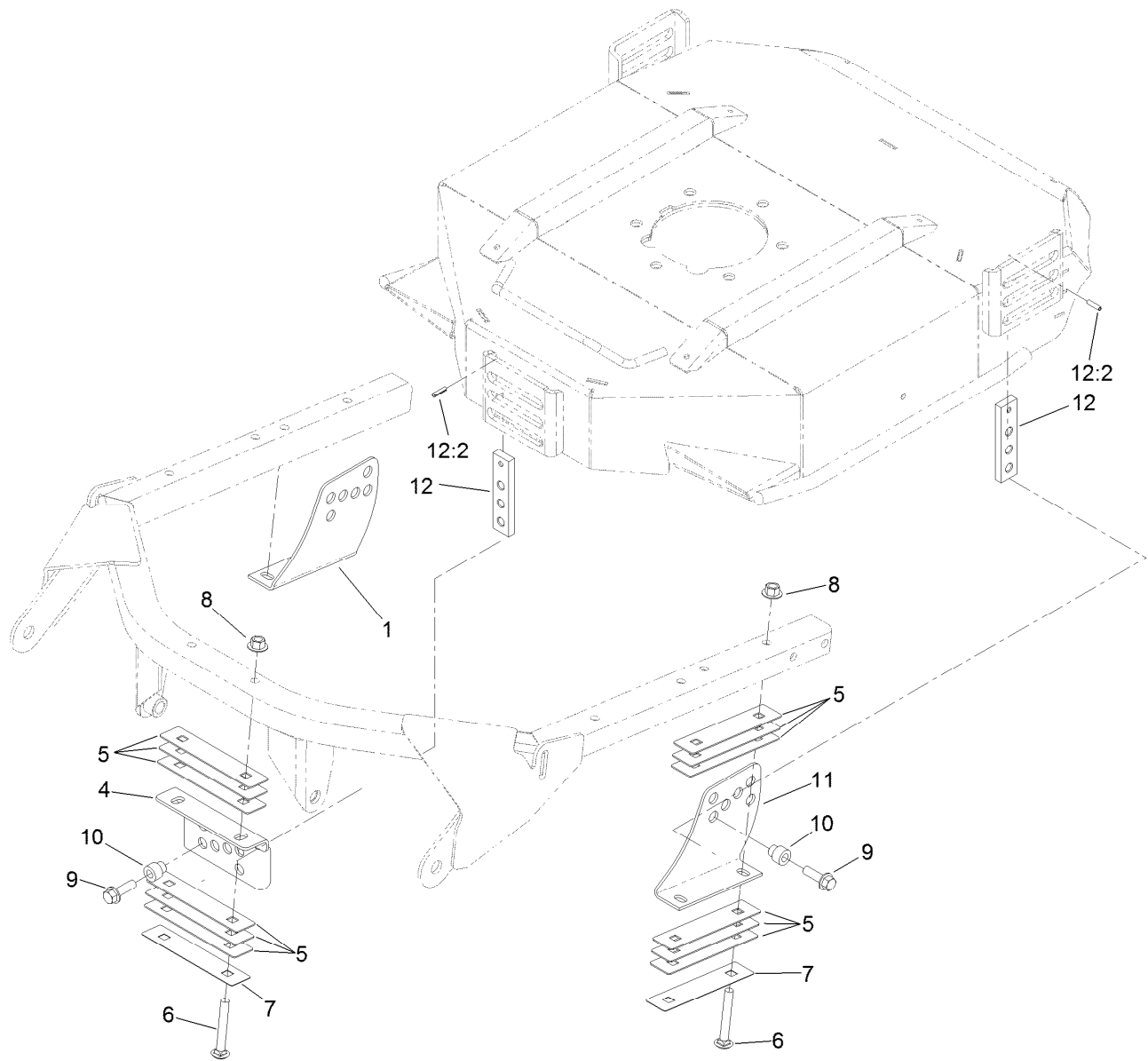
Ref.	Part Number	Qty.	Description
1	114-0440-03	1	Support-Deck
2	115-3418	2	Roller ASM
2:1	104-1093	1	Roller
2:2	100-5762	1	Spacer-Bearing
2:3	120-3366	2	Bearing
3	117-0172	2	Screw-HH
4	127-6422	2	Screw-Grease, Roller
5	114-0430	2	Tube-Seg, Roller
9	108-7387	1	Roller ASM

Ref.	Part Number	Qty.	Description
10	323-7	2	Screw-HH
11	3234-11	4	Screw-HHF
12	112-5268	2	Mount-Roller
13	107-7816	2	Bracket-Skid
14	114-5430	1	Roller Rebuild Kit
14:1	114-3717	2	Seal-Oil
14:2	112-5290	2	Bearing-Steel, Stainless
14:3	112-7494	4	Seal
14:4	114-5411	2	Nut-Lock, Bearing



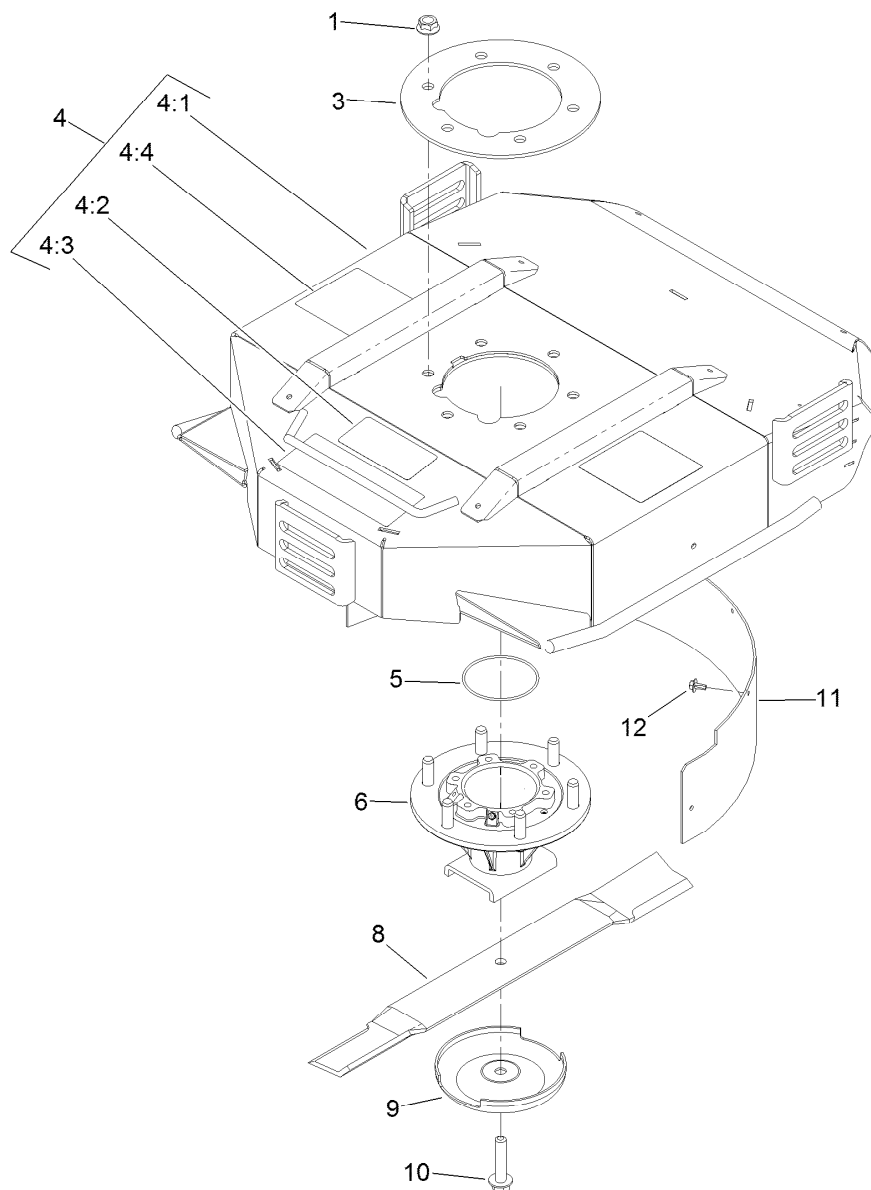
Roller Assembly No. 108-7387

Ref.	Part Number	Qty.	Description
1	108-7388	1	Shaft-Roller
2	108-7389-03	1	Roller Tube ASM
3	114-3717	2	Seal-Oil
4	112-5290	2	Bearing-Steel, Stainless
5	112-7494	4	Seal
6	114-3745	2	Nut-Lock, Bearing
7	108-0989	2	Screw-Set
8	114-5430	1	Roller Rebuild Kit
8:1	114-3717	2	Seal-Oil
8:2	112-5290	2	Bearing-Steel, Stainless
8:3	112-7494	4	Seal
8:4	114-5411	2	Nut-Lock, Bearing



Height-of-Cut Assembly

Ref.	Part Number	Qty.	Description
1	108-7391-03	1	Bracket-HOC, RH
4	104-1052-03	1	Bracket-HOC, Front
5	100-5799	18	Shim-HOC, .060 Inch
6	3231-9	6	Screw-CARR
7	104-4641	3	Shim-HOC, .030 Inch
8	32128-43	6	Nut-Flange
9	3234-24	3	Screw-HHF
10	121-3575	3	Spacer-HOC
11	108-7392-03	1	Bracket-HOC,LH
12	105-9225	3	HOC Plate ASM
12:2	32121-3	1	Pin-Spring

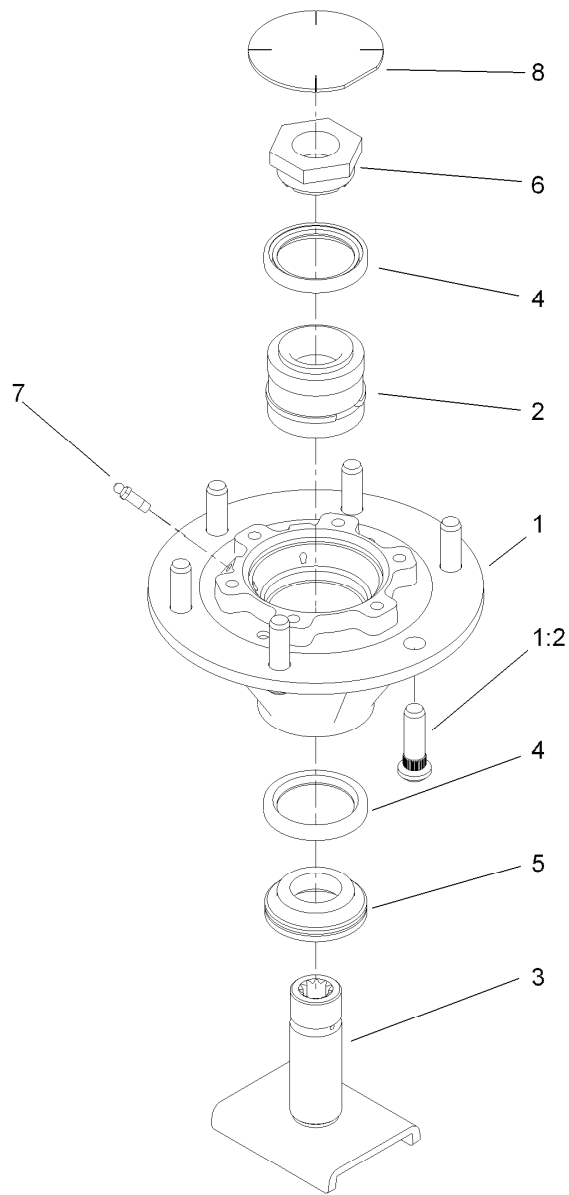


Spindle, Blade and Chamber Assembly

Ref.	Part Number	Qty.	Description
1	32128-39	6	Nut-HHF
3	104-1051-03	1	Plate-Spindle
4	108-7373	1	Chamber ASM
4:1		1	Chamber ●
4:2	93-7818	1	Decal-Torque, Blade Bolt
4:3	104-1086	1	Decal-HOC
4:4	117-4764	2	Decal-Danger
5	237-161	1	O-Ring
6	115-3435	1	Spindle ASM

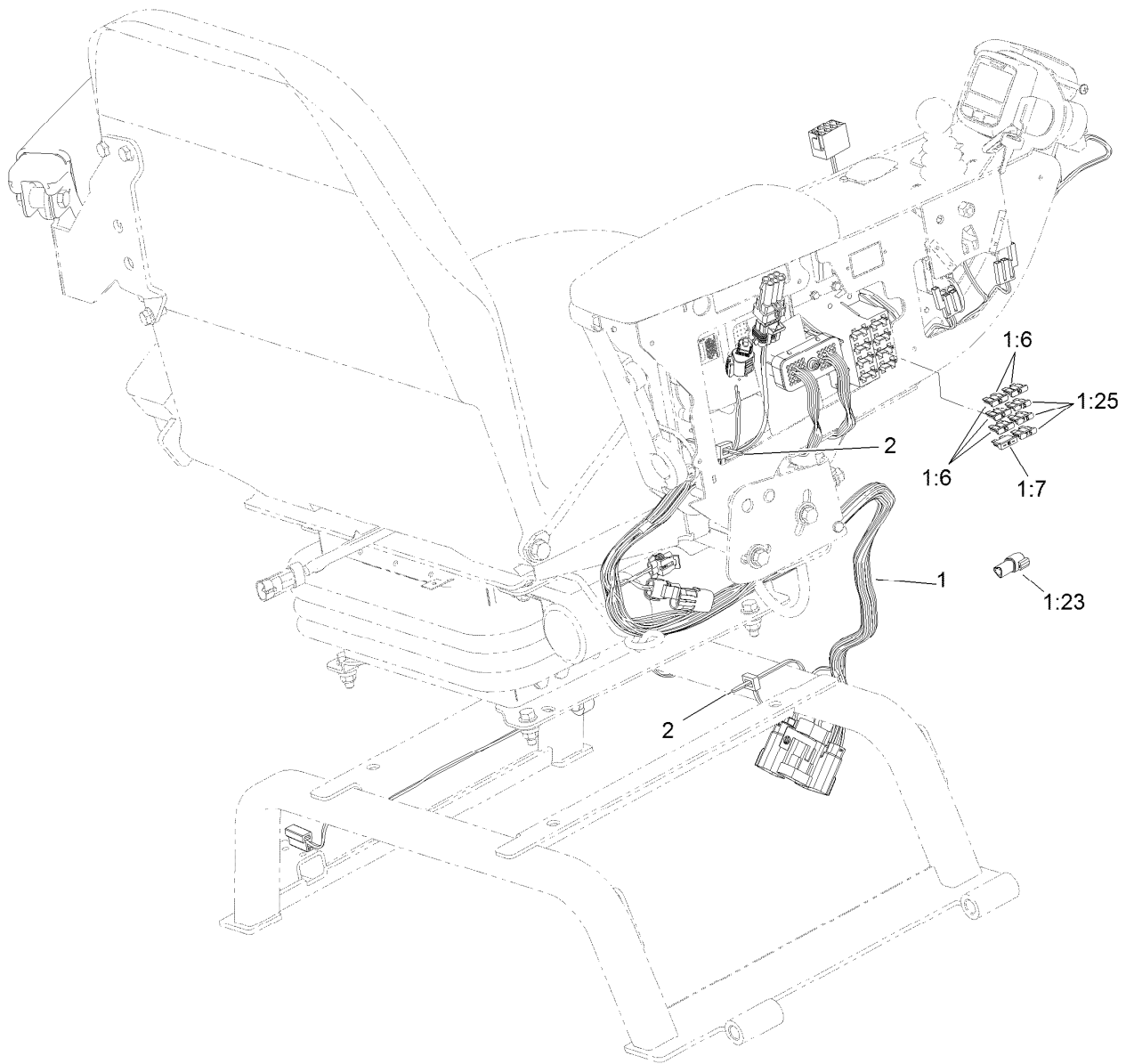
Ref.	Part Number	Qty.	Description
8	108-7395-03	1	Blade-Combo, 22In
8	114-0434-03	1	Blade-High Lift, 22In
8	114-0435-03	1	Blade-Atomic, 22In
8	117-0209-03	1	Blade-Angle Sail, 22In
9	72-9361	1	Cup-Scalp, Anti
10	92-5816	1	Bolt-Blade
11	108-7409-01	1	Baffle-Mulching
12	46-8560	5	Screw-HHFTF

● Not serviced separately



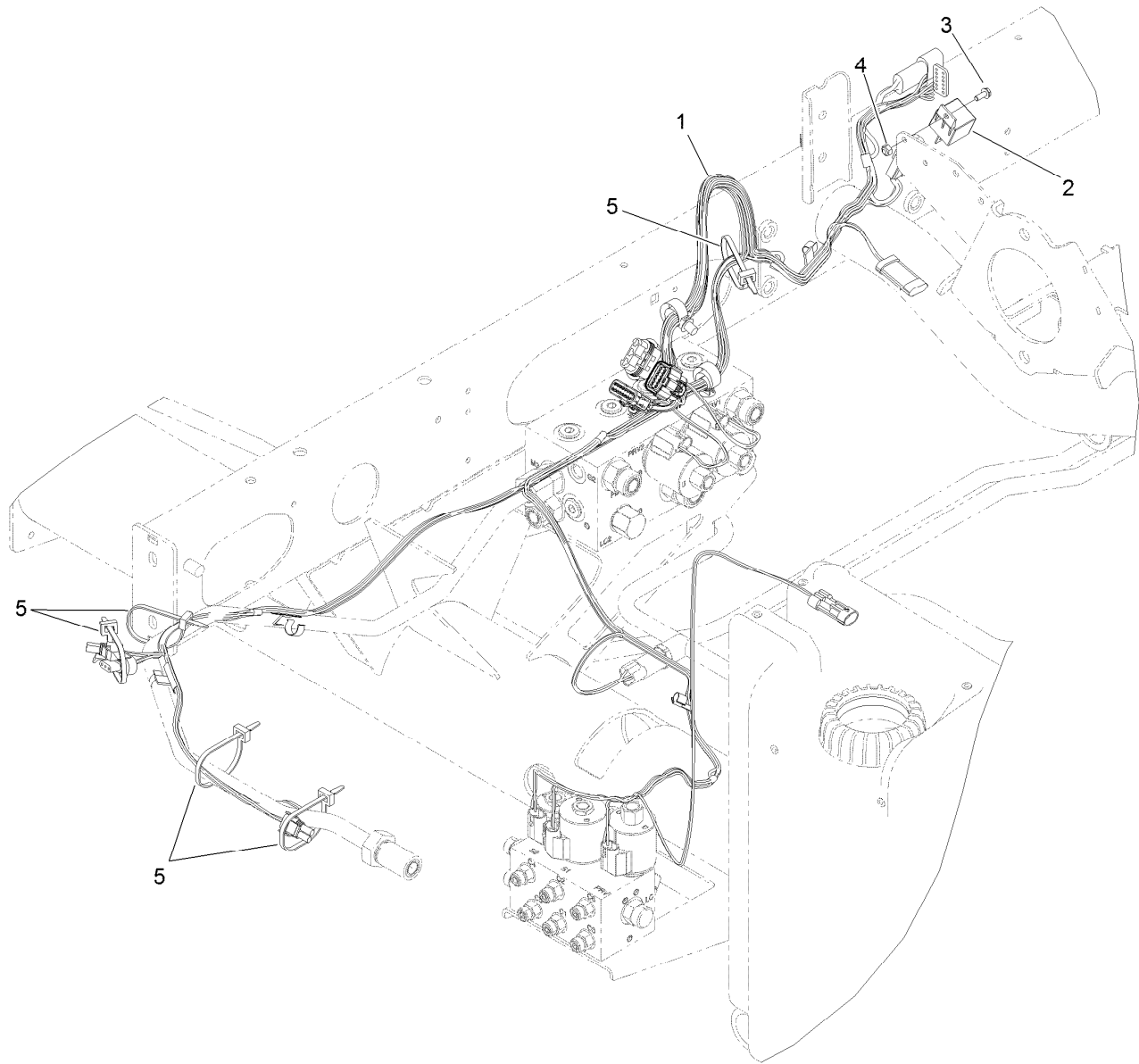
Spindle Assembly No. 115-3435

Ref.	Part Number	Qty.	Description
1	115-3434	1	Spindle
1:2	10-6830	6	Stud-Type, Drive
2	100-5703	1	Spacer And Bearing ASM
3	100-5705	1	Spindle Shaft ASM
4	253-154	2	Seal-Oil
5	69-6950	1	Spacer-Shaft, Spindle
6	100-5709	1	Nut-Spindle, Spcl
7	302-62	2	Fitting-Grease
8	94-2703	1	Plug



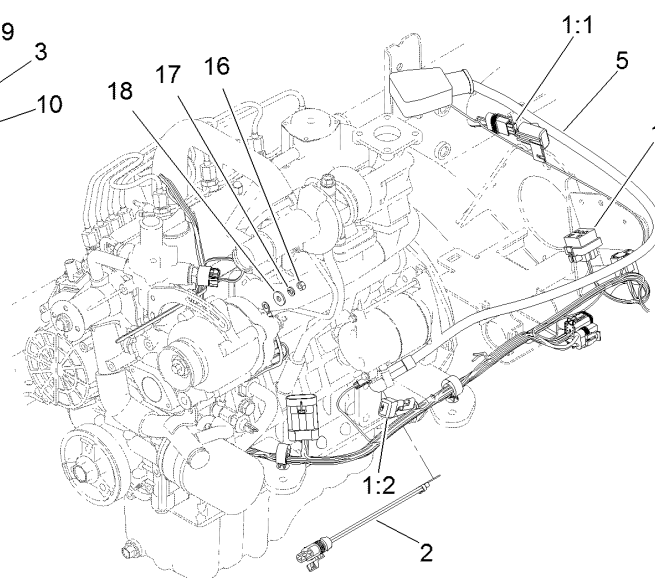
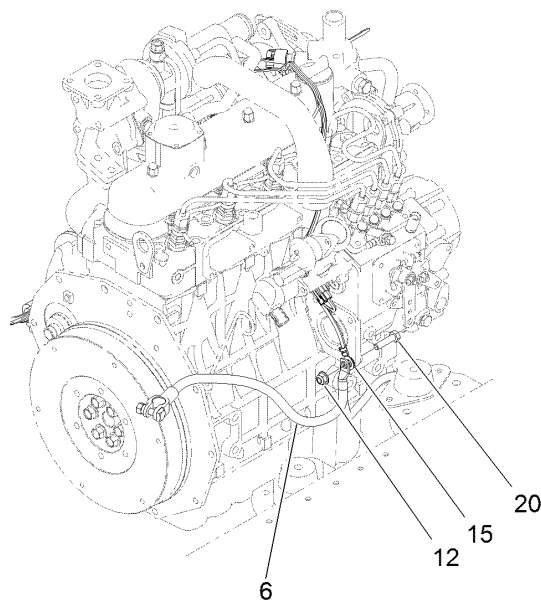
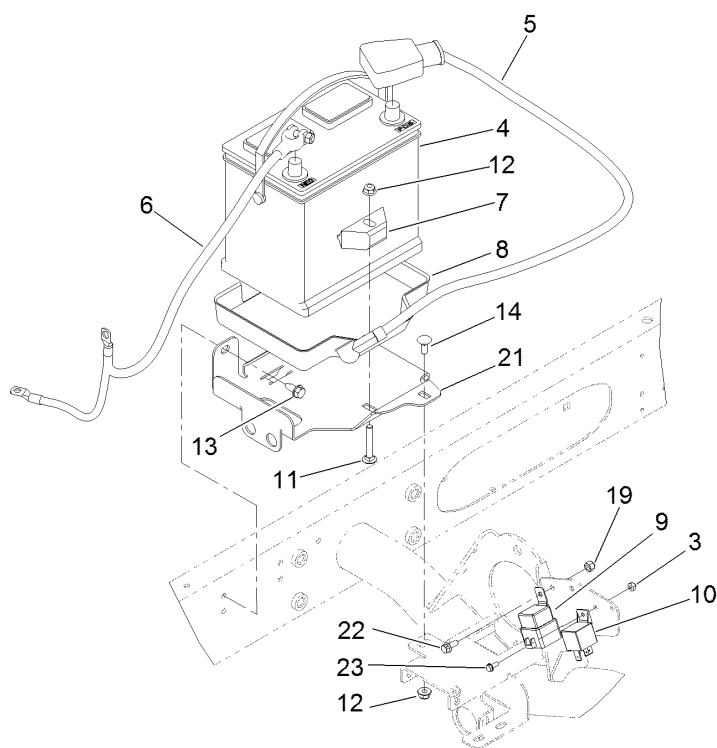
Seat and Control Arm Wiring Harness Assembly

Ref.	Part Number	Qty.	Description
1	115-8081	1	Harness-Wire, Seat
1:6	218-578	3	Fuse-Blade, 10 Amp
1:7	109355	1	Fuse-Blade, 15 Amp
1:23	32180-043	1	Resistor-120 Ohm
1:25	114241	3	Fuse-Blade, 7.5 Amp
2	3290-378	3	Tie-Cable



Main Wiring Harness Assembly

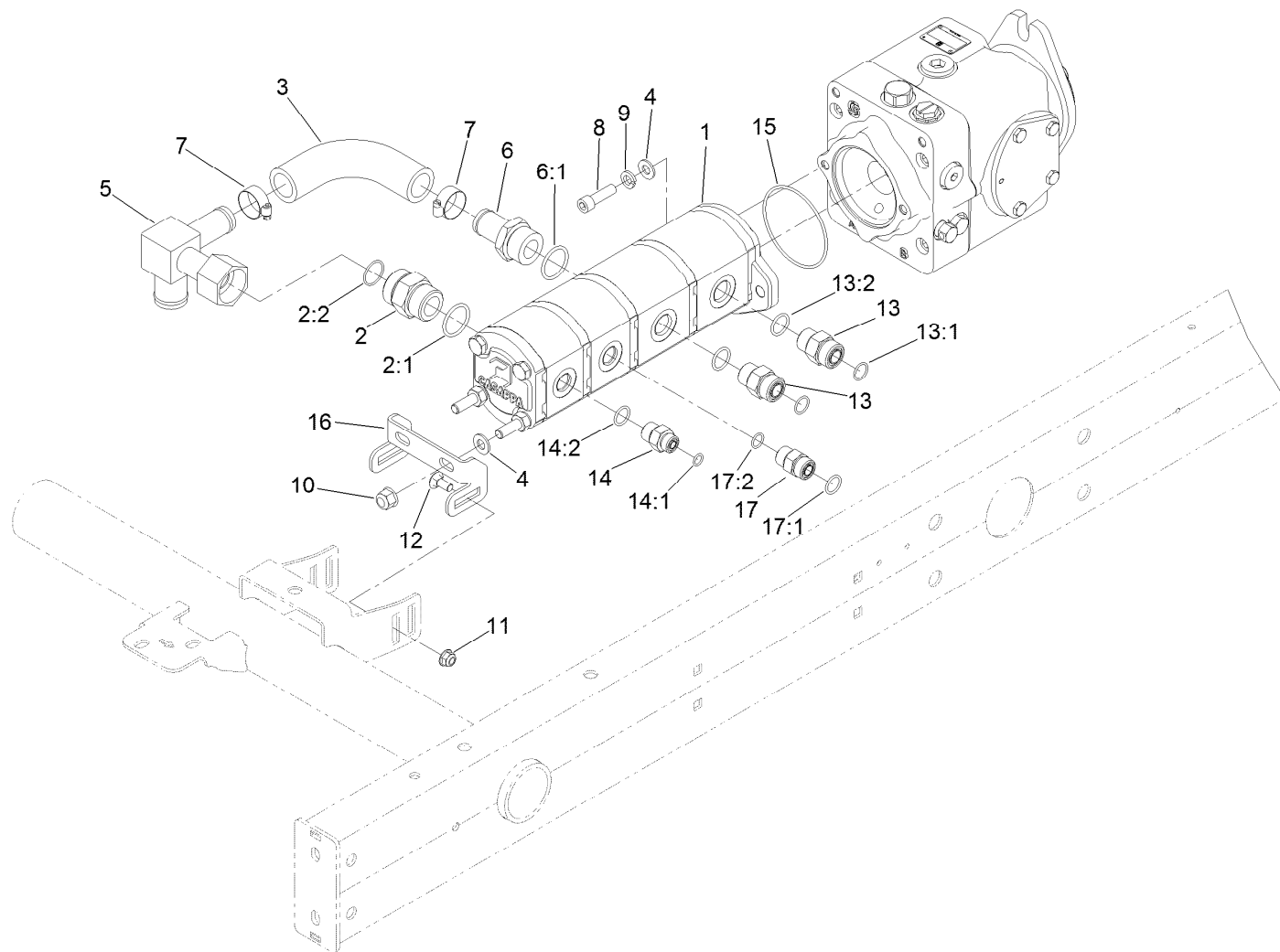
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	120-6384	1	Harness-Wire, Main
2	99-7435	1	Relay
3	3290-321	1	Screw-HWH
4	3296-2	1	Nut-Lock, NI
5	3290-378	10	Tie-Cable



Electrical Assembly

Ref.	Part Number	Qty.	Description
1	120-6346	1	Harness-Wire, Row Engine
1:1	100-4918	1	Diode
1:2	94-6710	1	Fuse-2 Amp
2	99-3441	1	Harness-Wire, Fusible Link
3	3296-2	1	Nut-Lock, NI
4	104-9979	1	Battery
5	108-1802	1	Cable-Battery, Positive
6	110-8813	1	Cable-Battery, Negative
7	66-2490	1	Retainer-Battery
8	99-3513	1	Tray-Battery
9	99-7430	1	Relay-Mini
10	99-7435	1	Relay
11	3230-6	1	Bolt-CARR

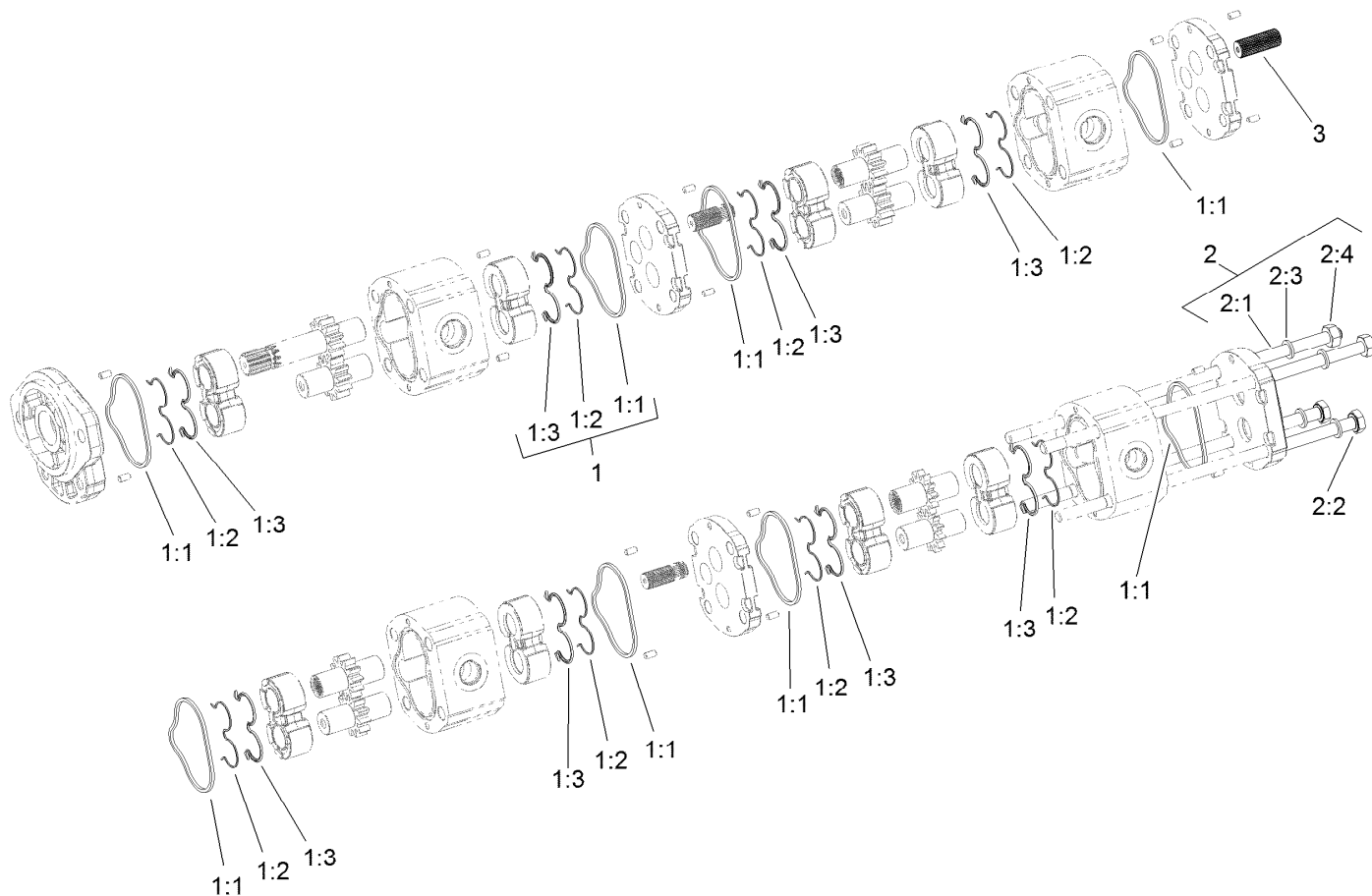
Ref.	Part Number	Qty.	Description
12	104-8300	3	Nut-HF, NI
13	32104-32	2	Screw-HWH
14	3230-1	1	Bolt-CARR
15	3255-8	1	Washer-Lock
16	48-7890	1	Nut-Hex
17	43-5930	1	Washer-Lock, Spring
18	3256-78	1	Washer-Flat
19	3296-42	1	Nut-Lock, NI
20	322-6	1	Screw-HH
21	110-0907-01	1	Bracket-Battery
22	3234-33	1	Screw-HHF
23	3290-321	1	Screw-HWH



Gear Pump Mounting Assembly

Ref.	Part Number	Qty.	Description
1	108-4003	1	Gear Pump ASM
2	104-3797	1	Fitting-Straight
2:1	237-146	1	O-Ring
2:2	340-65	1	O-Ring
3	108-1683	1	Hose-Formed
4	3256-24	4	Washer-Flat
5	108-1672	1	Manifold-Tube
6	354-78	1	Fitting-STR
6:1	237-146	1	O-Ring
7	2412-34	2	Clamp-Hose
8	3274-1	2	Screw-HSH
9	3253-5	2	Washer-Lock
10	103-9511	2	Nut-Lock, NI

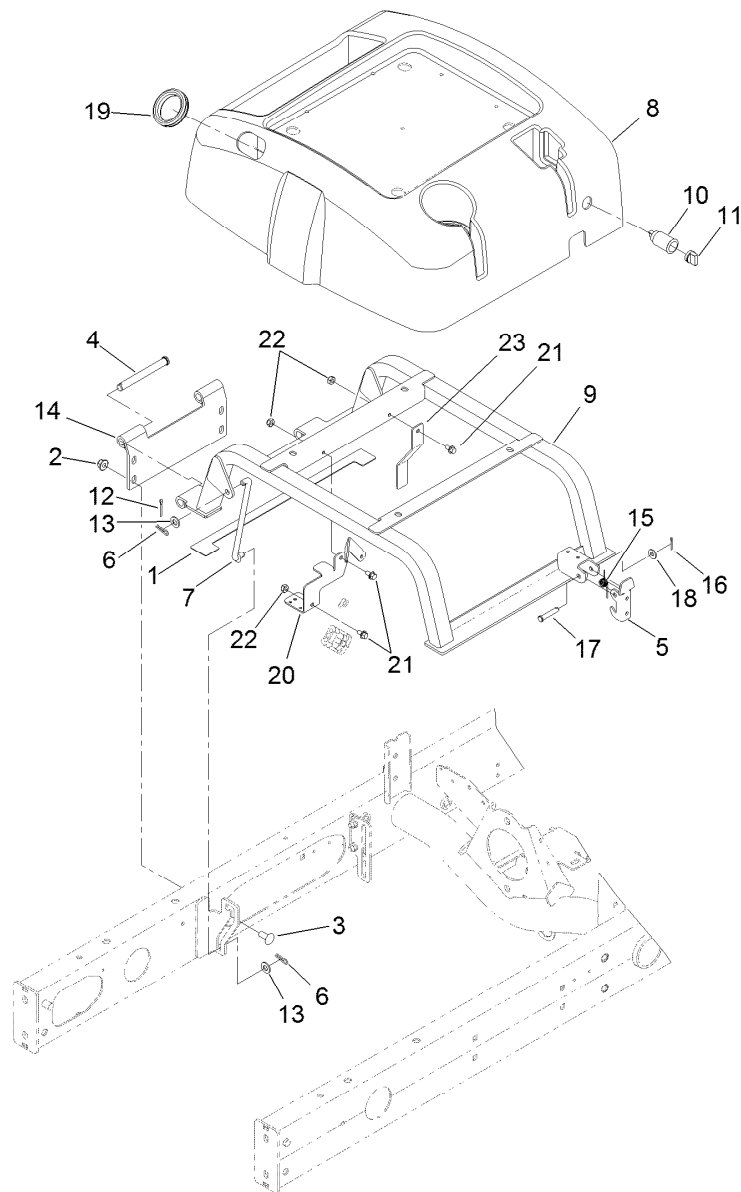
Ref.	Part Number	Qty.	Description
11	104-8300	2	Nut-HF, NI
12	3230-1	2	Bolt-CARR
13	340-7	2	Fitting-Straight
13:1	237-65	1	O-Ring
13:2	237-80	1	O-Ring
14	340-3	1	Fitting-Straight
14:1	237-22	1	O-Ring
14:2	237-79	1	O-Ring
15	237-161	1	O-Ring
16	108-1801-01	1	Bracket-Support, Pump
17	340-4	1	Fitting-Straight
17:1	237-30	1	O-Ring
17:2	237-79	1	O-Ring



Gear Pump Assembly No. 108-4003

Ref.	Part Number	Qty.	Description
1	108-4595	1	Seal Kit
1:1		8	Seal ●
1:2		8	Seal ●
1:3		8	Ring-Back Up ●
2	120-6273	1	Bolt Kit
2:1		2	Stud Bolt ●
2:2		2	Screw ●
2:3		4	Washer ●
2:4		2	Nut ●
3	120-6284	3	Hub-Connecting

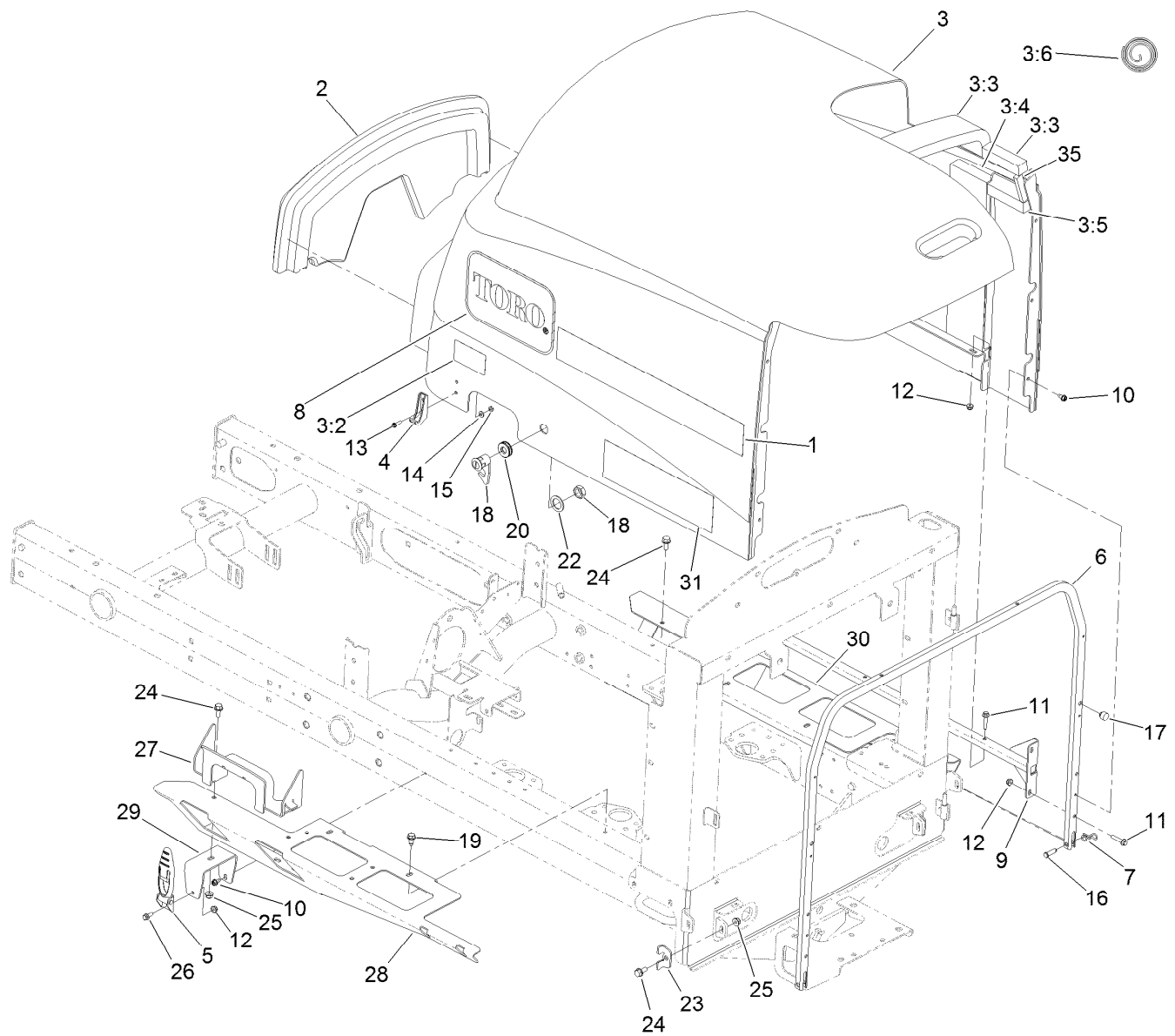
● Not serviced separately



Seat Base Assembly

Ref.	Part Number	Qty.	Description
1	110-5255	2	Bumper-Base, Seat
2	104-8301	4	Nut-HF, NI
3	3231-27	4	Screw-CARR
4	283-83	2	Pin-Clevis
5	110-8971	1	Latch
6	3290-307	4	Pin-Cotter
7	98-0917	2	Rod-Prop
8	108-1757	1	Cover-Seatbase
9	125-2122-03	1	Seat Base ASM
10	99-7411	1	Point-Power
11	99-7416	1	Cap
12	3272-11	2	Pin-Cotter

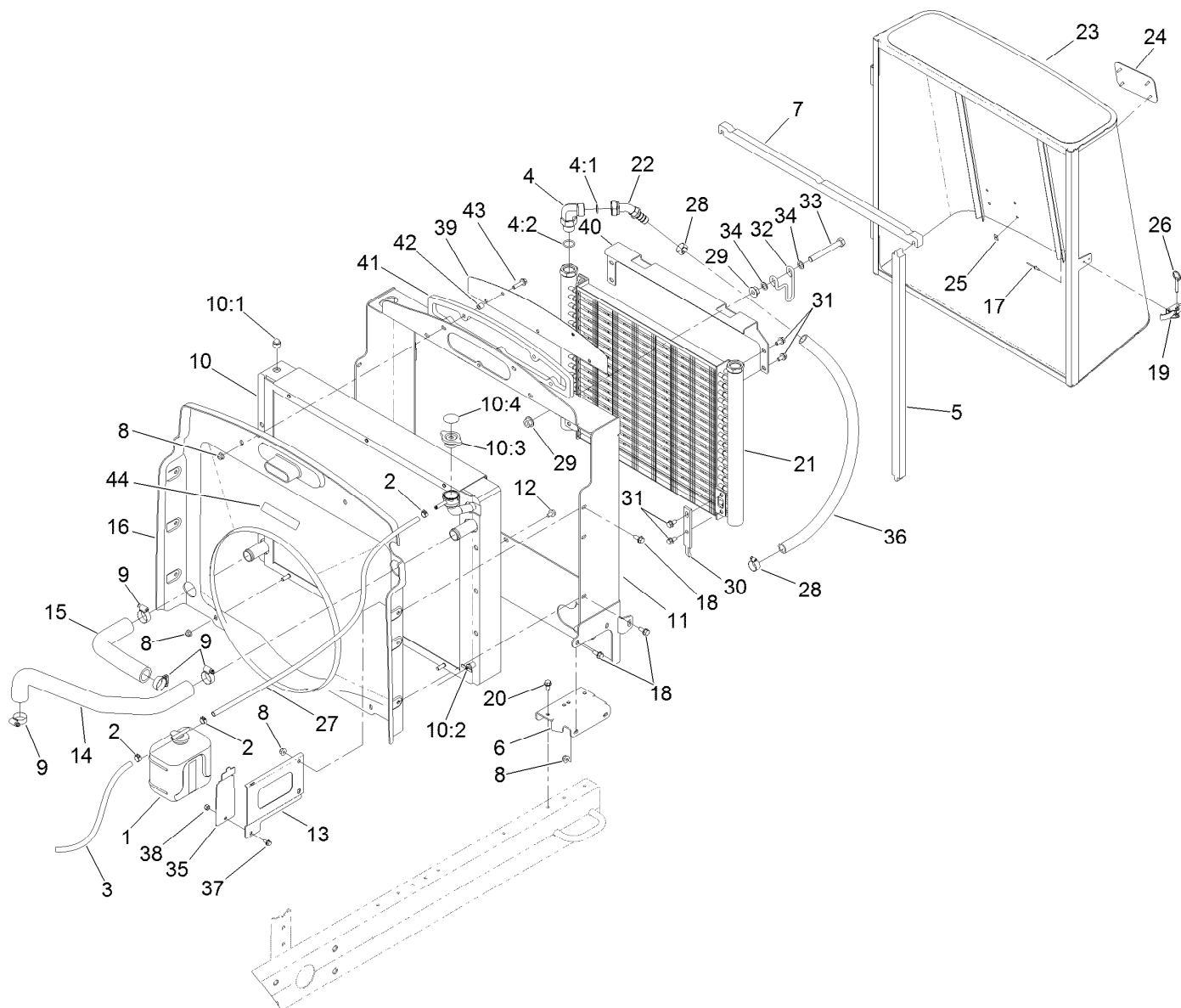
Ref.	Part Number	Qty.	Description
13	3256-24	4	Washer-Flat
14	125-2121-03	1	Hinge-Seatbase
15	104-4821	1	Spring-Torsion
16	3272-6	1	Pin-Cotter
17	94-3829	1	Pin-Clevis
18	3256-2	1	Washer-Flat
19	240-12	1	Grommet-Rubber
20	127-2711-03	1	Bracket-Harness
21	3234-13	3	Screw-HHF
22	3296-16	3	Nut-Lock, NI
23	127-2615-03	1	Bracket-Harness, Wire



Hood Assembly

Ref.	Part Number	Qty.	Description
1	125-2930	2	Decal
2	108-7587	1	Saddle-Hood
3	110-8995	1	Hood ASM
3:2	106-6754	1	Decal-Danger
3:3	110-8948	1	Foam-Hood
3:4	110-8947	2	Foam-Hood
3:5	110-8949	4	Seal-Foam
3:6	110-9002	1	Foil Tape Kit
4	103-2897	2	Latch-Catch
5	103-2898	2	Latch-Rubber
6	125-8820-03	1	Tube-Hood
7	105-7512	2	Pin-Tie, Bow
8	66-6140	2	Decal
9	108-1790-03	2	Tube
10	32104-17	8	Screw-HWH
11	3234-21	10	Screw-HHF
12	104-7201	12	Nut-HF, NI
13	32105-13	4	Screw-HWH

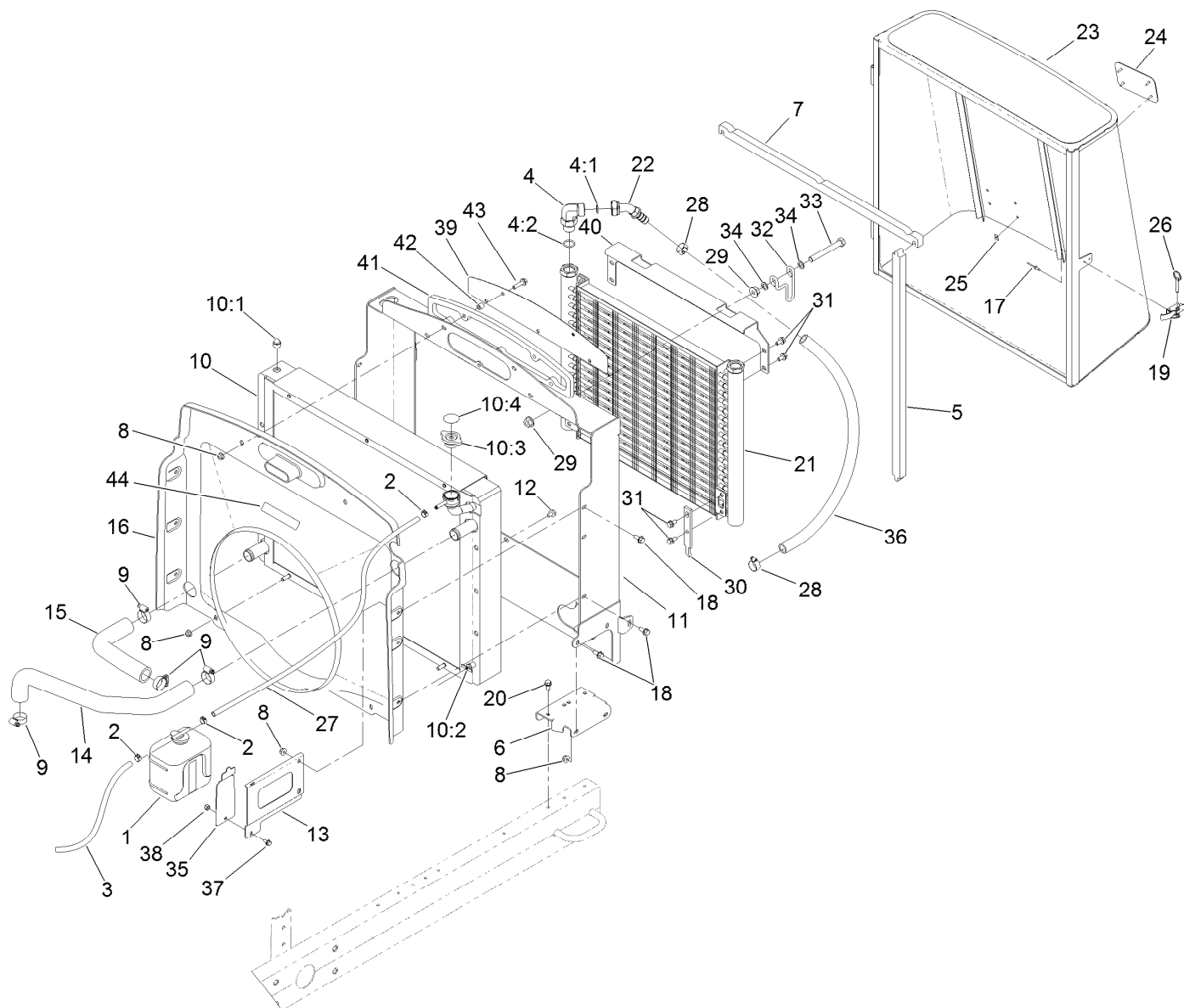
Ref.	Part Number	Qty.	Description
14	3256-14	4	Washer-Flat
15	3296-12	4	Nut-Lock, NI
16	283-61	2	Pin-Yoke
17	107-8042	2	Bumper-Rubber
18	98-5398	1	Latch
19	32104-32	6	Screw-HWH
20	104-1453	1	Grommet
22	99-4958	1	Spacer
23	110-8946	2	Clamp-Frame, Radiator
24	3234-5	6	Screw-HHF
25	104-8300	6	Nut-HF, NI
26	3234-33	2	Screw-HHF
27	121-5627-03	2	Guide-Hood
28	110-5253-01	1	Adapter-Hood, LH
29	110-5256-01	2	Bracket-Latch, Hood
30	110-5254-01	1	Adapter-Hood, RH
31	110-8859	2	Decal
35	110-8950	2	Seal-Foam



Radiator Assembly

Ref.	Part Number	Qty.	Description
1	108-0638	1	Bottle-Overflow
2	92-2379	3	Clamp-Hose
3	110-3257	1	Hose-Fuel
4	340-142	2	Fitting-Elbow, 90 DEG
4:1	237-58	1	O-Ring
4:2	237-81	1	O-Ring
5	110-5275	2	Seal-Foam
6	110-5310-01	2	Bracket-Mounting
7	110-5276	2	Seal-Foam
8	104-8300	17	Nut-HF, NI
9	2412-129	4	Clamp-Hose
10	117-8093	1	Radiator ASM
10:1	281-13	1	Plug-Pipe
10:2	304-46	1	Draincock
10:3	93-5957	1	Cap-Radiator
10:4	106-6755	1	Decal-Cap, Radiator
11	110-5251-03	1	Frame-Radiator
12	3234-30	6	Screw-HHF
13	108-1666-03	1	Bracket-Reservoir
14	110-8942	1	Hose-Formed
15	110-8943	1	Hose-Formed

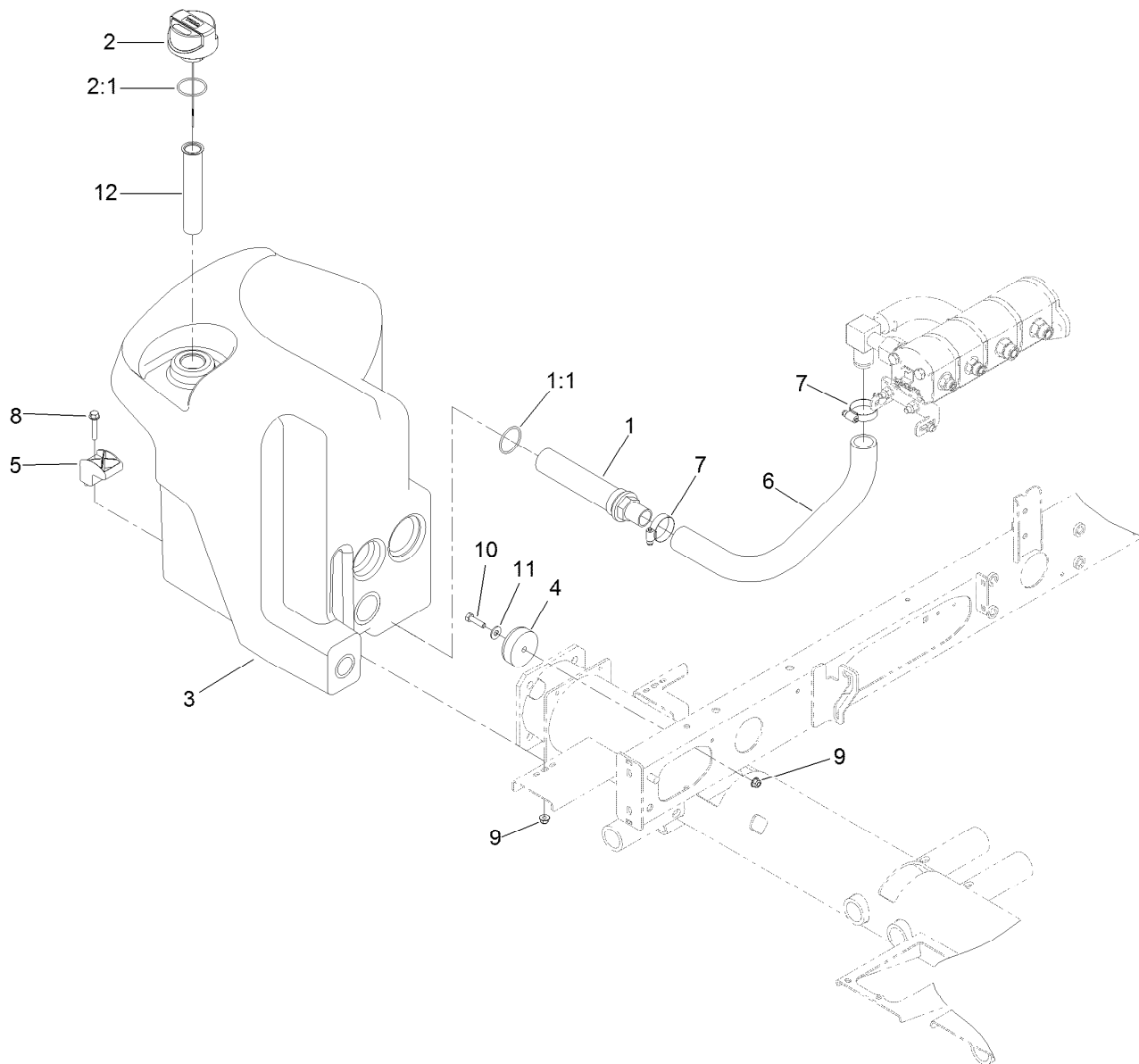
Ref.	Part Number	Qty.	Description
16	110-5311	1	Shroud-Fan
17	3269-15	2	Rivet-Pop
18	3234-5	10	Screw-HHF
19	115-1554	1	Latch-Draw
20	32104-32	6	Screw-HWH
21	110-0485	1	Cooler-Oil
22	104-7851	2	Fitting-HYD, 45 DEG
23	110-5269-03	1	Screen
24	93-6028	1	Plate-Logo
25	94-2638	4	Nut-Flat
26	115-1556	1	Pin-Ball, Detent
27	110-4104	1	Hose-Fuel
28	2412-34	4	Clamp-Hose
29	32128-49	4	Nut-HHF
30	104-5460-03	2	Plate-Mount, Oil Cooler
31	3234-14	8	Screw-HHF
32	104-5429	2	Clamp-Form, Wire
33	325-17	2	Screw-HH
34	41-8440	4	Washer
35	108-1665-03	1	Bracket-Reservoir
36	110-8955	2	Hose



Radiator Assembly (continued)

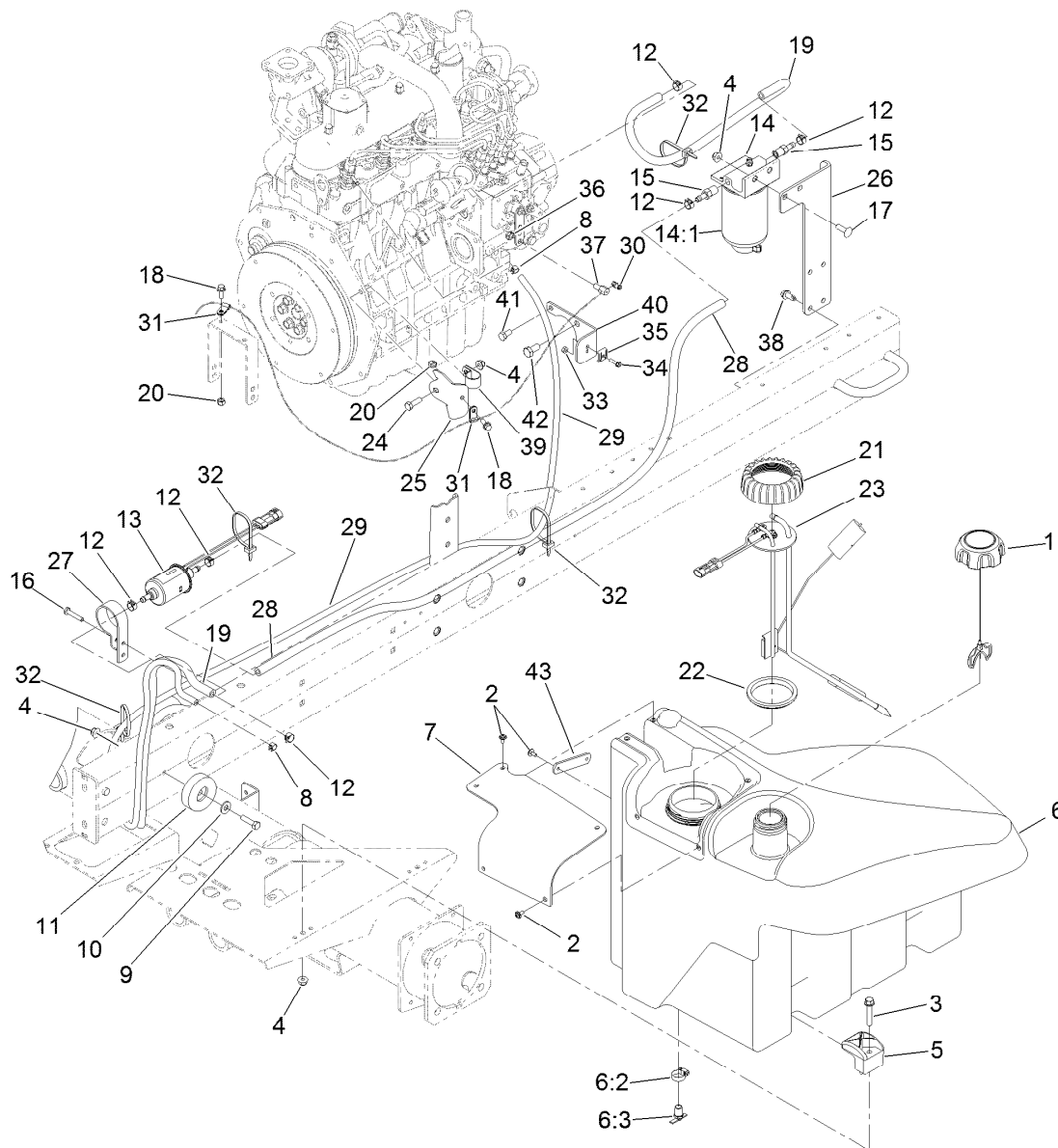
Ref.	Part Number	Qty.	Description
37	3234-13	1	Screw-HHF
38	3296-42	1	Nut-Lock, NI
39	108-1843-03	1	Screen-Intake, Air
40	104-5428	1	Bracket-Oil Cooler, Top

Ref.	Part Number	Qty.	Description
41	110-5324	1	Seal-Foam
42	1-603903	5	Spacer
43	3234-36	5	Screw-HHF
44	93-7272	1	Decal-Warning



Hydraulic Tank Assembly

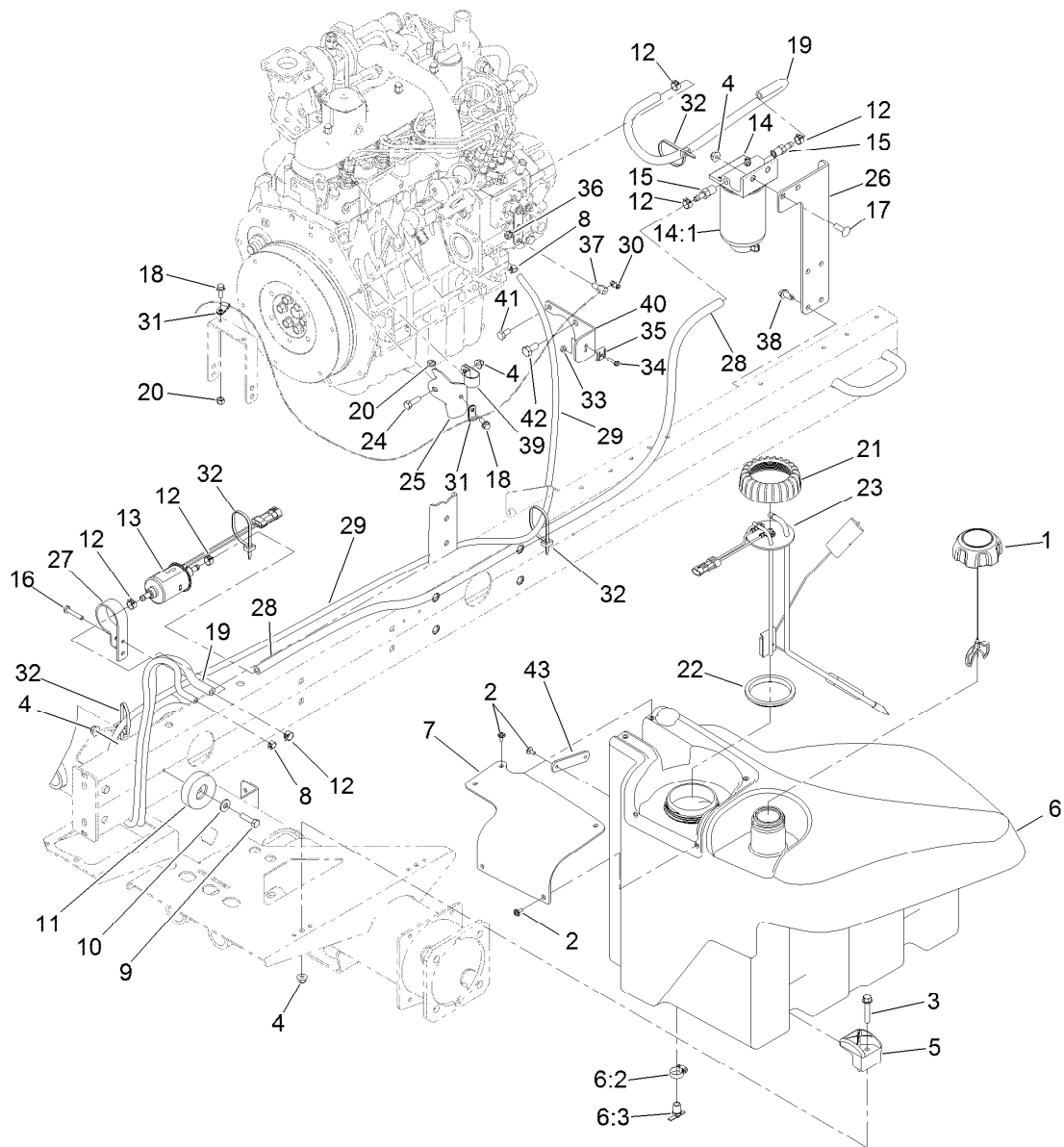
Ref.	Part Number	Qty.	Description
1	105-0131	1	Strainer-Tank, Oil
1:1	340-136	1	O-Ring
2	117-0193	1	Cap-Hydraulic, Vented Breather
2:1	237-101	1	O-Ring
3	121-5587	1	Tank-Hydraulic
4	108-1605	1	Bumper-Recess
5	107-4543	2	Clamp
6	108-1685	1	Hose-Formed
7	2412-111	2	Clamp-Hose, W/Liner
8	94-5780	2	Screw-HWH
9	104-8300	3	Nut-HF, NI
10	322-6	1	Screw-HH
11	3256-3	1	Washer-Flat
12	61-2790	1	Filter-Screen



Fuel System Assembly

Ref.	Part Number	Qty.	Description
1	117-5894	1	Fuel Cap ASM
2	109-2661	7	Screw-PPH
3	94-5780	2	Screw-HWH
4	104-8300	6	Nut-HF, NI
5	107-4543	2	Clamp
6	125-2907	1	Fuel Tank ASM
6:2	2412-36	1	Clamp-Hose
6:3	304-46	1	Draincock
7	125-2903	1	Cover-Pump/Sender
8	2412-80	2	Clamp-Hose
9	322-6	1	Screw-HH
10	3256-3	1	Washer-Flat
11	108-1605	1	Bumper-Recess
12	92-2379	6	Clamp-Hose
13	110-8806	1	Pump-Fuel
14	110-9044	1	Separator-Filter
14:1	110-9049	1	Filter-Spin On, Fuel/Water
15	353-783	2	Fitting-STR
16	32104-96	1	Screw-HH
17	3230-22	2	Screw-CARR
18	3234-4	2	Screw-HHF

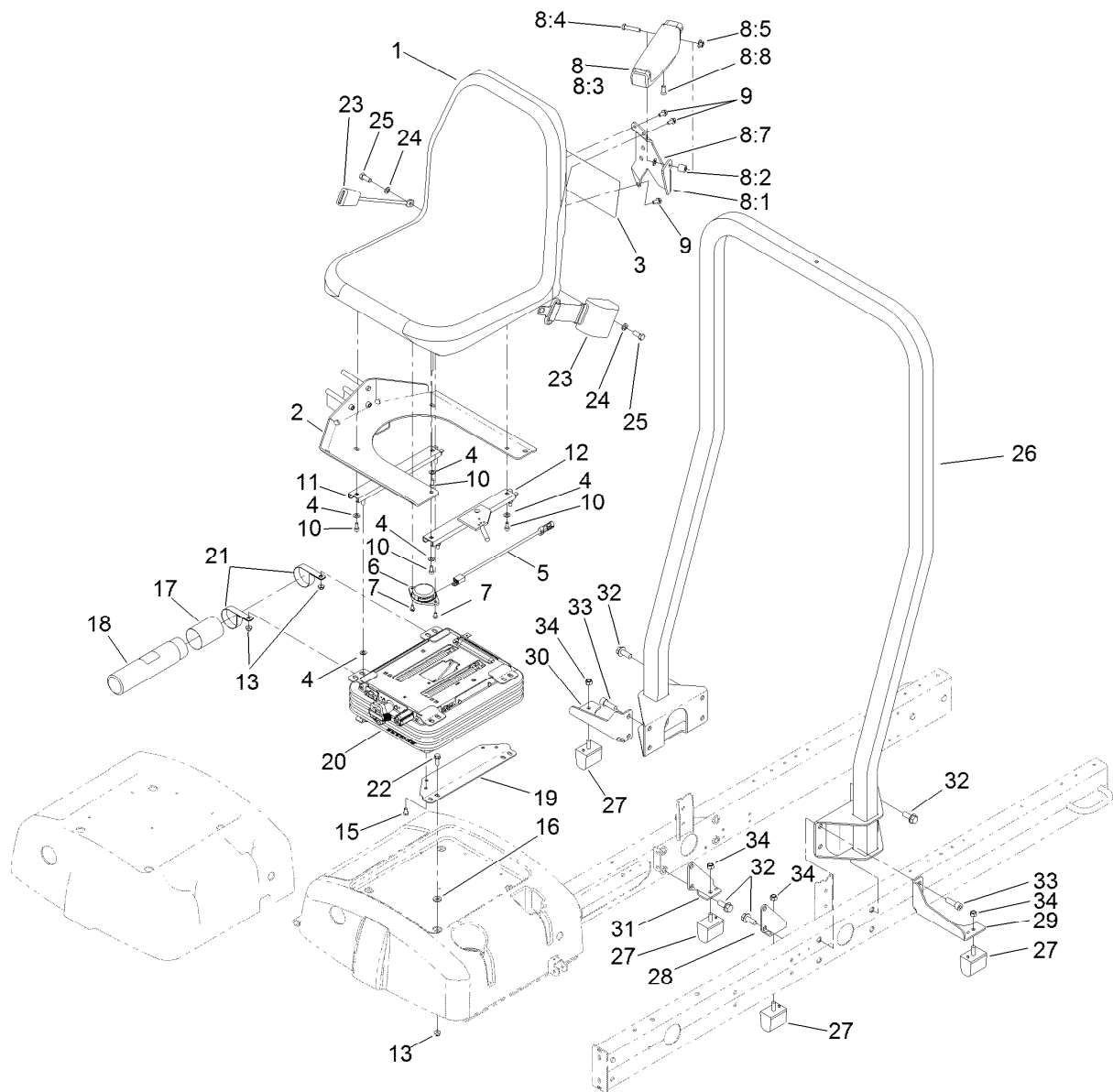
Ref.	Part Number	Qty.	Description
19	109-0309	2	Hose-Fuel
20	3296-42	2	Nut-Lock, NI
21	115-2162	1	Cap-Pump, Fuel
22	115-2163	1	Gasket-Pump, Fuel
23	121-5642	1	Sender-Fuel
24	322-5	1	Screw-HH
25	110-9007-03	1	Support-Cable, Throttle
26	110-8968-01	1	Mount-Separator, Water
27	110-8817	1	Bracket-Pump, Fuel
28	110-3259	1	Hose-Fuel
29	125-8808	1	Hose-Fuel
30	112-9919	1	Stop-Cable, Throttle
31	2412-149	2	Clamp-R
32	3290-378	5	Tie-Cable
33	3296-2	1	Nut-Lock, NI
34	32105-13	1	Screw-HWH
35	81-1690	1	Clamp-Cable
36	3296-20	1	Nut-Lock, NI
37	98-9311	1	Swivel-Throttle
38	32104-32	4	Screw-HWH
39	2412-41	1	Clamp-R



Fuel System Assembly (continued)

Ref.	Part Number	Qty.	Description
40	110-9009-03	1	Bracket-Cable, Throttle
41	33114-016	1	Screw-HH

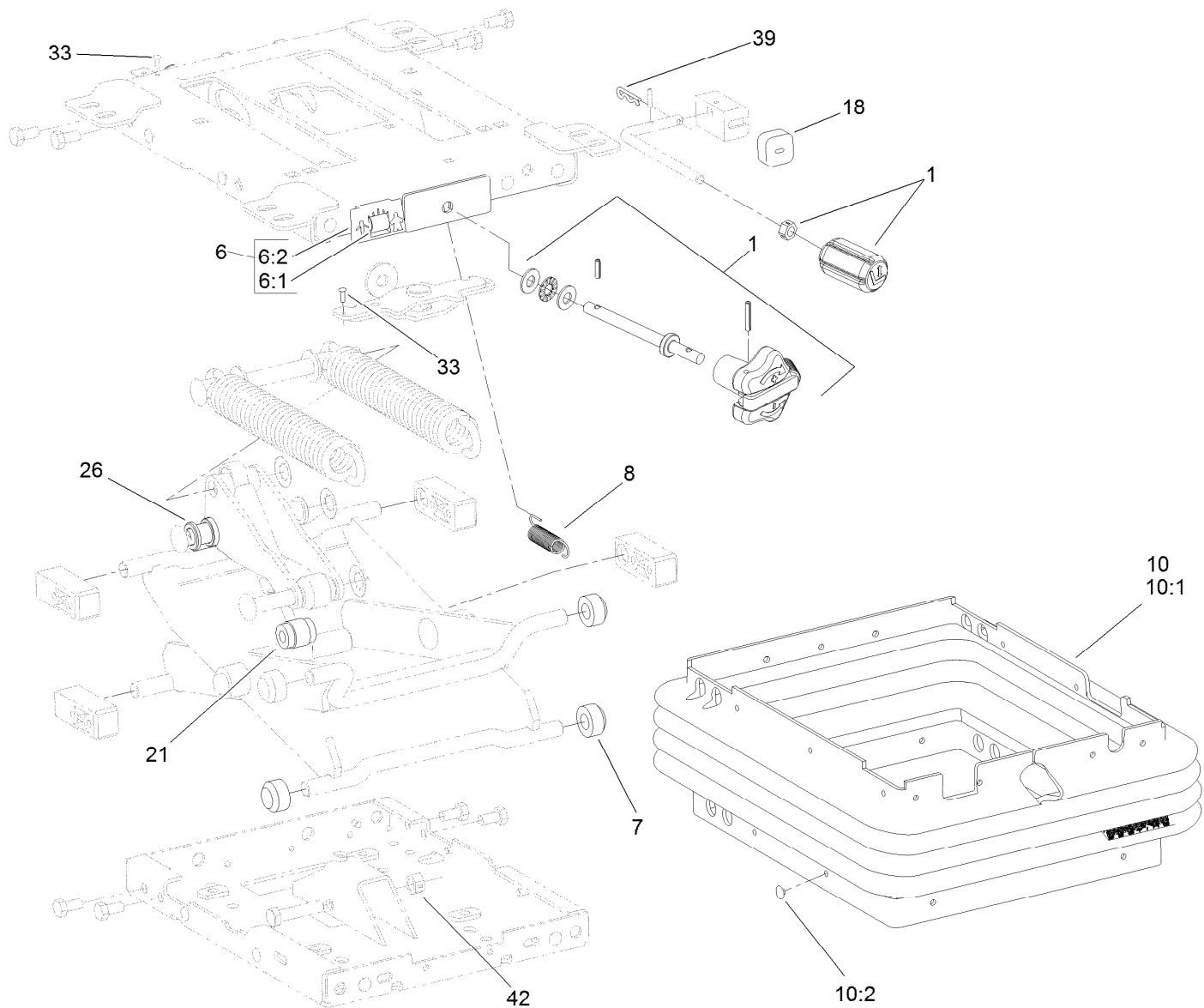
Ref.	Part Number	Qty.	Description
42	63-7790	1	Screw-Cap
43	125-2945	1	Strap-Cable



Seat Mount and Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description
1	104-4620	1	Seat
2	125-2900-03	1	Mount-Seat
3	125-8753	1	Decal-Service
4	3256-23	8	Washer-Plain
5	108-8657	1	Harness-Wire, Seat
6	92-6282	1	Switch-Seat
7	9266714	2	Screw-HWH
8	92-7307	1	LH Armrest ASM
8:1	69-0760	1	Bracket-Arm, LH
8:2	92-7301	1	Spacer
8:3	69-1180	1	Armrest
8:4	323-9	1	Screw-HH
8:5	32128-19	1	Nut-HF Lock, Large Flg
8:7	3256-24	1	Washer-Flat
8:8	92-7318	1	Screw
9	3234-14	3	Screw-HHF
10	3274-12	4	Screw-HSH
11	92-8990	1	Adjuster-Seat, Non-Locking
12	92-8991	1	Adjuster (W/Latch)
13	104-8300	8	Nut-HF, NI
15	48-7680	4	Screw-HH

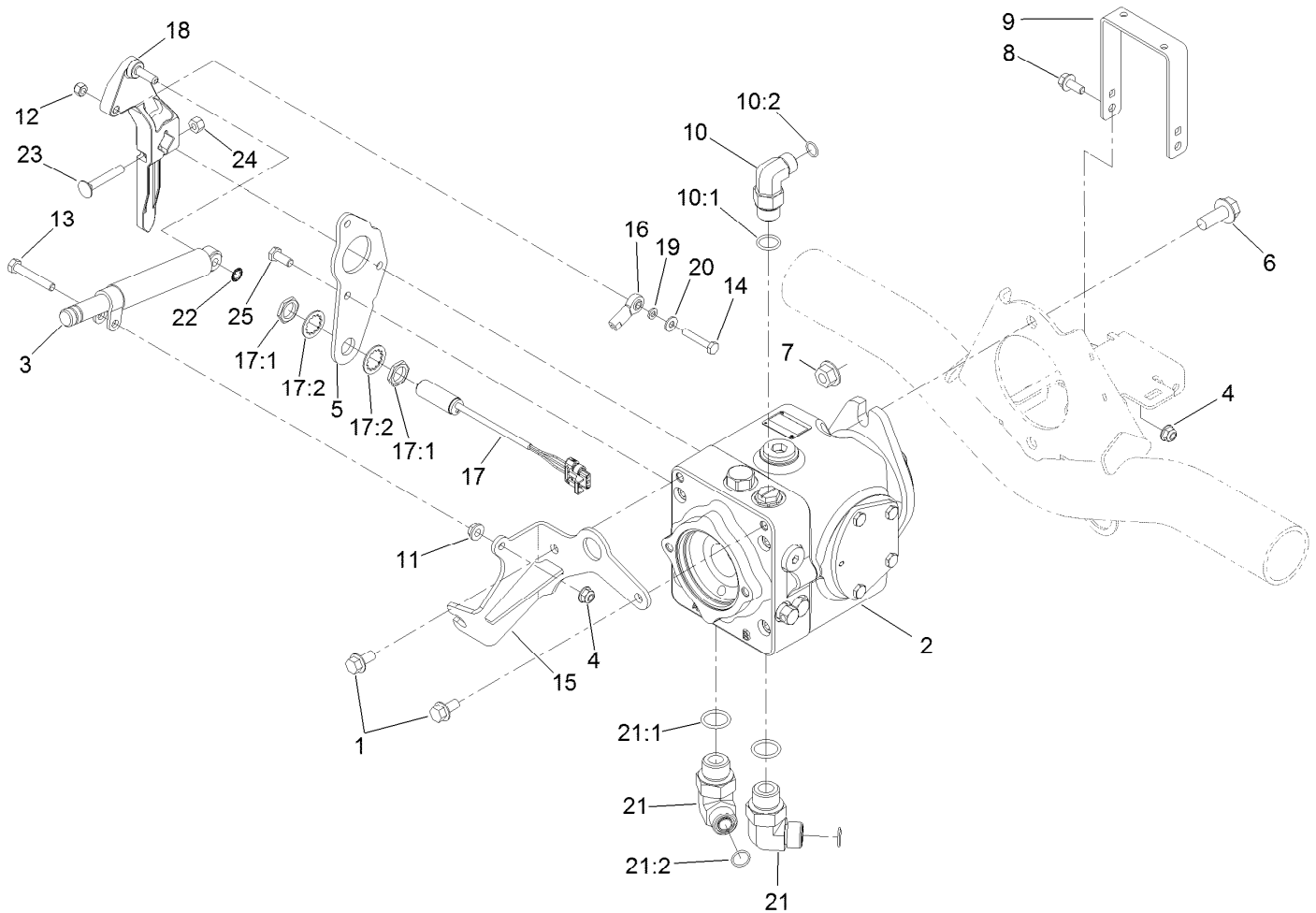
Ref.	Part Number	Qty.	Description
16	71-9310	4	Spacer
17	104-7048	1	Cap-Housing
18	104-7050	1	Tube-Manual
19	108-6590-03	2	Bracket-Seat, Lower
20	110-8851	1	Mechanical Suspension ASM
21	2412-133	2	Clamp-R
22	3234-17	4	Screw-HHF
23	100-4928	1	Belt-Seat
24	3253-6	2	Washer-Lock
25	3212-4	2	Screw-HH
26	125-8821	1	ROPS ASM
27	87-3470	4	Bumper
28	117-0183-03	1	Bracket-Bumper, LH
29	117-0184-03	1	Bracket-Bumper, LH
30	117-0233-03	1	Bracket-Bumper, RH
31	117-0234-03	1	Bracket-Bumper, RH
32	3234-38	8	Screw-HHF
33	3274-4	4	Screw-HSH
34	33025-00	4	Nut-Lock, NI



Mechanical Seat Suspension Assembly No. 110-8851

Ref.	Part Number	Qty.	Description
1	119-8040	1	Knobs Service Kit
6	108-4584	1	Weight Indicator Service Kit
6:1		1	Tape-Weight Adjust ●
6:2		1	Guide-Weight Adjust ●
7	108-9632	4	Roller
8	108-9633	1	Spring-Extension
10	112-0164	1	Boot Kit
10:1		1	Boot-Suspension ●
10:2	108-9641	21	Clip-Plug
18	108-9634	1	Bumper
21	108-9614	1	Damper
26	108-9622	2	Tube
33	3290-54	2	Rivet-Blind
39	3272-9	1	Pin-Cotter
42	32152-2	1	Nut-Lock, Cone

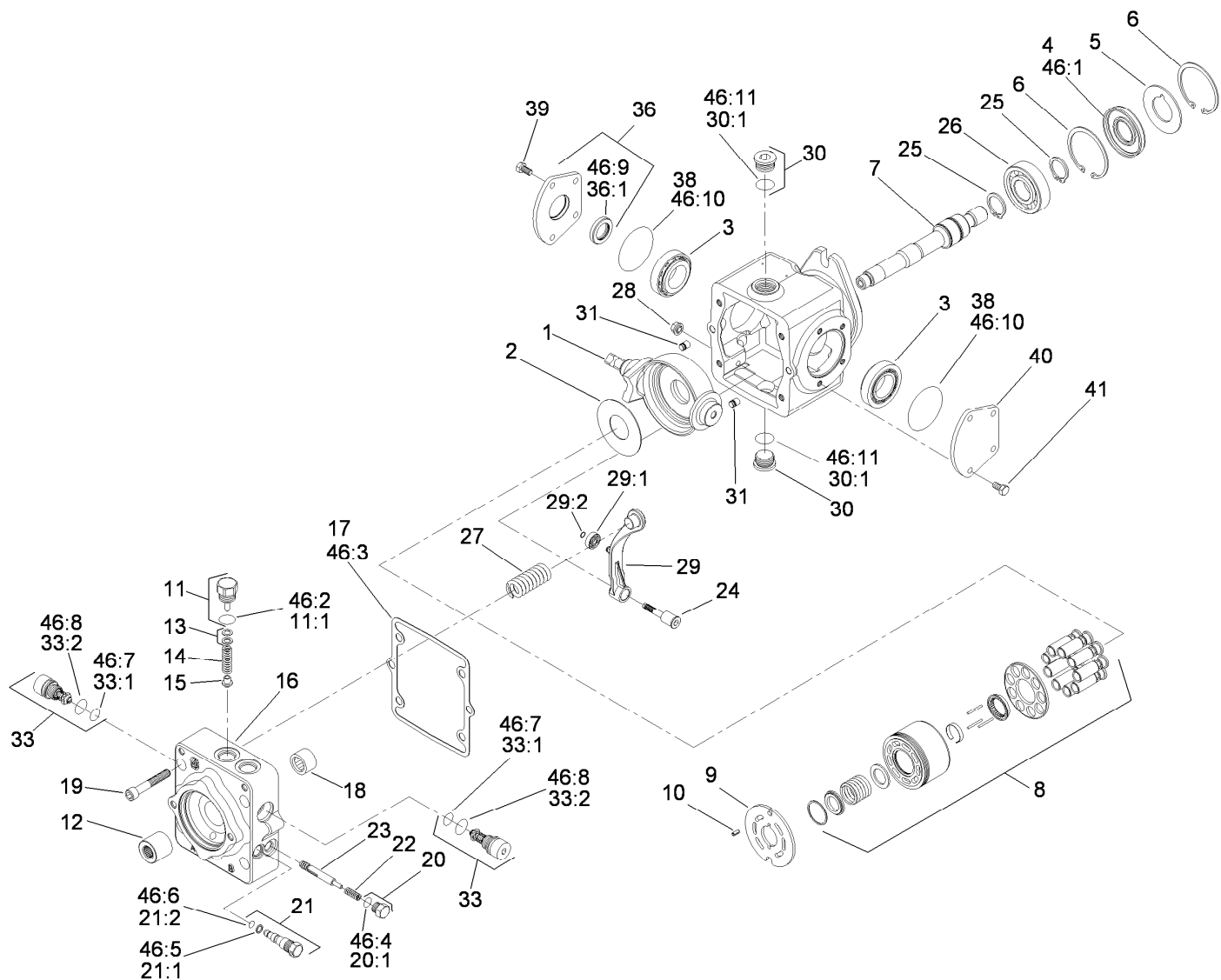
● Not serviced separately



Traction Pump Assembly

Ref.	Part Number	Qty.	Description
1	3234-1	2	Screw-HHF
2	119-6972	1	Variable Hydraulic Pump ASM
3	76-8870	1	Damper-Lever
4	104-8300	3	Nut-HF, NI
5	125-8822-03	1	Plate-Pump
6	3234-38	2	Screw-HHF
7	32128-49	2	Nut-HHF
8	3234-5	2	Screw-HHF
9	108-1799-03	1	Hoop-Guard
10	340-105	1	Fitting-Elbow, 90 DEG
10:1	237-80	1	O-Ring
10:2	237-30	1	O-Ring
11	32128-20	1	Nut-HF
12	3296-42	1	Nut-Lock, NI
13	322-10	1	Screw-HH

Ref.	Part Number	Qty.	Description
14	321-9	1	Screw-HH
15	127-2356-03	1	Bracket-Cable
16	2411-41	1	Rod End-Ball Joint
17	115-5300	1	Proximity Switch ASM
17:1	117-3207	2	Nut-Hex
17:2	117-3208	2	Washer-Lock, Internal Tooth
18	117-0265	1	Lever-Pump
19	33093-00	1	Washer-Flat
20	3256-22	1	Washer-Flat
21	340-139	2	Fitting-Elbow 90
21:1	237-81	1	O-Ring
21:2	237-65	1	O-Ring
22	32151-72	1	Ring-Retaining
23	3230-6	1	Bolt-CARR
24	3296-29	1	Nut-Lock, NI
25	33114-020	3	Screw-HH



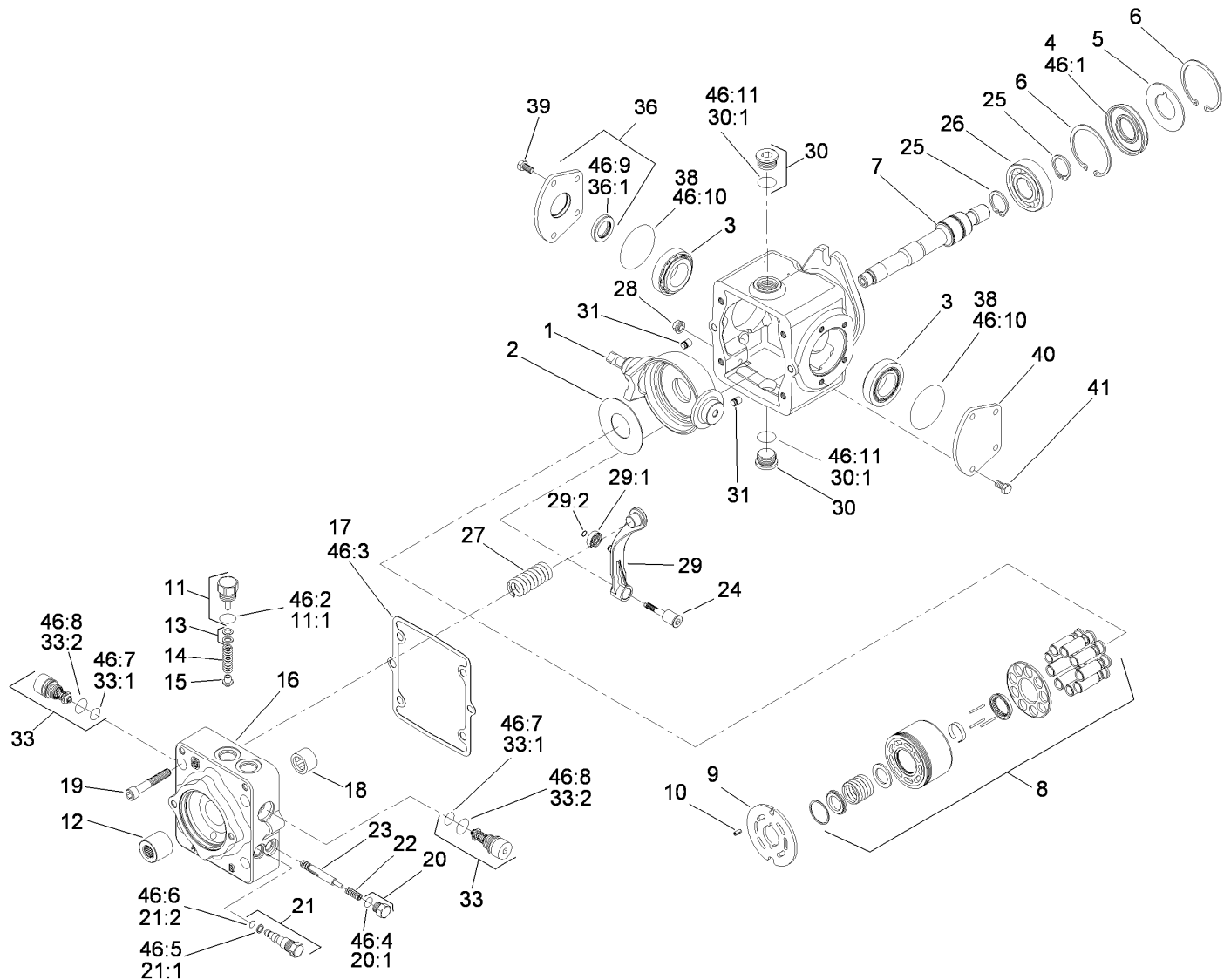
Hydraulic Pump Assembly No. 119-6972

Ref.	Part Number	Qty.	Description
1	115-8092	1	Swashplate
2	75-0400	1	Plate-Thrust
3	110-6483	2	Bearing Kit
4	110-6471	1	Seal-Lip
5	95-4400	1	Washer-Backup
6	69-3200	2	Ring-Retaining
7	110-6484	1	Shaft-Auxiliary
8	110-6472	1	Cylinder Block Kit ASM
9	110-6473	1	Plate-Valve (Clockwise)
10	110-6485	1	Pin-Slotted
11	110-6486	1	Plug-Relief, Charge
11:1	28-3570	1	O-Ring
12	110-6480	1	Coupling
13	92-1353	1	Shim Kit
14	110-6474	1	Spring
15	110-6475	1	Poppet
16	115-8087	1	Cap-End
17	110-6476	1	Gasket-Cap, End

Ref.	Part Number	Qty.	Description
18	75-0500	1	Bearing-Needle
19	110-6489	4	Screw
20	94-9415	2	Plug ASM
20:1		1	O-Ring ■
21	107-4364	1	Bypass Valve ASM
21:1	25-2630	1	Ring-Back Up
21:2	110-6498	1	O-Ring
22	110-6491	2	Spring
23	110-6492	1	Spool-Loop, Flush
24	110-6493	1	Pivot-Return, Neutral
25	69-3170	2	Ring-Retaining
26	75-0460	1	Bearing-Ball
27	115-8085	1	Spring-Neutral Return
28	110-6496	1	Nut-Seal
29	110-6497	1	Neutral Return Arm ASM
29:1	110-6494	1	Bearing-Cam
29:2	110-3056	1	Ring-Retaining
30	69-3130	2	Plug

● Not illustrated

■ Not serviced separately



Hydraulic Pump Assembly No. 119-6972 (continued)

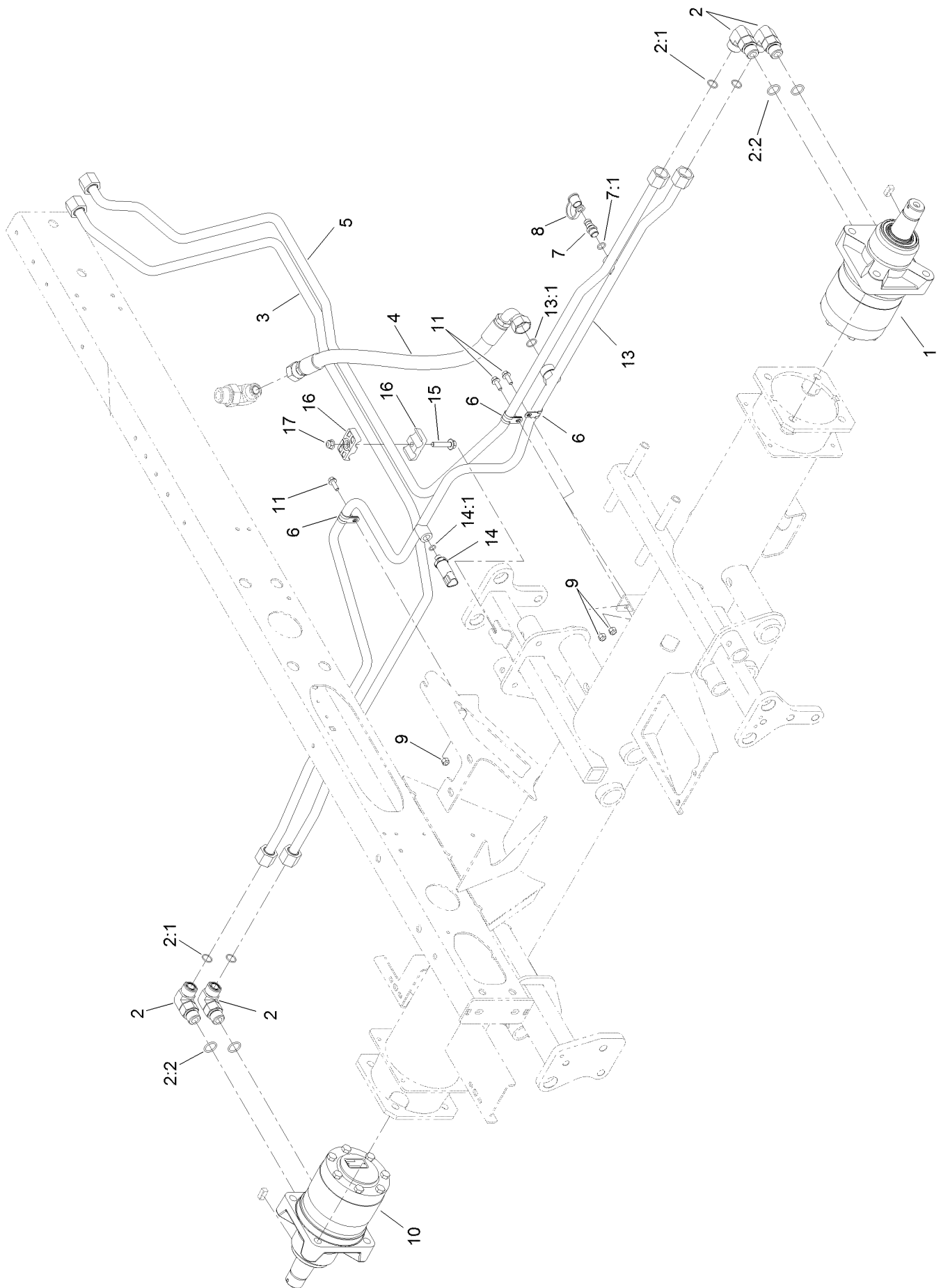
Ref.	Part Number	Qty.	Description
30:1		1	O-Ring ■
31	112-0158	2	Pin
33	110-6477	2	Valve-Relief
33:1	75-0240	1	O-Ring
33:2	84-0560	1	O-Ring
36	110-6499	1	Trunnion Cover ASM
36:1	110-6478	1	Seal-Lip
38	84-0430	2	O-Ring
39	112-0150	4	Screw
40	84-0440	1	Cover-Trunnion
41	112-0151	4	Screw
46	110-6481	1	Seal Kit ●

Ref.	Part Number	Qty.	Description
46:1	110-6471	1	Seal-Lip
46:2	28-3570	1	O-Ring
46:3	110-6476	1	Gasket-Cap, End
46:4		1	O-Ring ■
46:5	25-2630	1	Ring-Back Up
46:6	110-6498	1	O-Ring
46:7	75-0240	2	O-Ring
46:8	84-0560	2	O-Ring
46:9	110-6478	1	Seal-Lip
46:10	84-0430	2	O-Ring
46:11		2	O-Ring ■

● Not illustrated

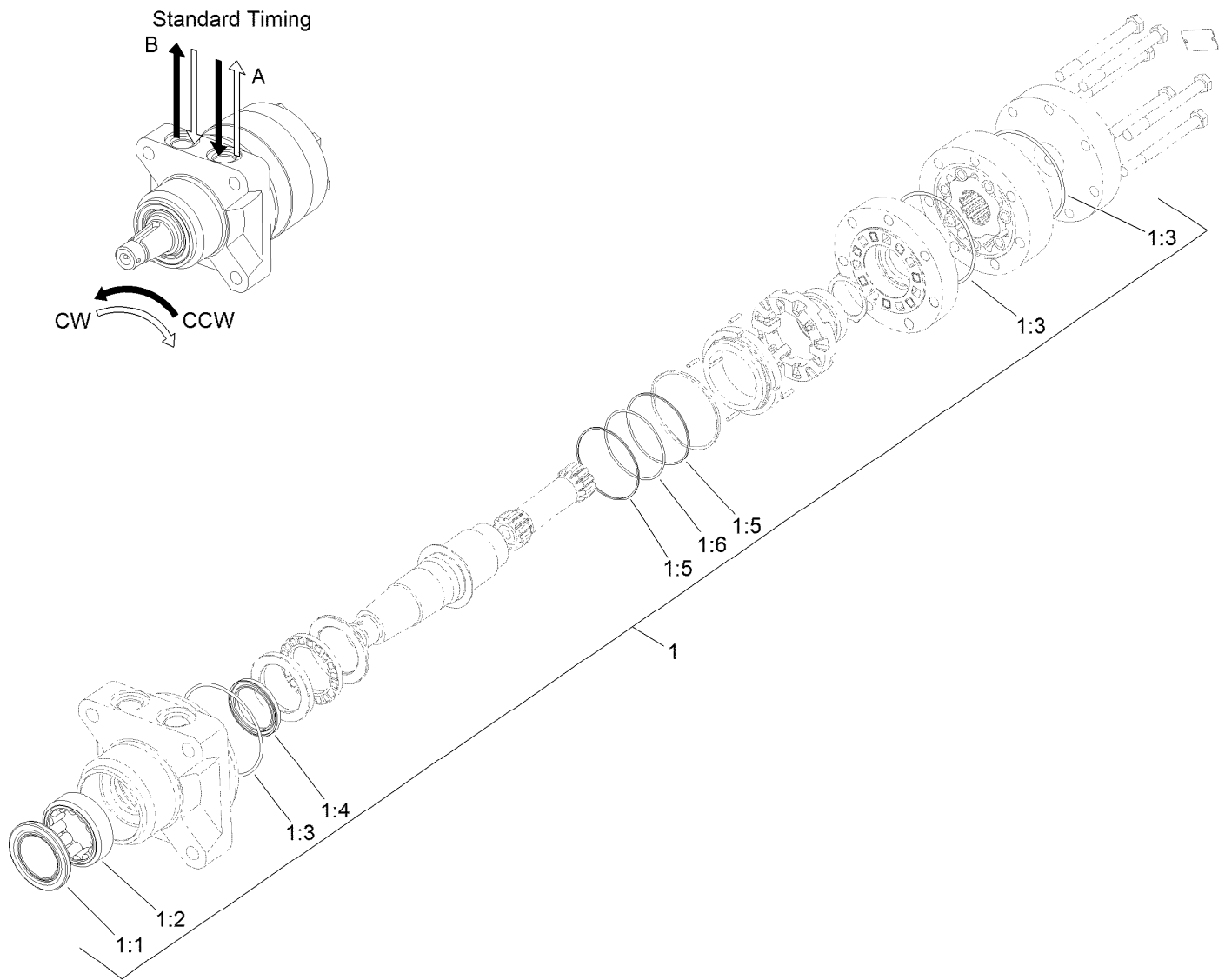
■ Not serviced separately

Front Traction Hydraulic Circuit



Front Traction Hydraulic Circuit (continued)

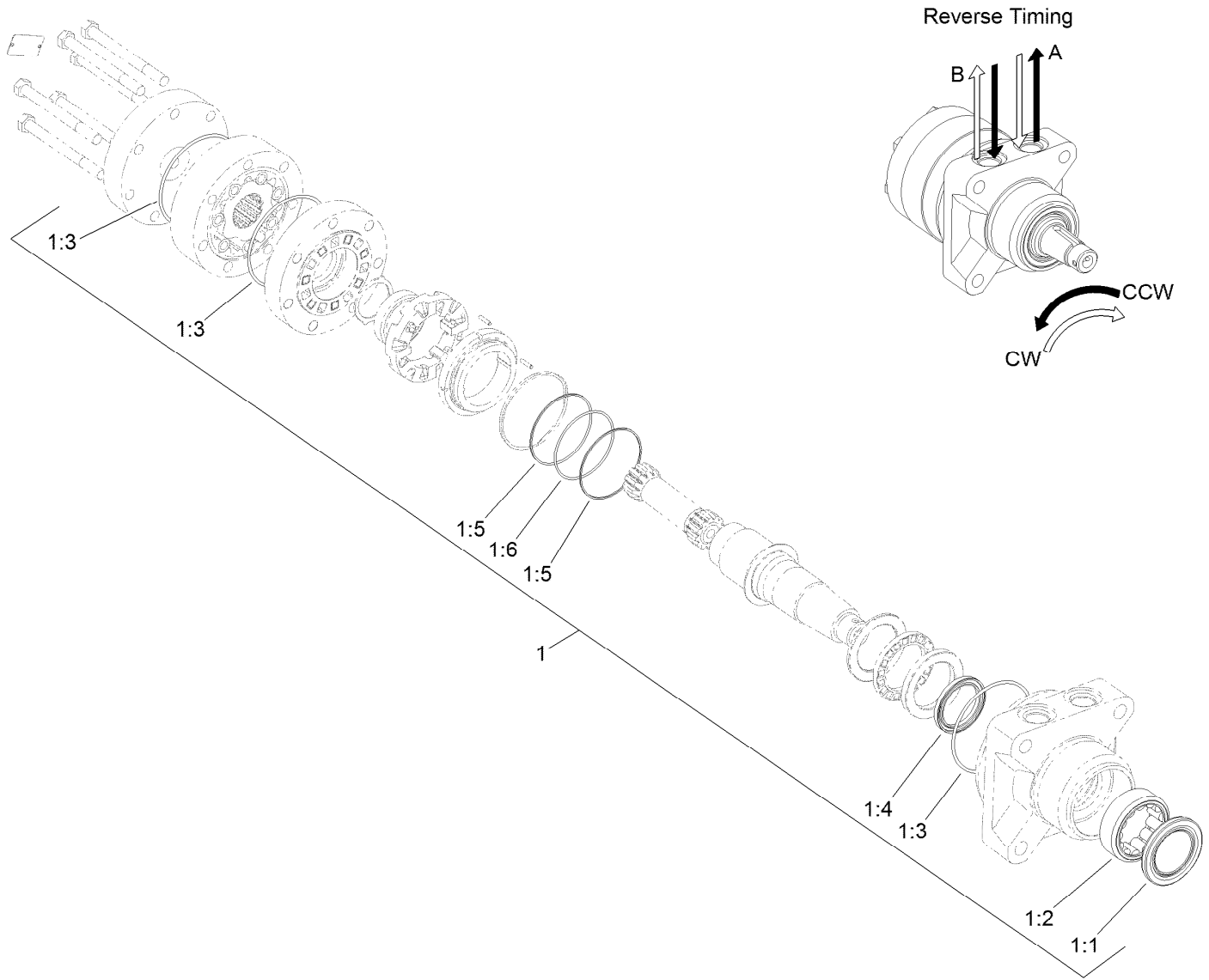
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	120-6264	1	Hydraulic Motor ASM (CCW)	9	3296-42	3	Nut-Lock, NI
2	340-17	4	Fitting-Elbow, 90 DEG	10	120-6265	1	Hydraulic Motor ASM (CW)
2:1	237-65	1	O-Ring	11	3234-4	3	Screw-HHF
2:2	237-80	1	O-Ring	13	114-0389	1	Hydraulic Tube ASM
3	114-0425	1	Hydraulic Tube ASM	13:1	237-65	1	O-Ring
4	108-1679	1	Hose-HYD	14	119-0011	1	Pressure Transducer ASM
5	114-0424	1	Hydraulic Tube ASM	14:1	237-78	1	O-Ring
6	2412-134	3	Clamp-R	15	115-1794	1	Screw-HHF
7	59-7410	1	Fitting-Diagnostic	16	56-7971	2	Clamp-Tube
7:1	237-42	1	O-Ring	17	104-8300	1	Nut-HF, NI
8	354-79	1	Cap-Dust				



Hydraulic Motor Assembly No. 120-6264 (CCW)

Ref.	Part Number	Qty.	Description
1	120-6268	1	Seal Kit
1:1		1	Seal-Grease ●
1:2		1	Shell-Bearing ●
1:3		3	O-Ring ●
1:4		1	Seal-Shaft ●
1:5		2	Ring-Back Up ●
1:6		1	O-Ring ●

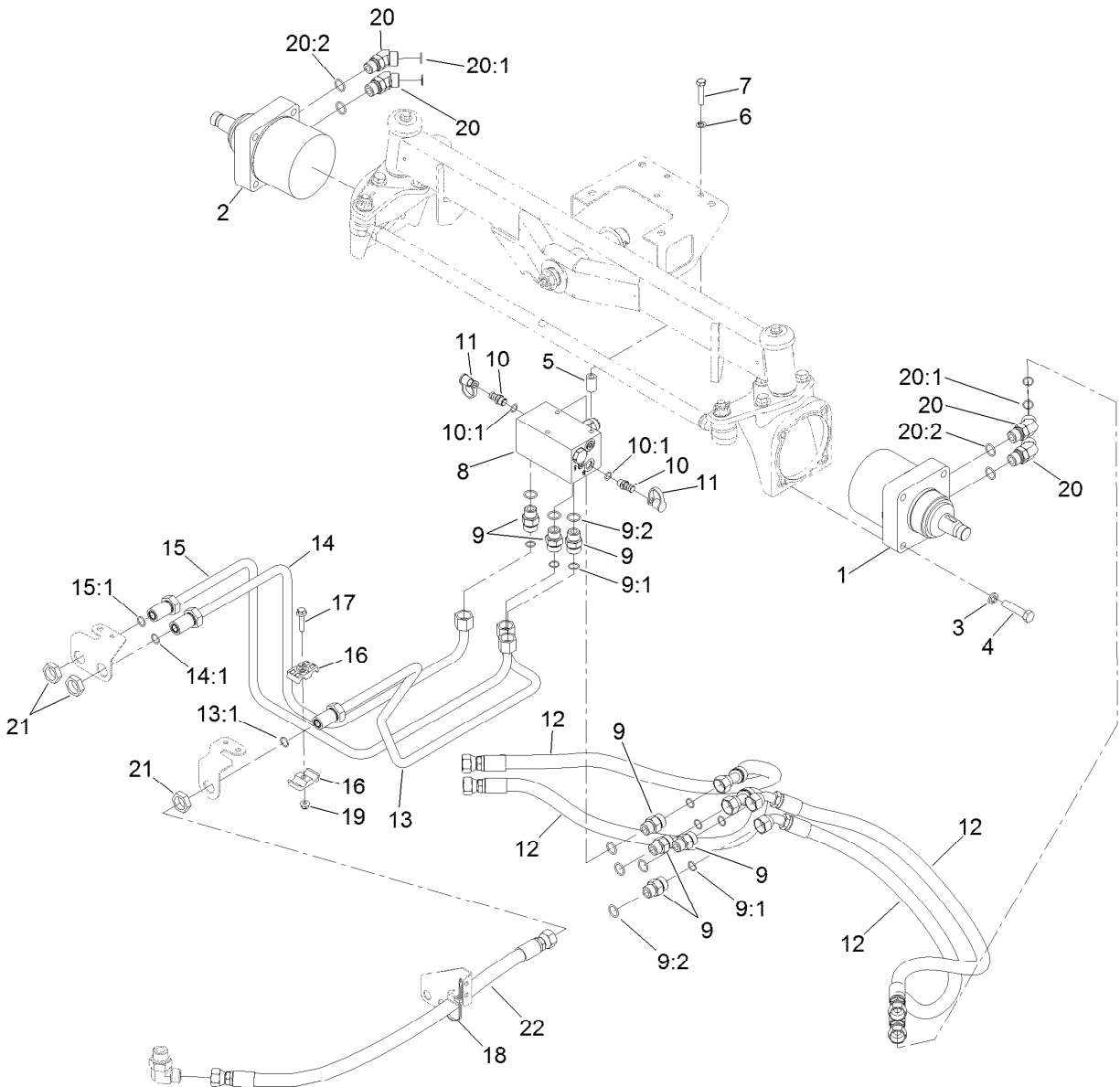
● Not serviced separately



Hydraulic Motor Assembly No. 120-6265 (CW)

Ref.	Part Number	Qty.	Description
1	120-6268	1	Seal Kit
1:1		1	Seal-Grease ●
1:2		1	Shell-Bearing ●
1:3		3	O-Ring ●
1:4		1	Seal-Shaft ●
1:5		2	Ring-Back Up ●
1:6		1	O-Ring ●

● Not serviced separately

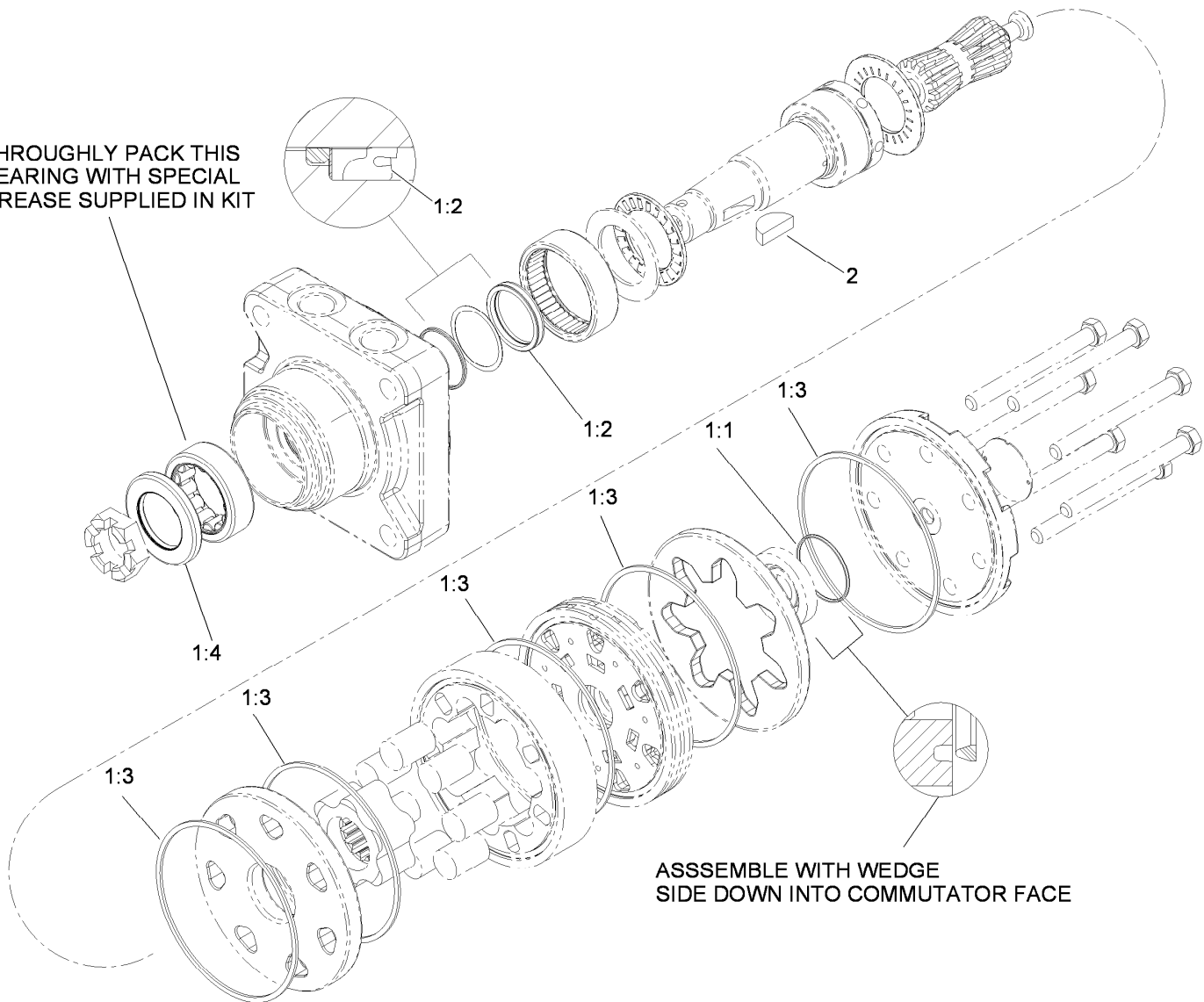


Rear Traction Hydraulic Circuit

Ref.	Part Number	Qty.	Description
1	107-4544	1	HYD Motor ASM
2	110-0901	1	HYD Motor ASM
3	3253-7	8	Washer-Lock
4	325-9	8	Screw-HH
5	93-6981	3	Spacer
6	3253-21	3	Washer-Lock
7	323-9	3	Screw-HH
8	108-1825	1	HYD Manifold ASM
9	340-7	7	Fitting-Straight
9:1	237-65	1	O-Ring
9:2	237-80	1	O-Ring
10	59-7410	2	Fitting-Diagnostic
10:1	237-42	1	O-Ring
11	354-79	2	Cap-Dust
12	106-3662	4	Hose-HYD

Ref.	Part Number	Qty.	Description
13	108-7626	1	Tube ASM
13:1	237-65	1	O-Ring
14	108-7625	1	Tube ASM
14:1	237-65	1	O-Ring
15	108-7624	1	Tube ASM
15:1	237-65	1	O-Ring
16	56-7971	2	Clamp-Tube
17	94-5780	1	Screw-HWH
18	3290-378	1	Tie-Cable
19	104-8300	1	Nut-HF, NI
20	340-14	4	Fitting-HYD, 45 DEG
20:1	237-65	1	O-Ring
20:2	237-80	1	O-Ring
21	340-74	3	Nut-Lock, Bulkhead
22	108-7645	1	Hose-HYD

THOROUGHLY PACK THIS
BEARING WITH SPECIAL
GREASE SUPPLIED IN KIT



ASSEMBLE WITH WEDGE
SIDE DOWN INTO COMMUTATOR FACE

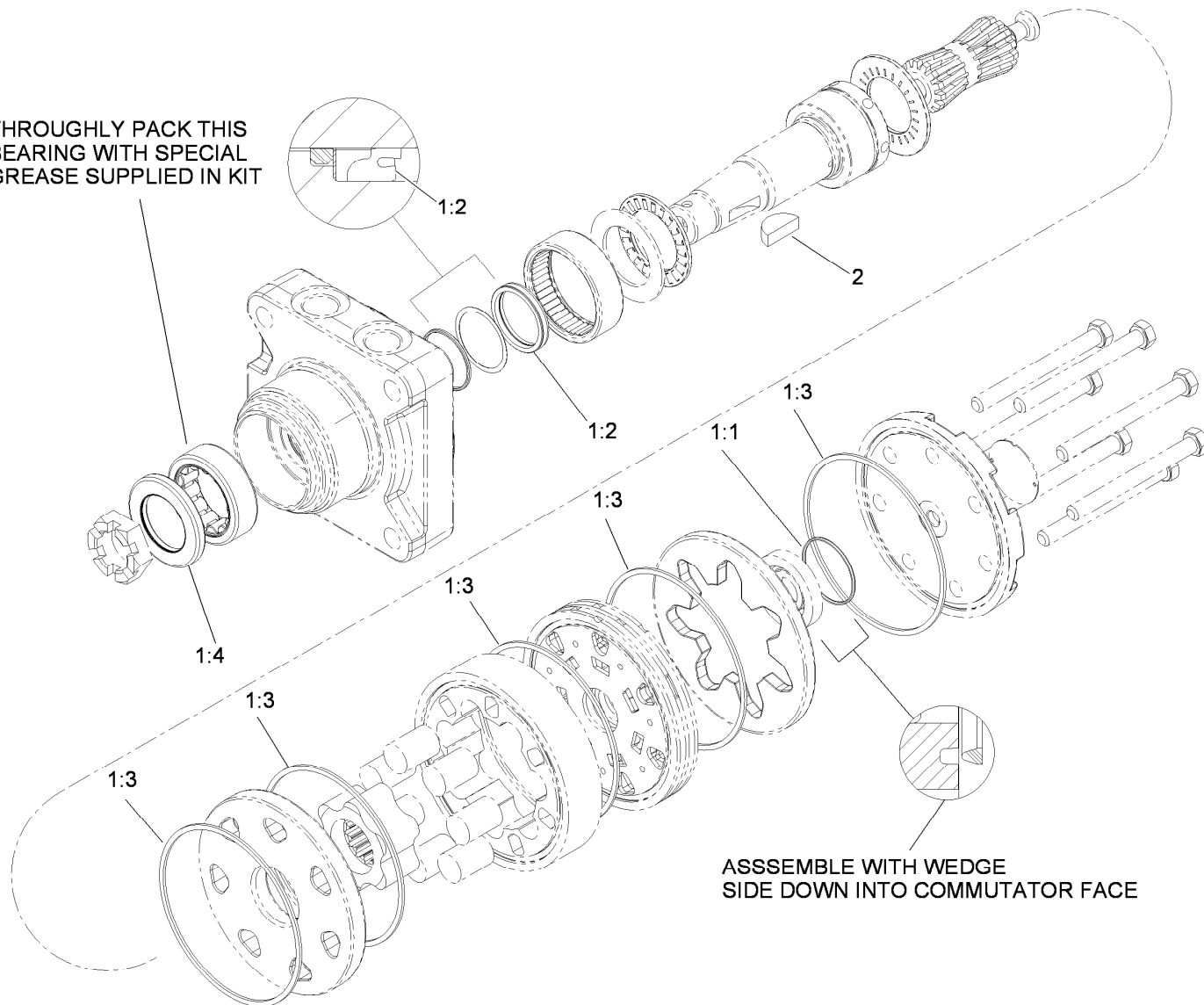
Hydraulic Motor Assembly No. 107-4544

Ref.	Part Number	Qty.	Description
1	110-8897	1	Seal Kit ●
1:1		1	Seal-Commutator, Vespel ■
1:2		1	Seal-Shaft ■
1:3		5	Seal-Body, Buna ■
1:4		1	Seal-Dirt / Water ■
2	3257-42	1	Key-Woodruff

● Not illustrated

■ Not serviced separately

THOROUGHLY PACK THIS
BEARING WITH SPECIAL
GREASE SUPPLIED IN KIT

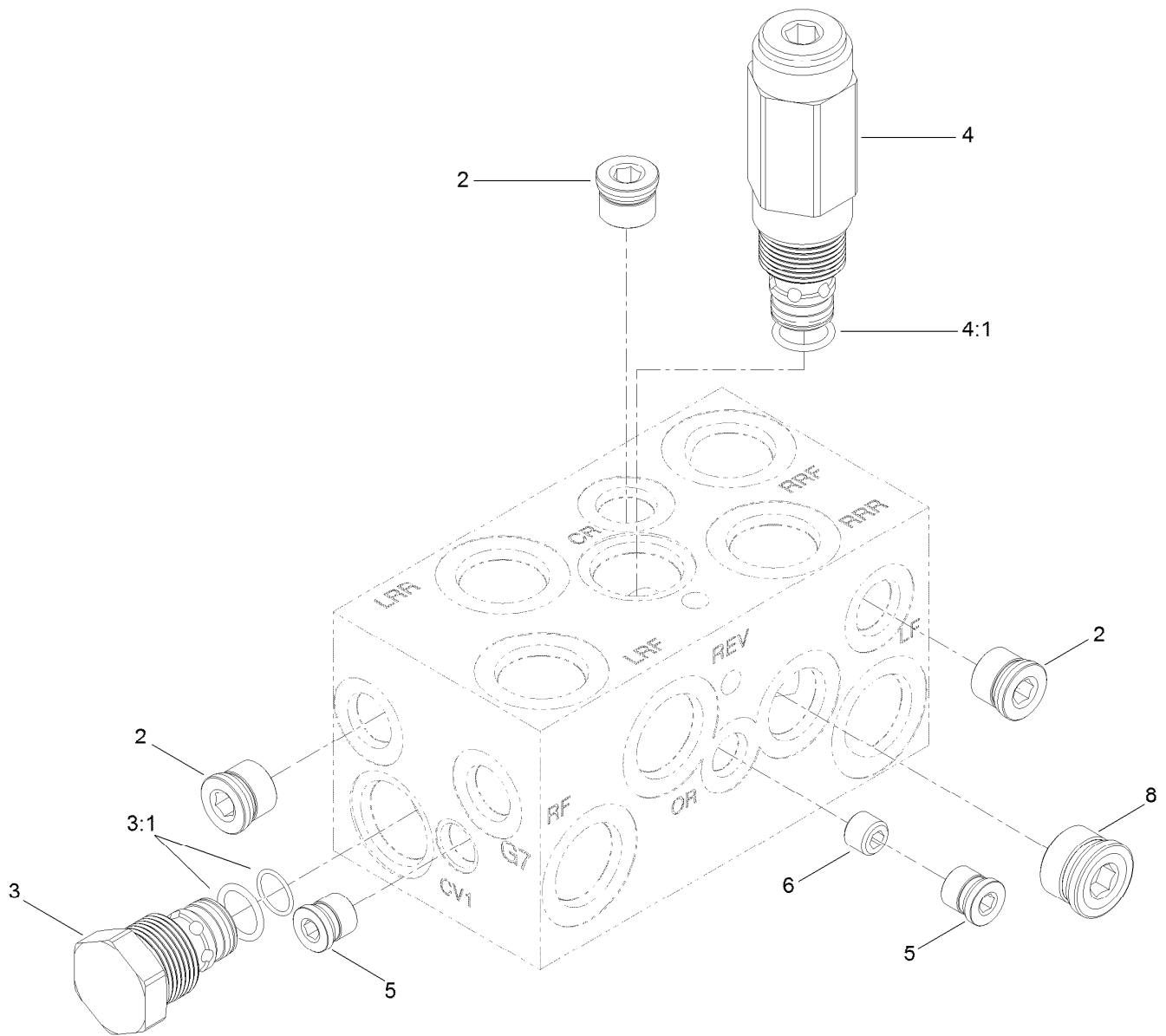


Hydraulic Motor Assembly No. 110-0901

Ref.	Part Number	Qty.	Description
1	110-8897	1	Seal Kit ●
1:1		1	Seal-Commutator, Vespel ■
1:2		1	Seal-Shaft ■
1:3		5	Seal-Body, Buna ■
1:4		1	Seal-Dirt / Water ■
2	3257-42	1	Key-Woodruff

● Not illustrated

■ Not serviced separately

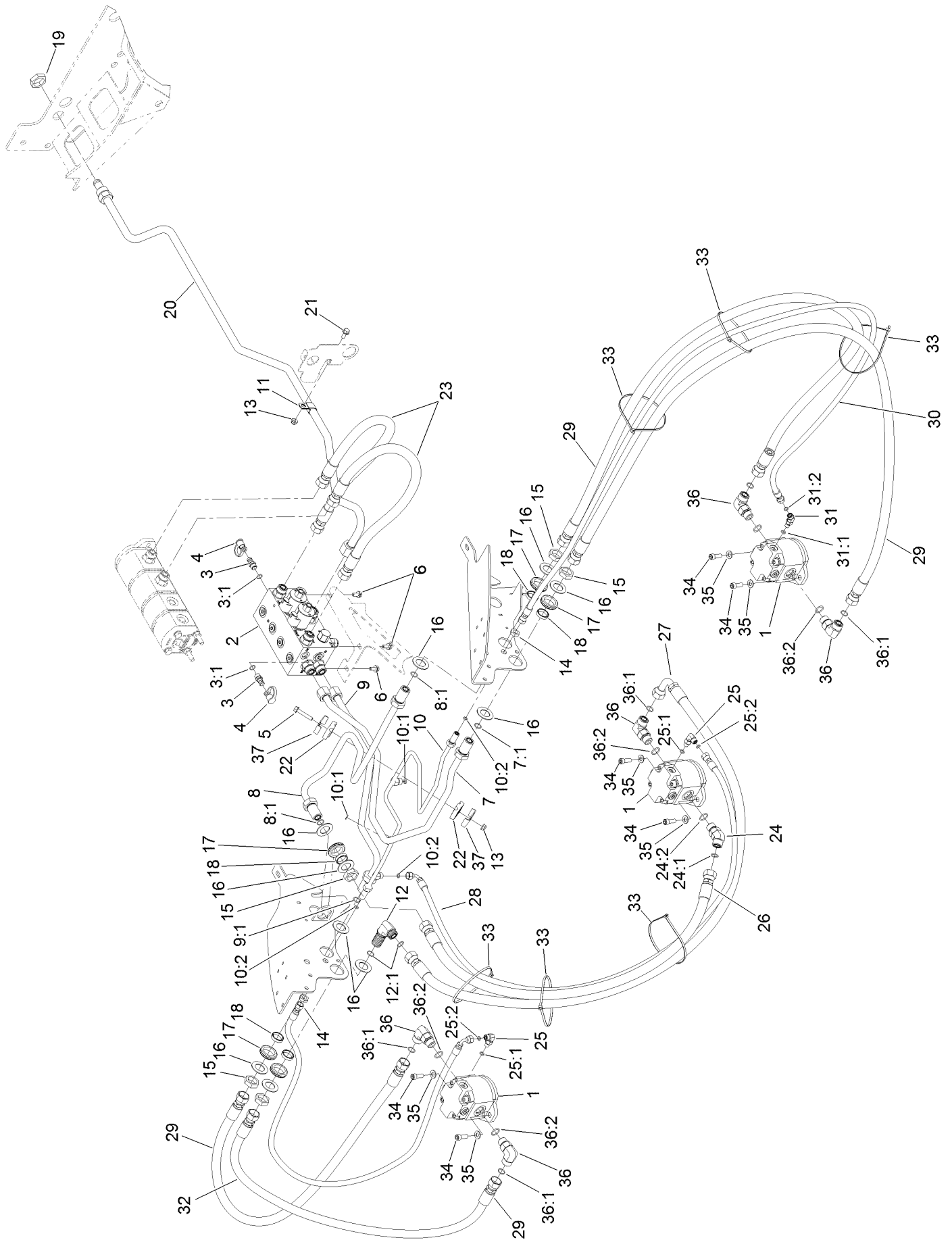


Four Wheel Drive Manifold Assembly No. 108-1825

Ref.	Part Number	Qty.	Description
2	106-1026	3	Plug-HYD
3	110-8881	2	Valve-Check
3:1	105-9159	1	Seal Kit ●
4	110-8882	1	Valve-Relief, Cross Over
4:1	110-6316	1	Seal Kit
5	106-1025	2	Plug-HYD
6	110-8883	1	Plug-Orifice (0.040)
8	106-1027	1	Plug

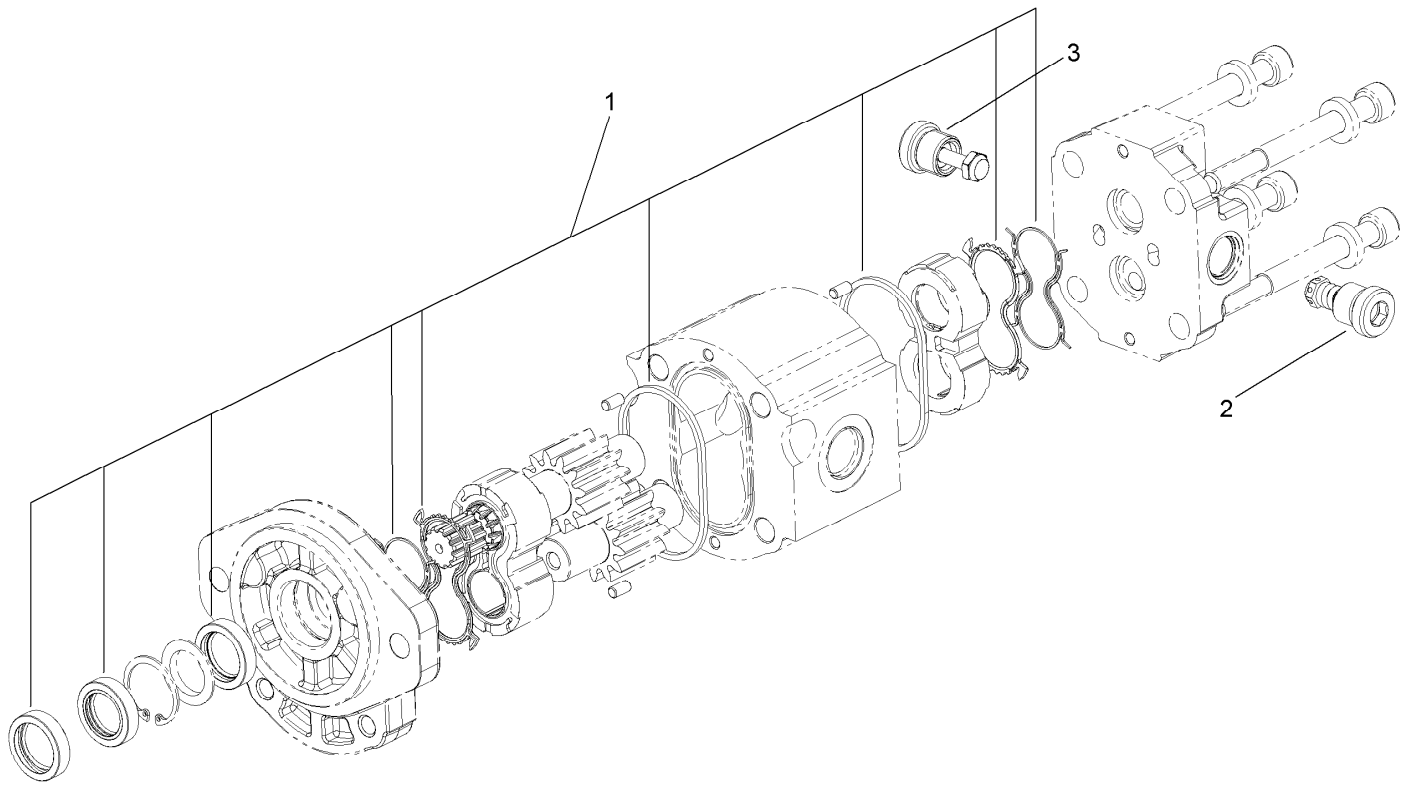
● Not illustrated

Front Deck Hydraulic Assembly



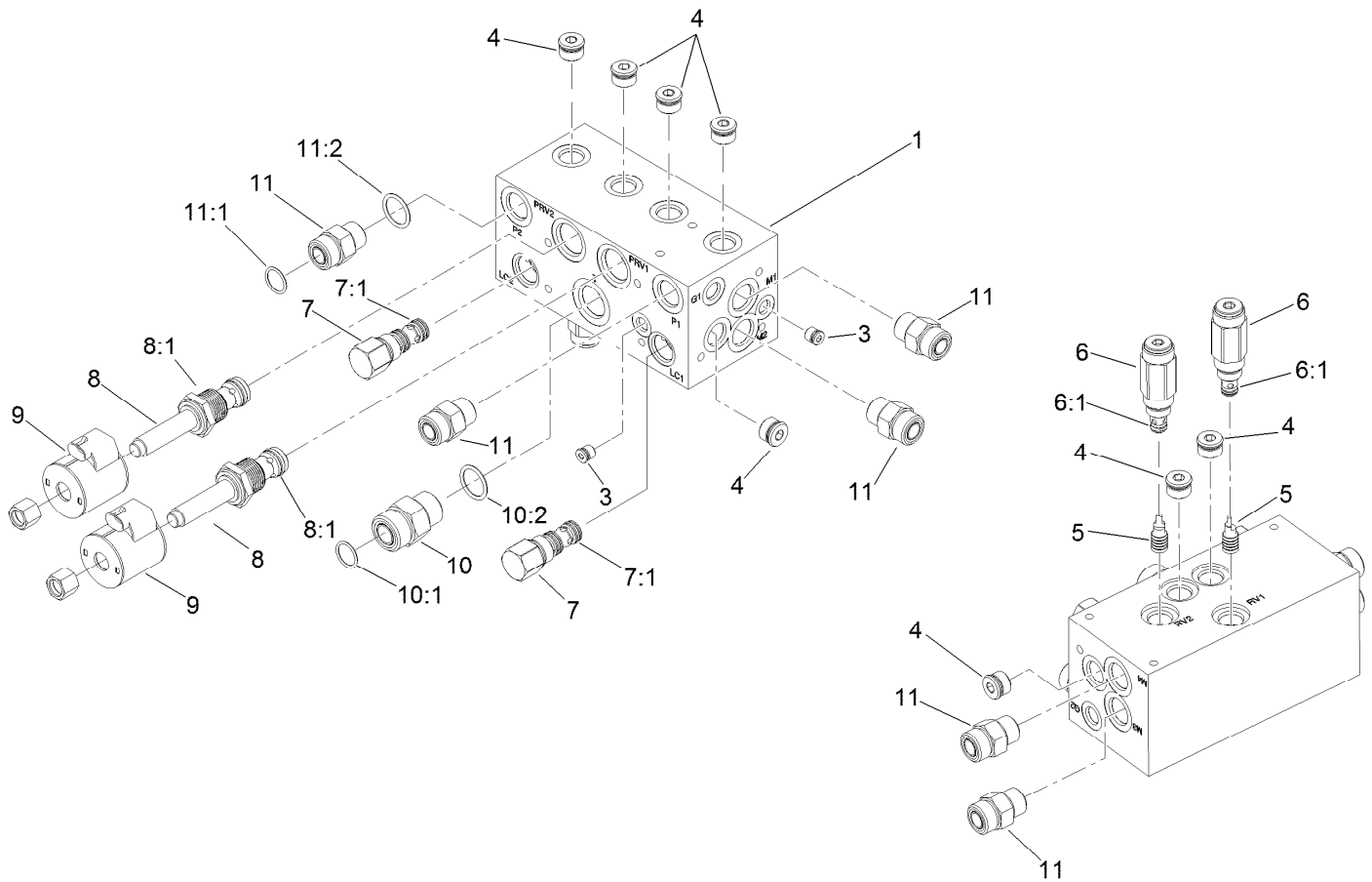
Front Deck Hydraulic Assembly (continued)

<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>
1	108-4004	3	Gear Motor ASM	20	108-1700	1	Tube ASM
2	114-0359	1	Deck Control Manifold ASM	21	3234-5	1	Screw-HHF
3	59-7410	2	Fitting-Diagnostic	22	56-7970	2	Clamp-Tube
3:1	237-42	1	O-Ring	23	108-1686	2	Hose-HYD
4	354-79	2	Cap-Dust	24	340-14	1	Fitting-HYD, 45 DEG
5	94-5780	1	Screw-HWH	24:1	237-65	1	O-Ring
6	3234-14	3	Screw-HHF	24:2	237-80	1	O-Ring
7	117-0138	1	Tube ASM	25	340-132	2	Fitting-Elbow, 90 DEG
7:1	237-65	1	O-Ring	25:1	237-78	1	O-Ring
8	117-0137	1	Tube ASM	25:2	237-21	1	O-Ring
8:1	237-65	2	O-Ring	26	117-0213	1	HYD Hose ASM
9	117-0139	1	Tube ASM	27	117-0211	1	HYD Hose ASM
9:1	237-65	1	O-Ring	28	117-0212	1	HYD Hose ASM
10	110-5286	1	Tube ASM	29	117-0299	4	HYD Hose ASM
10:1	237-22	2	O-Ring	30	104-9323	1	Hose-HYD
10:2	237-21	3	O-Ring	31	340-103	1	Fitting-HYD, 45 DEG
11	2412-4	1	Clamp-R	31:1	237-78	1	O-Ring
12	340-72	1	Fitting-Bulkhead, 90 DEG	31:2	237-21	1	O-Ring
12:1	237-65	2	O-Ring	32	92-7638	1	Hose ASM
13	104-8300	2	Nut-HF, NI	33	3334-945	9	Tie-Cable
14	340-78	2	Nut-Lock	34	3274-7	6	Screw-HSH
15	340-74	5	Nut-Lock, Bulkhead	35	3256-24	6	Washer-Flat
16	69-9010	10	Washer	36	340-17	5	Fitting-Elbow, 90 DEG
17	240-3	5	Grommet-Rubber	36:1	237-65	1	O-Ring
18	125-1984	5	Spacer	36:2	237-80	1	O-Ring
19	340-126	1	Nut-Bulkhead	37	119-1419	2	Plate-Clamp



Gear Motor Assembly No. 108-4004

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	117-0235	1	Seal Kit
2	107-7820	1	Valve-Relief
3	107-7821	1	Valve-Anticavitation

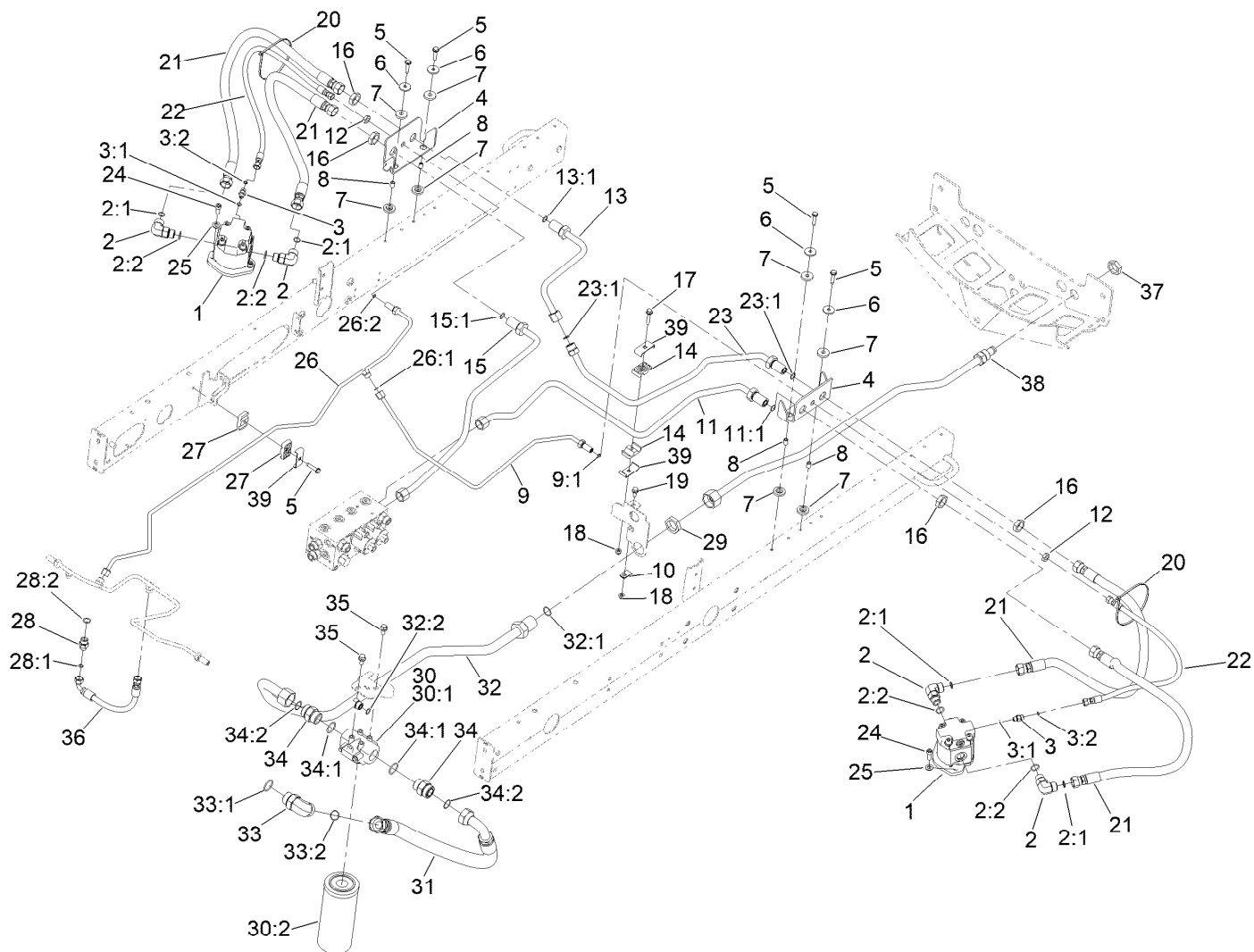


Deck Control Manifold Assembly No. 114-0359

Ref.	Part Number	Qty.	Description
1		1	Hydraulic Manifold ●
3	106-1025	2	Plug-HYD
4	106-1027	8	Plug
5	105-9157	2	Piston-Pilot
6	112-5259	2	Valve-Relief
6:1	105-9156	1	Seal Kit
7	105-9153	2	Element-Logic, Vented
7:1	119-2159	1	Seal Kit
8	117-0229	2	Valve-Relief, Proportional

Ref.	Part Number	Qty.	Description
8:1	117-1114	1	Seal Kit
9	110-6344	2	Coil-12V, DC
10	340-9	1	Fitting-STR
10:1	237-58	1	O-Ring
10:2	237-81	1	O-Ring
11	340-7	2	Fitting-Straight
11:1	237-65	1	O-Ring
11:2	237-80	1	O-Ring

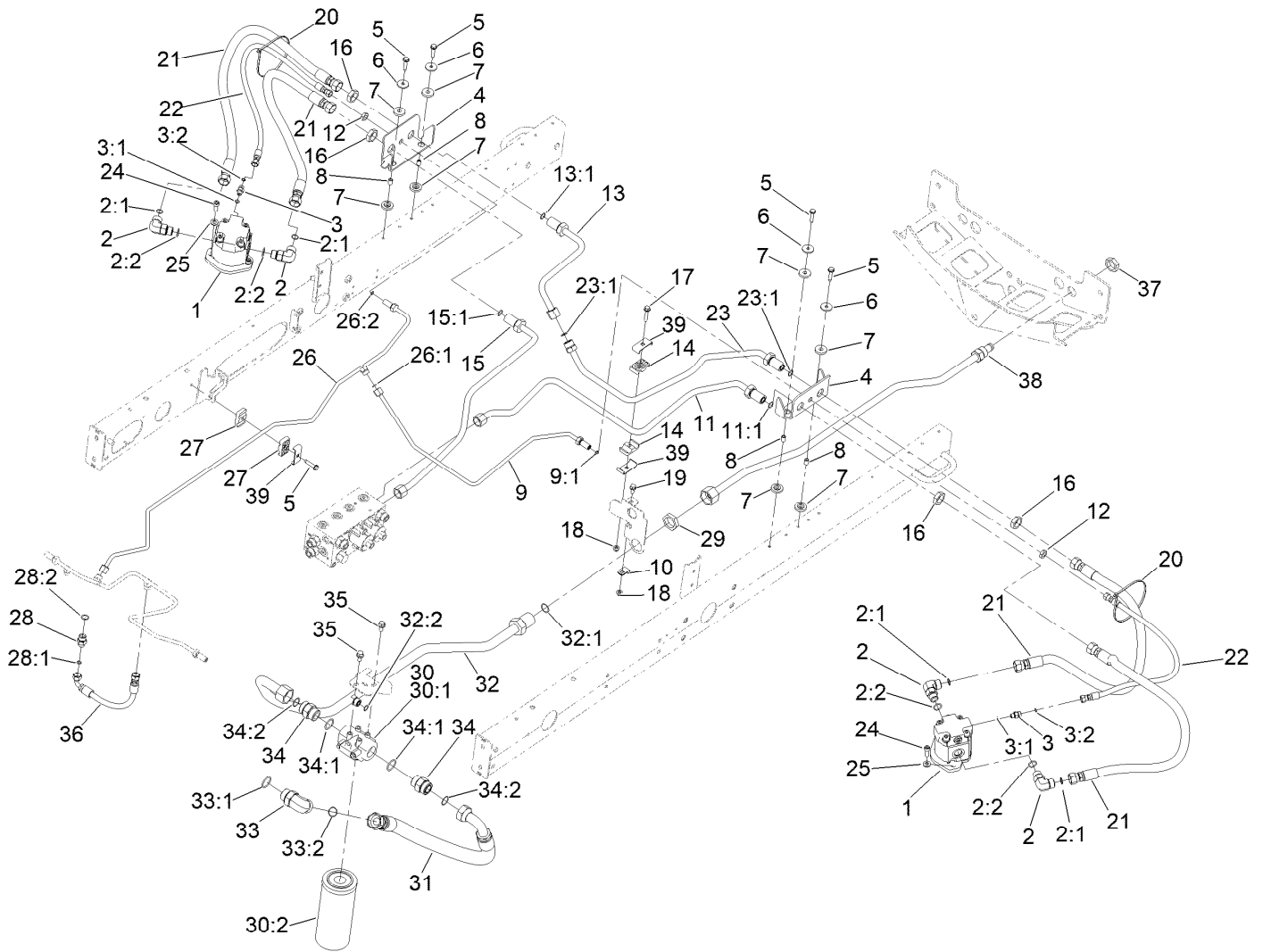
● Not serviced separately



Rear Deck Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	108-4004	2	Gear Motor ASM
2	340-17	4	Fitting-Elbow, 90 DEG
2:1	237-65	1	O-Ring
2:2	237-80	1	O-Ring
3	340-92	2	Fitting-Straight
3:1	237-78	1	O-Ring
3:2	237-21	1	O-Ring
4	117-0174-03	2	Bracket-Bulkhead
5	32144-57	5	Screw
6	105-3048	4	Washer-Flat
7	240-11	8	Bushing-Flange
8	99-8611	4	Spacer
9	114-8887	1	Tube ASM
9:1	237-21	1	O-Ring
10	2412-113	1	Clamp-R
11	117-0142	1	Tube ASM
11:1	237-65	1	O-Ring
12	340-78	2	Nut-Lock
13	117-0140	1	Tube ASM
13:1	237-65	1	O-Ring
14	56-7971	2	Clamp-Tube

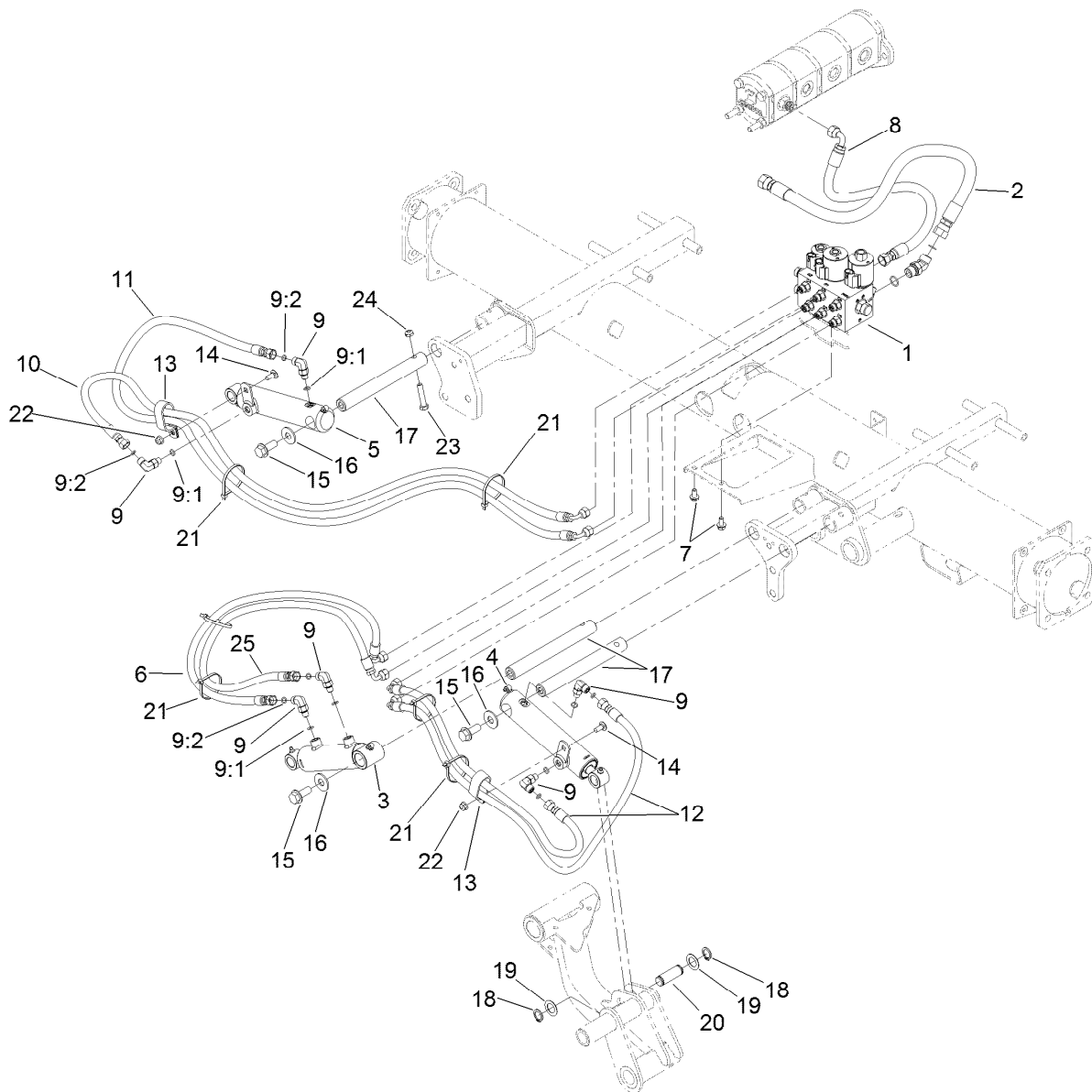
Ref.	Part Number	Qty.	Description
15	117-0141	1	Tube ASM
15:1	237-65	1	O-Ring
16	340-74	4	Nut-Lock, Bulkhead
17	94-5780	1	Screw-HWH
18	104-8300	2	Nut-HF, NI
19	3234-5	1	Screw-HHF
20	3334-945	6	Tie-Cable
21	105-1215	4	Hose-HYD
22	108-6507	2	Hose-HYD
23	117-0177	1	Tube ASM
23:1	237-65	2	O-Ring
24	3274-7	4	Screw-HSH
25	3256-24	4	Washer-Flat
26	114-8888	1	Tube ASM
26:1	237-22	1	O-Ring
26:2	237-21	1	O-Ring
27	56-7972	2	Clamp-Tube
28	340-3	1	Fitting-Straight
28:1	237-22	1	O-Ring
28:2	237-79	1	O-Ring
29	340-128	1	Nut-Bulkhead



Rear Deck Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
30	98-3923	1	Oil Filter ASM
30:1	104-0080	1	Filter Head ASM
30:2	94-2621	1	Element-Filter
31	108-1689	1	Hose-HYD
32	108-1699	1	Tube ASM
32:1	340-65	1	O-Ring
32:2	237-30	1	O-Ring
33	340-129	1	Fitting-Elbow, 90 DEG
33:1	237-146	1	O-Ring

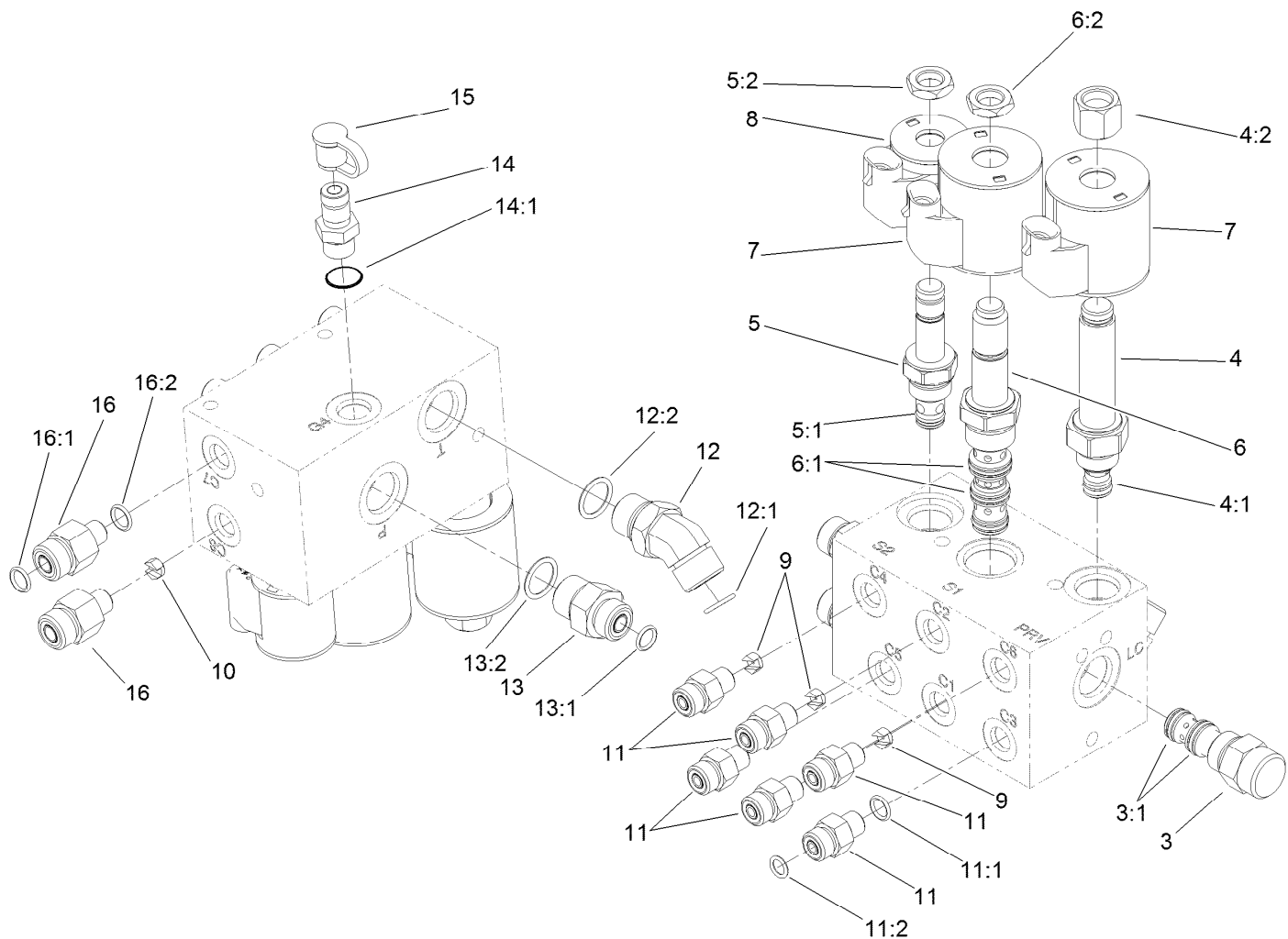
Ref.	Part Number	Qty.	Description
33:2	340-65	1	O-Ring
34	104-3797	2	Fitting-Straight
34:1	237-146	1	O-Ring
34:2	340-65	1	O-Ring
35	3234-1	2	Screw-HHF
36	66-8490	1	Hose-HYD
37	340-126	1	Nut-Bulkhead
38	108-1691	1	Tube ASM
39	119-1419	3	Plate-Clamp



Deck No. 1, 4 and 5 Lift Circuit Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	117-0158	1	Lift Control Manifold ASM
2	117-0180	1	Hose-HYD
3	119-6989	1	HYD Cylinder ASM
4	119-6990	1	HYD Cylinder ASM
5	119-6991	1	HYD Cylinder ASM
6	117-0253	1	Hose-HYD
7	3234-14	2	Screw-HHF
8	92-5694	1	Hose-Hydraulic
9	340-132	6	Fitting-Elbow, 90 DEG
9:1	237-78	1	O-Ring
9:2	237-21	1	O-Ring
10	117-0262	1	Hose-HYD
11	117-0261	1	Hose-HYD
12	85-4940	2	Hose-HYD

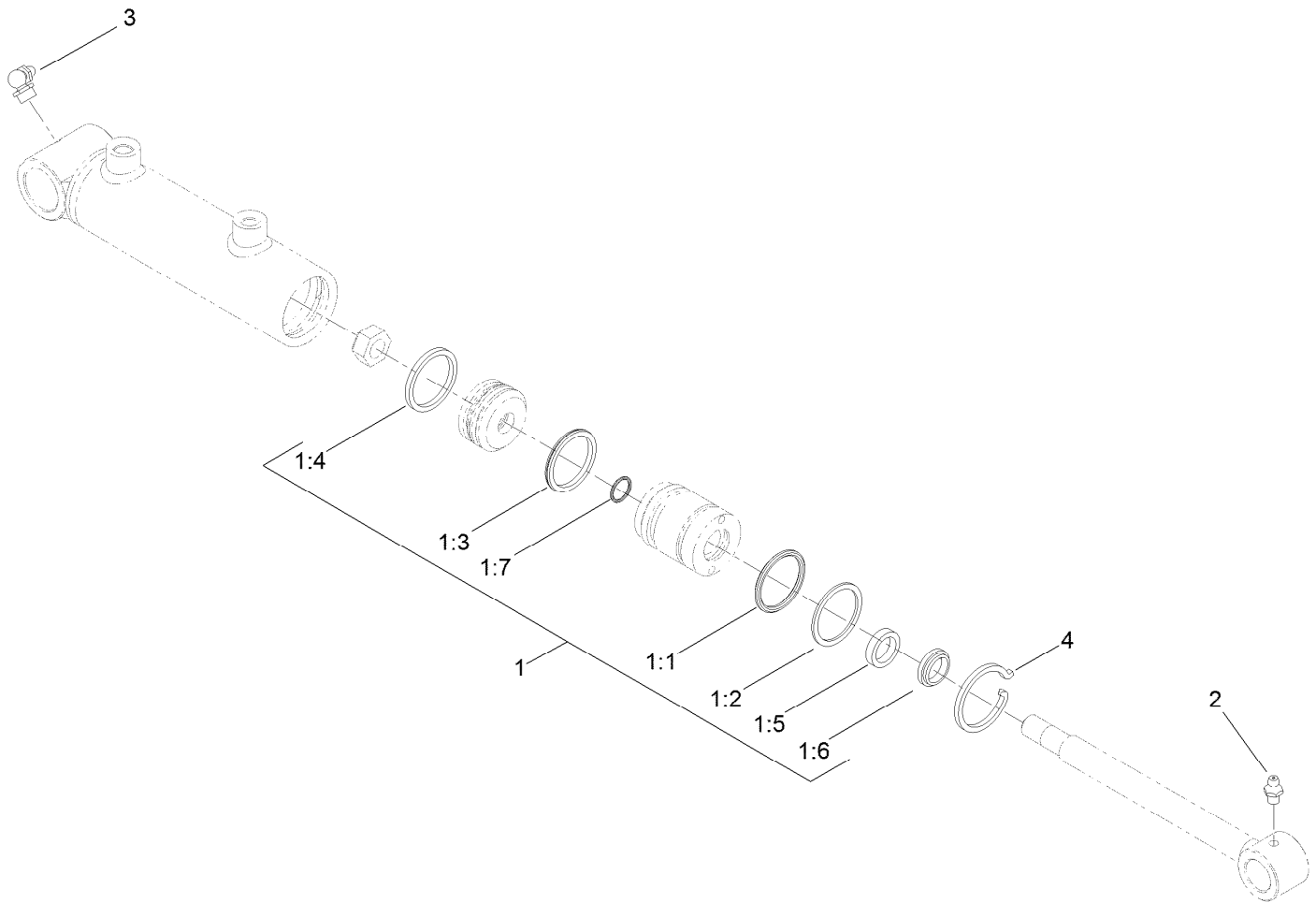
Ref.	Part Number	Qty.	Description
13	2412-137	2	Clamp-R, Double
14	3230-23	2	Bolt-CARR
15	3234-38	3	Screw-HHF
16	3256-6	3	Washer-Flat
17	117-0148	3	Pin-Cylinder
18	32120-93	6	Ring-Retaining
19	3-6498	6	Washer-Thrust
20	104-0046	3	Pin-Slide, Cylinder
21	3290-379	6	Tie-Cable
22	104-8300	2	Nut-HF, NI
23	323-9	3	Screw-HH
24	3296-59	3	Nut-Lock, NI
25	117-0254	1	HP HYD Hose ASM



Lift Control Manifold Assembly No. 117-0158

Ref.	Part Number	Qty.	Description
3	117-0228	1	Element-Directional, Pilot
3:1	115-5413	1	Seal Kit
4	117-0227	1	Valve-Relief, Proportional
4:1	105-9156	1	Seal Kit
4:2	119-2160	1	Nut-Coil
5	107-7516	1	Solenoid Valve ASM
5:1	105-9156	1	Seal Kit
5:2	110-2634	1	Nut-Coil
6	110-8906	1	Valve-Solenoid
6:1	110-8908	1	Spool Valve Seal Kit
6:2	110-2634	1	Nut-Coil
7	110-6344	2	Coil-12V, DC
8	110-0497	1	Coil-Solenoid
9	110-8902	3	Orifice-Control, Flow (0.046)
10	114-4682	1	Orifice-Flow Control (.030)
11	340-92	6	Fitting-Straight

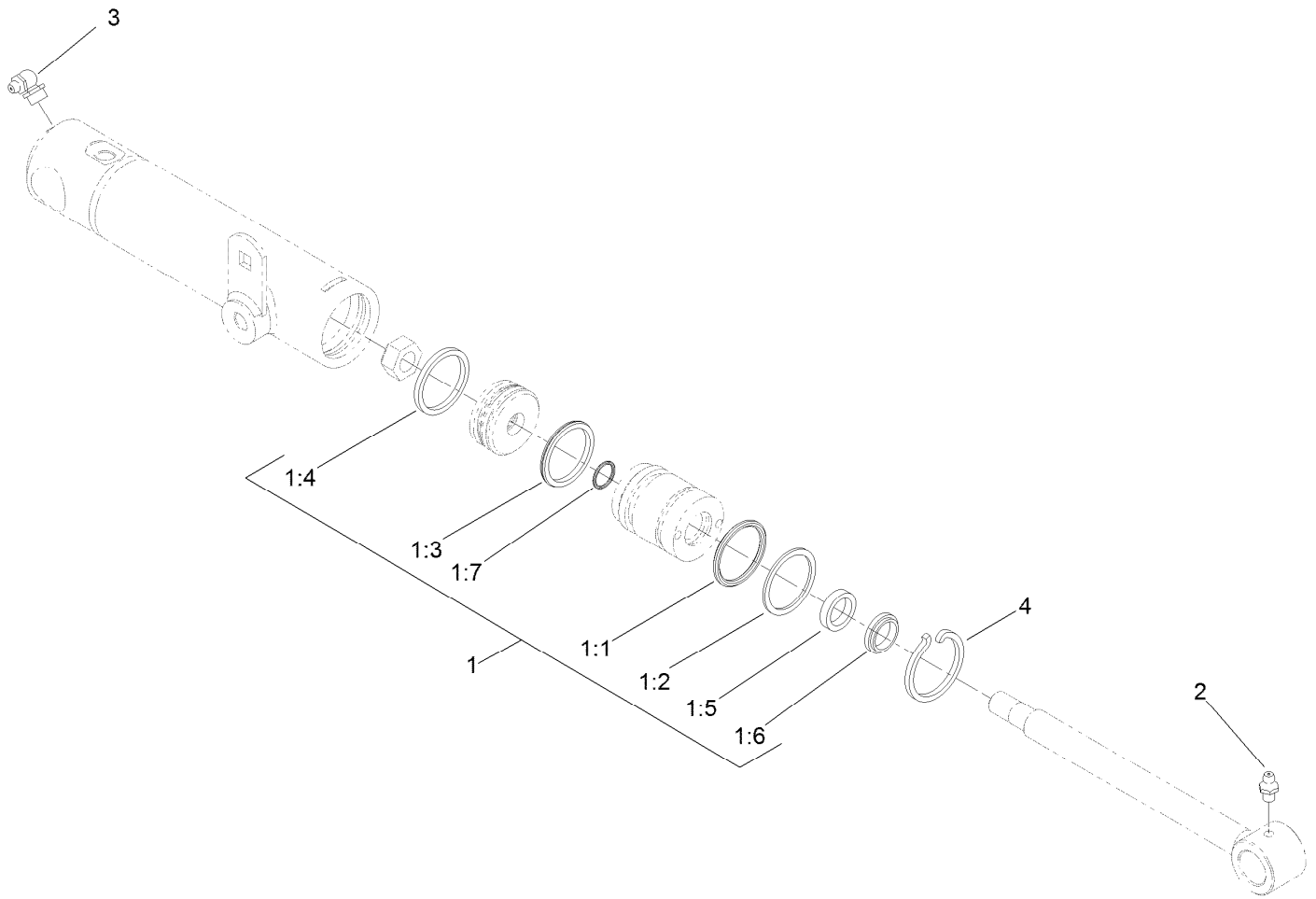
Ref.	Part Number	Qty.	Description
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	340-101	1	Fitting-HYD, 45 DEG
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	340-3	1	Fitting-Straight
13:1	237-22	1	O-Ring
13:2	237-79	1	O-Ring
14	59-7410	1	Fitting-Diagnostic
14:1	237-42	1	O-Ring
15	354-79	1	Cap-Dust
16	340-88	2	Fitting-Straight
16:1	237-22	1	O-Ring
16:2	237-78	1	O-Ring



Hydraulic Cylinder Assembly No. 119-6989

Ref.	Part Number	Qty.	Description
1	119-6992	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Bp Seal ●
1:4		1	Wear Ring-Ht ●
1:5		1	Bs Seal ●
1:6		1	Dust Seal-Dt ●
1:7		1	O-Ring ●
2	302-5	1	Fitting-Grease
3	302-33	1	Fitting-Grease
4	84-1680	1	Ring-Retaining

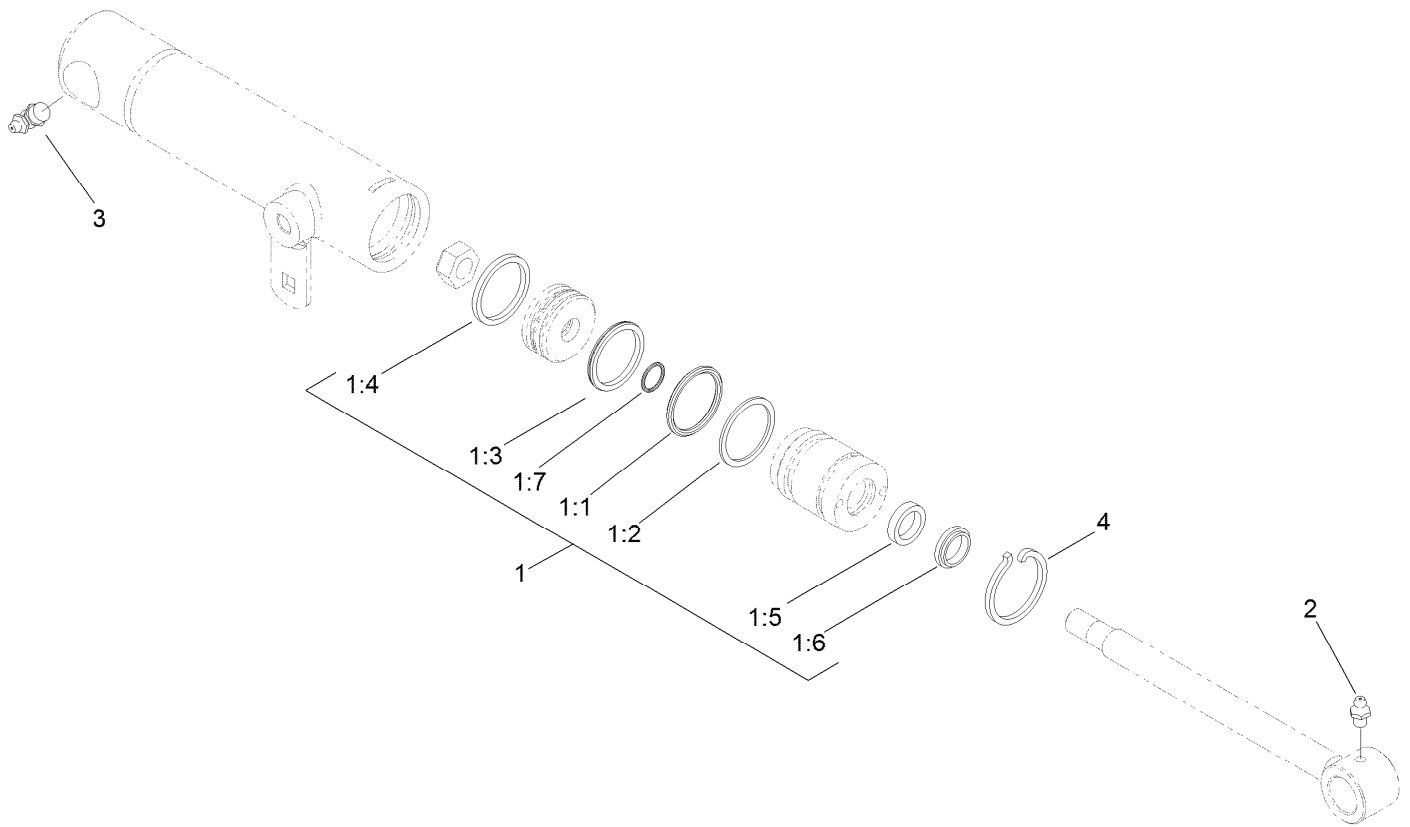
● Not serviced separately



Hydraulic Cylinder Assembly No. 119-6990

Ref.	Part Number	Qty.	Description
1	119-6992	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Bp Seal ●
1:4		1	Wear Ring-Ht ●
1:5		1	Bs Seal ●
1:6		1	Dust Seal-Dt ●
1:7		1	O-Ring ●
2	302-5	1	Fitting-Grease
3	302-33	1	Fitting-Grease
4	84-1680	1	Ring-Retaining

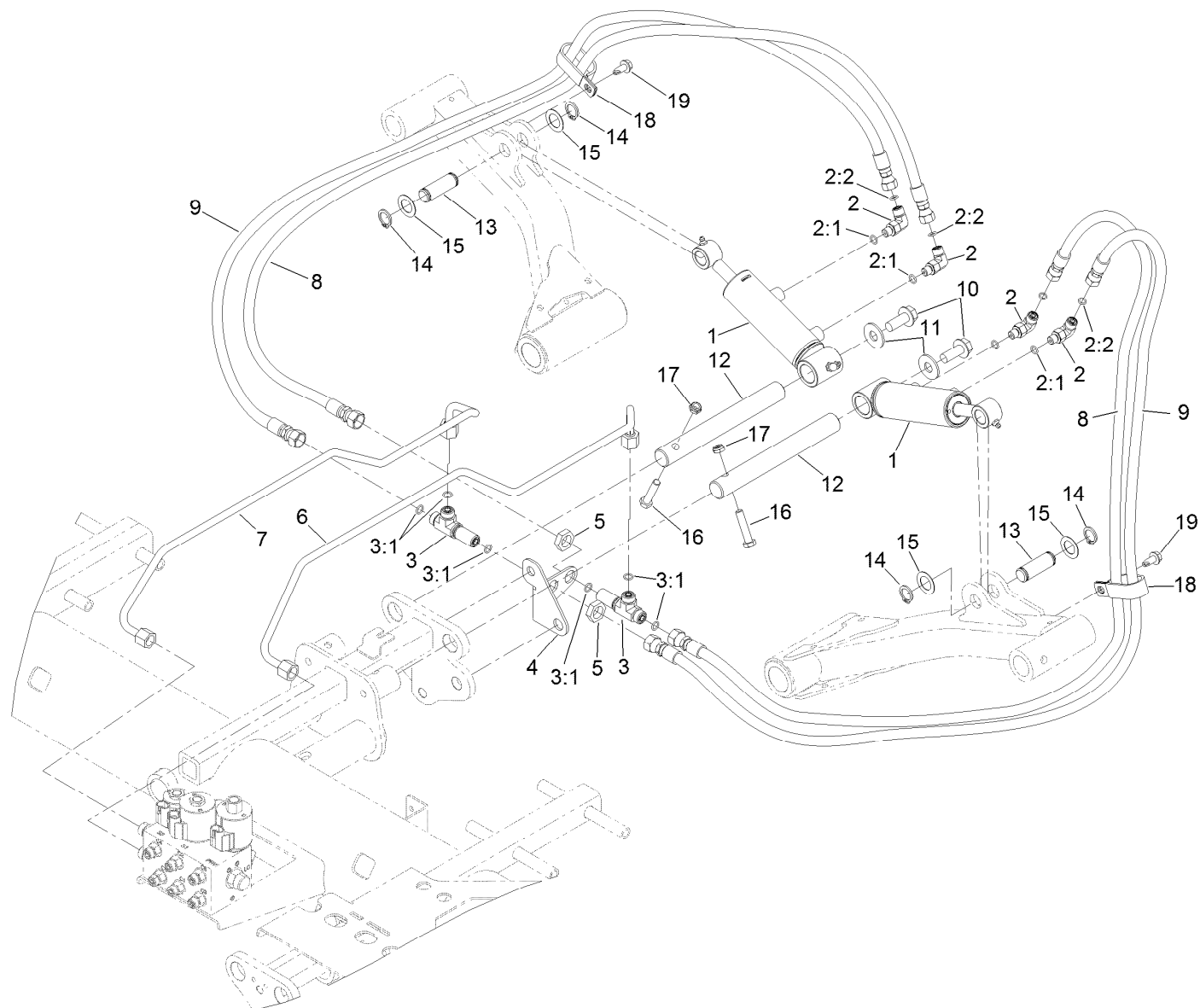
● Not serviced separately



Hydraulic Cylinder Assembly No. 119-6991

Ref.	Part Number	Qty.	Description
1	119-6992	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Bp Seal ●
1:4		1	Wear Ring-Ht ●
1:5		1	Bs Seal ●
1:6		1	Dust Seal-Dt ●
1:7		1	O-Ring ●
2	302-5	1	Fitting-Grease
3	302-33	1	Fitting-Grease
4	84-1680	1	Ring-Retaining

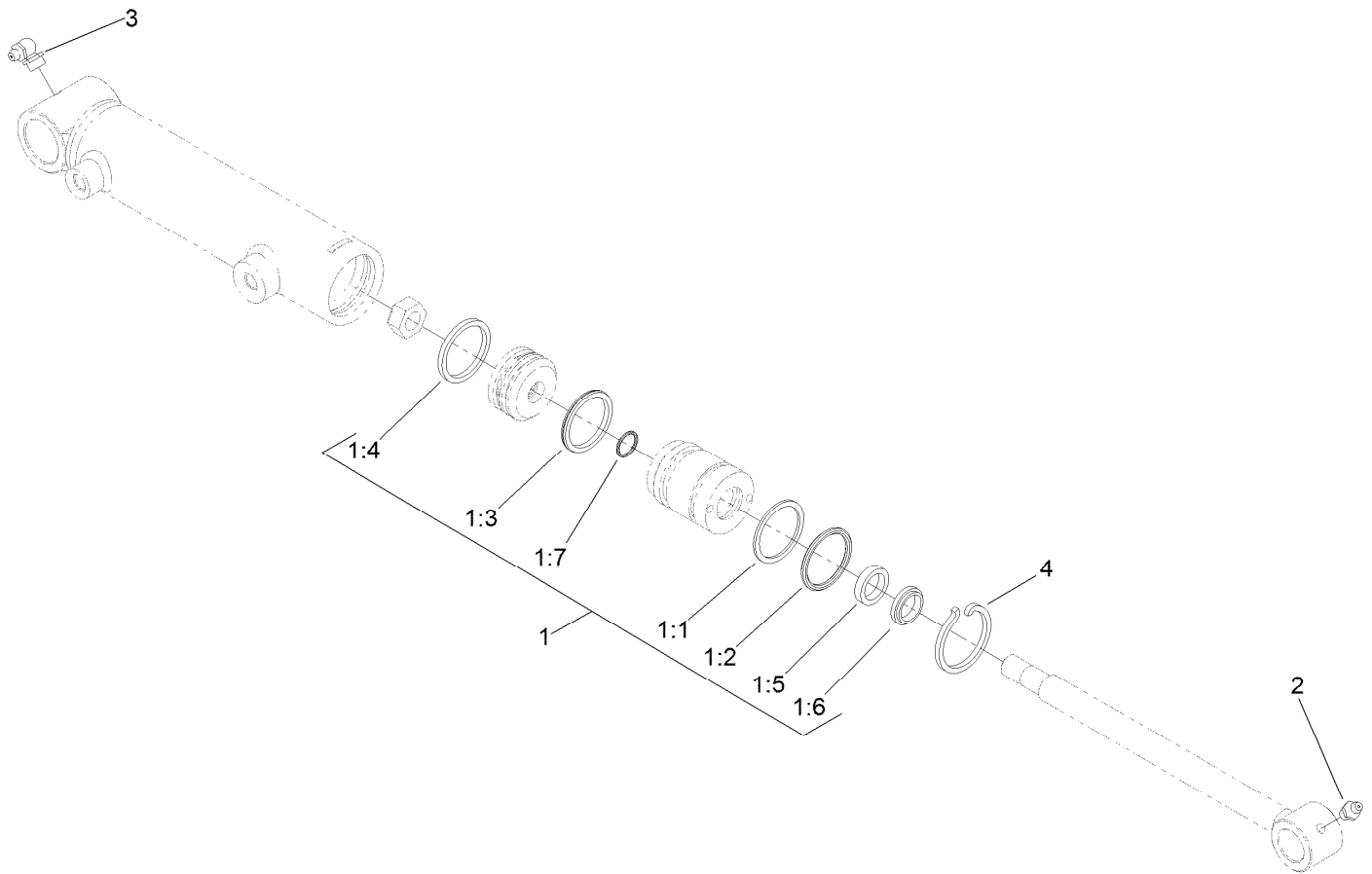
● Not serviced separately



Deck No. 2 and 3 Lift Circuit Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	119-6988	2	HYD Cylinder ASM
2	340-132	4	Fitting-Elbow, 90 DEG
2:1	237-78	1	O-Ring
2:2	237-21	1	O-Ring
3	340-68	2	Fitting-Tee, Bulkhead
3:1	237-22	3	O-Ring
4	117-0179	1	Bracket-Bulkhead
5	340-70	2	Nut-Lock
6	117-0175	1	Tube-HYD
7	117-0176	1	Tube-HYD
8	105-5402	2	Hose-HYD

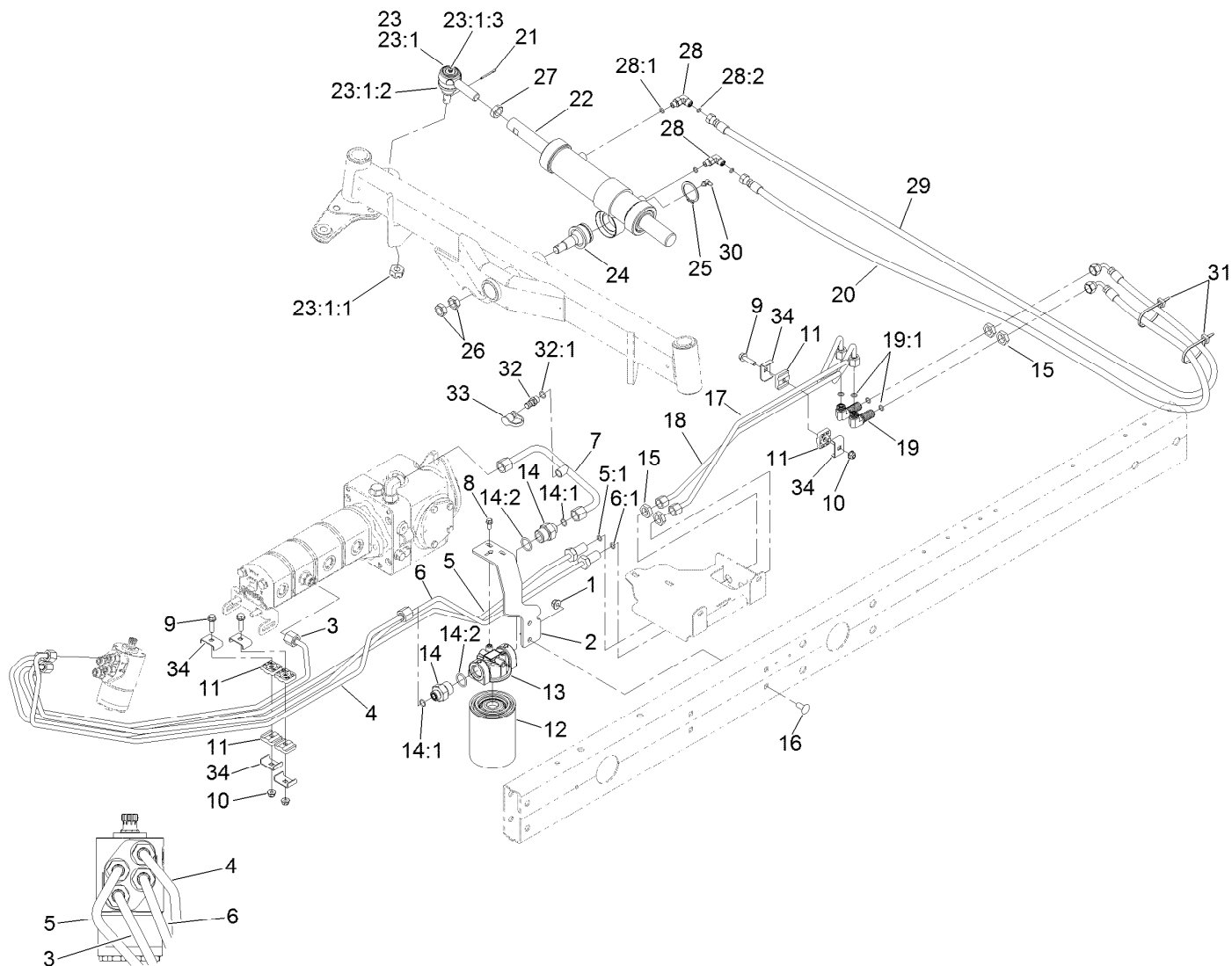
Ref.	Part Number	Qty.	Description
9	105-5405	2	Hose-HYD
10	3234-38	2	Screw-HHF
11	3256-6	2	Washer-Flat
12	117-0148	2	Pin-Cylinder
13	104-0046	2	Pin-Slide, Cylinder
14	32120-93	4	Ring-Retaining
15	3-6498	4	Washer-Thrust
16	323-9	2	Screw-HH
17	3296-59	2	Nut-Lock, NI
18	2412-137	2	Clamp-R, Double
19	32104-32	2	Screw-HWH



Hydraulic Cylinder Assembly No. 119-6988

Ref.	Part Number	Qty.	Description
1	119-6992	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Bp Seal ●
1:4		1	Wear Ring-Ht ●
1:5		1	Bs Seal ●
1:6		1	Dust Seal-Dt ●
1:7		1	O-Ring ●
2	302-5	1	Fitting-Grease
3	302-33	1	Fitting-Grease
4	84-1680	1	Ring-Retaining

● Not serviced separately

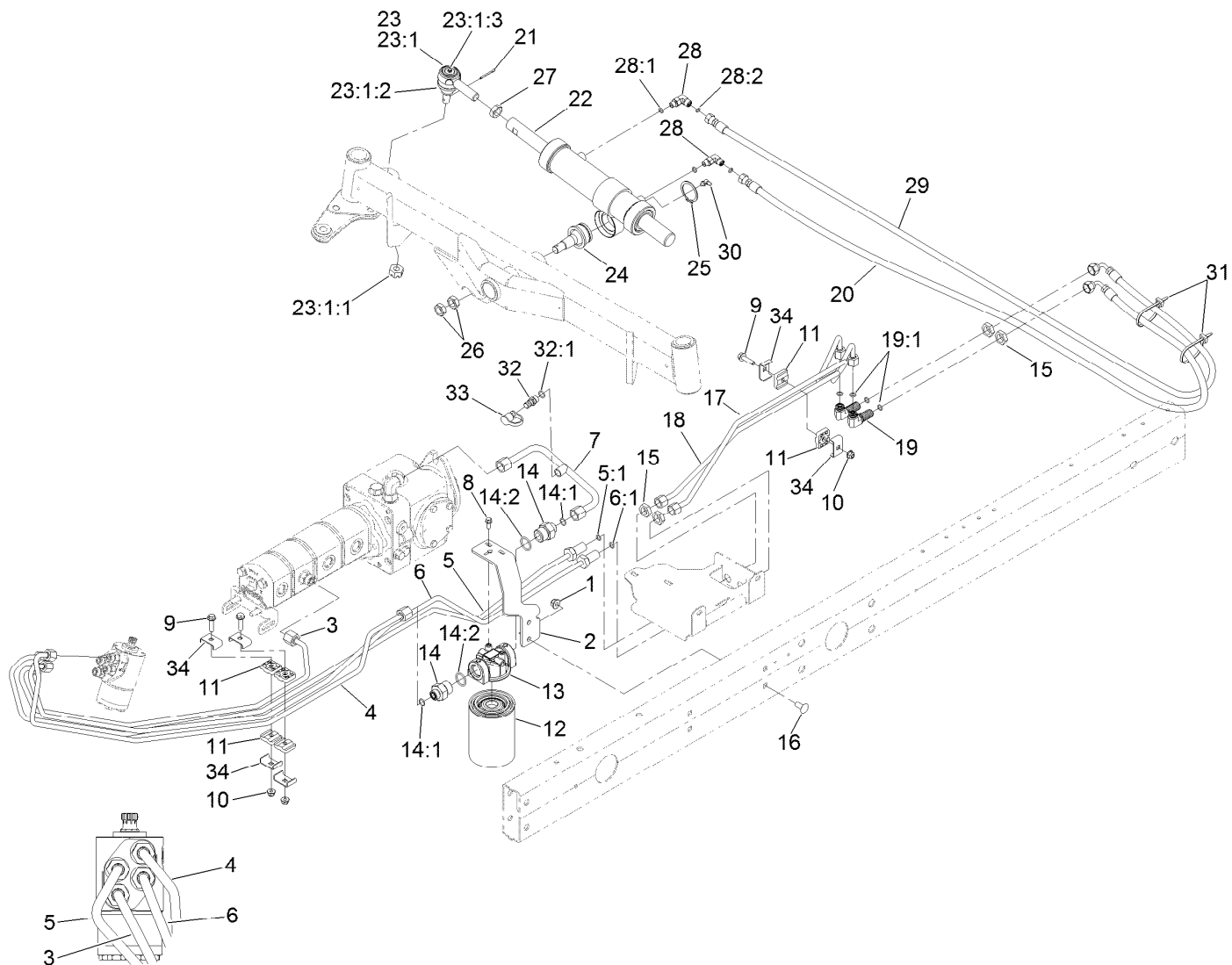


STEERING VALVE
TUBE CONNECTIONS

Steering Hydraulic Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	104-8301	2	Nut-HF, NI	15	340-70	4	Nut-Lock
2	110-0906-01	1	Support-Filter, Oil	16	3231-27	2	Screw-CARR
3	117-0167	1	Tube-HYD	17	110-9019	1	Tube-HYD
4	108-1711	1	Tube-HYD	18	110-9020	1	Tube-HYD
5	108-1712	1	Tube ASM	19	340-154	2	Union-Bulkhead
5:1	237-22	1	O-Ring	19:1	237-22	2	O-Ring
6	108-1713	1	Tube ASM	20	110-0928	1	Hose-HYD
6:1	237-22	1	O-Ring	21	3272-12	1	Pin-Cotter
7	121-5601	1	Tube-HYD	22	114-0403	1	HYD Steering Cylinder ASM
8	3234-33	2	Screw-HHF	23	71-4740-03	1	RH Tie Rod End ASM
9	3234-36	3	Screw-HHF	23:1		1	End-Rod, Tie (RH) ●
10	104-8300	3	Nut-HF, NI	23:1:1	105-7941	1	Nut-Hex, Slotted
11	56-7973	6	Clamp-Tube	23:1:2	105-7835	1	Seal
12	86-3010	1	Filter-Oil	23:1:3	302-5	1	Fitting-Grease
13	117-5820	1	Head-Filter	24	106-6774	1	Joint-Ball
14	100-4240	2	Fitting-STR	25	32151-104	1	Ring-Retaining, External
14:1	237-30	1	O-Ring	26	3220-6	2	Nut-Jam
14:2	237-81	1	O-Ring	27	84-5300	1	Nut-Jam

● Not serviced separately

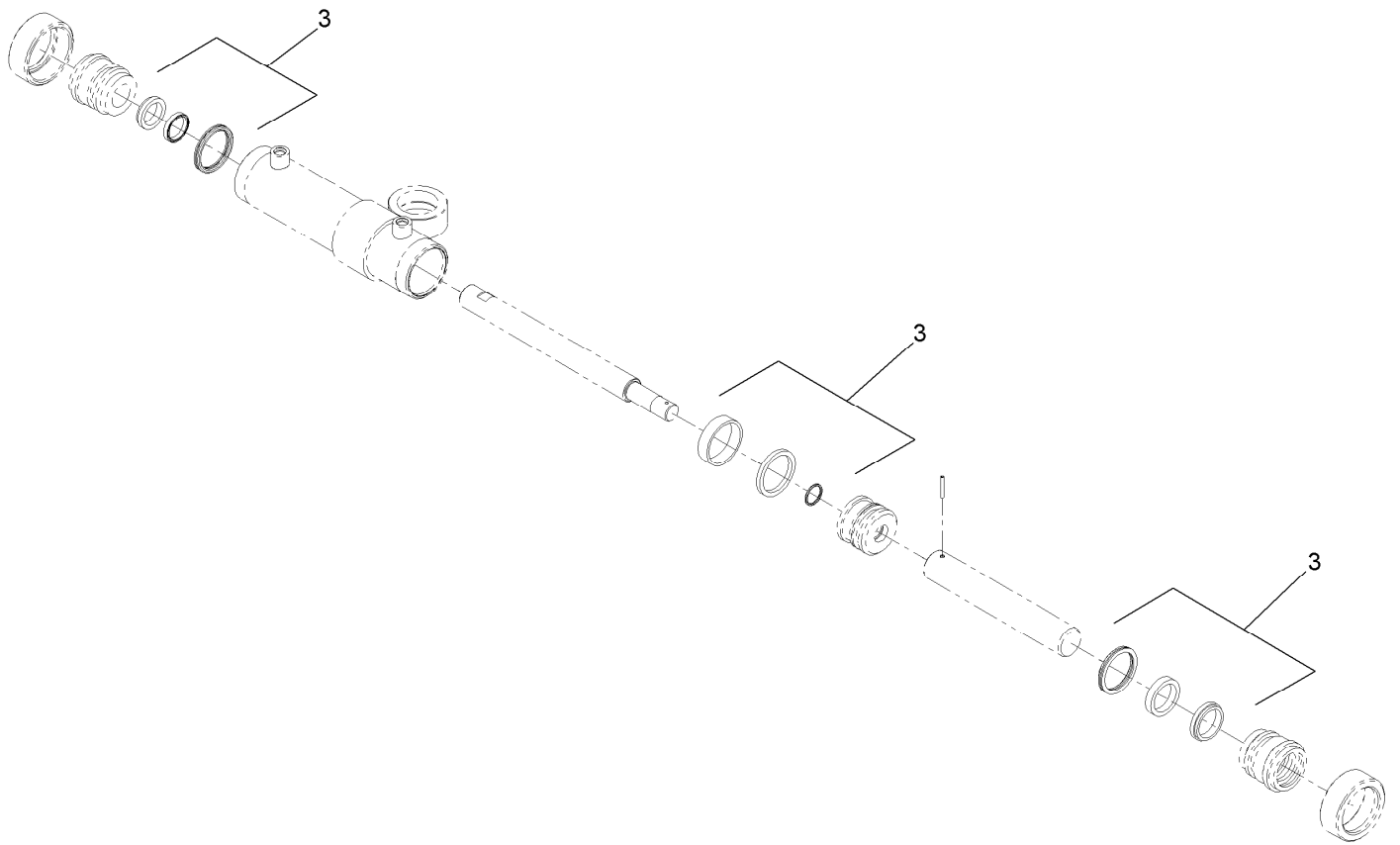


Steering Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
28	340-132	2	Fitting-Elbow, 90 DEG
28:1	237-78	1	O-Ring
28:2	237-21	1	O-Ring
29	110-0973	1	Hose-HYD
30	302-40	1	Fitting-Grease, 90 DEG

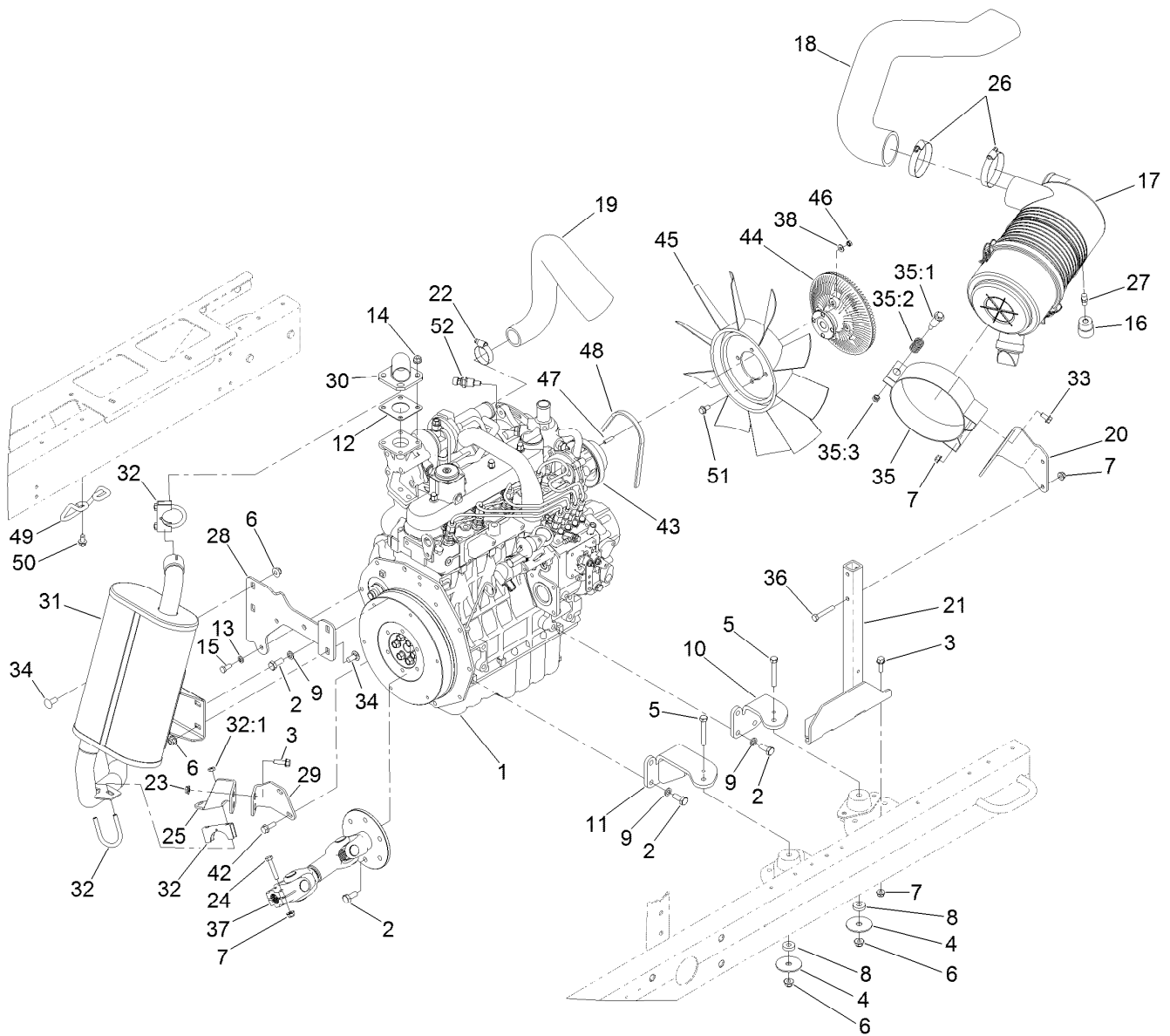
Ref.	Part Number	Qty.	Description
31	3290-378	2	Tie-Cable
32	59-7410	1	Fitting-Diagnostic
32:1	237-42	1	O-Ring
33	354-79	1	Cap-Dust
34	119-1418	6	Plate-Clamp, Short

● Not serviced separately



Hydraulic Cylinder Assembly No. 114-0403

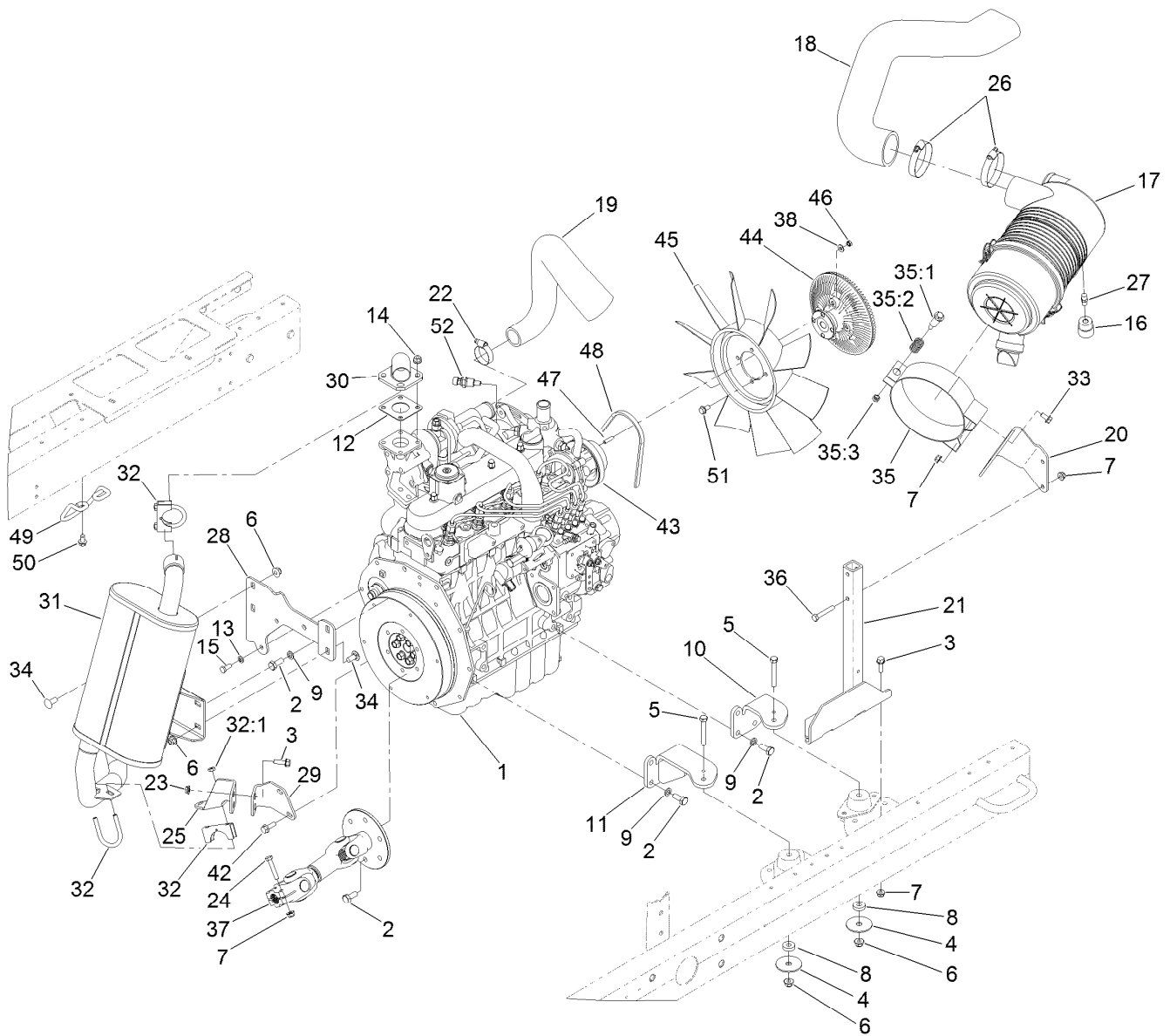
Ref.	Part Number	Qty.	Description
3	114-0404	1	Cylinder Repair Kit



Engine, Muffler and Air Cleaner Assembly

Ref.	Part Number	Qty.	Description
1	125-2169	1	Engine-Kubota, V1505T
2	43-0090	19	Screw-HH
3	3234-29	5	Screw-HHF
4	87-5100	4	Washer-Snubbing
5	323-12	4	Screw-HH
6	104-8301	8	Nut-HF, NI
7	104-8300	9	Nut-HF, NI
8	62-6660	4	Spacer
9	48-9590	13	Washer-Lock
10	115-8066-03	2	Mount-Engine
11	120-3812-03	2	Mount-Engine
12	99-8343	1	Gasket-Muffler
13	3253-4	2	Washer-Lock
14	104-2612	4	Nut-HF
15	33114-020	2	Screw-HH
16	93-9164	1	Indicator-Mini
17	110-8917	1	Air Cleaner ASM
18	110-8944	1	Hose-Formed
19	117-8061	1	Hose-Turbo
20	110-8981-03	1	Bracket-Mounting
21	121-5611-03	1	Stand-Air Cleaner

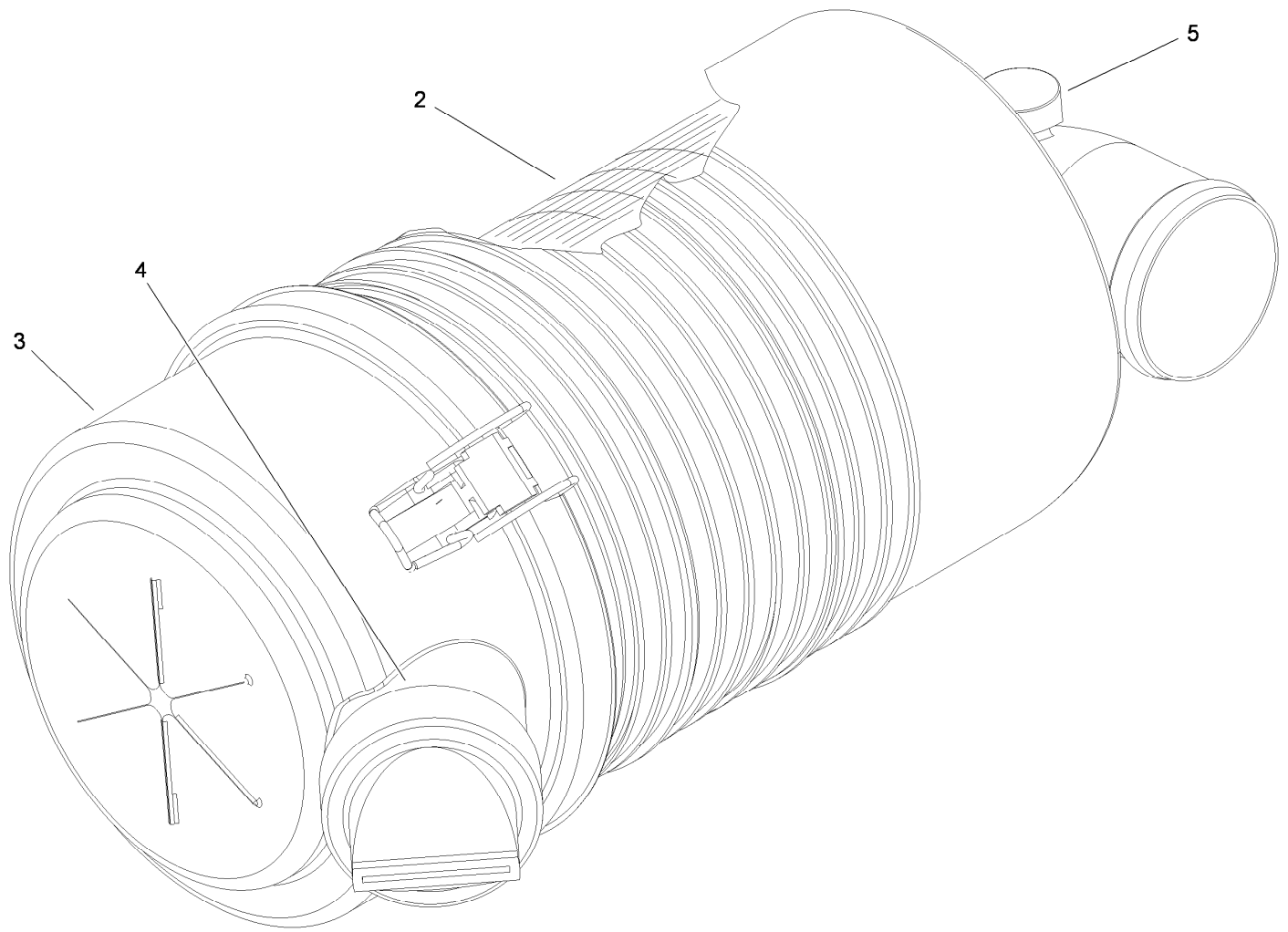
Ref.	Part Number	Qty.	Description
22	2412-3	1	Clamp-Hose
23	32128-20	2	Nut-HF
24	322-9	2	Screw-HH
25	117-0286	1	Bracket-Tailpipe
26	2412-125	3	Clamp-Hose
27	94-1416	1	Adapter-Indicator
28	108-1785-03	1	Bracket-Support, Muffler
29	117-0288	1	Bracket-Tailpipe
30	108-1783	1	Header ASM
31	108-7643	1	Muffler
32	2112-9	2	Clamp
32:1	32128-20	2	Nut-HF
33	3234-14	2	Screw-HHF
34	3231-27	4	Screw-CARR
35	93-7486	1	Clamp ASM
35:1	94-3653	1	Bolt
35:2	94-3654	1	Spring
35:3	48-9510	1	Nut
36	322-10	2	Screw-HH
37	108-1641	1	Driveshaft ASM
38	3256-22	4	Washer-Flat



Engine, Muffler and Air Cleaner Assembly (continued)

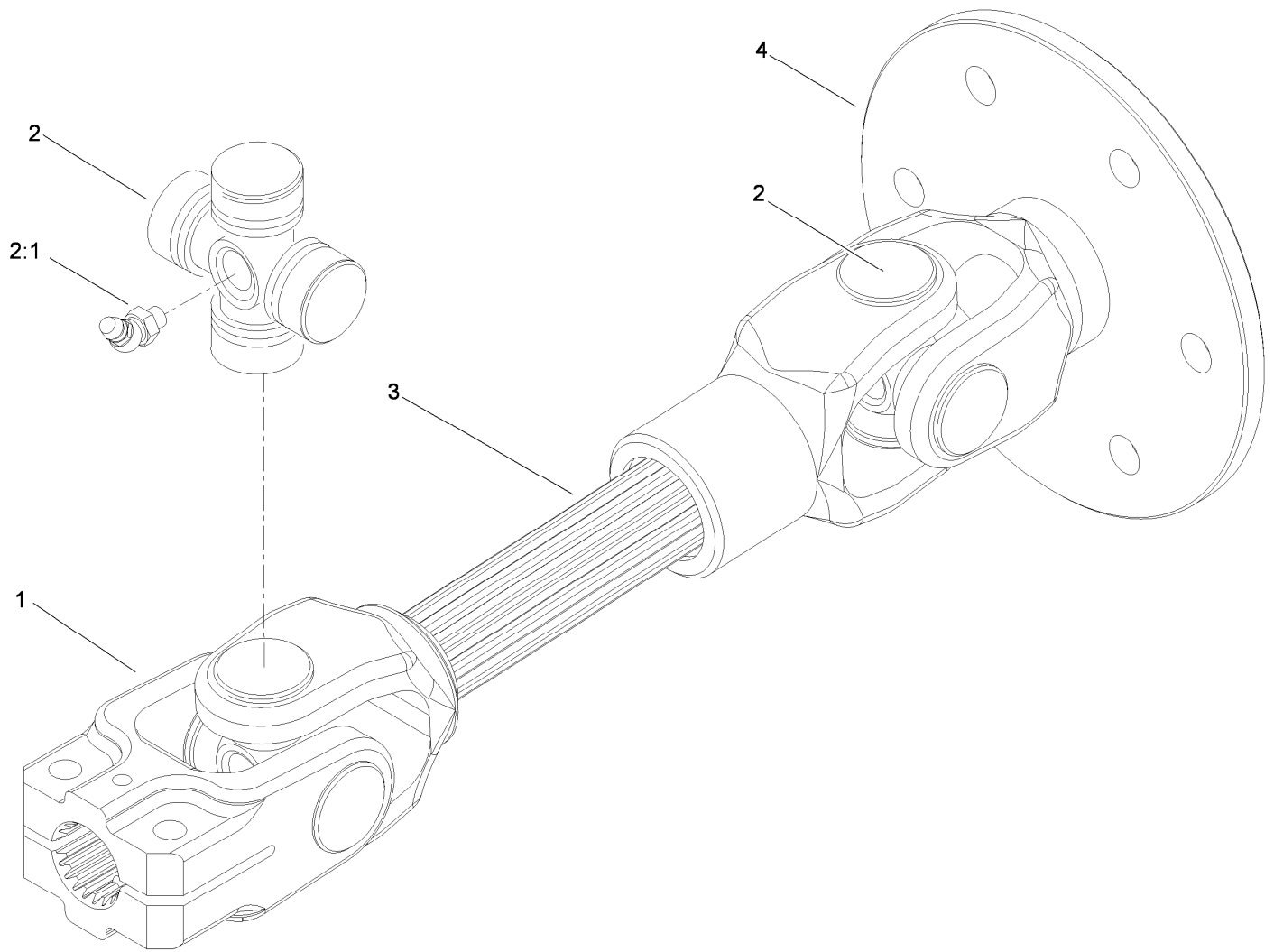
Ref.	Part Number	Qty.	Description
42	33104-025	2	Screw-HHF
43	110-0972	1	Pulley
44	117-8972	1	Fan Clutch ASM
45	74-3650	1	Fan
46	98-5845	4	Nut-Hex
47	104-5222	4	Stud

Ref.	Part Number	Qty.	Description
48	98-9676	1	V-Belt
49	127-2612	1	Guard-Pipe, Tail
50	32104-32	2	Screw-HWH
51	3234-7	4	Screw-HHF
52	119-4478	1	Sender-Temperature



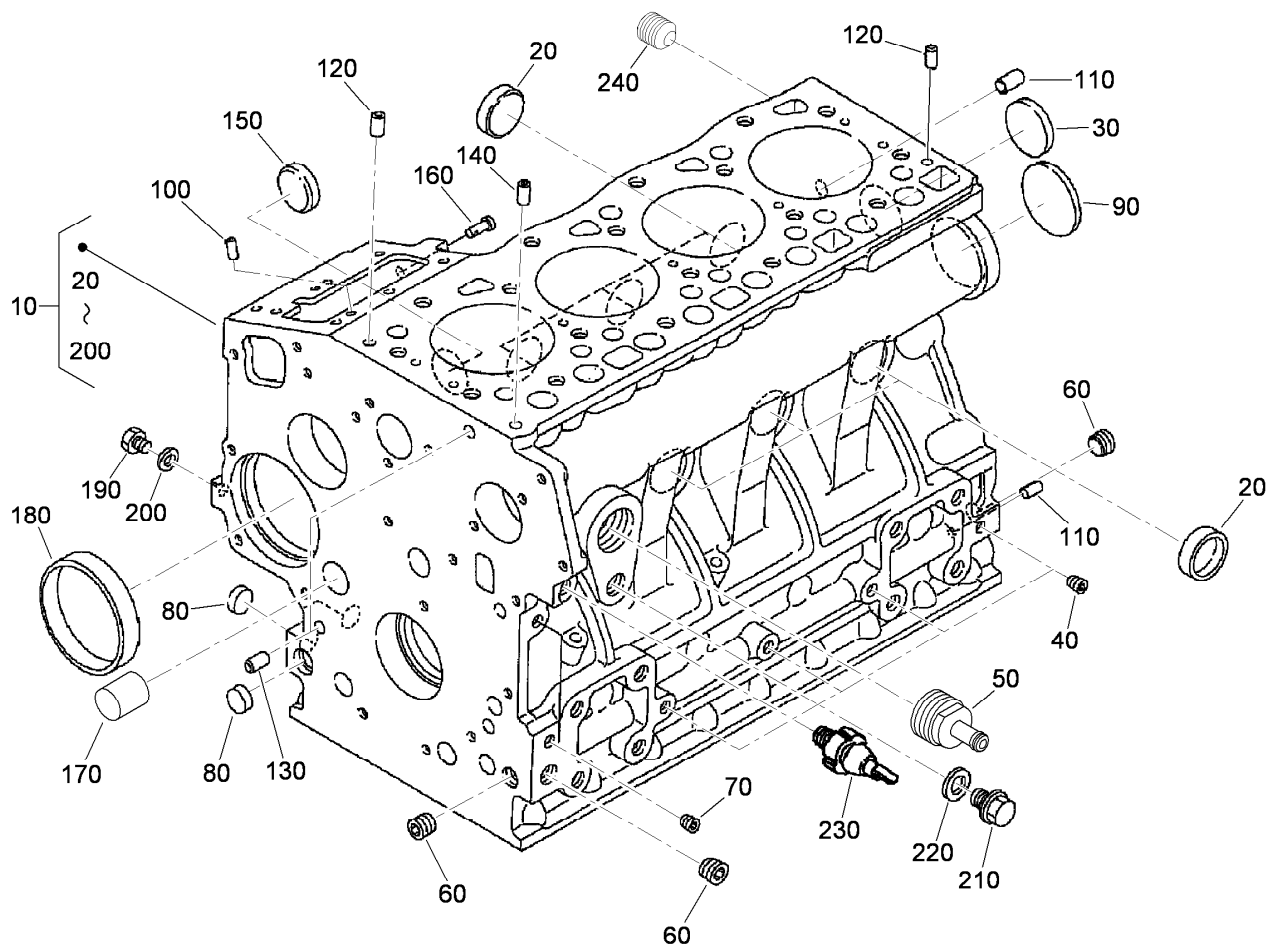
Air Cleaner Assembly No. 110-8917

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	108-3812	1	Filter-Air
3	93-5986	1	Cover ASM
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe



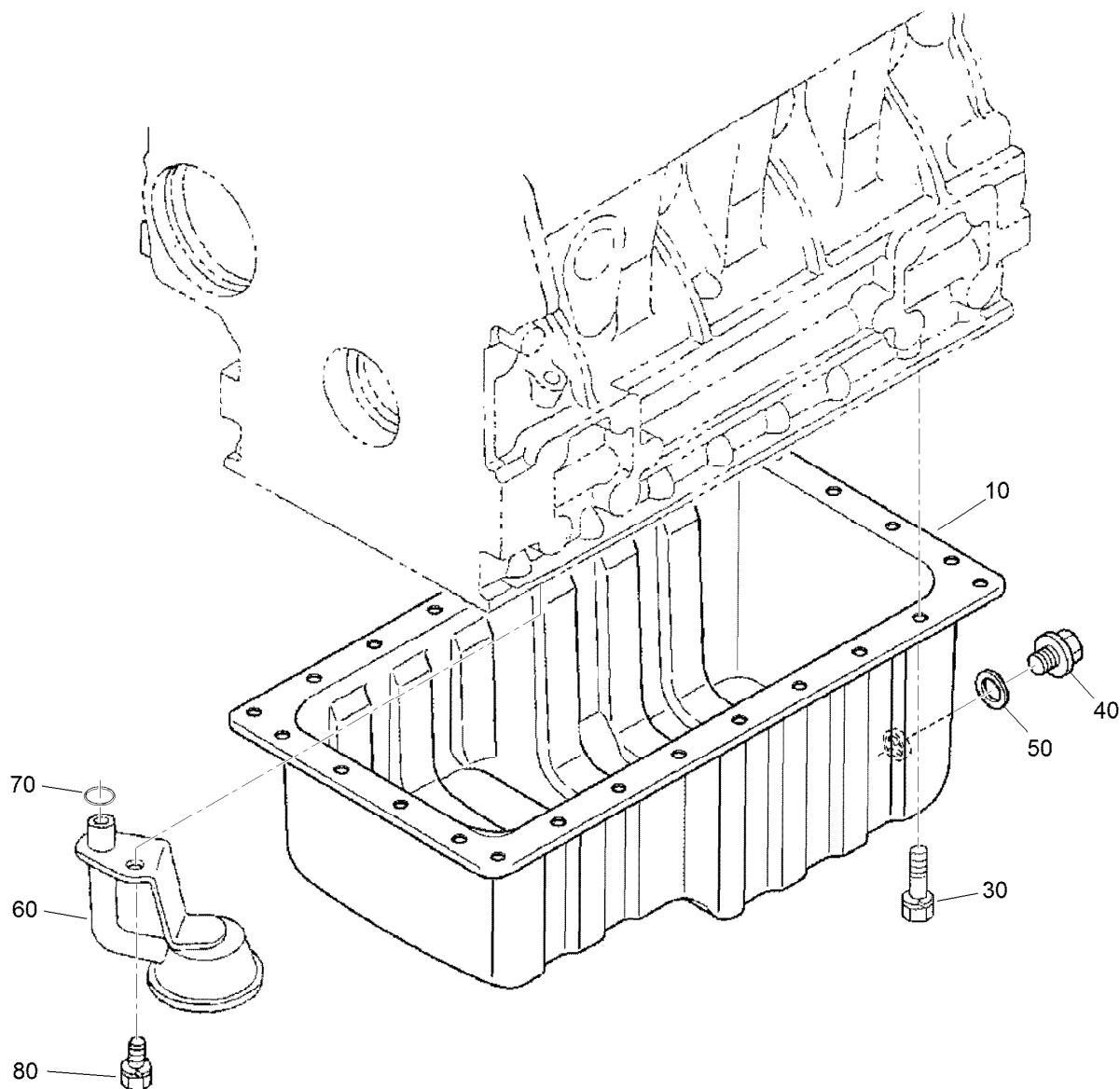
Driveshaft Assembly No. 108-1641

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	54-9040	1	Yoke-End
2	54-9180	2	U-Joint Kit
2:1	62-3820	1	Fitting-Grease
3	108-4574	1	Joint And Shaft ASM
4	108-4575	1	Joint And Yoke ASM



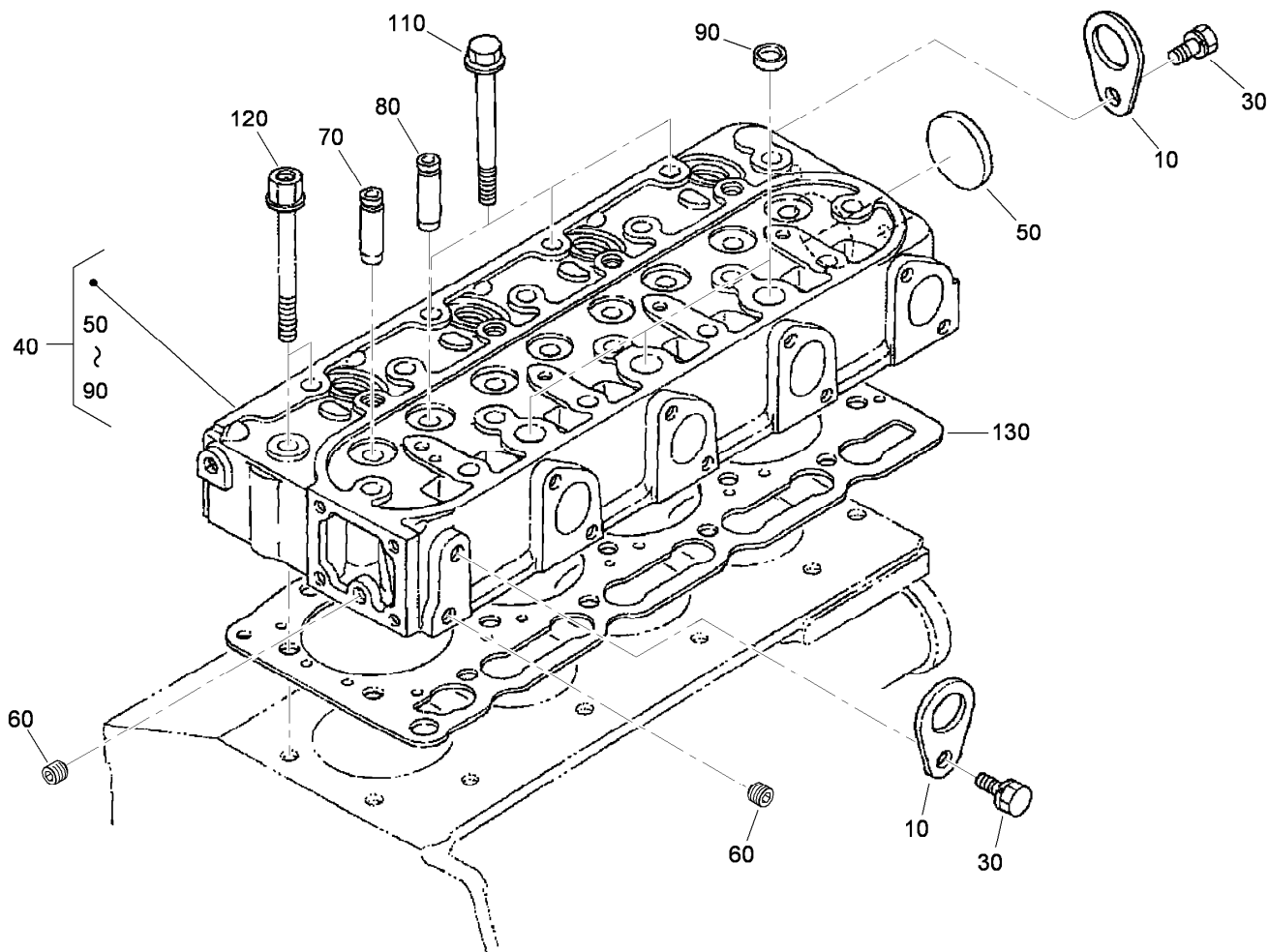
Crankcase Assembly

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



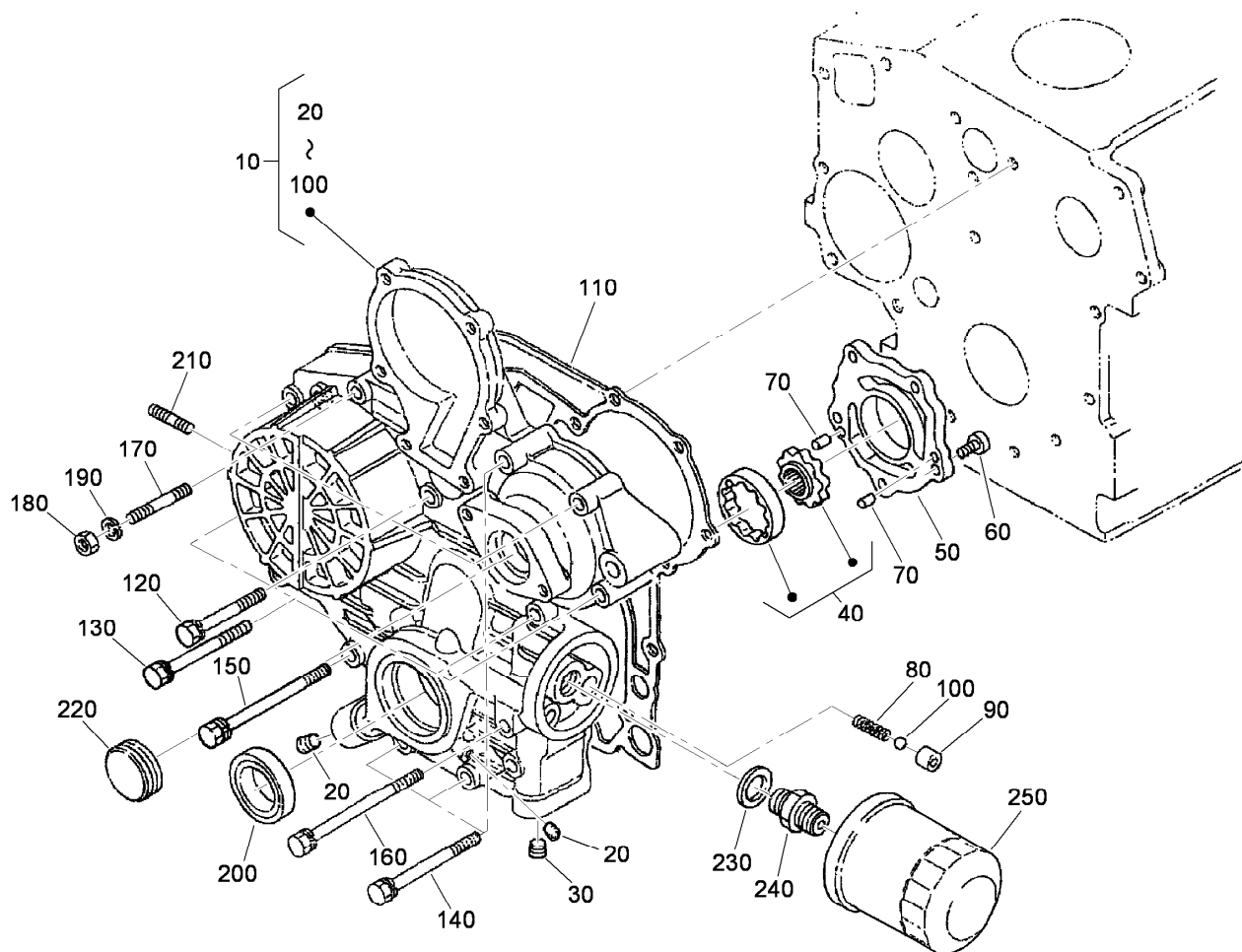
Oil Pan Assembly

Ref.	Part Number	Qty.	Description
10	112-0186	1	Oil Pan ASM
30	98-9351	26	Bolt
40	114-8151	1	Plug-Drain
50	98-7524	1	Gasket
60	112-7003	1	Head-Filter, Oil
70	105-3776	1	O-Ring
80	98-7526	1	Bolt



Cylinder Head Assembly

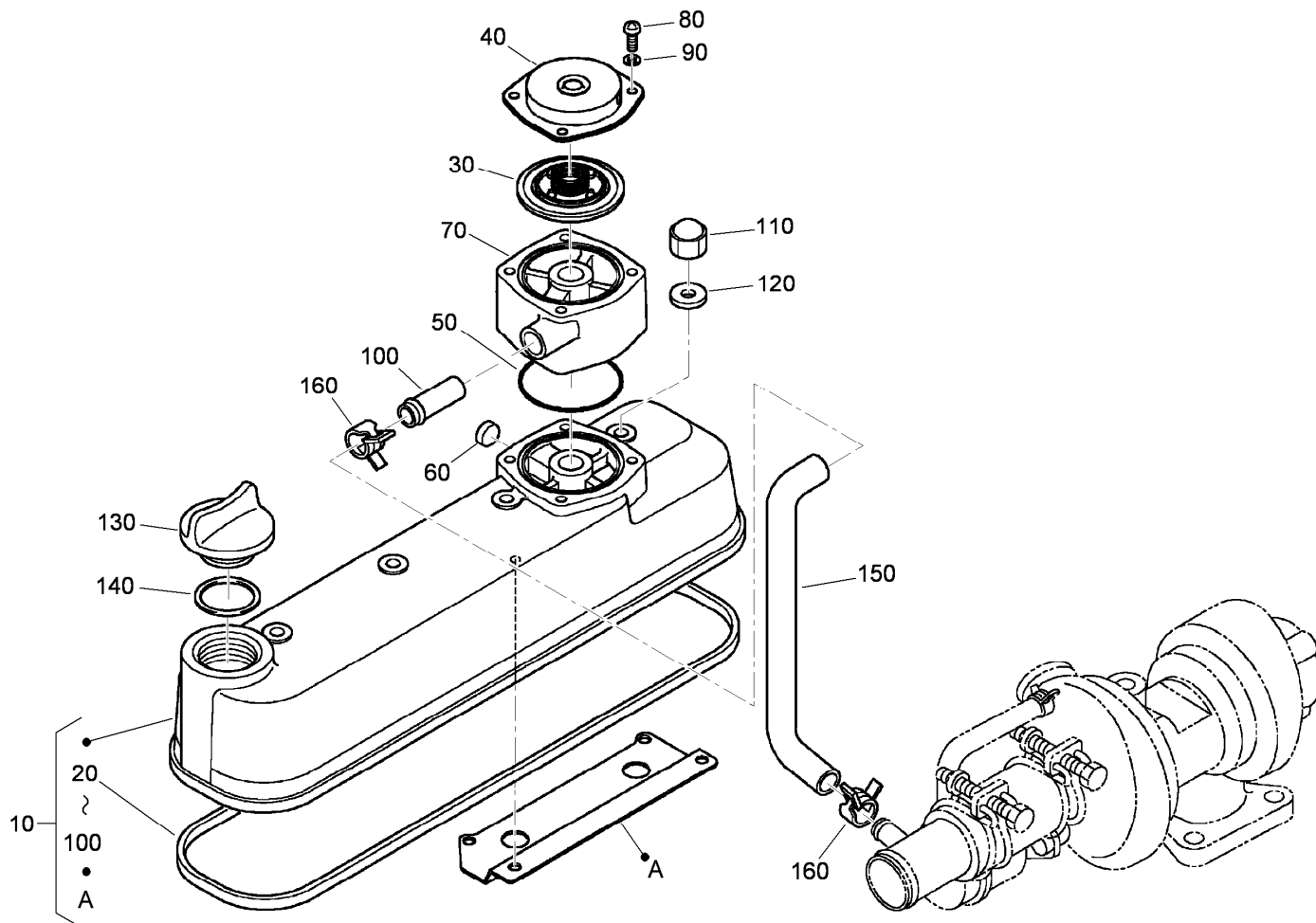
Ref.	Part Number	Qty.	Description
10	98-7531	2	Hook-Engine
30	100-9195	2	Bolt
40	108-2854	1	Cylinder Head ASM
50	105-3705	1	Cap-Sealing
60	98-7540	2	Plug
70	107-9066	4	Guide-Valve, Inlet
80	107-9067	4	Guide-Valve, Exhaust
90	98-9389	3	Cap-Sealing
110	98-9479	16	Bolt-Head, Cylinder
120	98-9647	2	Bolt-Head, Cylinder
130	108-2855	1	Gasket-Head, Cylinder



Gear Case Assembly

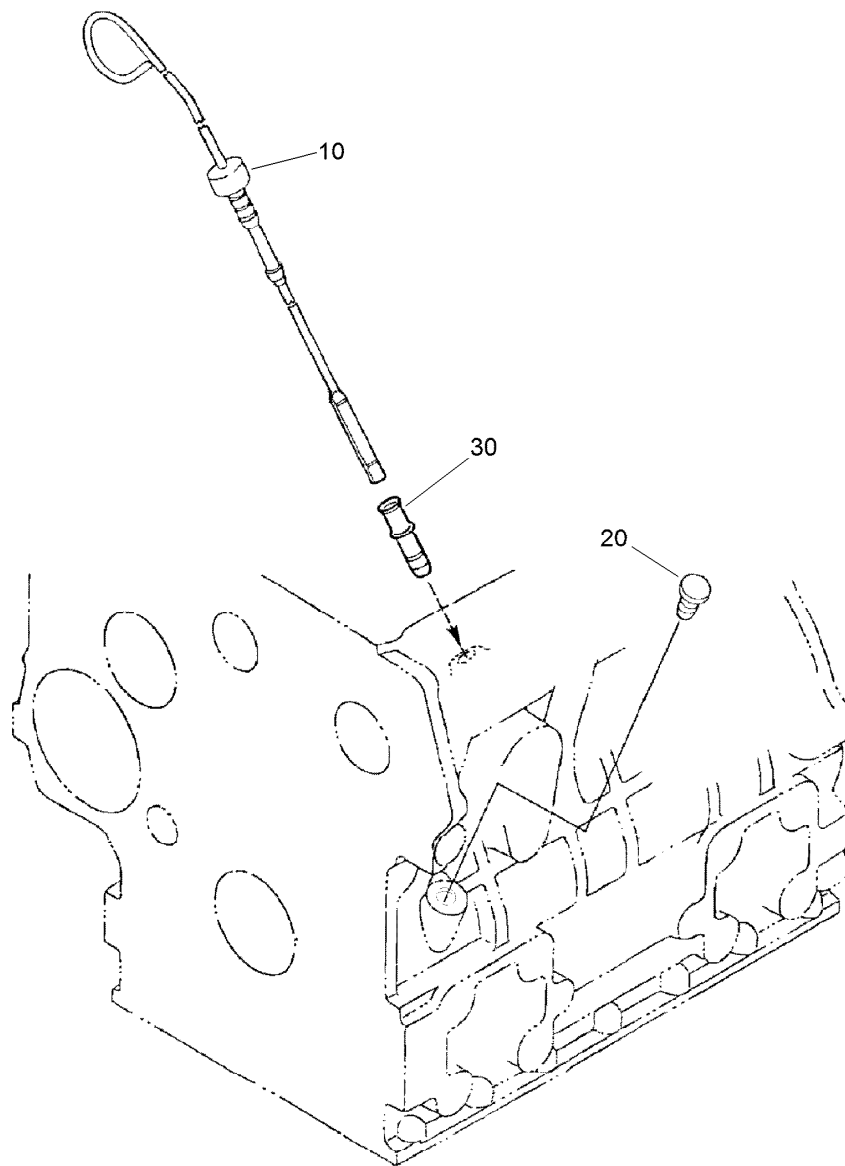
Ref.	Part Number	Qty.	Description
10	115-4111	1	Gear Case ASM
20	98-9598	5	Plug
30	98-7487	1	Plug
40	98-9540	1	Oil Pump Rotor ASM
50	107-9069	1	Cover-Pump, Oil
60	107-9071	1	Screw
70	107-9072	1	Pin-Straight
80	98-9544	1	Spring
90	98-9543	1	Seat-Valve
100	98-9380	1	Ball
110	98-9633	1	Gasket-Case, Gear
120	98-7496	3	Bolt
130	105-3797	4	Bolt

Ref.	Part Number	Qty.	Description
140	98-9356	2	Bolt
150	107-9074	1	Bolt
160	98-9586	1	Bolt
170	105-3709	1	Stud
180	98-7572	1	Nut
190	98-7699	1	Washer-Spring
200	98-9482	1	Seal-Oil
210	105-3710	2	Stud
220	98-9641	1	Cover-Case, Gear
230	98-9727	1	Collar
240	104-5159	1	Holder ASM
250	108-3841	1	Filter-Oil



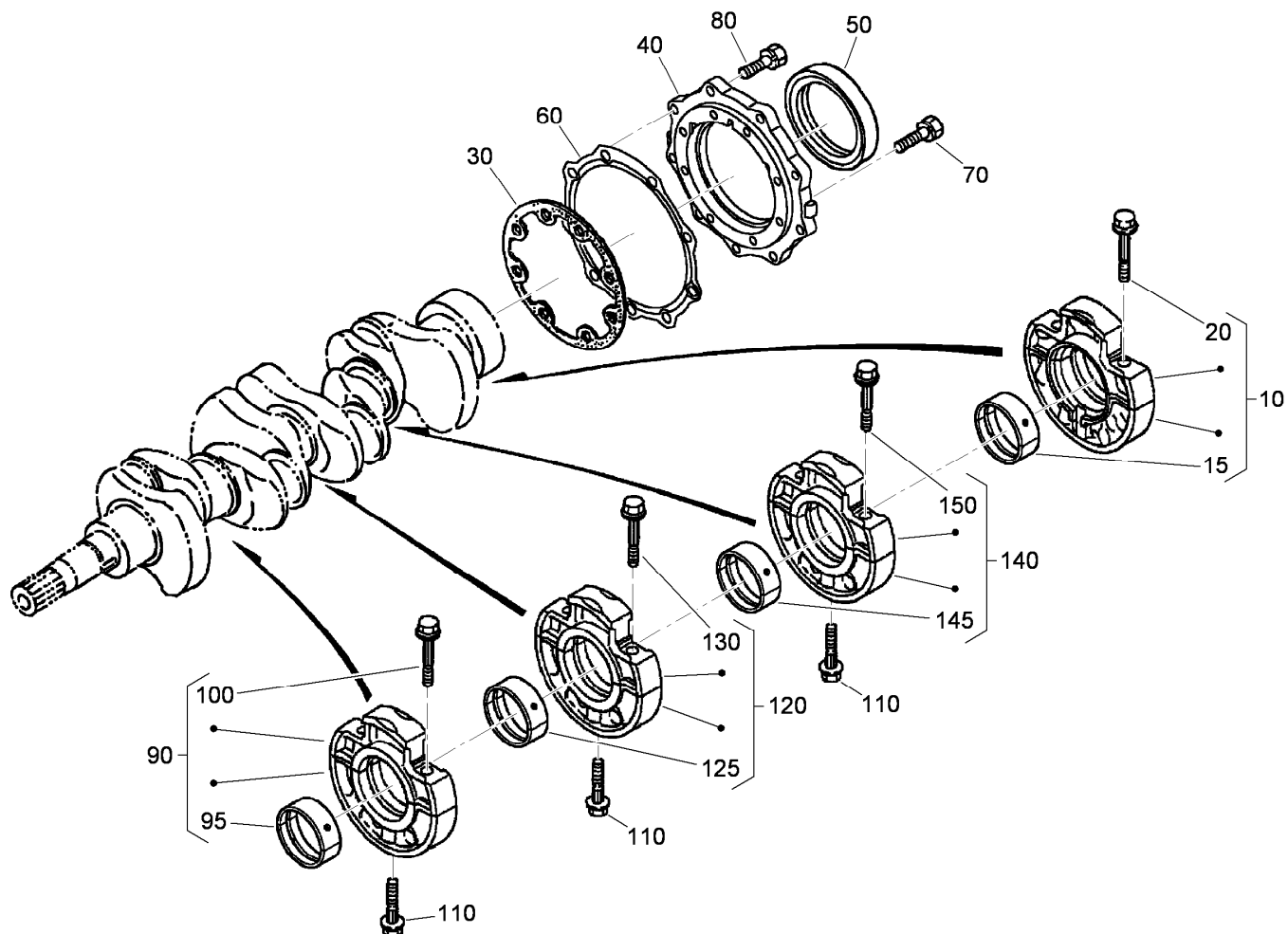
Cylinder Head Cover Assembly

Ref.	Part Number	Qty.	Description
10	115-3041	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



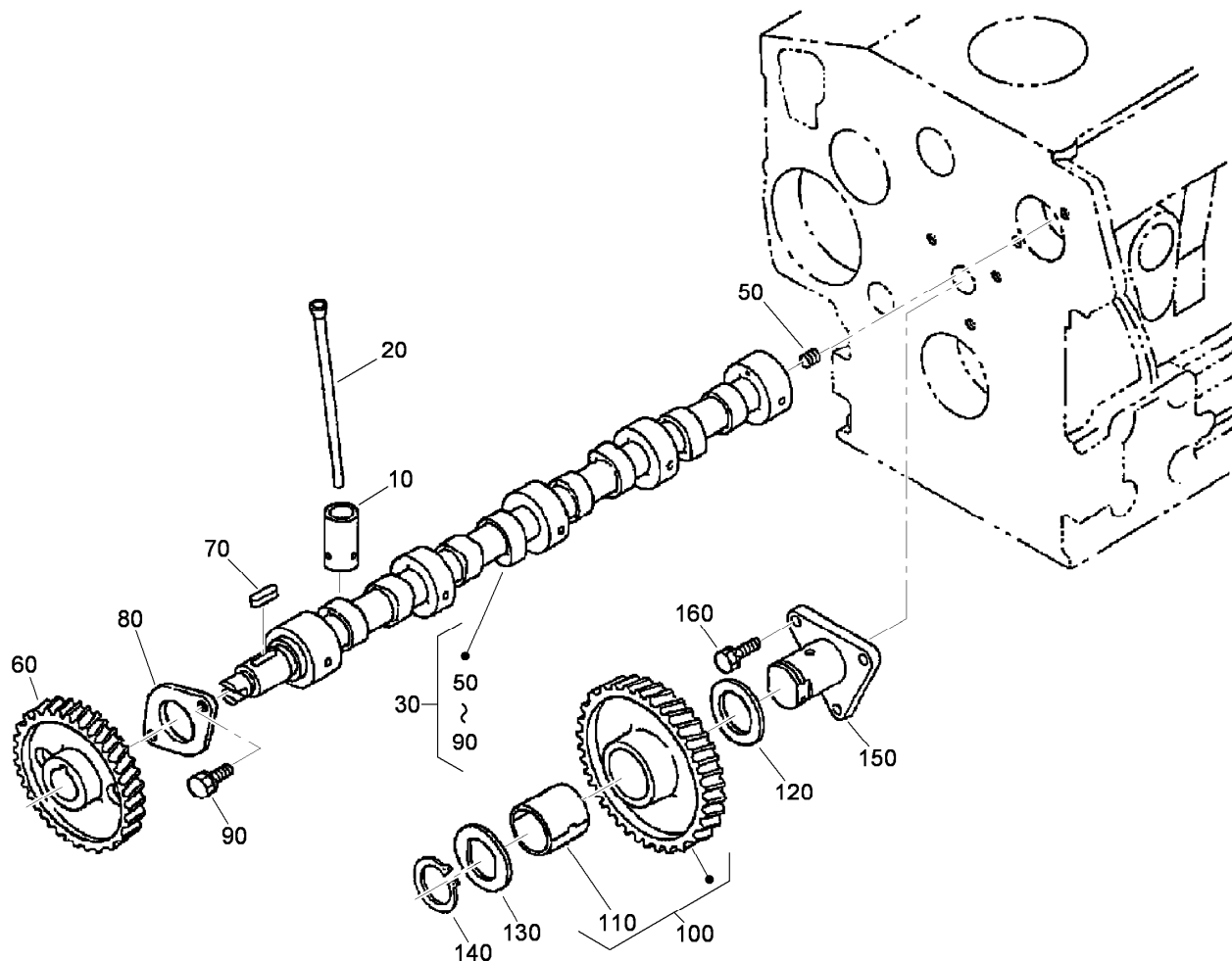
Dipstick and Guide Assembly

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



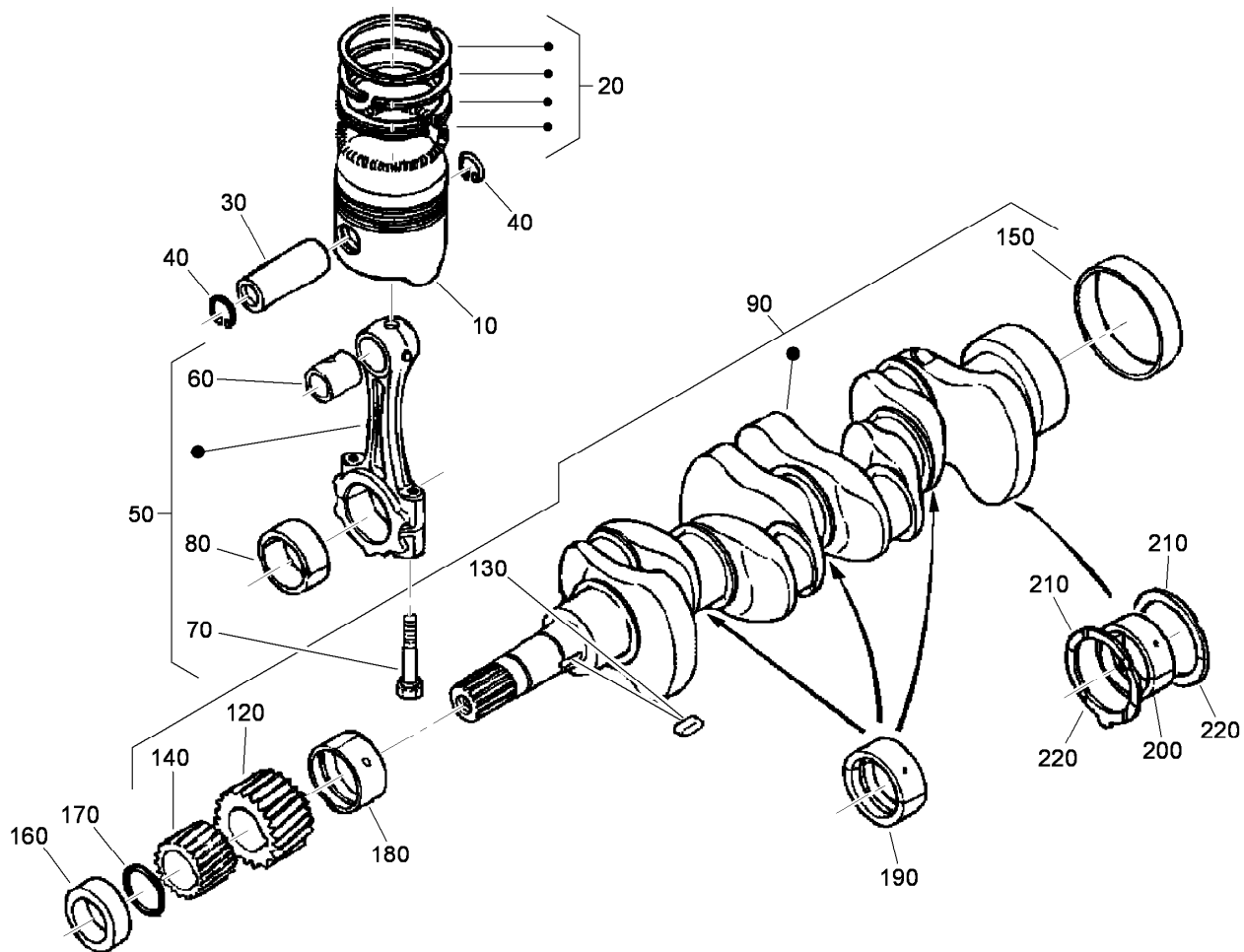
Main Bearing Case Assembly

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

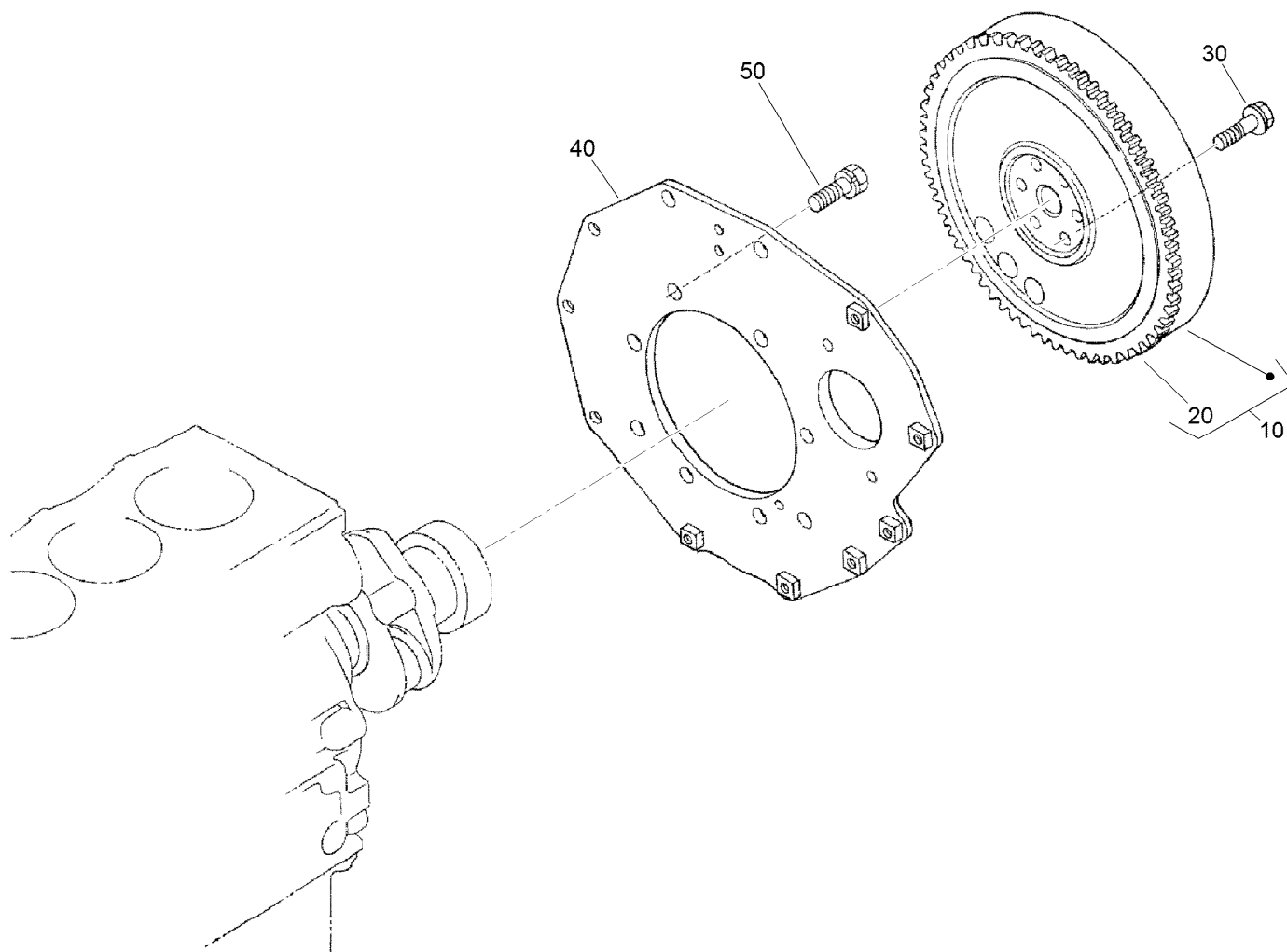
Ref.	Part Number	Qty.	Description
10	112-0185	8	Tappet
20	98-9509	8	Rod-Push
30	112-8402	1	Camshaft ASM
50	98-7449	1	Screw-Set
60	98-9512	1	Gear-Cam
70	98-9378	1	Key-Feather
80	98-9510	1	Stopper-Camshaft
90	98-7692	2	Bolt
100	98-9649	1	Idle Gear ASM
110	98-9650	1	Bushing-Gear, Idle
120	98-9535	1	Collar-Gear,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

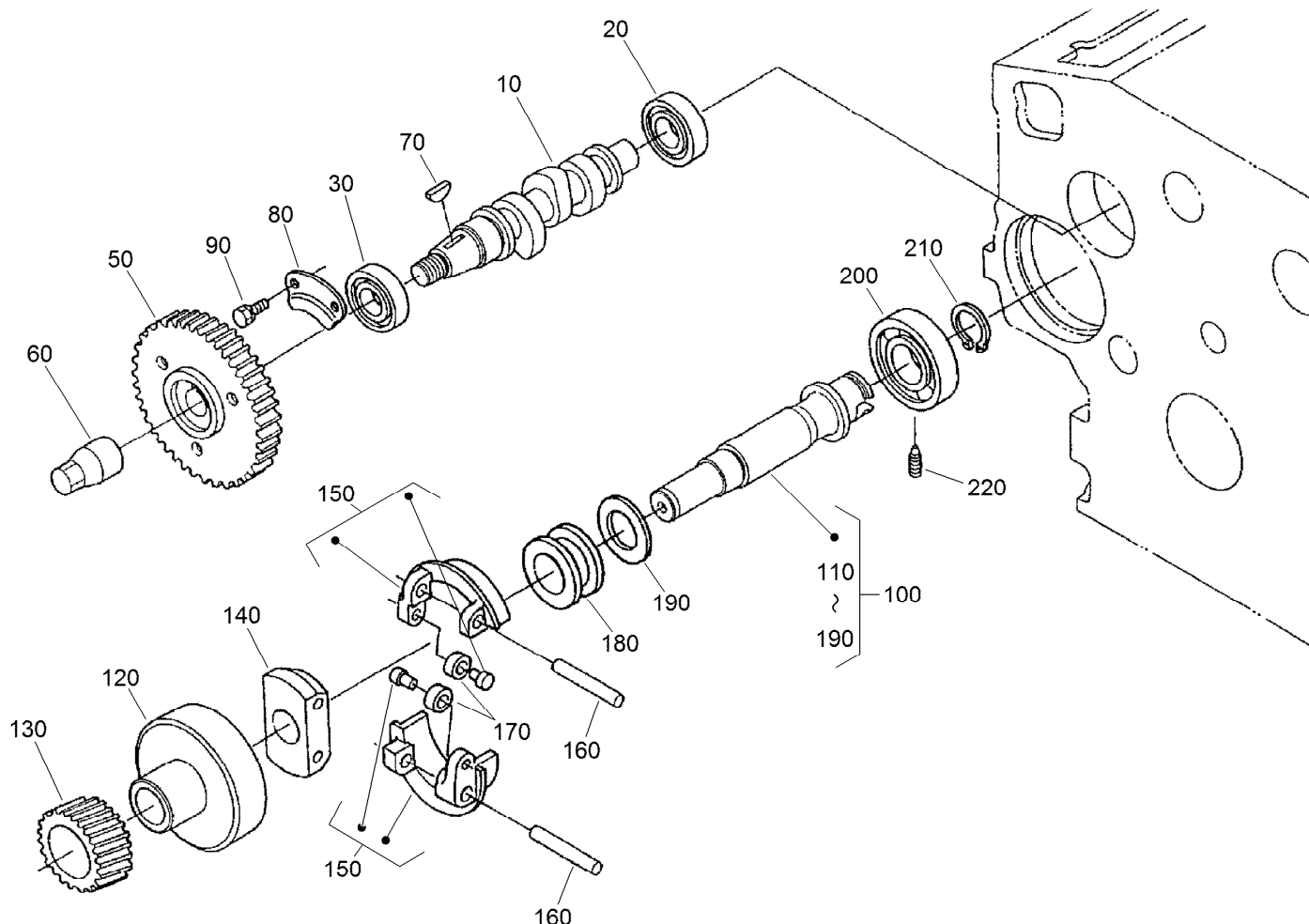
Ref.	Part Number	Qty.	Description
10	98-9550	4	Piston (STD)
10	108-1417	4	Piston (+0.5MM)
20	98-9551	4	Piston Ring ASM (STD)
20	108-1404	4	Piston Ring ASM (+0.5MM)
30	98-9513	4	Pin-Piston
40	98-9514	8	Circlip-Pin, Piston
50	98-9552	4	Connecting Rod ASM
60	115-3014	4	Bushing-Pin, Piston
70	98-9517	8	Bolt-Rod, 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	105-3783	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	112-7006	1	Bearing-Main (STD)
200	112-7007	1	Metal-Crankshaft (.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

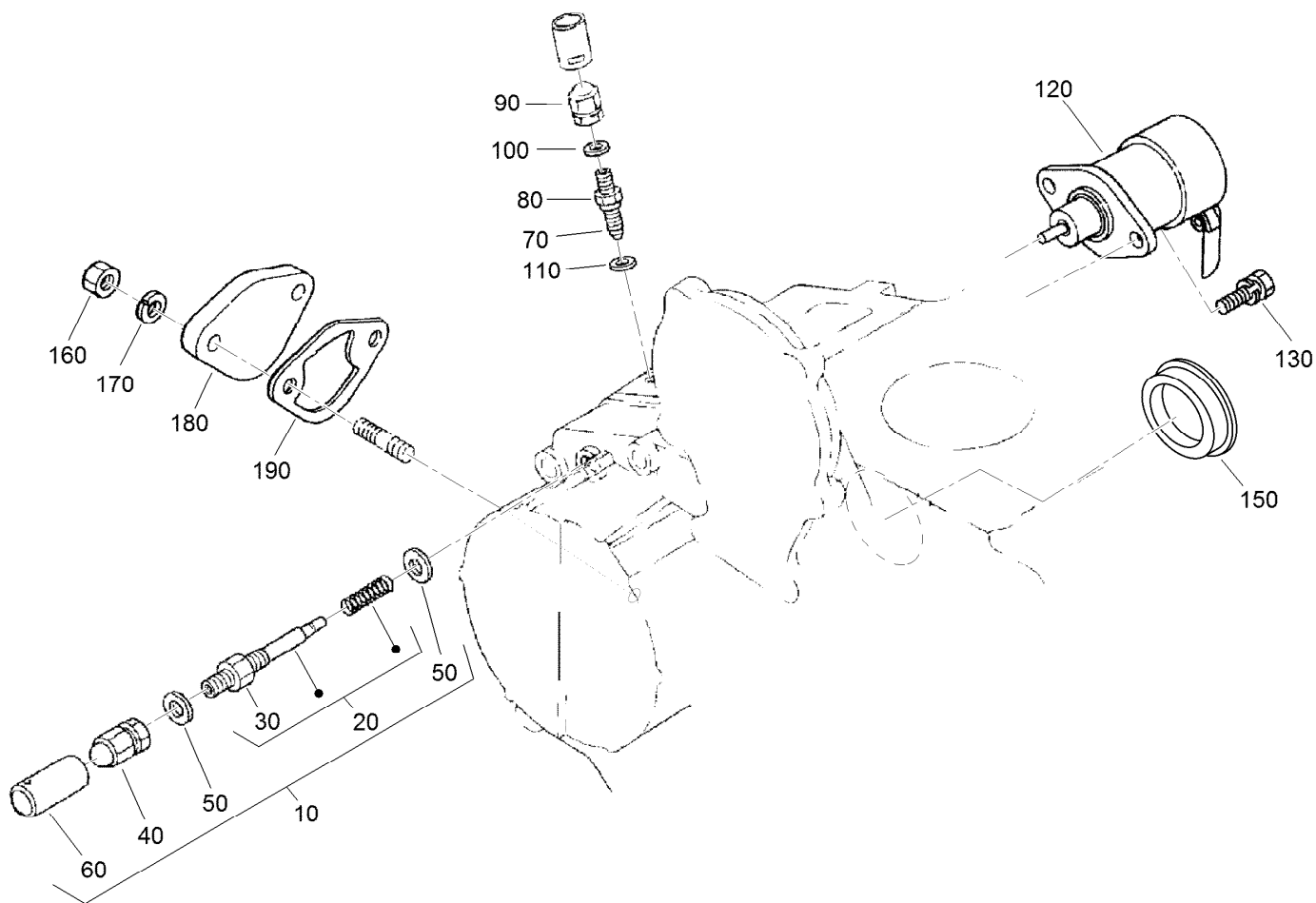
Ref.	Part Number	Qty.	Description
10	105-3721	1	Flywheel ASM
20	115-3015	1	Gear-Ring
30	98-9537	6	Bolt-Flywheel
40	98-9486	1	Plate-End, Rear
50	98-9392	8	Bolt



Fuel Camshaft and Governor Shaft Assembly

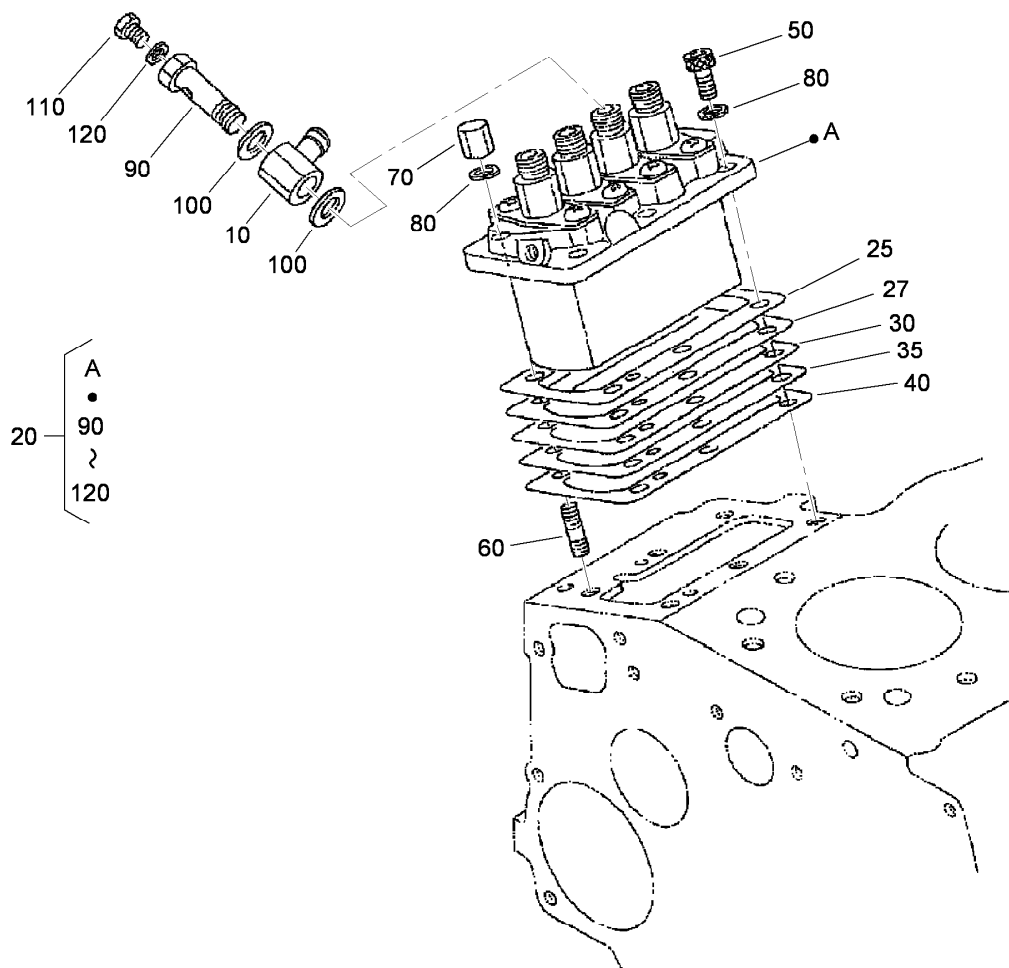
Ref.	Part Number	Qty.	Description
10	105-3723	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
50	98-9669	1	Gear-Pump, Injection
60	98-9590	1	Nut-Cap
70	98-9595	1	Key-Woodruff
80	98-9511	1	Stopper-Fuel, Camshaft
90	98-7692	2	Bolt
100	105-3724	1	Governor Shaft ASM
110	105-3725	1	Shaft-Governor
120	98-9562	1	Holder-Gear, Governor

Ref.	Part Number	Qty.	Description
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



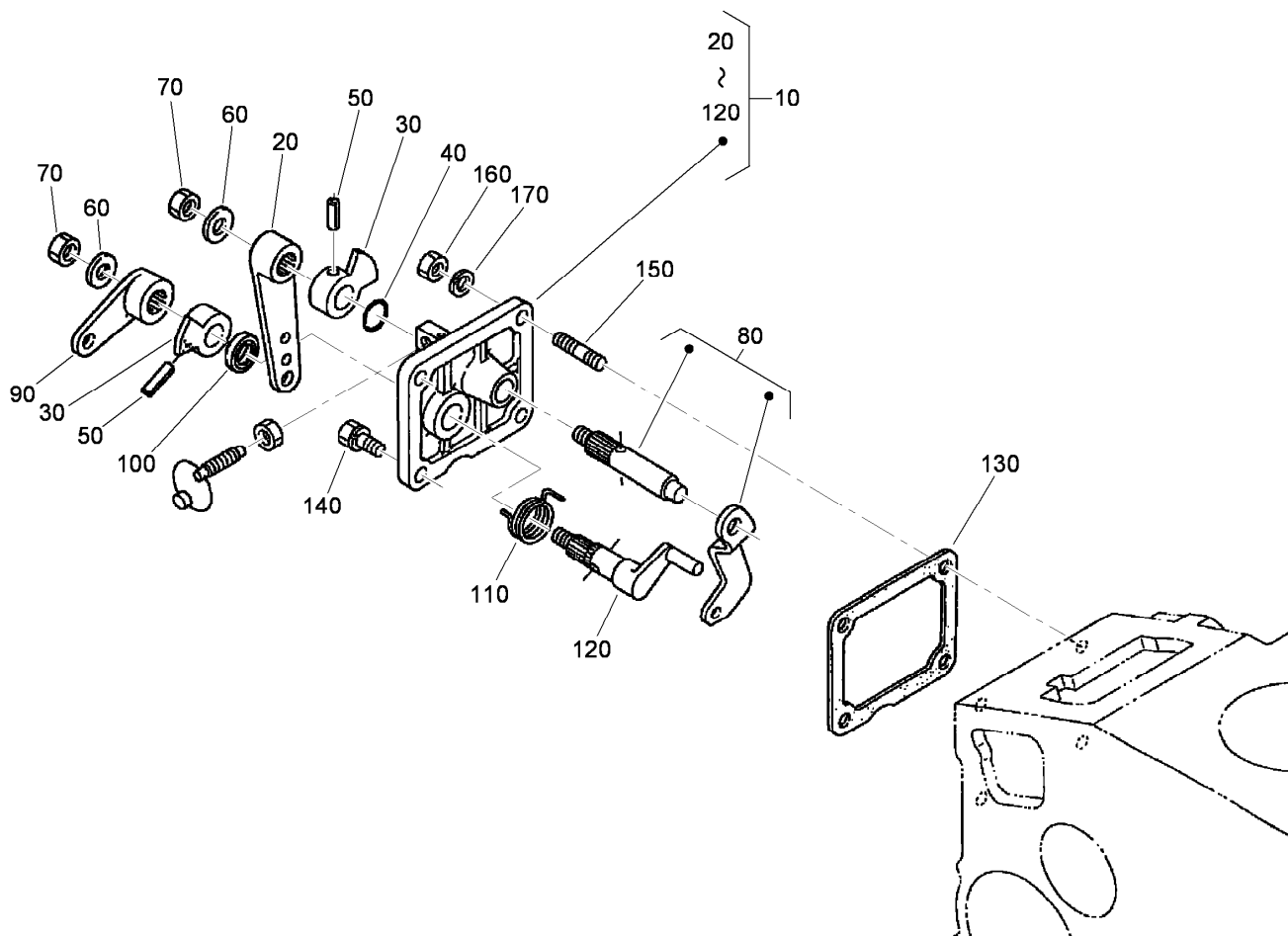
Idle Apparatus Assembly

Ref.	Part Number	Qty.	Description
10	98-9678	1	Idle Apparatus ASM
20	112-7014	1	Adjusting Bolt ASM
30	98-9439	1	Nut
40	112-0181	1	Nut
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	112-7015	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	112-0181	1	Nut
100	98-7654	1	Gasket
110	107-9081	1	Gasket
120	104-5155	1	Solenoid-Stop
130	115-3039	2	Bolt-HSH
150	112-7016	1	Cover-Pump
160	98-7572	2	Nut
170	98-7699	2	Washer-Spring
180	99-3514	1	Cover
190	98-9636	1	Gasket-Pump, Fuel



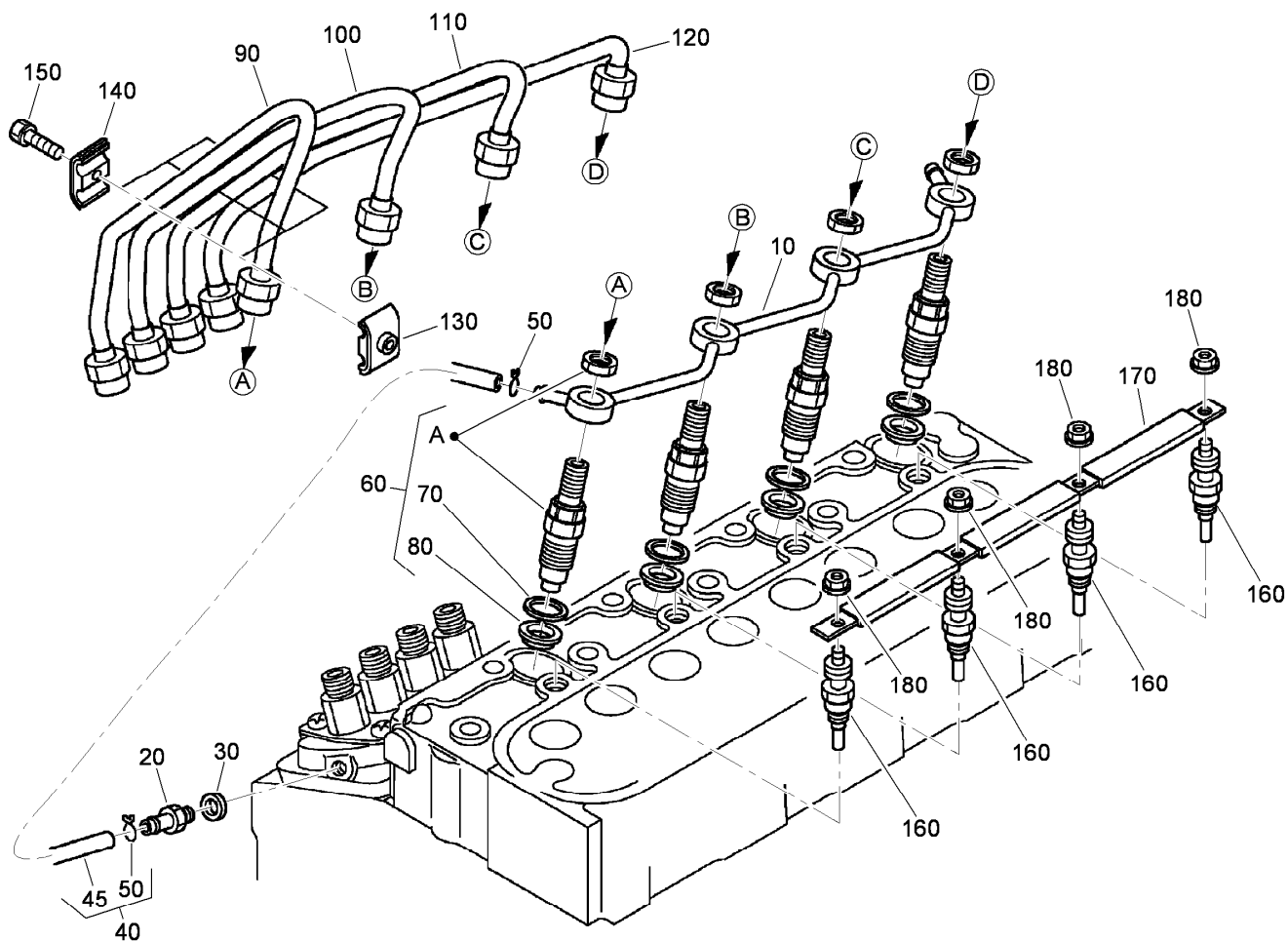
Injection Pump Assembly

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



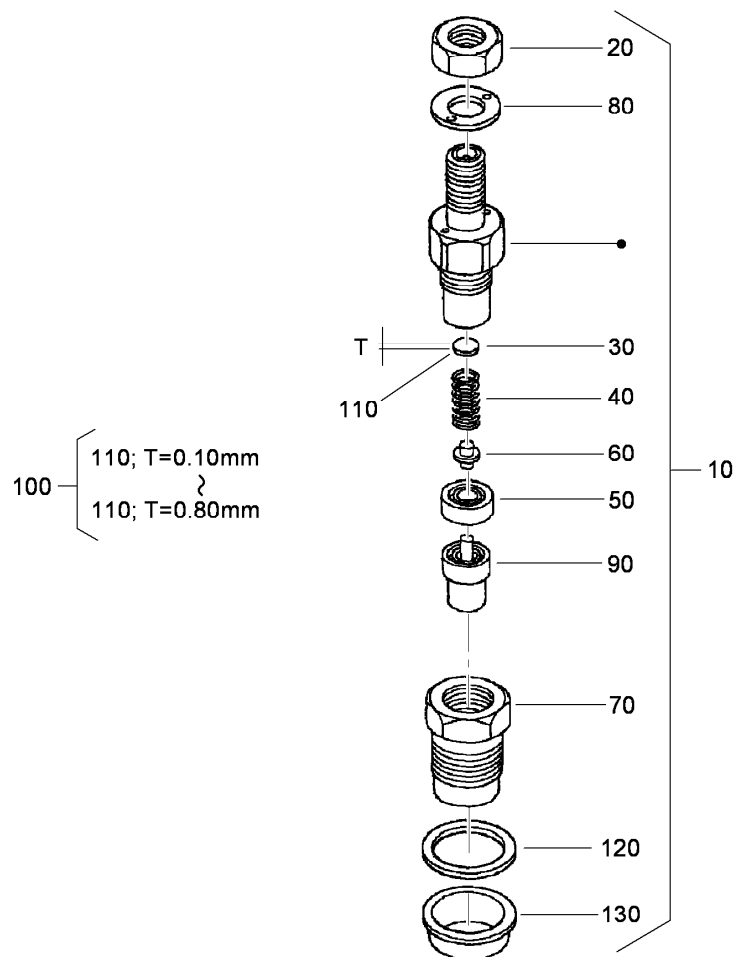
Speed Control Plate Assembly

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



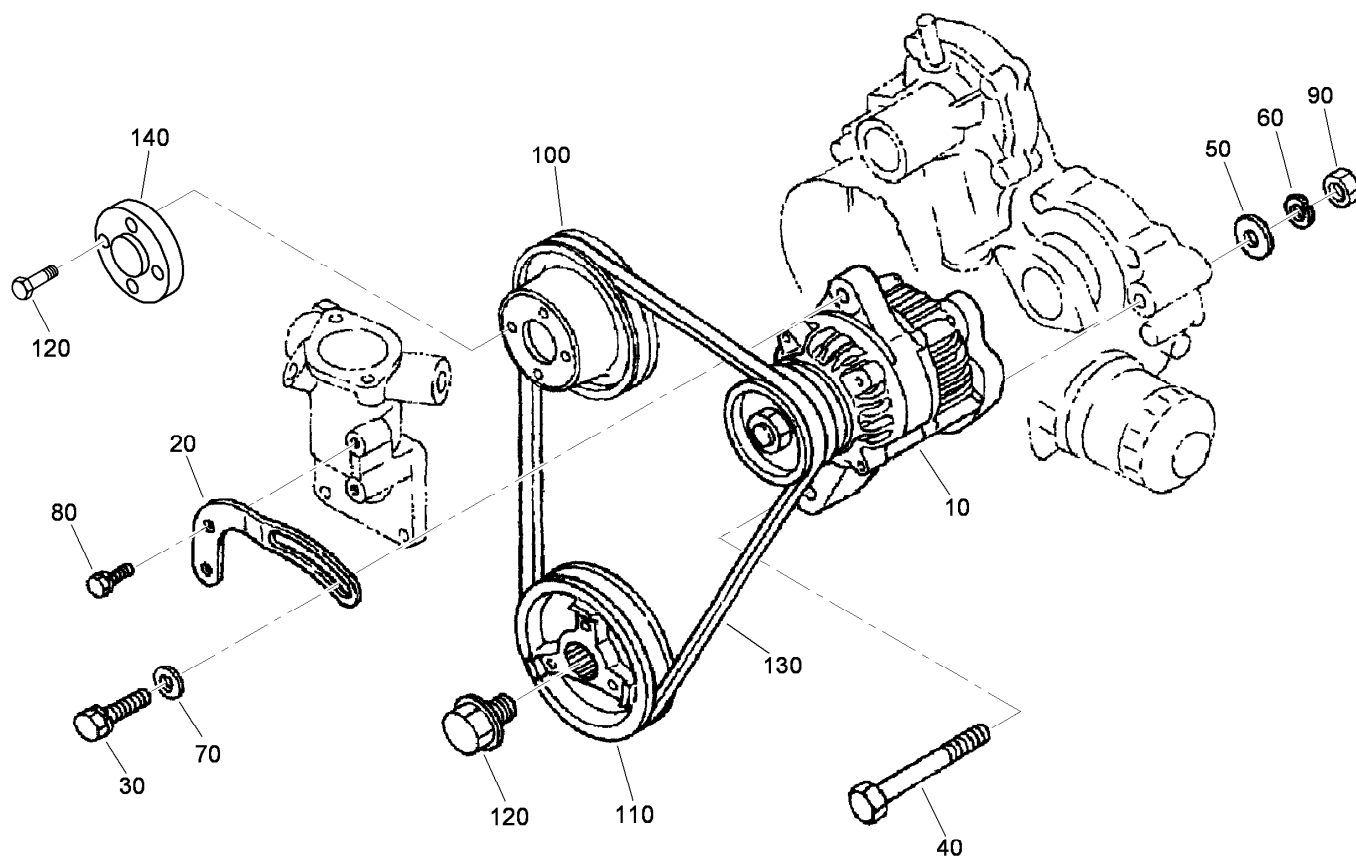
Nozzle Holder and Glow Plug Assembly

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
45	112-0182	1	Pipe-Overflow
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	98-7684	3	Screw (W/Washer)
160	98-9623	4	Plug-Glow
170	105-3739	1	Cord-Plug, Glow
180	99-8377	4	Nut-Flange



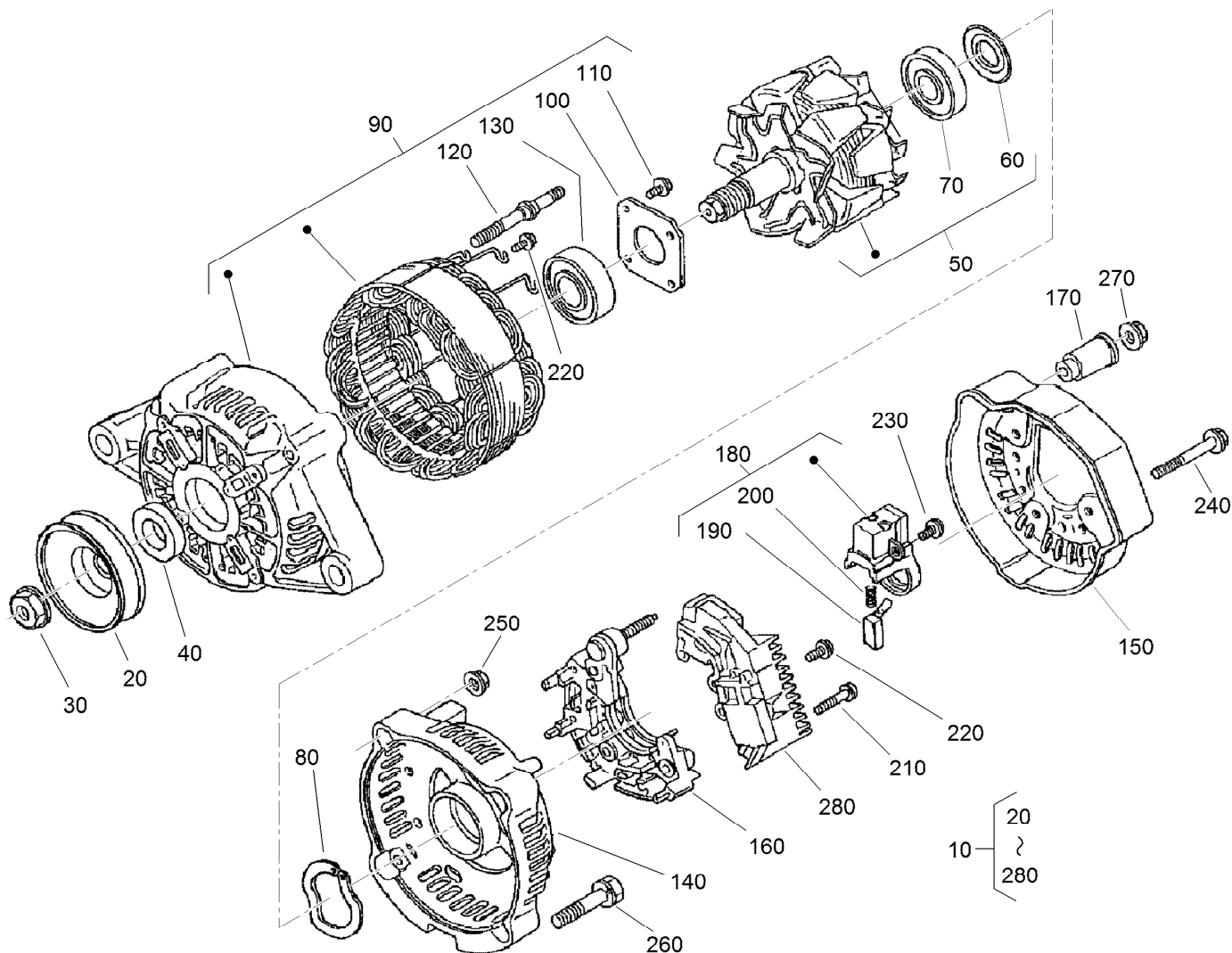
Nozzle Holder Component Assembly

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



Alternator and Pulley Assembly

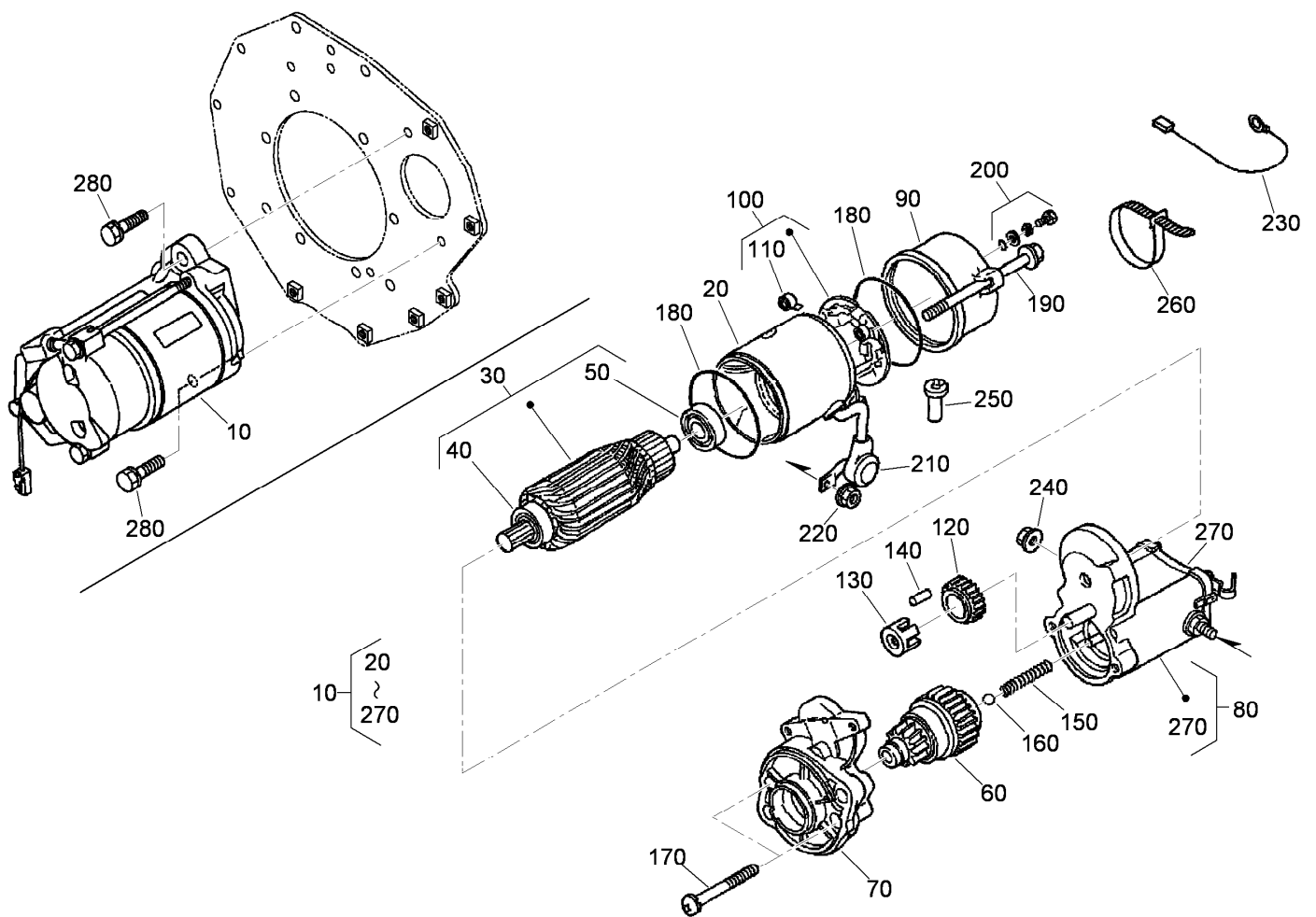
Ref.	Part Number	Qty.	Description
10	98-9474	1	Alternator ASM
20	112-7047	1	Stay-Dynamo
30	108-7088	1	Bolt
40	98-9360	1	Bolt
50	98-7696	1	Washer-Plain
60	98-7738	1	Washer-Spring
70	100-9233	1	Washer-Plain
80	98-7692	1	Bolt
90	98-7737	1	Nut
100	110-0972	1	Pulley
110	105-3745	1	Pulley-Drive, Fan
120	98-9585	1	Bolt
130	98-9676	1	V-Belt
140	108-2872	1	Collar-Fan



Alternator Assembly No. 98-9474

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	107-0138	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

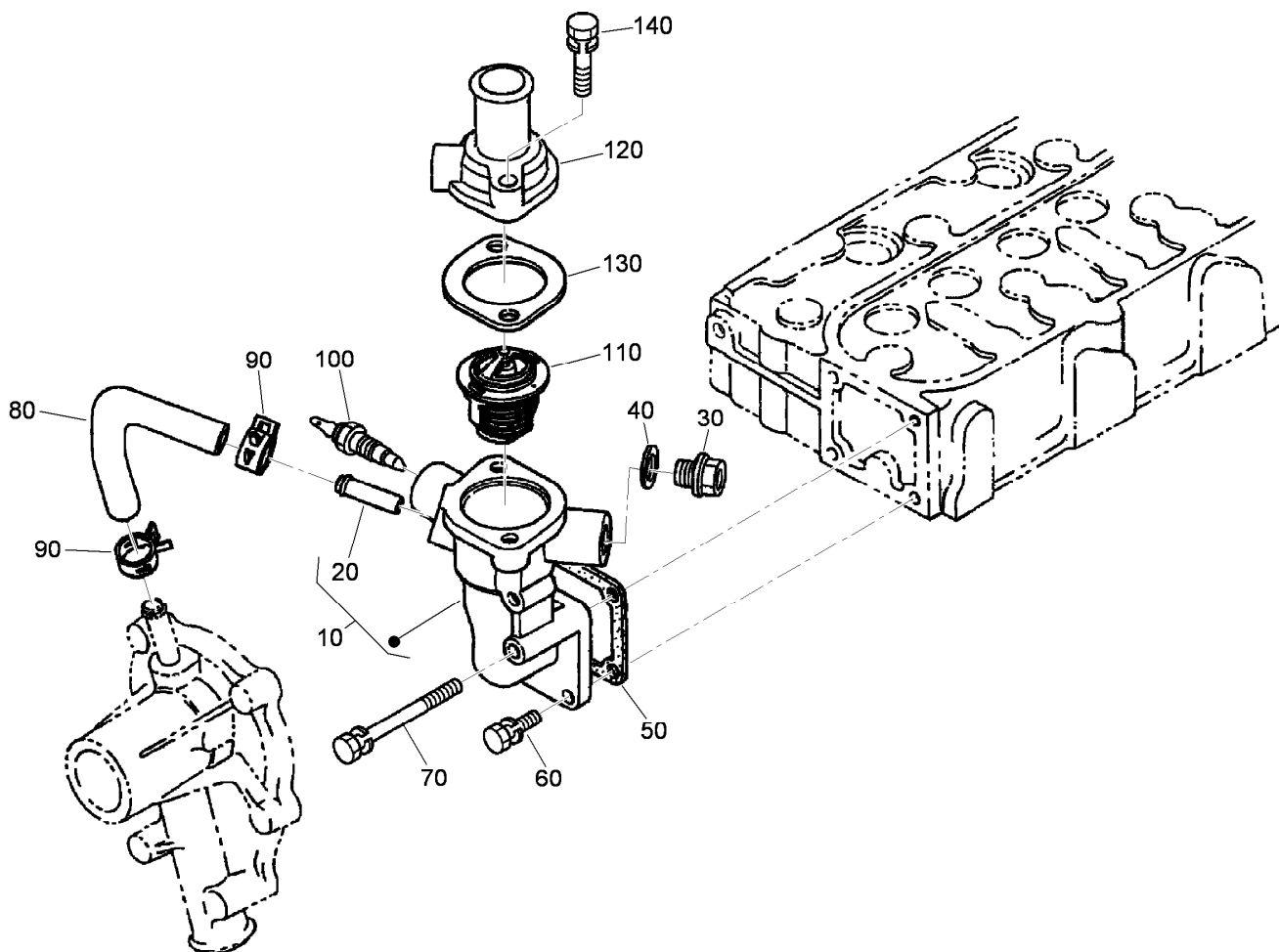
Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	98-7721	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	107-0141	1	Brush Holder ASM
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	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

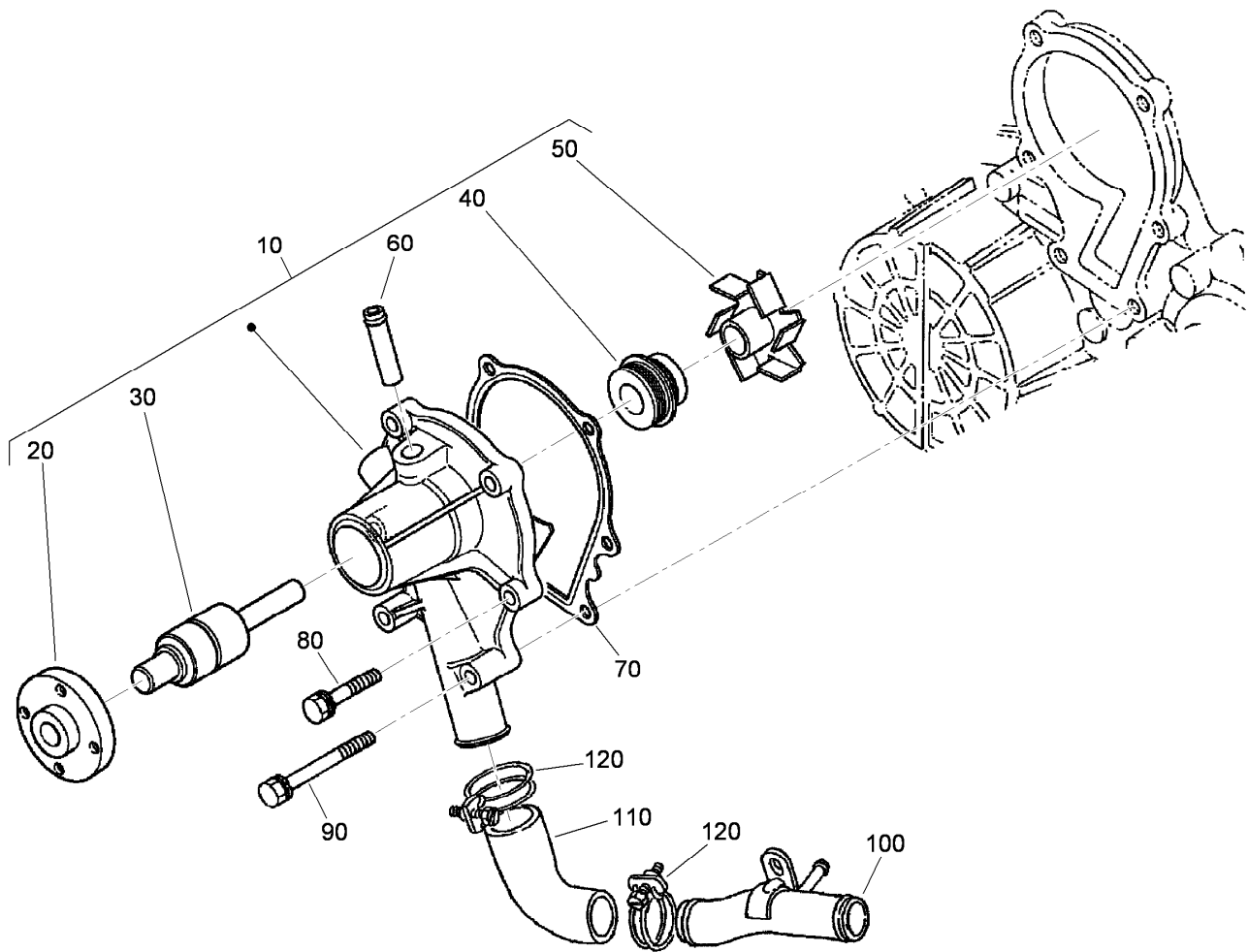
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
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



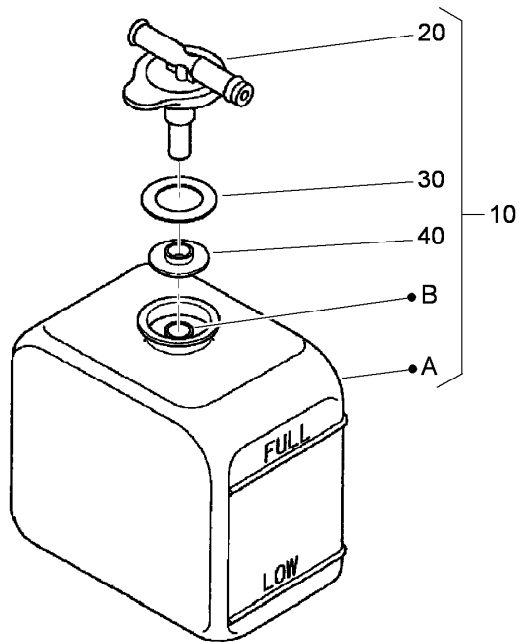
Water Flange and Thermostat Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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	112-0183	1	Switch-Thermometer
110	98-7778	1	Thermostat ASM
120	98-9471	1	Cover-Thermostat
130	105-3748	1	Gasket-Thermostat
140	98-7777	2	Bolt



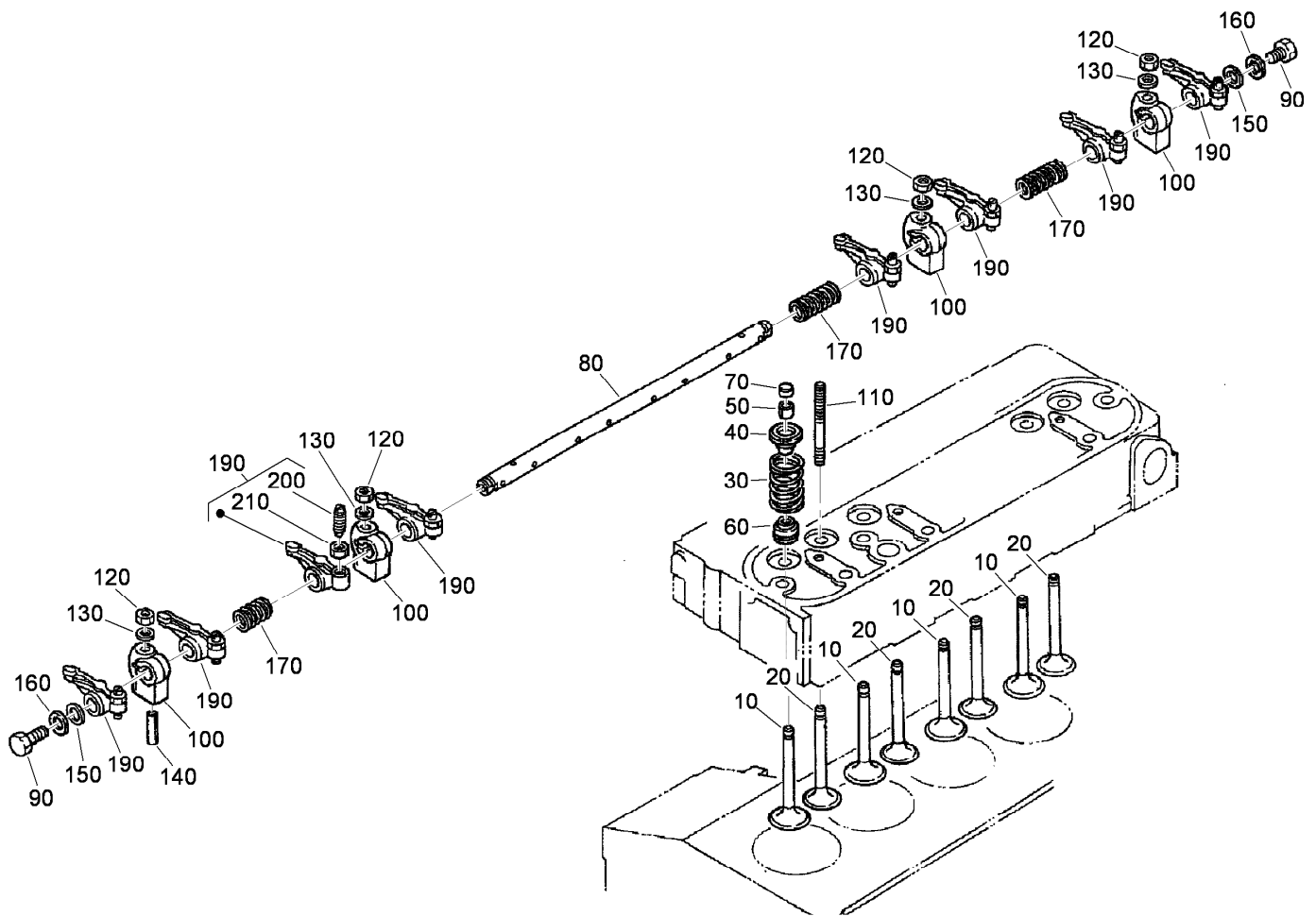
Water Pump Assembly

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	107-9090	2	Bolt
100	99-8379	1	Pipe-Water
110	107-9091	1	Pipe-Water
120	98-9717	2	Clamp



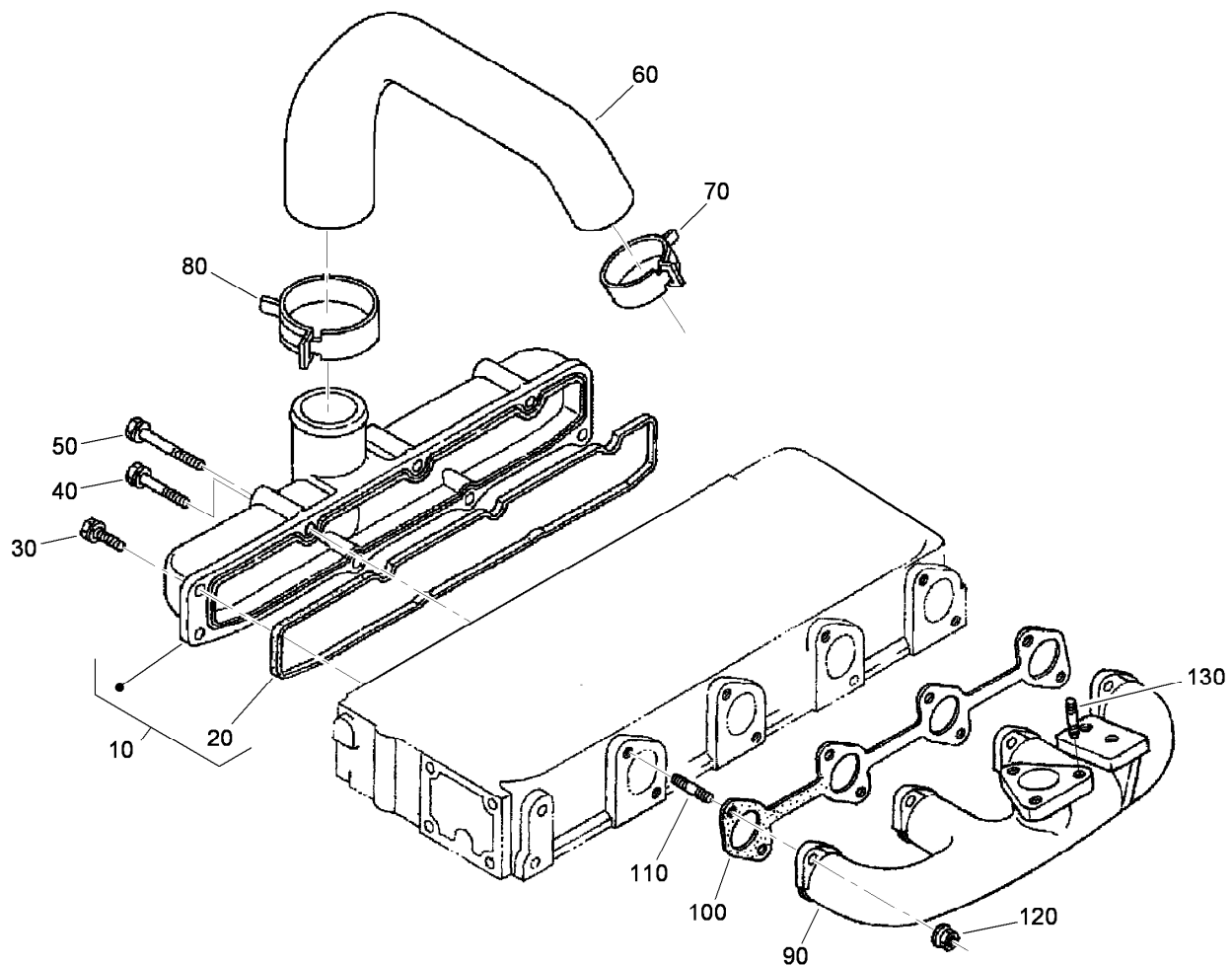
Overflow Bottle Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	104-9318	1	Bottle-Overflow
20	115-4132	1	Cap
30	105-3755	1	Gasket
40	105-3756	1	Plate



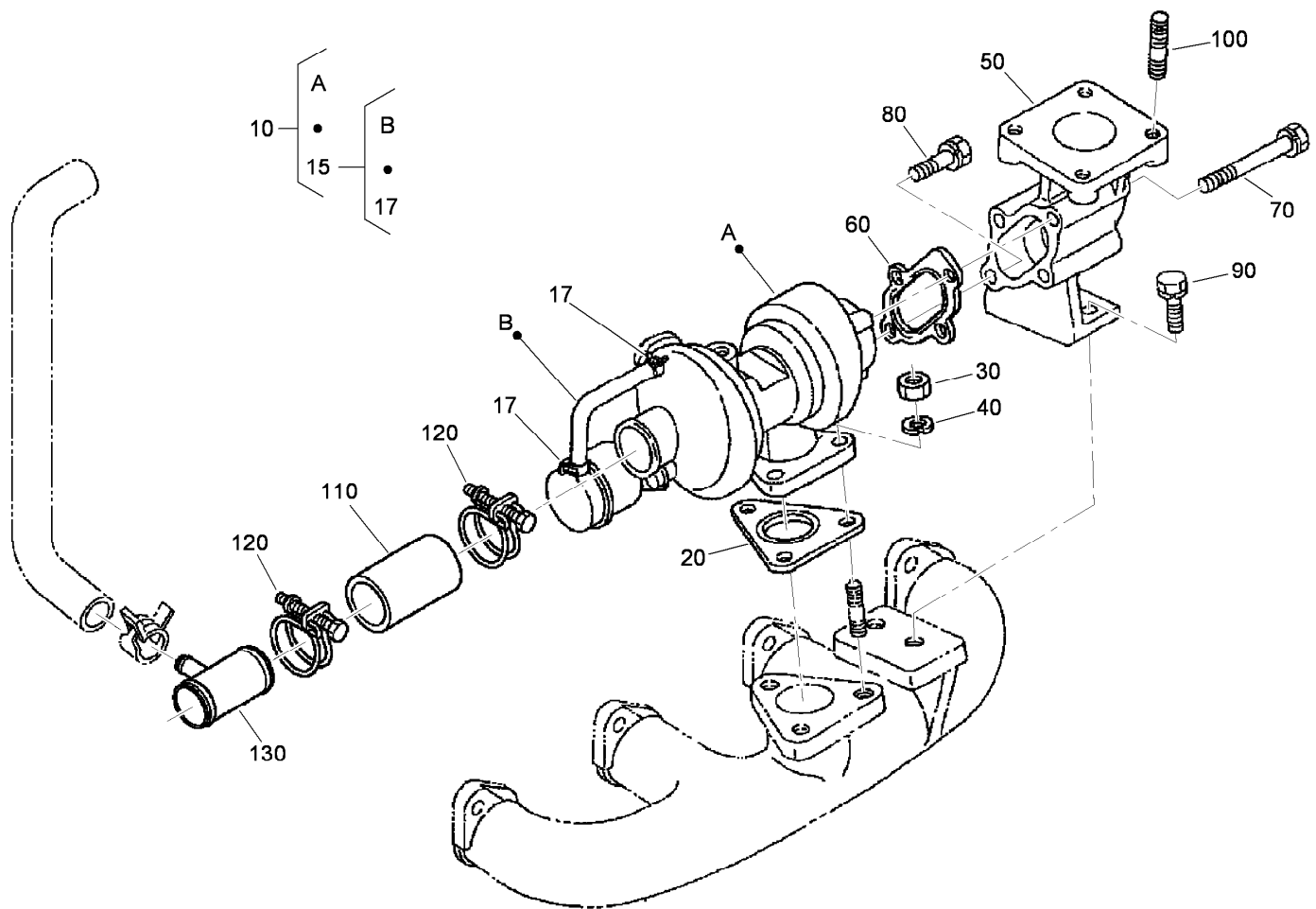
Valve and Rocker Arm Assembly

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, Rocker Arm
160	110-3832	2	Washer-Plain
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



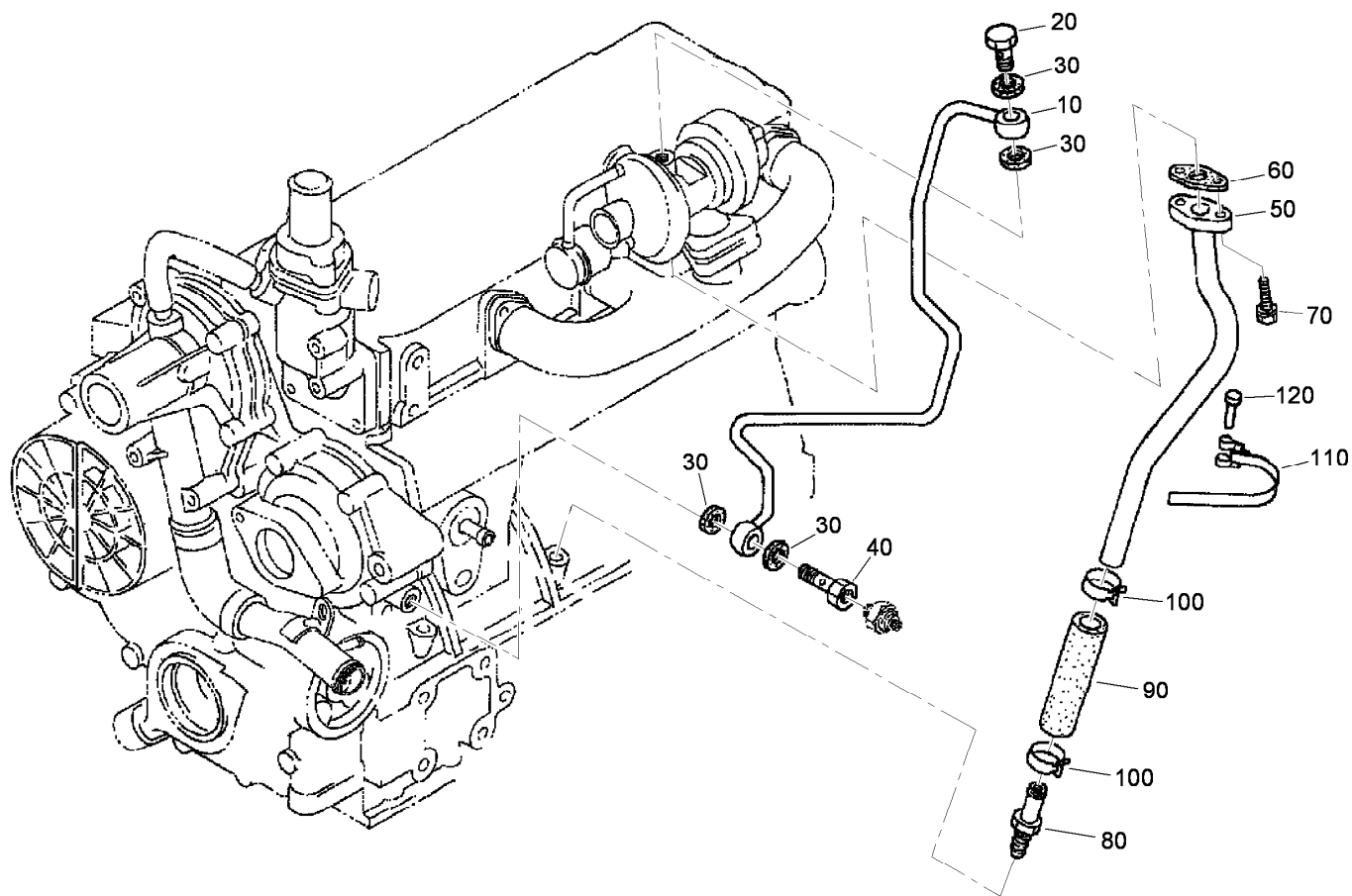
Inlet and Exhaust Manifold Assembly

Ref.	Part Number	Qty.	Description
10	105-3759	1	Inlet Manifold ASM
20	105-3760	1	Gasket-Manifold, Intake
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-Manifold, Exhaust
110	98-9588	8	Stud
120	98-9665	8	Nut
130	99-8342	3	Stud



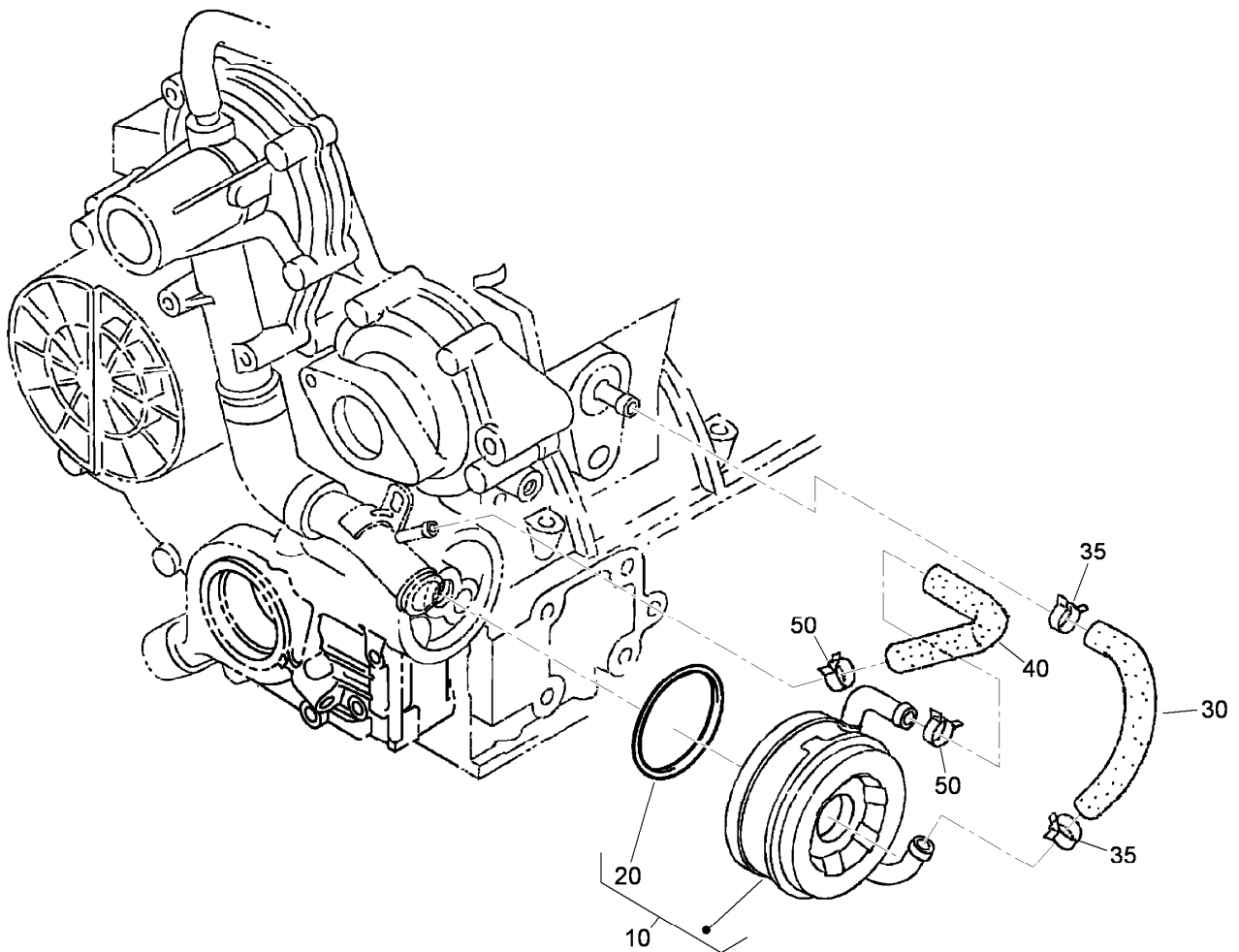
Turbo Charger Assembly

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	115-4100	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 (Turbo Charger) 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	98-9417	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

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	104-5158	1	Oil Cooler ASM
20	112-7030	1	O-Ring
30	98-9724	1	Pipe-Cooler, Oil
35	98-9579	2	Band-Pipe
40	98-9578	1	Pipe-Return, Water
50	98-9579	2	Band-Pipe

Attachments and Accessories

For 30853 Groundsmaster 4300-D Traction Unit

Product Name	Model/Part
Air Ride Seat Suspension Kit.....	03667
Wheel Weight Kit	104-1478
Premium All Season Hydraulic Fluid (55 Gallon Drum)	108-1177
Premium All Season Hydraulic Fluid (5 Gallon Pail).....	108-1178
Premium All Purpose Grease (Tube)	108-1190
Air Cleaner Safety Element.....	108-3813
22in Combo Blade	108-7395-03
ROPS Extension Kit.....	110-8030
Operator Fan Kit - US Sales Only, 3in ROPS Post	110-8804
Weight Plate	110-8985-03
22in High Lift Blade.....	114-0434-03
22in Atomic Blade.....	114-0435-03
Roller Scraper Kit.....	117-0149
Mulching Kit.....	117-0185
22in Angle Sail Blade.....	117-0209-03
Hydraulic Hose Kit	117-0289
22in Rotary Cutting Unit Sectional Roller ASM	117-0297
Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail)	119-2157
Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum).....	119-2158
Service Pack-Combo Blade	119-6957
Large Seat Cover.....	120-5179
Premium Engine Oil 10w30 (55 Gallon Drum)	121-6392
Premium Engine Oil 10w30 (5 Gallon Pail)	121-6393
Canopy Completion Kit	130-5895
400-Hour Filter Maintenance Kit	30055
Universal Sunshade	30349
22in Rotary Cutting Unit.....	30845
Spark Arrestor	98-9099

Notes:



Count on it.