Form No. 3478-441 Rev A

TORO®

Count on it.

Parts Catalog

Groundsmaster® 4300

Traction Unit

Model No. 30879—Serial No. 419000000 and Up

Register at www.Toro.com.
Original Instructions (EN)

CE

3478-441 A

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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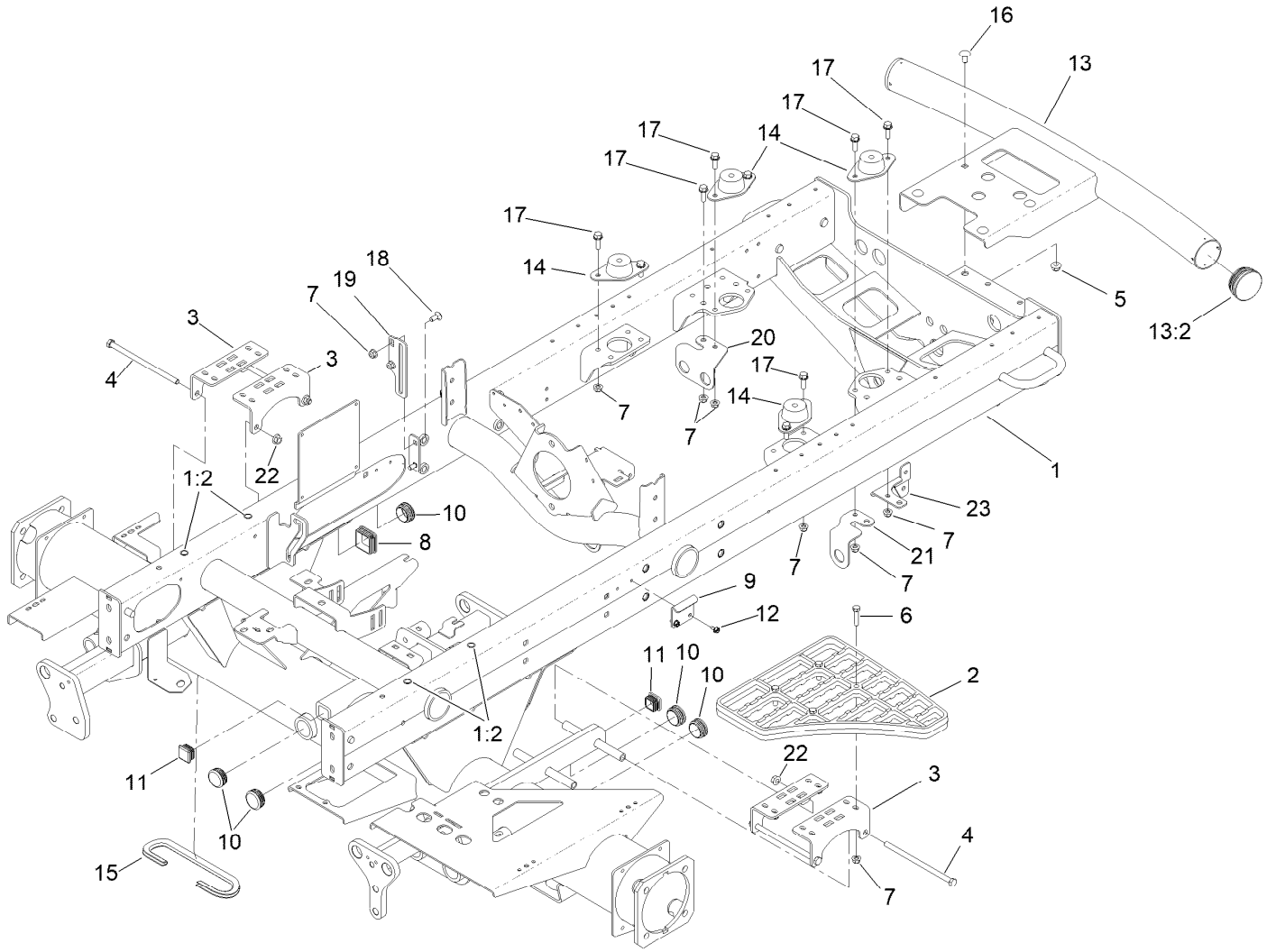
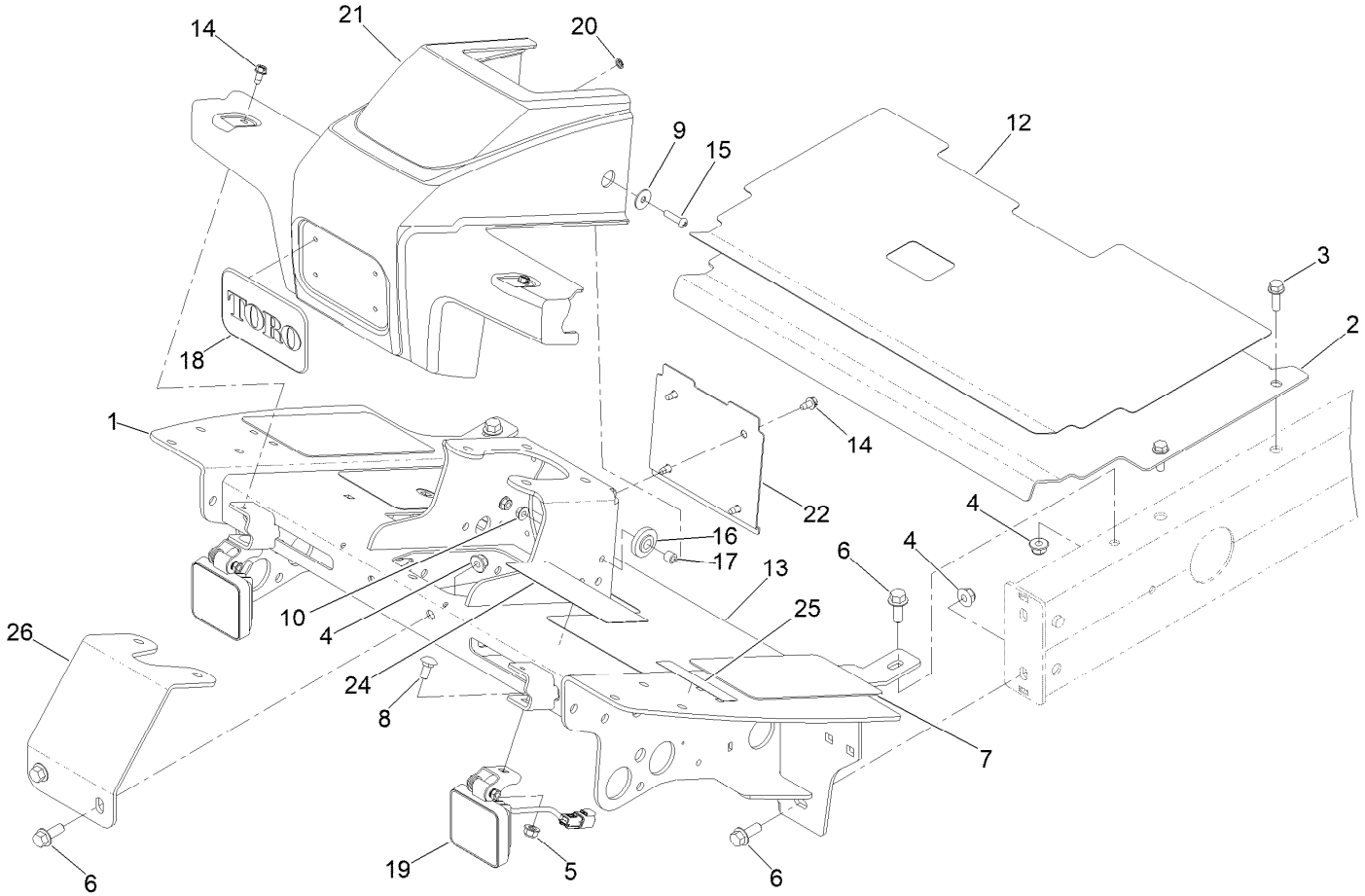


Frame Assembly

Ref.	Part Number	Qty.	Description
1	145-2503	1	Frame ASM
1:2	32148-7	4	Nut-Clinch
2	110-9041	1	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	4	Screw-HH
7	104-8300	15	Nut-HF, NI
8	95-9495	1	Cap
9	110-8972	1	Hook-Latch
10	110-9012	5	Caplug
11	110-9013	2	Caplug
12	32104-17	2	Screw-HWH

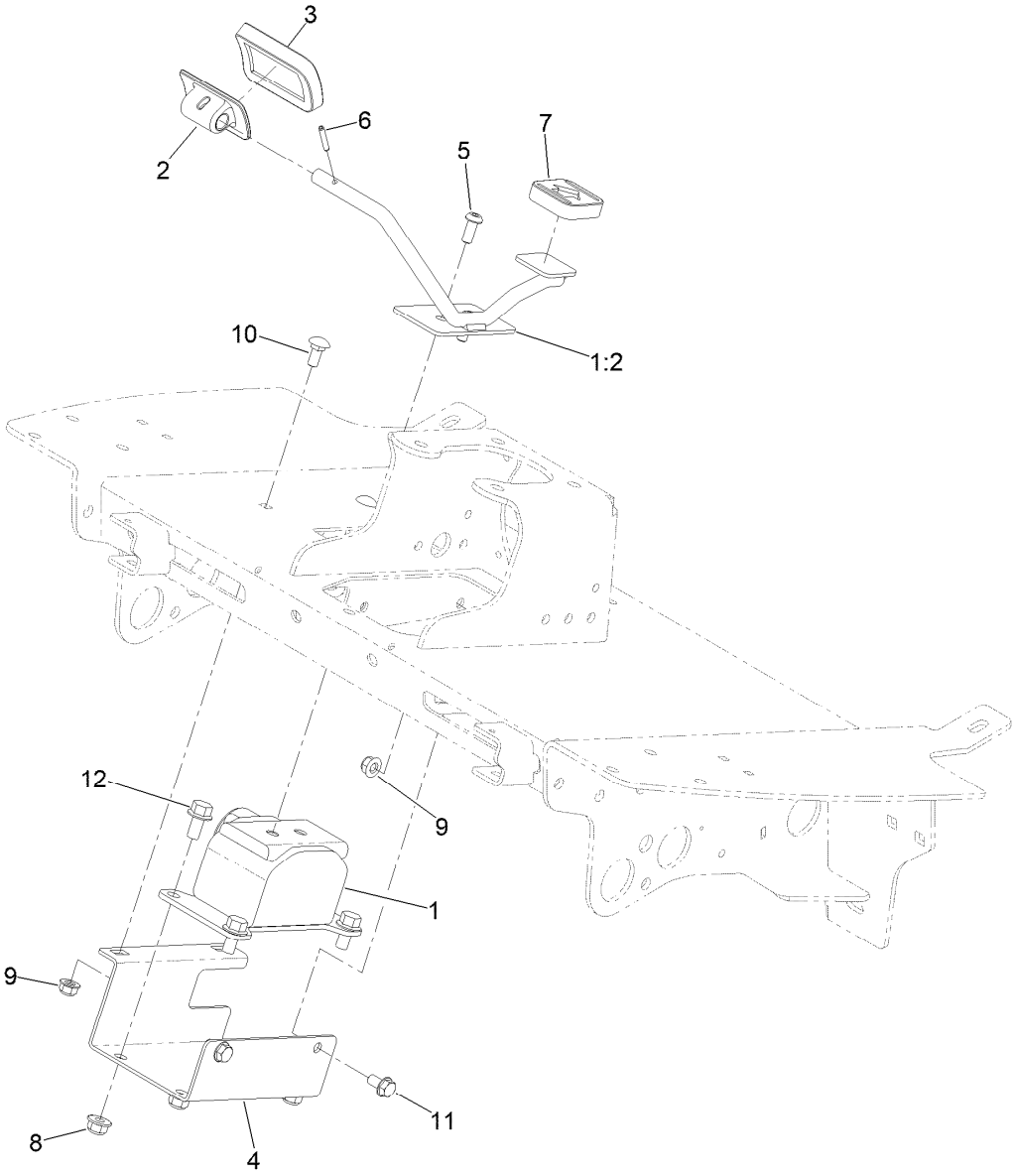
Ref.	Part Number	Qty.	Description
13	147-3550	1	Bumper ASM
13:2	2410-42	2	Cap-End
14	120-6274	4	Mount-Engine
15	145-2520	1	Trim-Brake Hose
16	3231-21	4	Screw-CARR
17	3234-29	9	Screw-HHF
18	3230-1	2	Bolt-CARR
19	108-7584-01	1	Plate-Guide, Rod
20	117-0155	1	Bracket-4Wd, LH
21	117-0154	1	Bracket-4Wd, RH
22	32128-21	4	Nut-HF Lock
23	133-2985	1	Brkt-Tube Clamp



Platform and Shroud Assembly

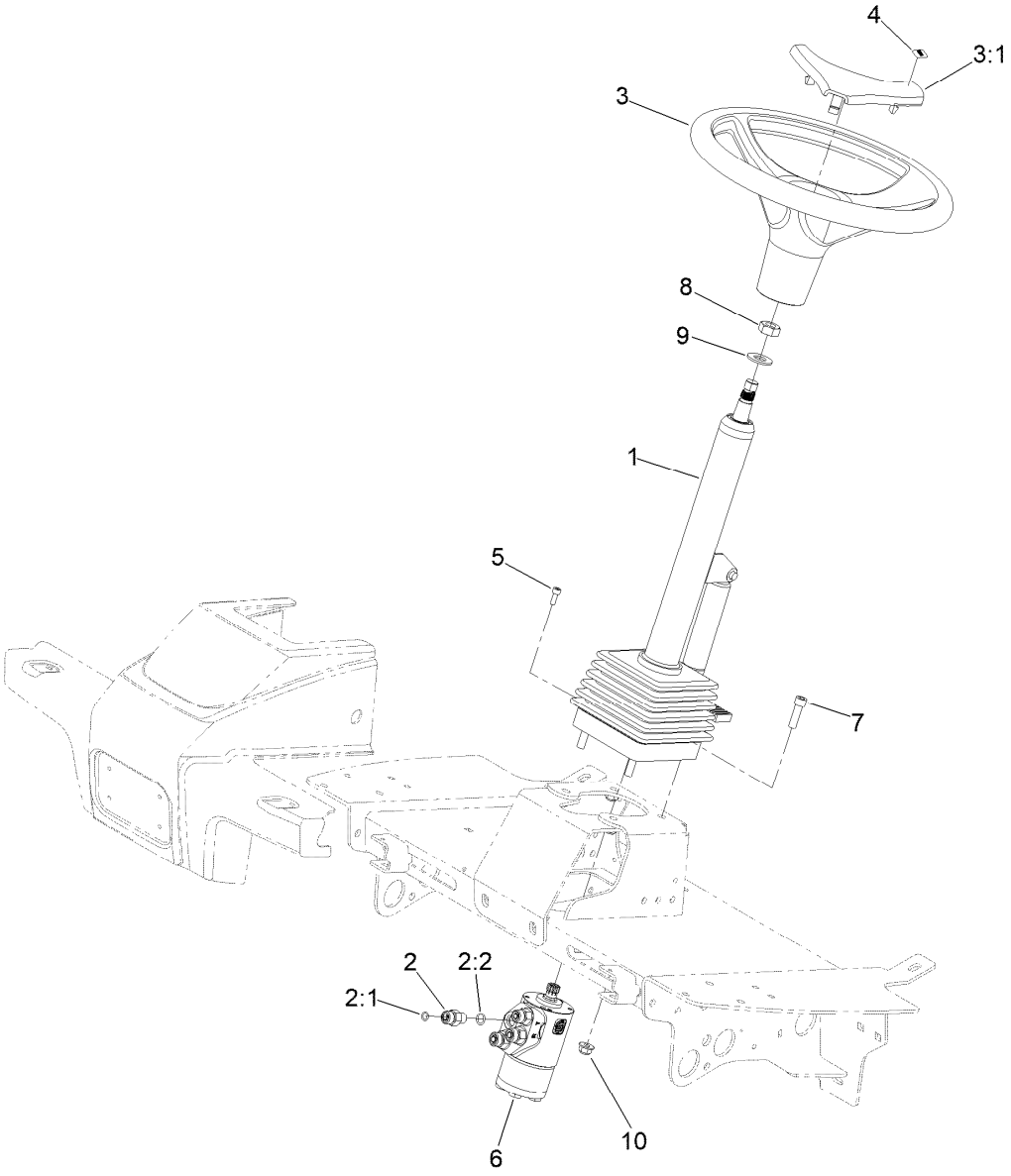
Ref.	Part Number	Qty.	Description
1	145-2490-01	1	Platform ASM
2	115-8064-01	1	Plate-Floor
3	3234-17	4	Screw-HHF
4	104-8301	6	Nut-HF, NI
5	104-8300	2	Nut-HF, NI
6	3234-11	6	Screw-HHF
7	125-2910	2	Tread-Floor, Side
8	3230-1	2	Bolt-CARR
9	87-6630	2	Washer-Plain
10	32128-33	2	Nut-HF
12	125-2911	1	Tread-Panel, Service
13	145-2510	1	Tread-Floor Board
14	32104-17	6	Screw-HWH

Ref.	Part Number	Qty.	Description
15	106-9518	2	Screw-PRH
16	240-11	2	Bushing-Flange
17	66-8010	2	Spacer
18	93-6028	1	Plate-Logo
19	145-2598	2	Light-Work, LED
20	138-6996	4	Nut-Push
21	110-0944	1	Shroud-Platform
22	110-0947-03	1	Plate-Cover
24	133-2930	1	Decal-Danger
24	133-2931	1	Decal-Danger (CE)
25	133-8062	1	Decal-Spark Arrestor
26	110-8876-0P	1	Brace-Column



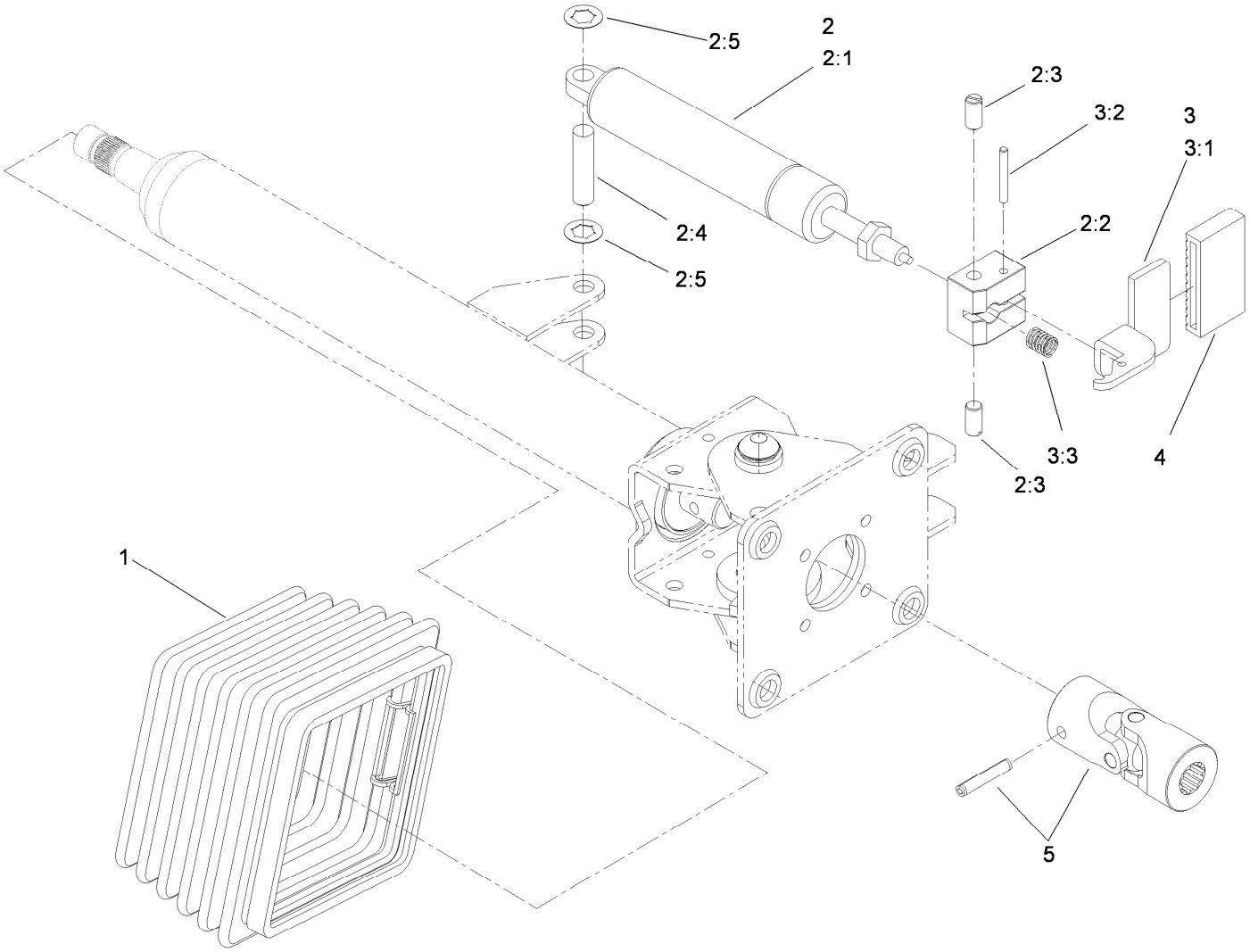
Pedal Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	145-2545	1	E-Pedal ASM
1:2	145-2521	1	Pedal ASM
2	117-9507	1	Pedal-Accelerator
3	74-9100	1	Pad-Pedal, Forward
4	145-2489-0P	1	Bracket-Pedal, Mount
5	3274-96	2	Screw-HSBH
6	32121-45	1	Pin-Spring
7	74-9110	1	Pad-Pedal, Reverse
8	104-8301	4	Nut-HF, NI
9	104-8300	4	Nut-HF, NI
10	3230-1	2	Bolt-CARR
11	3234-7	2	Screw-HHF
12	3234-1	4	Screw-HHF



Steering Assembly

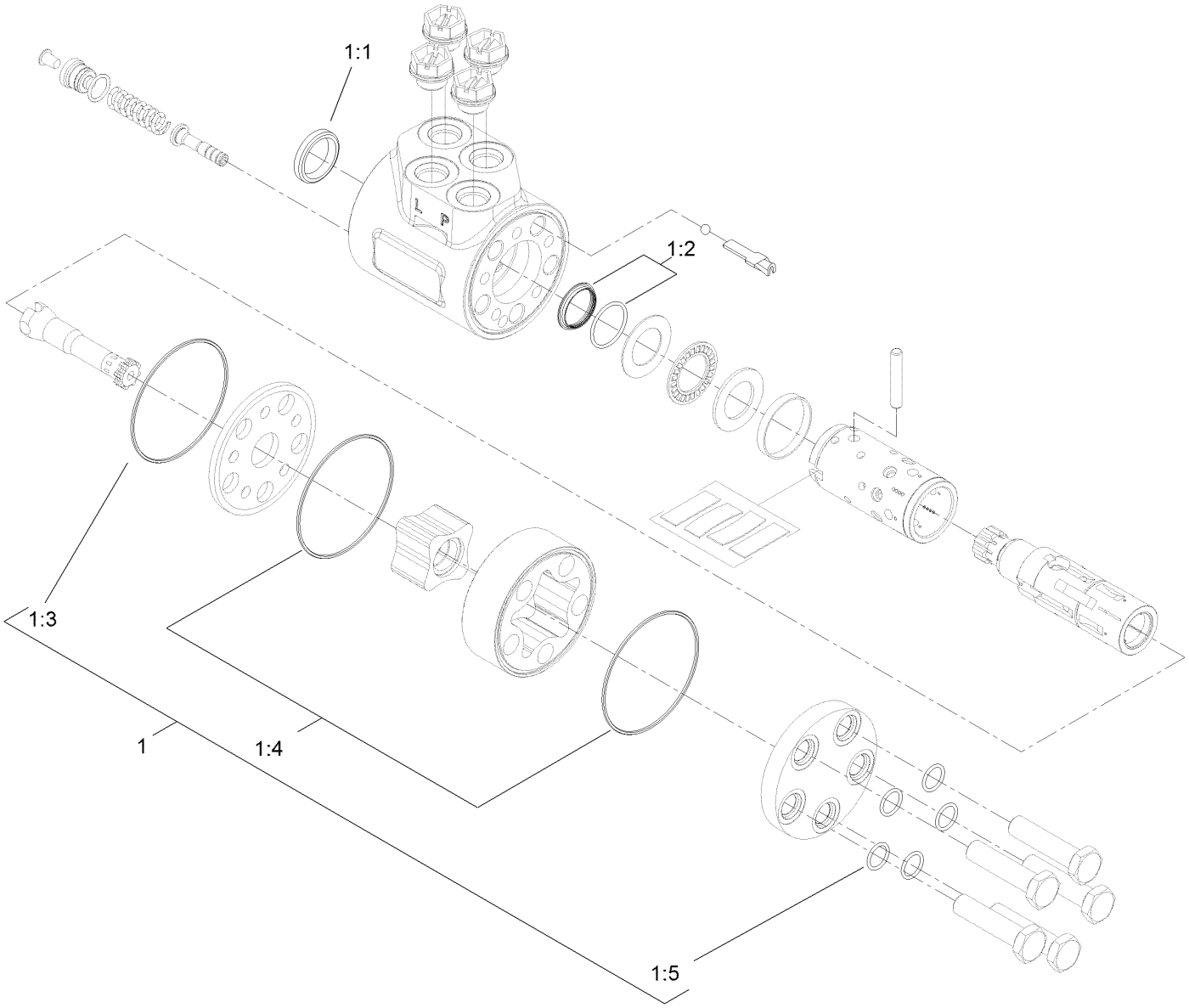
Ref.	*Part Number*	*Qty.*	*Description*
1	106-3622	1	Steering Tilt Column ASM
2	340-2	4	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	98-1459	1	Decal
5	105-2409	4	Screw-HSH
6	106-3621	1	Steering Valve ASM
7	3274-1	4	Screw-HSH
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

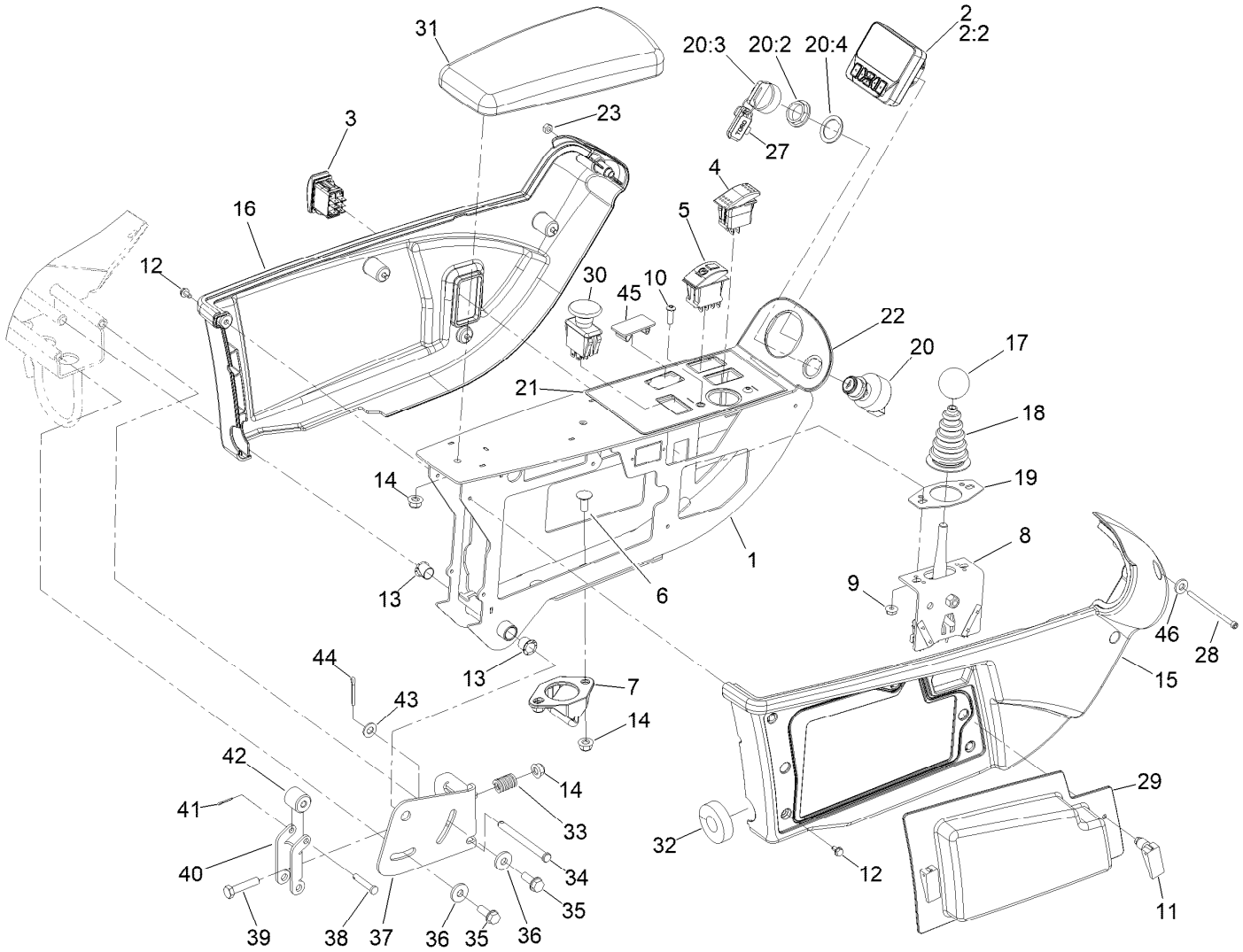
● Not serviced separately



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 ●

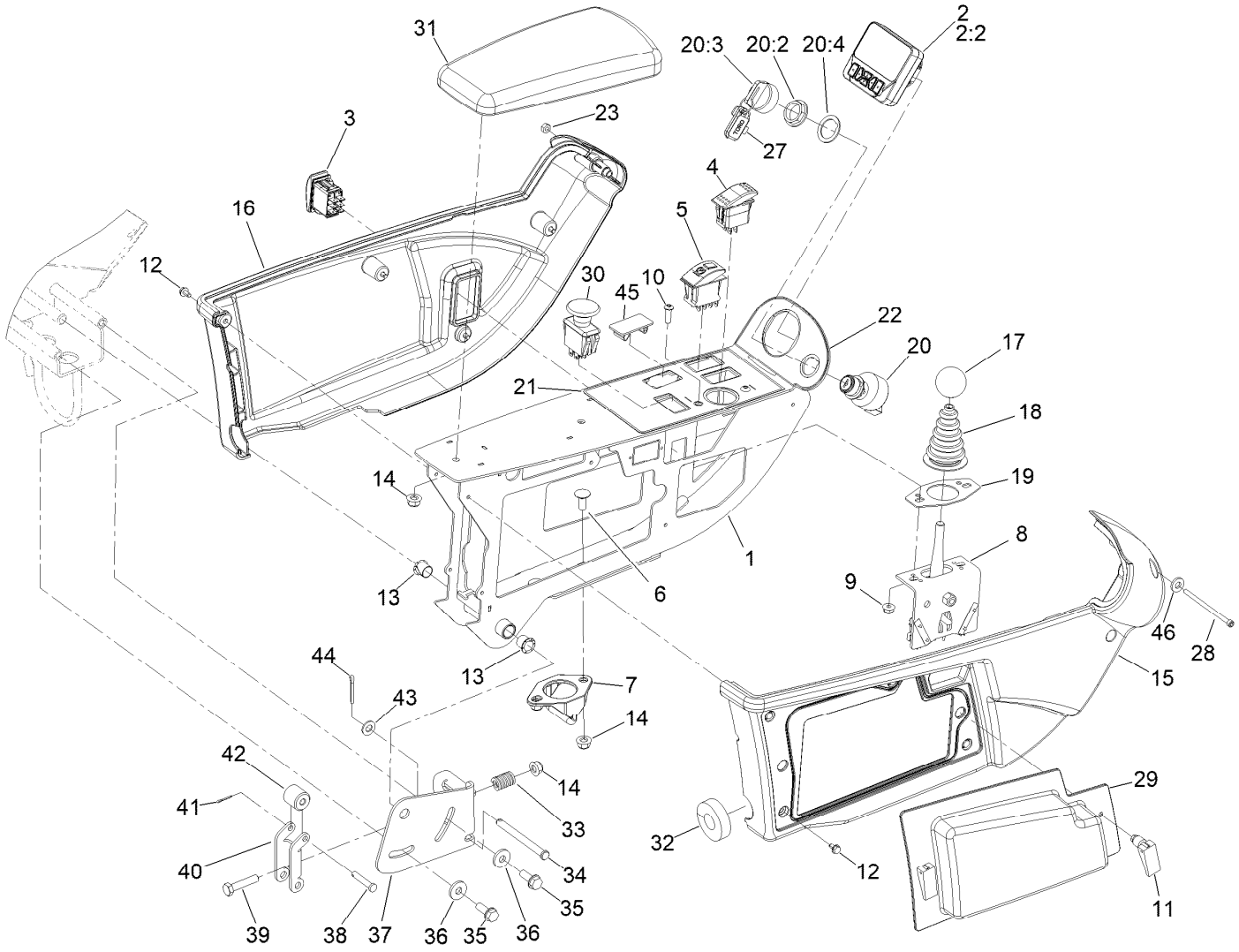
● Not serviced separately



Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	145-2474-03	1	Frame ASM, Control Arm [black]
2	161-1700	1	Display-LCD
2:2	161-1723	1	Nut-Display
3	95-8999	1	Switch-Rocker, On-None-On
4	114-3329	1	Switch-Rocker
5	111-2254	1	Switch-Rocker, On-None-On
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	3274-69	2	Screw-HSBH
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

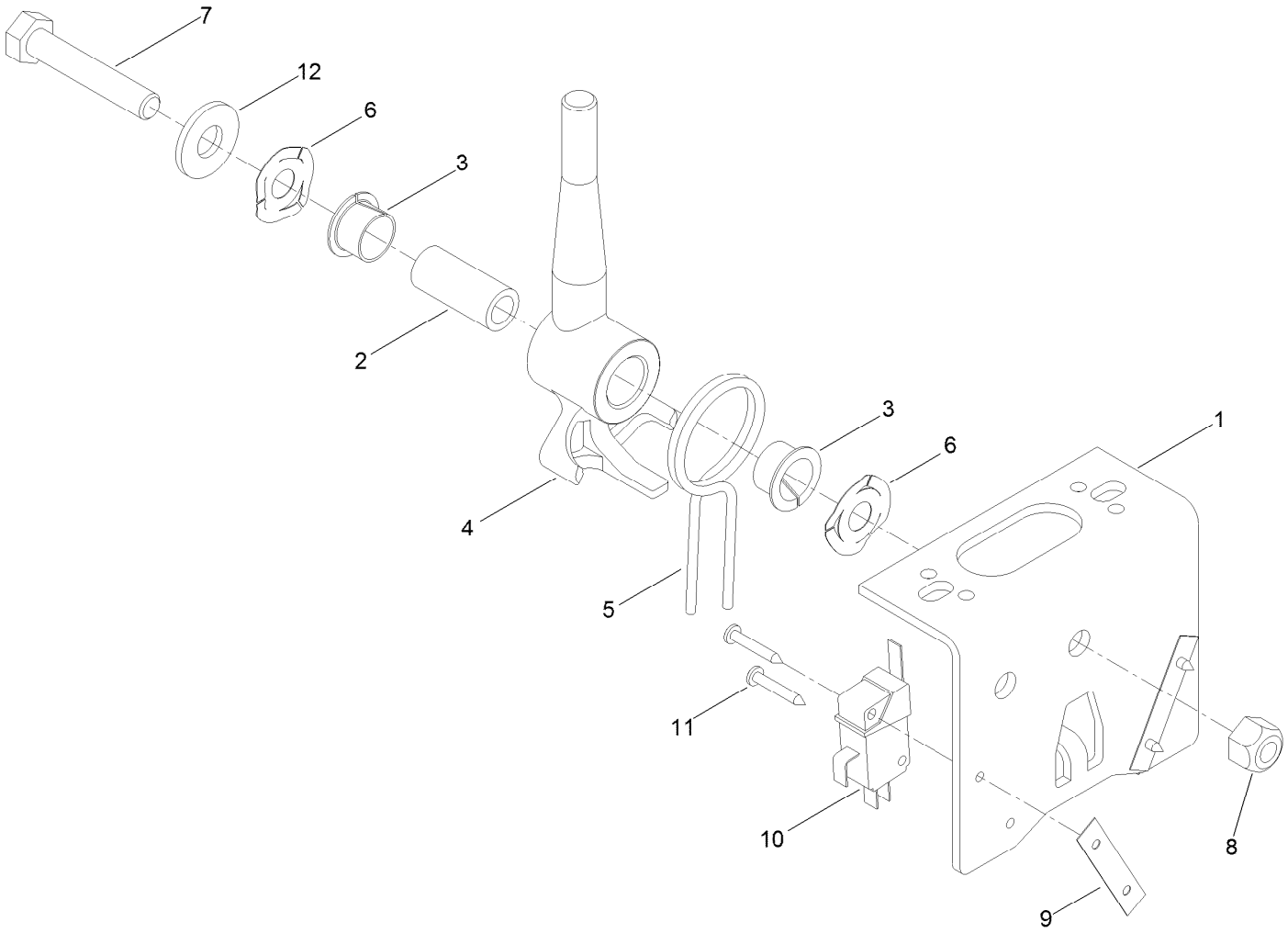
Ref.	Part Number	Qty.	Description
18	93-5961	1	Boot-Lever
19	112-9181	1	Plate-Boot
20	106-5269	1	Ignition Switch ASM
20:2	108-8660	1	Nut-Mounting
20:3	106-5270	1	Ignition Key Set
20:4	108-8659	1	Washer-Backup
21	145-2483	1	Decal-Control Panel
22	120-4158	1	Decal-Console, Upper
23	3296-2	1	Nut-Lock, NI
27	99-8970	1	Key-Latch, Hood
28	161-8374	1	Screw-HSH
29	114-0446	1	Panel-Access
30	93-9999	1	Switch-PTO
31	108-7602	1	Rest-Arm
32	145-2594	1	Seal-Foam
33	110-5331	1	Spring-Compression
34	283-88	1	Pin-Clevis
35	32144-41	2	Screw-Taptite
36	4-2390	2	Washer-Flat
37	110-5313-03	1	Bracket-Retainer
38	283-73	1	Pin-Clevis



Control Panel Assembly (continued)

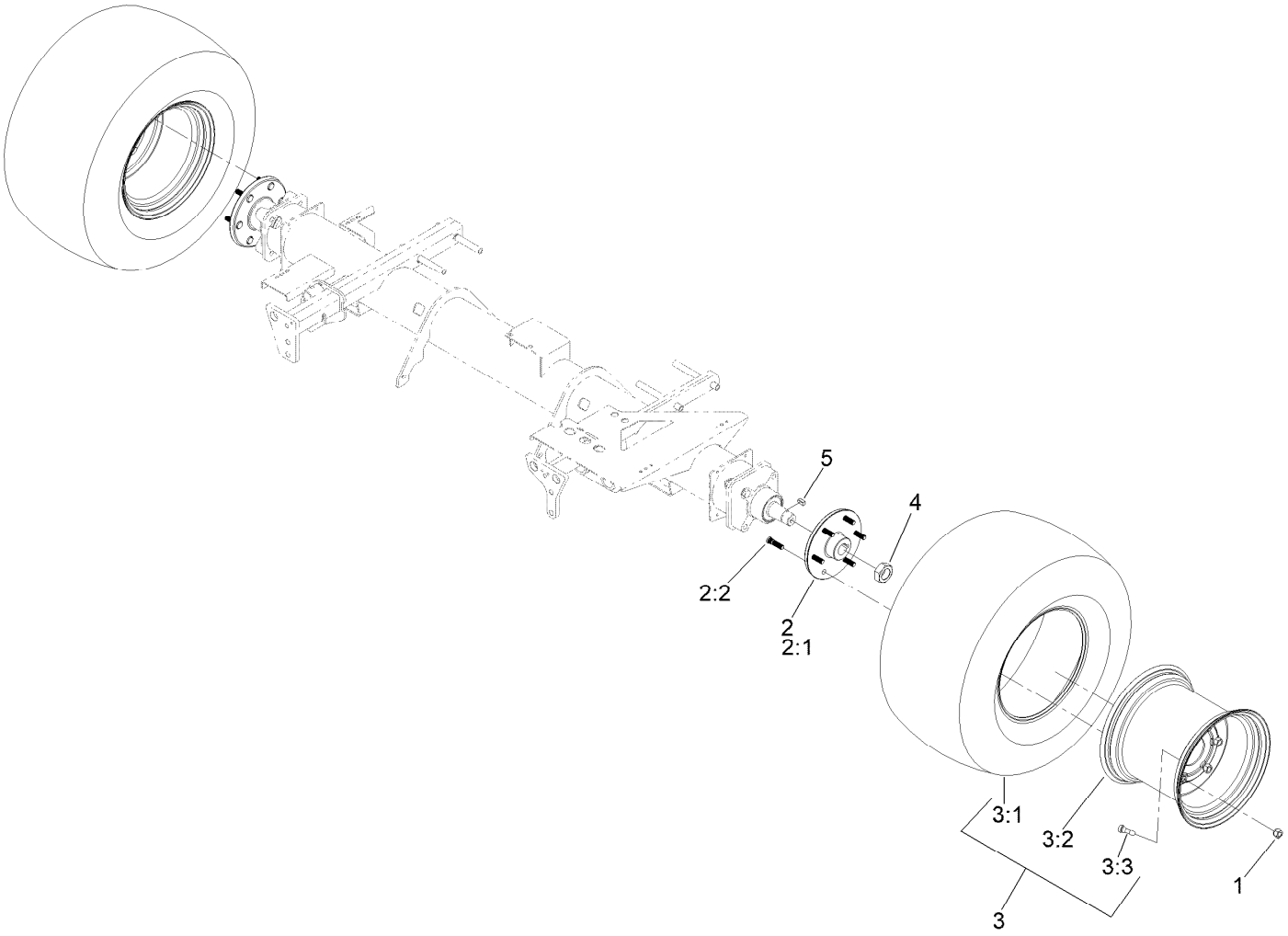
Ref.	Part Number	Qty.	Description
39	322-7	1	Screw-HH
40	110-5314	1	Latch
41	3272-1	1	Pin-Cotter
42	110-8856	1	Spacer

Ref.	Part Number	Qty.	Description
43	3256-23	1	Washer-Plain
44	3272-11	1	Pin-Cotter
45	99-7420	1	Plug-Hole
46	3256-51	1	Washer-Flat



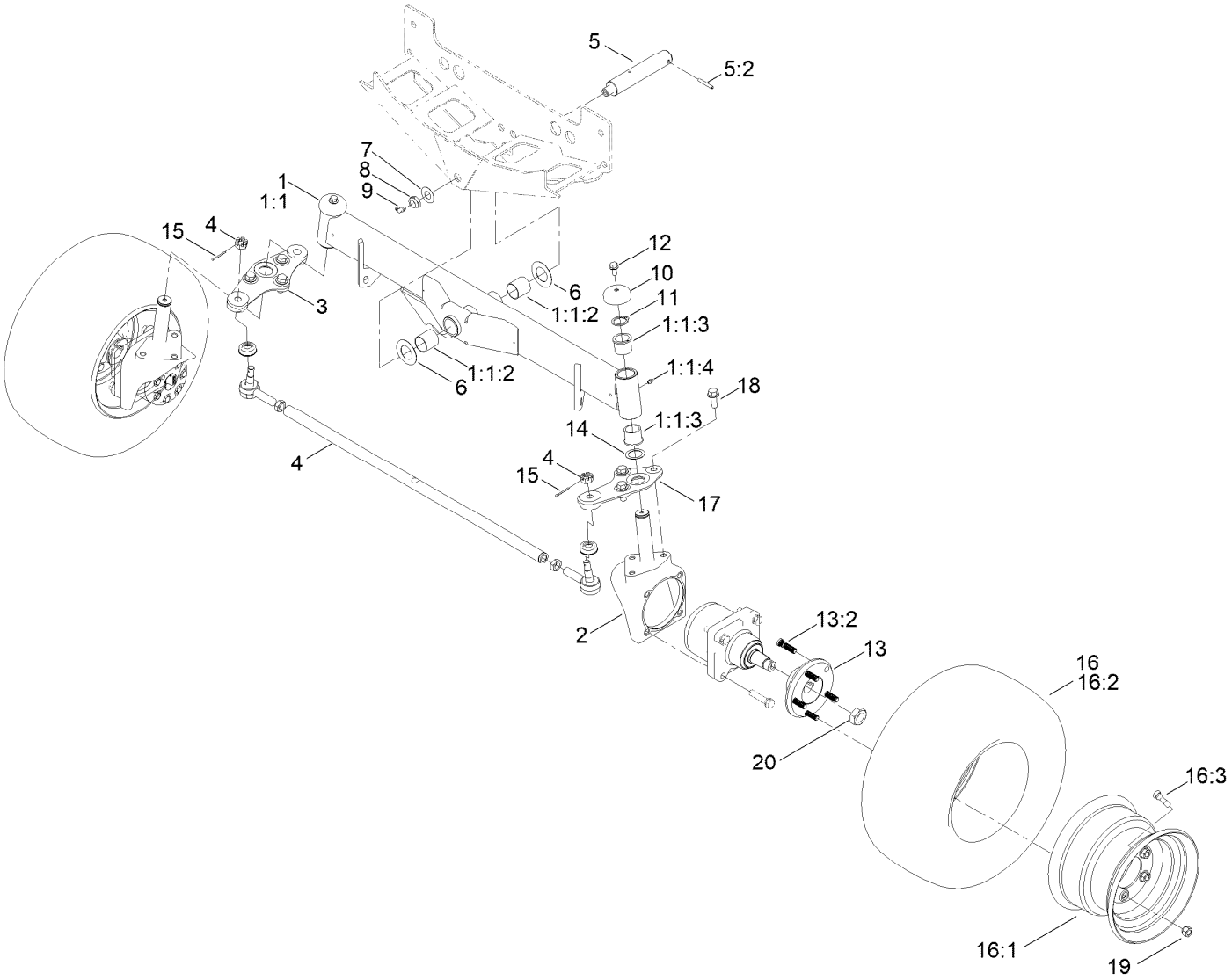
Joystick Bracket Assembly No. 120-5280

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	139-2564	12	Nut-Lug
2	144-2058	2	Hub ASM (1.50)
2:1	136-7971	1	Hub-Wheel
2:2	114-3918	6	Stud-Wheel
3	139-6048	2	Tire ASM
3:1	133-2724	1	Tire
3:2	139-6049	1	Wheel
3:3	232-27	1	Stem-Valve
4	117-3290	2	Nut-Hex
5	117-5198	2	Key-Square

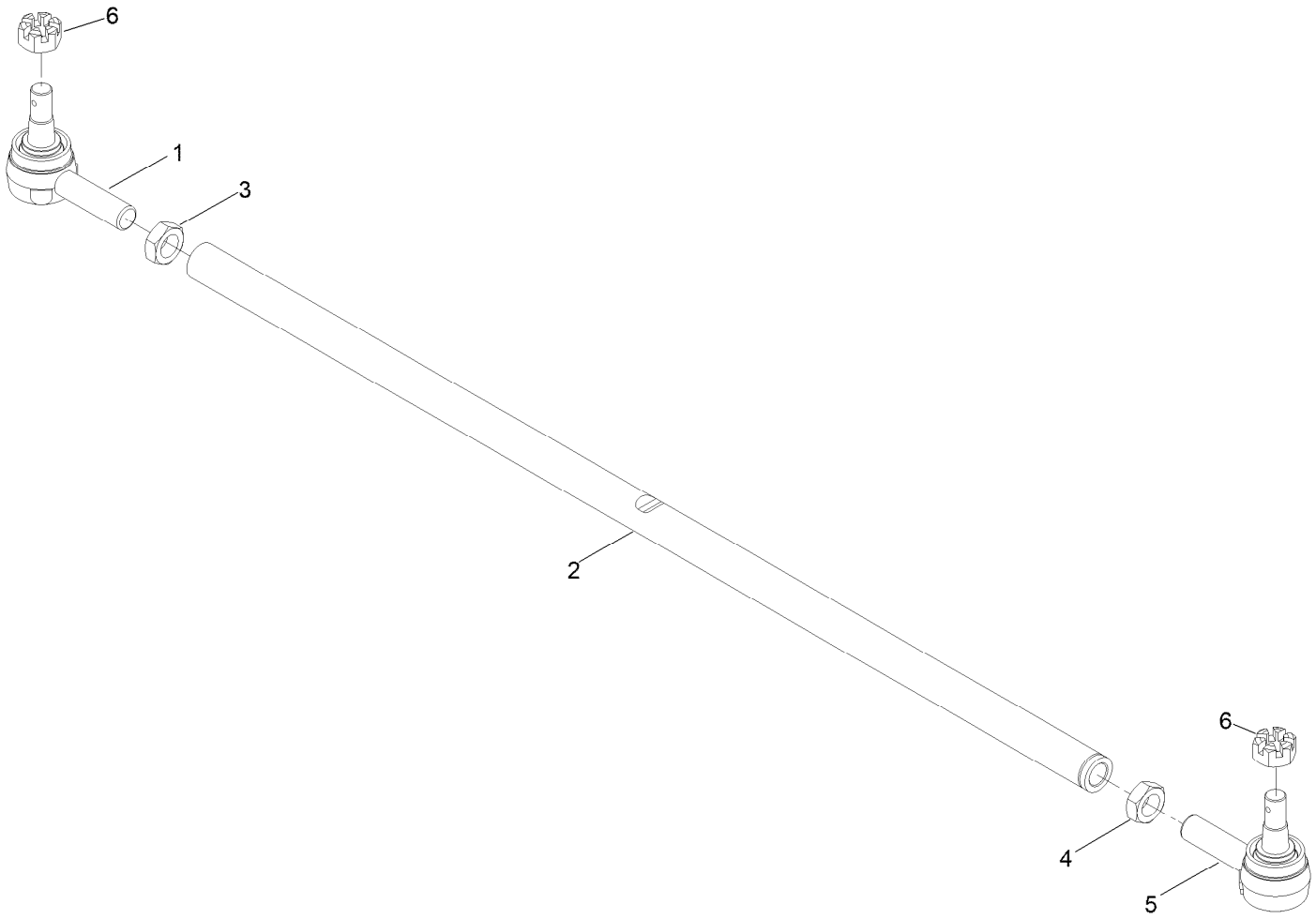


Rear Axle Assembly

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	161-5128	2	Housing-Motor
3	140-3142	1	Link-Drag, RH
4	139-6029	1	Tie Rod ASM
5	140-6101	1	Pin ASM-Axle Pivot
5:2	32121-32	1	Pin-Roll
6	99-8432	2	Washer-Thrust
7	71-4540	1	Washer-Thrust
8	3296-15	1	Nut-Lock, NI
9	302-33	1	Fitting-Grease
10	69-8890	2	Cap-Spindle

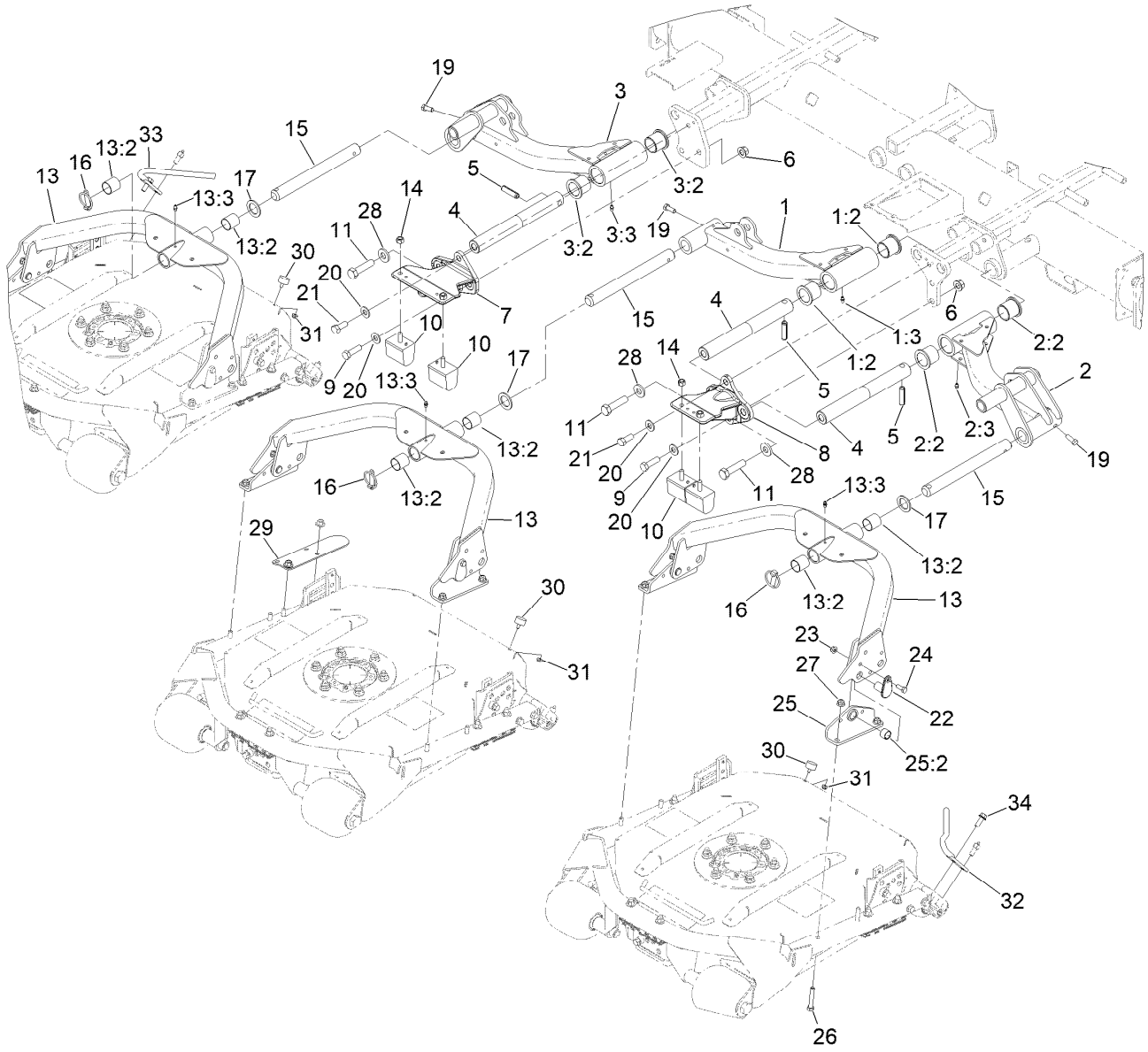
Ref.	Part Number	Qty.	Description
11	32151-77	2	Ring-Retaining, External
12	3234-1	2	Screw-HHF
13	121-5633	2	Hub ASM
13:2	114-3918	5	Stud-Wheel
14	76-2980	2	Washer-Thrust
15	3272-12	2	Pin-Cotter
16	117-0281	2	Rim And Tire ASM
16:1	117-0280	1	Rim
16:2	117-5125	1	Tire
16:3	232-27	1	Stem-Valve
17	140-3144	1	Link-Drag, LH
18	3234-38	6	Screw-HHF
19	139-2564	10	Nut-Lug
20	26-3790	2	Nut-Lock

● Not serviced separately



Tie Rod Assembly No. 139-6029

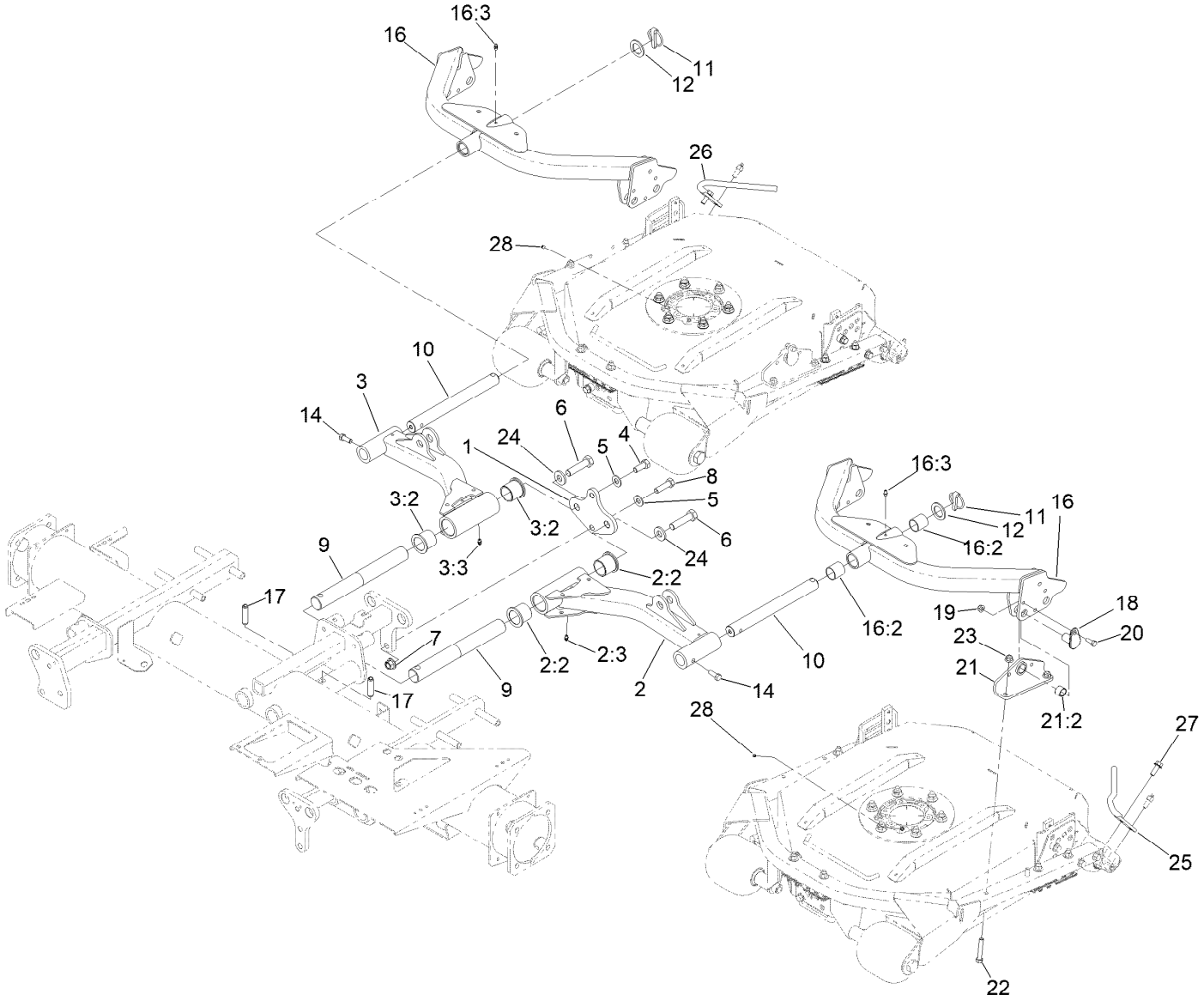
Ref.	*Part Number*	*Qty.*	*Description*
1	144-3901	1	Tie Rod End
2	139-6030	1	Rod-Tie
3	84-5300	1	Nut-Jam
4	110-5337	1	Nut-Jam
5	144-3902	1	Tie Rod End
6	140-6135	2	Nut-Hex, Slotted



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

Ref.	Part Number	Qty.	Description
1	136-3491	1	No 1 Lift Arm ASM
1:2	69-6470	2	Bushing-Caster
1:3	302-5	1	Fitting-Grease
2	136-3494	1	No 4 Lift Arm ASM
2:2	69-6470	2	Bushing-Caster
2:3	302-5	1	Fitting-Grease
3	136-3500	1	No 5 Lift Arm ASM
3:2	69-6470	2	Bushing-Caster
3:3	302-5	1	Fitting-Grease
4	117-0208	3	Shaft-Pivot, Liftarm
5	32121-122	3	Pin-Roll
6	99-5107	4	Nut-HF Nylock
7	117-0250-03	1	Tipper-RH
8	117-0252-03	1	Tipper-LH
9	325-7	4	Screw-HH
10	87-3470	4	Bumper
11	327-7	3	Screw-HH
13	136-3515	3	Carrier Frame ASM
13:2	108-4000	2	Bushing
13:3	302-5	1	Fitting-Grease
14	33025-00	4	Nut-Lock, NI

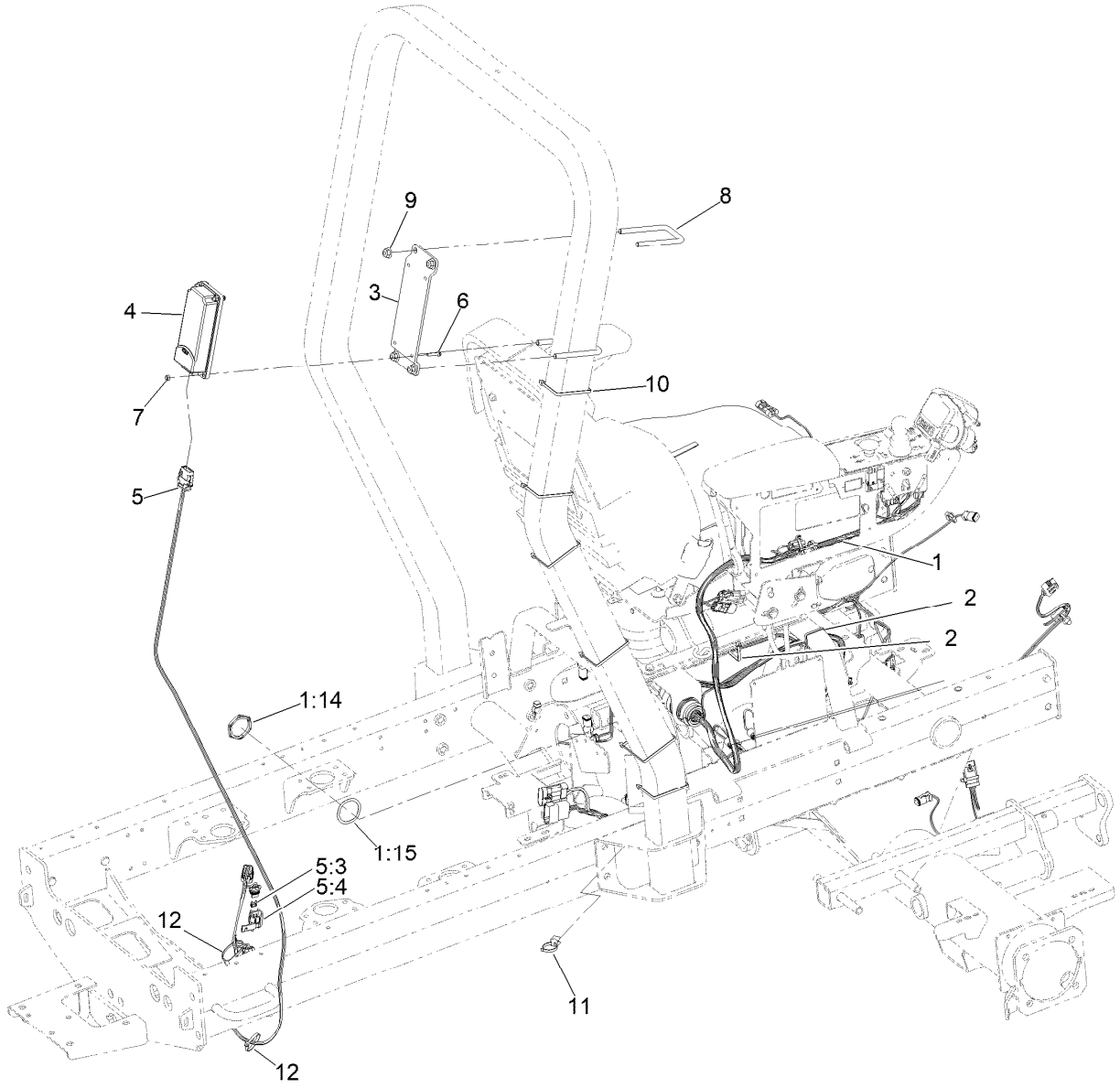
Ref.	Part Number	Qty.	Description
15	105-7560	3	Shaft-Cu Pivot
16	283-71	3	Pin-Lynch
17	3-6781	3	Washer-Flat
19	323-6	3	Screw-HH
20	87-7270	6	Washer-Thrust
21	325-5	2	Screw-HH
22	136-3568	6	Pin-Flag (Mach)
23	104-8300	6	Nut-HF, NI
24	322-4	6	Screw-HH
25	117-0118	6	Pivot ASM
25:2	108-8482	1	Bushing-Sleeve
26	323-11	12	Screw-HH
27	104-8301	12	Nut-HF, NI
28	99-7667	3	Washer-Flat
29	105-9831-03	1	Bracket-Bumper, No. 1
30	240-14	3	Bumper-Rubber
31	104-7201	3	Nut-HF, NI
32	127-2613-03	1	Guard-Foot, LH
33	127-2614-03	1	Guard-Foot, RH
34	3234-11	2	Screw-HHF



No. 2 and 3 Lift Arm and Deck Assembly

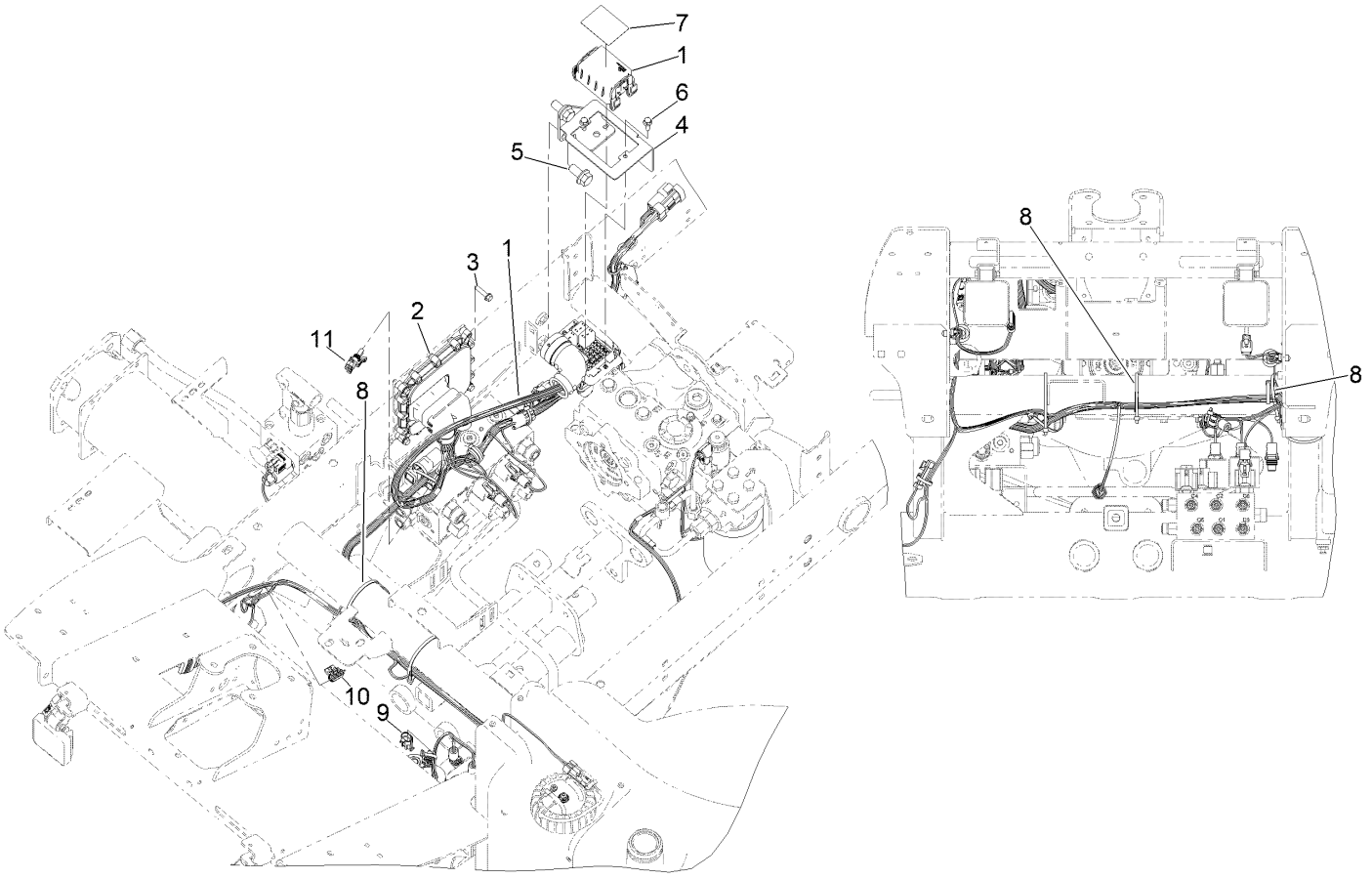
Ref.	Part Number	Qty.	Description
1	114-0352-0P	1	Plate - Bridge, No 2&3
2	136-3492	1	No 2 Lift Arm ASM
2:2	69-6470	2	Bushing-Caster
2:3	302-5	1	Fitting-Grease
3	136-3493	1	No 3 Lift Arm ASM
3:2	69-6470	2	Bushing-Caster
3:3	302-5	1	Fitting-Grease
4	325-5	1	Screw-HH
5	87-7270	2	Washer-Thrust
6	327-7	2	Screw-HH
7	99-5107	1	Nut-HF Nylock
8	325-7	1	Screw-HH
9	117-0208	2	Shaft-Pivot, Liftarm
10	105-7560	2	Shaft-Cu Pivot
11	283-71	2	Pin-Lynch
12	3-6781	2	Washer-Flat
14	323-6	2	Screw-HH

Ref.	Part Number	Qty.	Description
16	136-3515	2	Carrier Frame ASM
16:2	108-4000	2	Bushing
16:3	302-5	1	Fitting-Grease
17	32121-122	2	Pin-Roll
18	136-3568	4	Pin-Flag (Mach)
19	104-8300	4	Nut-HF, NI
20	322-4	4	Screw-HH
21	117-0118	4	Pivot ASM
21:2	108-8482	1	Bushing-Sleeve
22	323-11	8	Screw-HH
23	104-8301	8	Nut-HF, NI
24	99-7667	2	Washer-Flat
25	127-2613-03	1	Guard-Foot, LH
26	127-2614-03	1	Guard-Foot, RH
27	3234-11	2	Screw-HHF
28	3245-35	2	Screw-Set, HSH



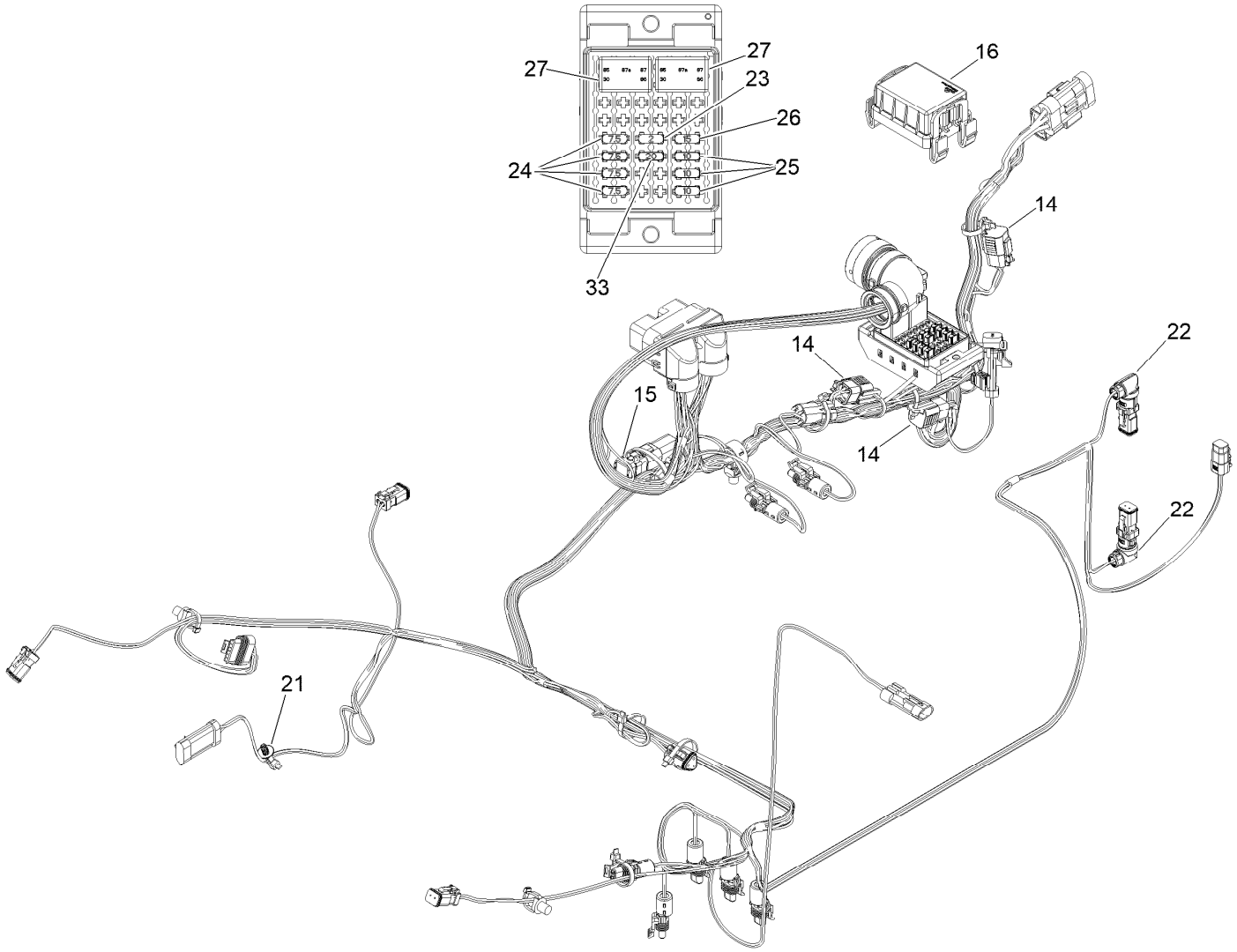
Seat and Control Arm Wiring Harness Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	122-2126	1	Harness-Wire, Seat
1:14	32180-135	1	Nut-Connector
1:15	32180-143	1	Washer-Lock
2	3290-378	2	Tie-Cable
3	161-8398-03	1	Bracket-Hmu Mouting
4	161-9001	1	Gateway-Telematics
5	122-2163	1	Harness-Wire
5:3	121-8861	1	Fuse-Mini Blade, 2 Amp
5:4	32180-101	1	Cover-Fuse, Single
6	131-6456	4	Screw-HWH
7	3296-2	4	Nut-Lock, NI
8	138-8991	2	U-Bolt-Sq
9	104-8301	4	Nut-HF, NI
10	3290-379	6	Tie-Cable
11	32180-078	1	Clip-Edge
12	3290-378	2	Tie-Cable



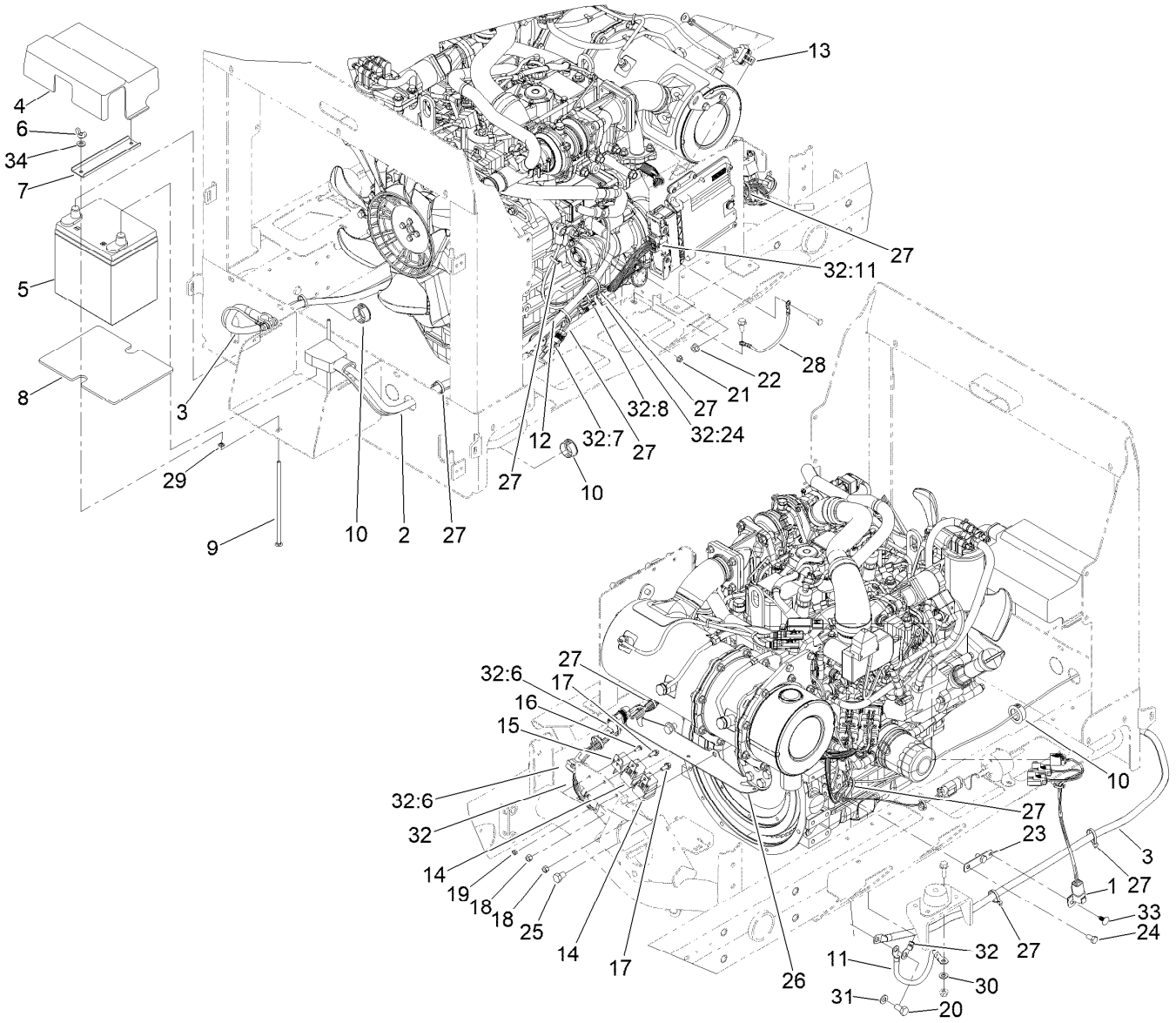
Main Wiring Harness Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	122-2912	1	Harness-Wire, Main
2	127-2770	1	Controller
3	32144-86	4	Screw-HWHTF
4	145-2558-0P	1	Bracket-Pdm [primed]
5	3234-6	2	Screw-HHF
6	33103-020	2	Screw-HHF
7	145-2519	1	Decal-Fuses
8	3290-379	3	Tie-Cable
9	32180-056	2	Cap
10	32180-600	1	Cap-Plug, Mp150, 3F (Sealed)
11	32180-606	2	Cap-Plug, Wp, 2F (Sealed)



Wire Harness Assembly No. 122-2912

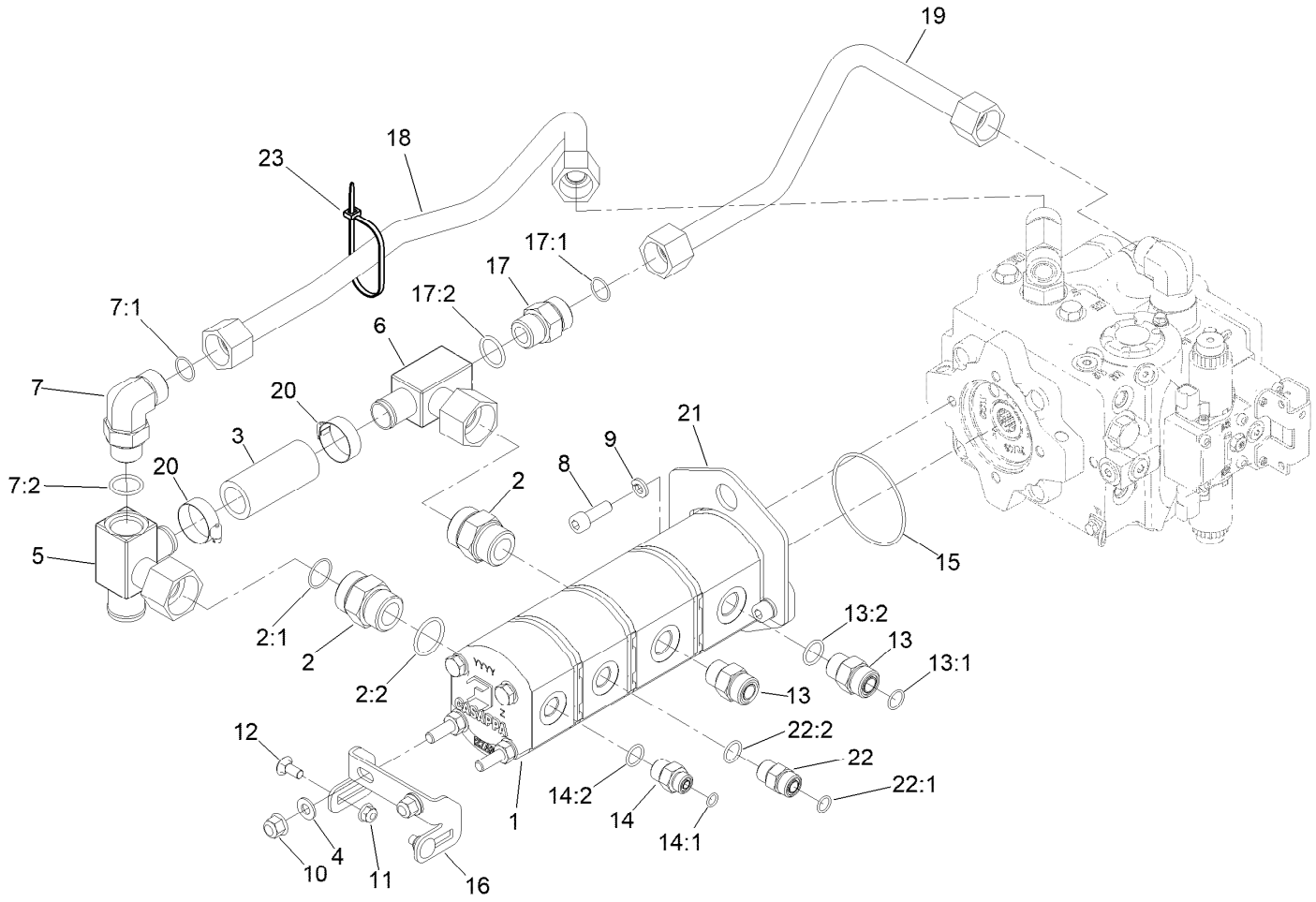
Ref.	*Part Number*	*Qty.*	*Description*
14	32180-156	3	Cap-Plug, 6 Way
15	122-1131	1	Conn, Capacitor-Sealed
16	32180-471	1	Cover-Chief, Bric
21	32180-400	1	Clip-Tie, Fir Tree W/Tie, 5MM/.196" Hole
22	32180-060	2	Backshell-Harnessflex, Dt06-2S 90 Degree
23	121-8861	1	Fuse-Mini Blade, 2 Amp
24	121-8865	4	Fuse-Mini Blade, 7.5 Amp
25	121-8866	3	Fuse-Mini Blade, 10 Amp
26	121-8867	1	Fuse-Mini Blade, 15 Amp
27	122-0368	2	Relay-280 ISO
33	121-8868	1	Fuse-Mini Blade, 20 Amp



Electrical Assembly

Ref.	Part Number	Qty.	Description
1	122-2910	1	Harness-Wire, Yanmar Dpf Interface
2	121-8850	1	Cable-Battery, Positive
3	121-8851	1	Cable-Battery, Negative
4	163-3523	1	Cover-Battery
5	161-6891	1	Battery-Wet,12V,540 CCA
6	32103-22	2	Nut-Wing
7	163-3515-0P	1	Channel-Clamp, Battery
8	163-3527	1	Mat-Battery
9	137-8106	2	Screw-CARR
10	32180-570	2	Bushing-Panel Snap,1.00"
11	121-8856	1	Cable-Ground, Engine
12	100-5552	1	Harness-Wire
13	99-3441	1	Harness-Wire, Fusible Link
14	99-7430	2	Relay-Mini
15	99-7435	1	Relay
16	3290-321	1	Screw-HWH
17	3234-33	2	Screw-HHF
18	3296-42	2	Nut-Lock, NI
19	3296-2	1	Nut-Lock, NI

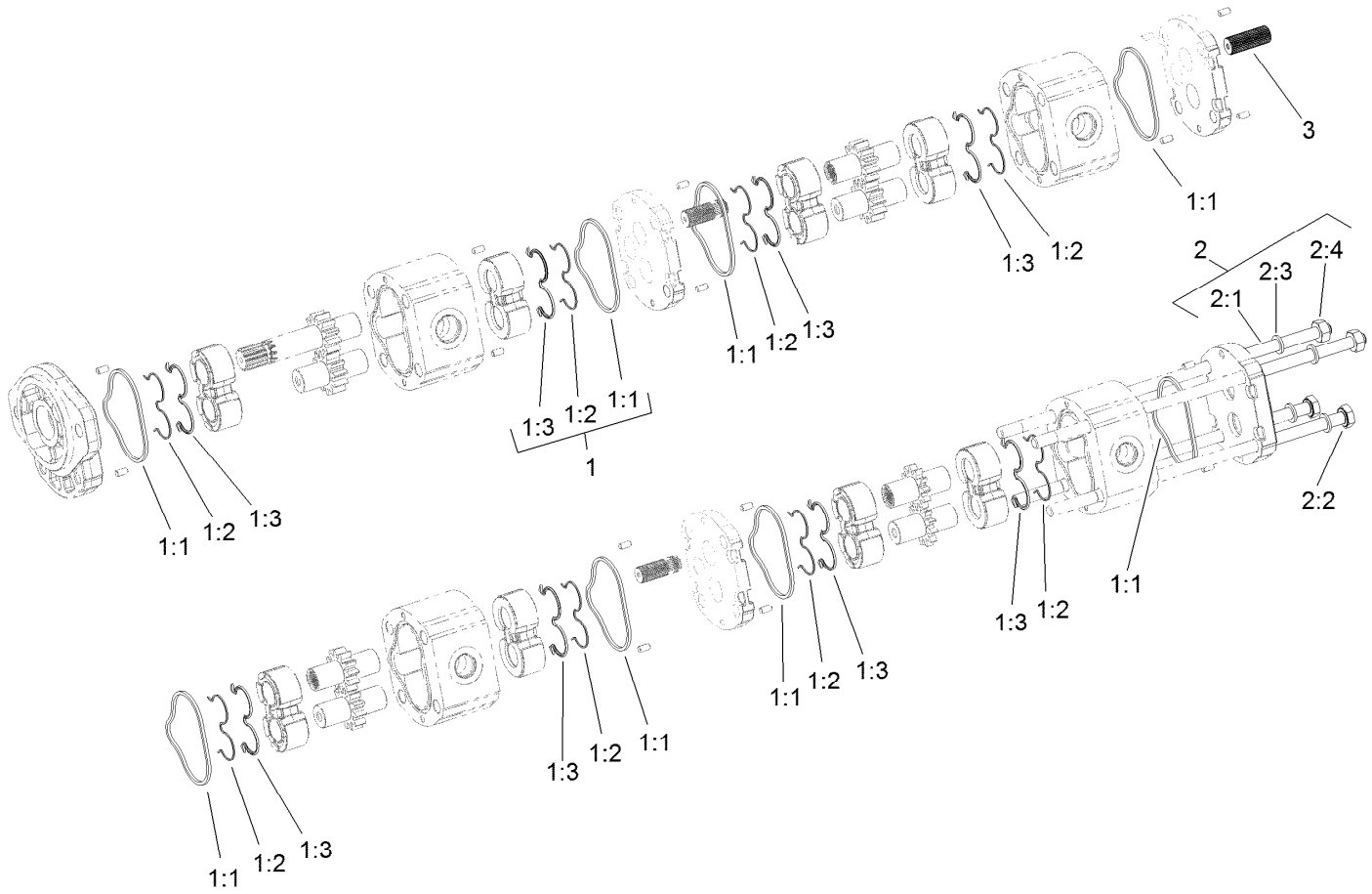
Ref.	Part Number	Qty.	Description
20	33115-020	1	Screw-HH
21	33003-00	1	Nut-HF
22	33004-00	1	Nut-HF
23	121-5636	1	Tab-Harness
24	33114-016	2	Screw-HH
25	33115-016	2	Screw-HH
26	132-9706-03	1	Bracket-Harness
27	3290-378	9	Tie-Cable
28	122-0058	1	Harness-Wire, Ground
29	32115-15	2	Nut-Push
30	120-9683	1	Washer-Plain
31	33095-00	1	Washer-Flat
32	122-2911	1	Harness-Wire, Engine
32:6	100-4918	2	Diode
32:7	121-8868	1	Fuse-Mini Blade, 20 Amp
32:8	121-8866	1	Fuse-Mini Blade, 10 Amp
32:11	32160-359	1	Connector (6M)
32:24	32180-101	2	Cover-Fuse, Single
33	117-2382	1	Plug-Plastic
34	3256-23	2	Washer-Plain



Gear Pump Mounting Assembly

Ref.	Part Number	Qty.	Description
1	121-5645	1	Gear Pump ASM
2	104-3797	2	Fitting-Straight
2:1	237-146	1	O-Ring
2:2	340-65	1	O-Ring
3	144-2092	1	Hose-Formed
4	3256-24	2	Washer-Plain
5	145-2570	1	Manifold-Tube
6	144-2093	1	Manifold-Tube
7	340-142	1	Fitting-Elbow, 90 DEG
7:1	237-58	1	O-Ring
7:2	237-81	1	O-Ring
8	ST80801	2	Screw-HSH
9	48-9590	2	Washer-Lock
10	103-9511	2	Nut-Flg
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

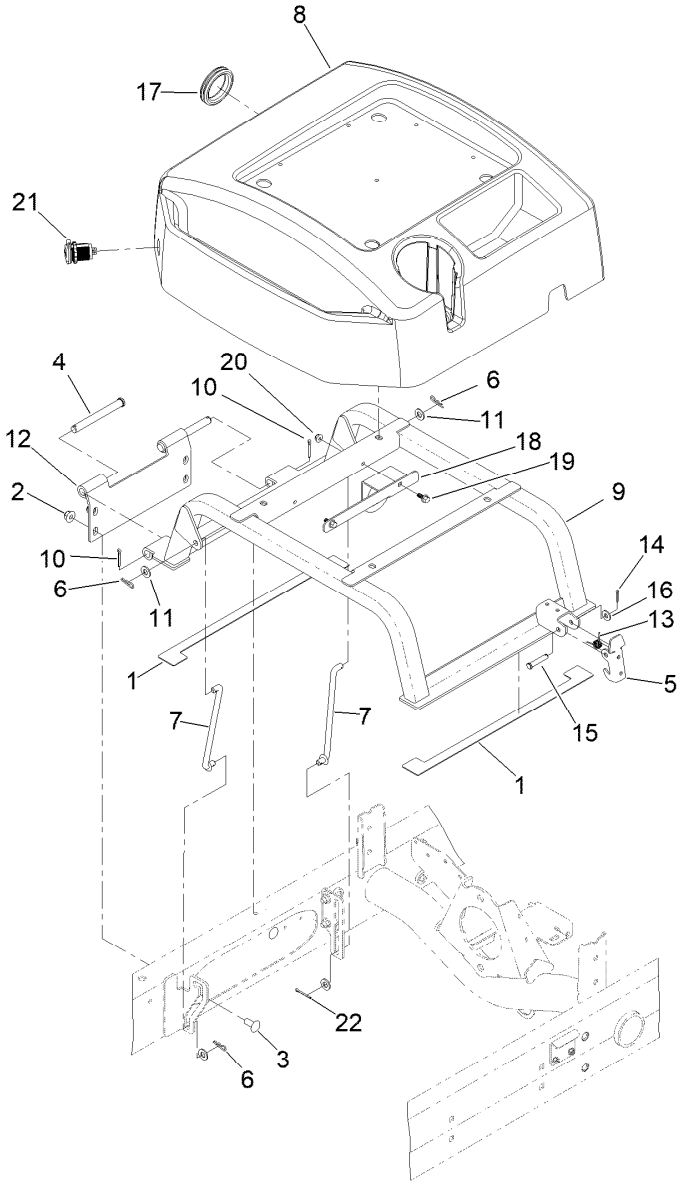
Ref.	Part Number	Qty.	Description
13:2	237-80	1	O-Ring
14	340-3	1	Fitting-Straight
14:1	237-22	1	O-Ring
14:2	237-79	1	O-Ring
15	237-161	1	O-Ring
16	133-2946-0P	1	Brkt-Gear Pump
17	340-9	1	Fitting-STR
17:1	237-58	1	O-Ring
17:2	237-81	1	O-Ring
18	145-2574	1	Hydraulic Tube ASM
19	145-2501	1	Tube ASM-Hydraulic
20	2412-34	2	Clamp-Hose
21	145-2548-0P	1	Bracket-Lift, Pump
22	340-4	1	Fitting-Straight
22:1	237-30	1	O-Ring
22:2	237-79	1	O-Ring
23	3290-378	1	Tie-Cable



Gear Pump Assembly No. 121-5645

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

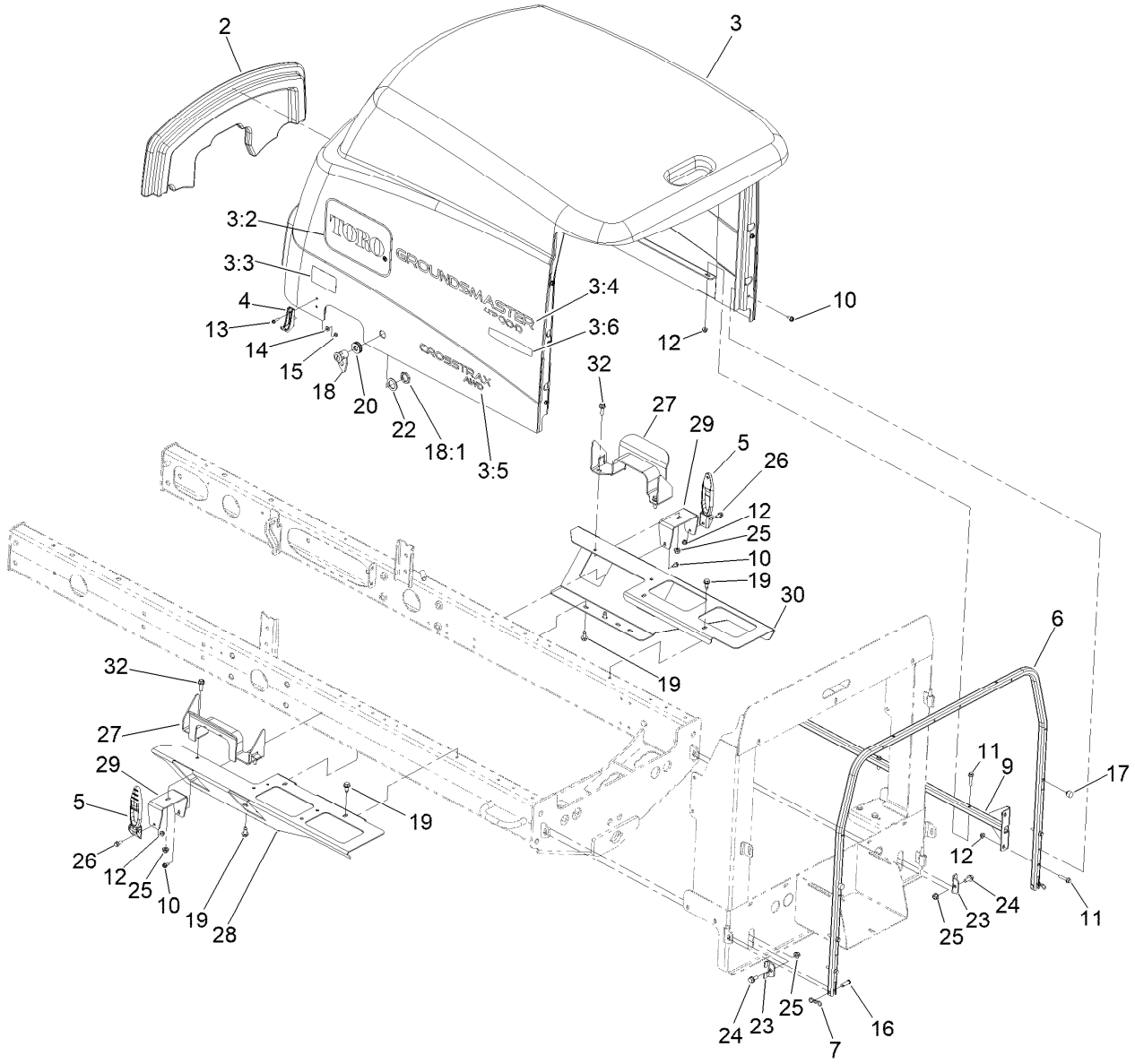
● Not serviced separately



Seat Base Assembly

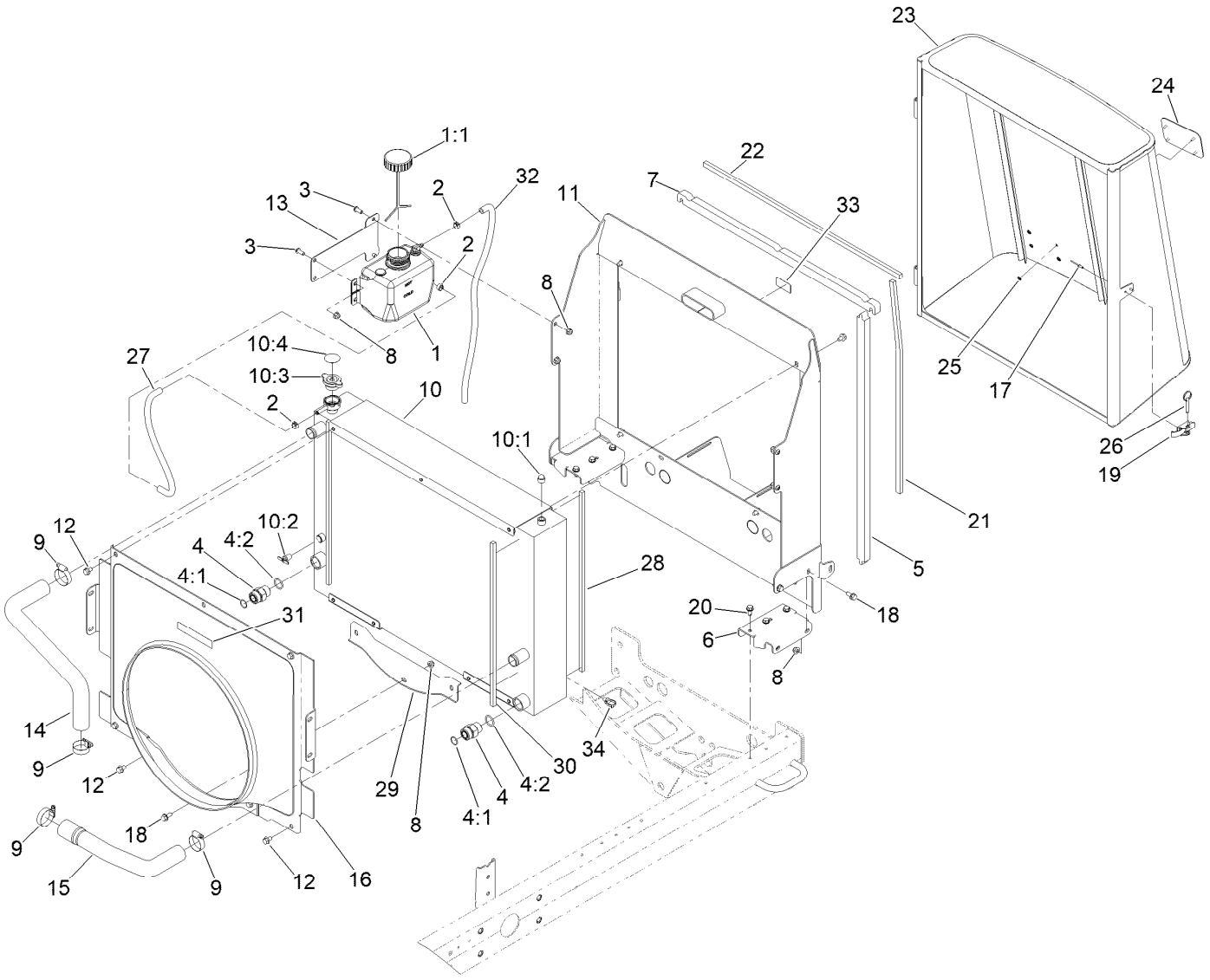
Ref.	Part Number	Qty.	Description
1	110-5255	2	Bumper-Base, Seat
2	104-8301	4	Nut-HF, NI
3	3231-27	4	Screw-CARR
4	283-83	2	Pin-Clevis
5	110-8971	1	Latch
6	3290-307	3	Pin-Cotter
7	98-0917	2	Rod-Prop
8	145-2450	1	Cover-Seatbase
9	125-2122-03	1	Seat Base ASM
10	3272-11	2	Pin-Cotter
11	3256-24	4	Washer-Plain

Ref.	Part Number	Qty.	Description
12	125-2121-03	1	Hinge-Seatbase
13	104-4821	1	Spring-Torsion
14	3272-6	1	Pin-Cotter
15	94-3829	1	Pin-Clevis
16	3256-2	1	Washer-Flat
17	240-12	1	Grommet-Rubber
18	145-2480-0P	1	Bracket-Harness
19	99-6810	2	Screw-HHF
20	104-7201	2	Nut-HF, NI
21	131-8388	1	Socket-USB
22	3272-4	1	Pin-Cotter



Hood Assembly

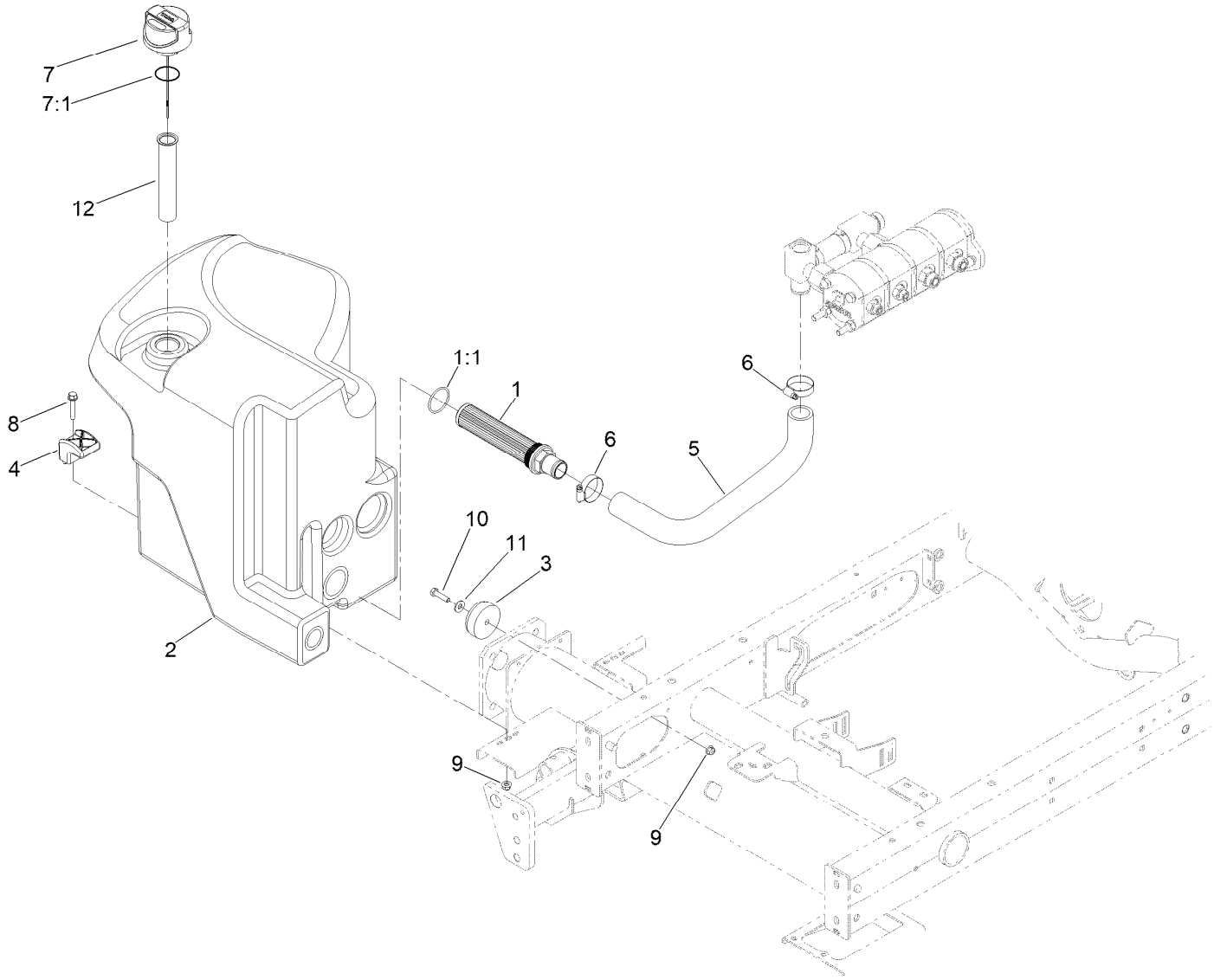
Ref.	Part Number	Qty.	Description
2	145-2456	1	Saddle-Hood
3	145-2542	1	Hood ASM (Gm4300D Service)
3:2	66-6140	2	Decal
3:3	106-6754	2	Decal-Danger
3:4	117-0173	2	Decal
3:5	110-8859	2	Decal
3:6	121-1594	2	Decal-Smart Power
4	103-2897	2	Latch-Catch
5	103-2898	2	Latch-Rubber
6	125-8813-03	1	Tube-Frame, Hood
7	105-7512	2	Pin-Tie, Bow
9	108-1790-03	2	Tube
10	32104-17	12	Screw-HWH
11	3234-21	10	Screw-HHF
12	104-7201	12	Nut-HF, NI
13	32105-13	4	Screw-HWH
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
18:1	3218-20	1	Nut-Jam
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	2	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
32	3234-17	4	Screw-HHF



Radiator Assembly

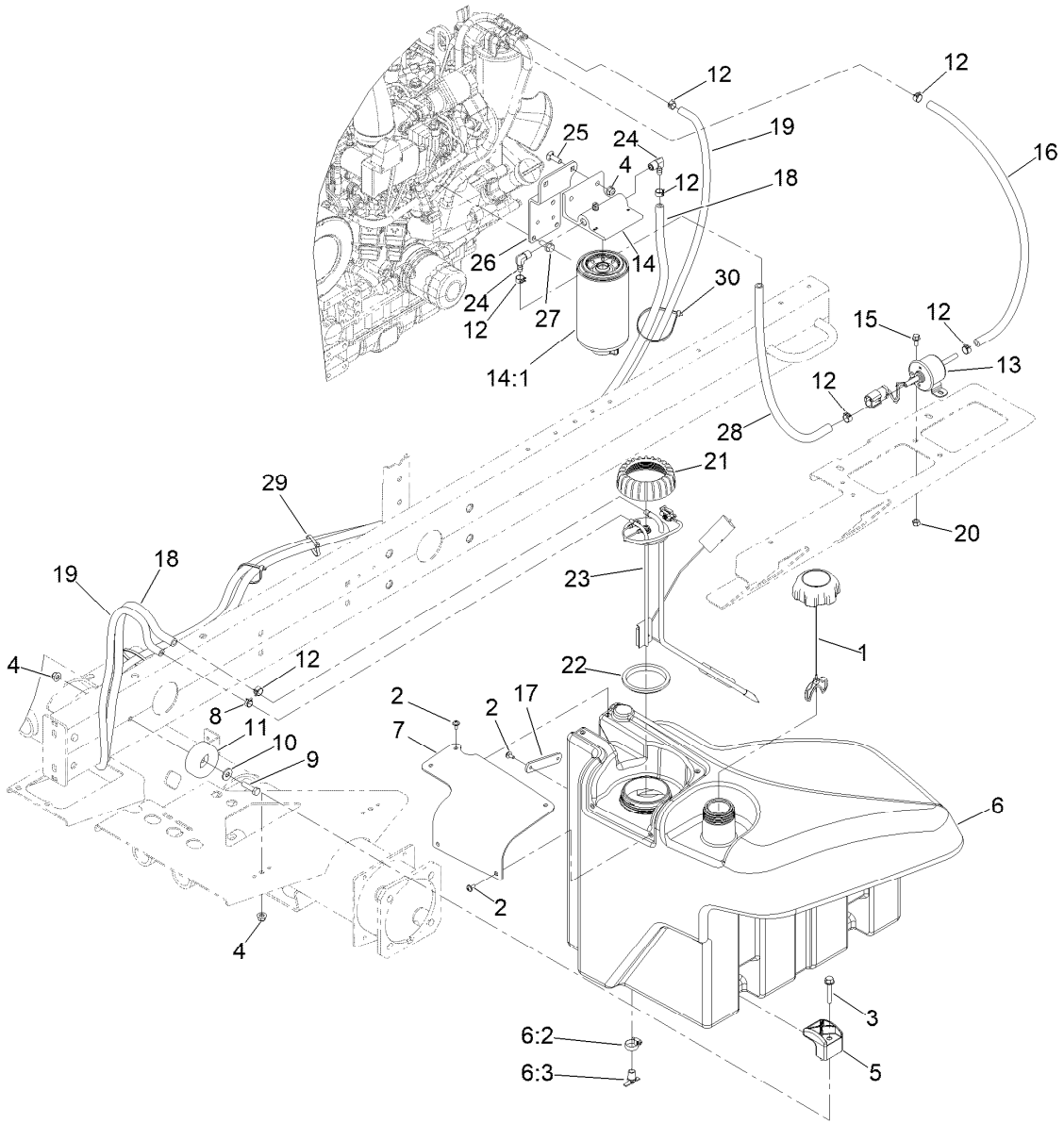
Ref.	Part Number	Qty.	Description
1	120-5573	1	Coolant Reservoir ASM
1:1	87-7050	1	Cap-Reservoir
2	92-2379	3	Clamp-Hose
3	3274-55	5	Screw-HSBH
4	340-9	2	Fitting-STR
4:1	237-58	1	O-Ring
4:2	237-81	1	O-Ring
5	121-5554	2	Seal-Foam
6	110-5310-0P	2	Bracket - Mounting
7	110-5276	2	Seal-Foam
8	104-8300	10	Nut-HF, NI
9	2412-3	4	Clamp-Hose
10	120-3840	1	Oil Cooler And 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	163-3540-03	1	Frame-Radiator
12	3234-30	14	Screw-HHF
13	121-5568-0P	1	Bracket-Resevoir

Ref.	Part Number	Qty.	Description
14	133-2994	1	Hose-Formed
15	121-5558	1	Hose-Radiator, Lower
16	125-2901	1	Shroud-Fan, Turbo Diesel
17	3269-15	2	Rivet-Pop
18	3234-5	5	Screw-HHF
19	115-1554	1	Latch-Draw
20	32104-32	6	Screw-HWH
21	121-5575	2	Seal-Foam
22	121-5576	1	Seal-Foam
23	120-3844-03	1	Screen
24	93-6028	1	Plate-Logo
25	138-6996	4	Nut-Push
26	115-1556	1	Pin-Ball, Detent
27	110-8752	1	Hose-Fuel
28	110-0969	2	Seal-Foam
29	125-2905	1	Cap-Shroud, Diesel
30	125-8767	2	Seal-Foam
31	93-7272	1	Decal-Warning
32	110-3257	1	Hose-Fuel
33	137-8127	1	Decal-No Spray
34	32180-030	1	Clip-Tie



Hydraulic Tank Assembly

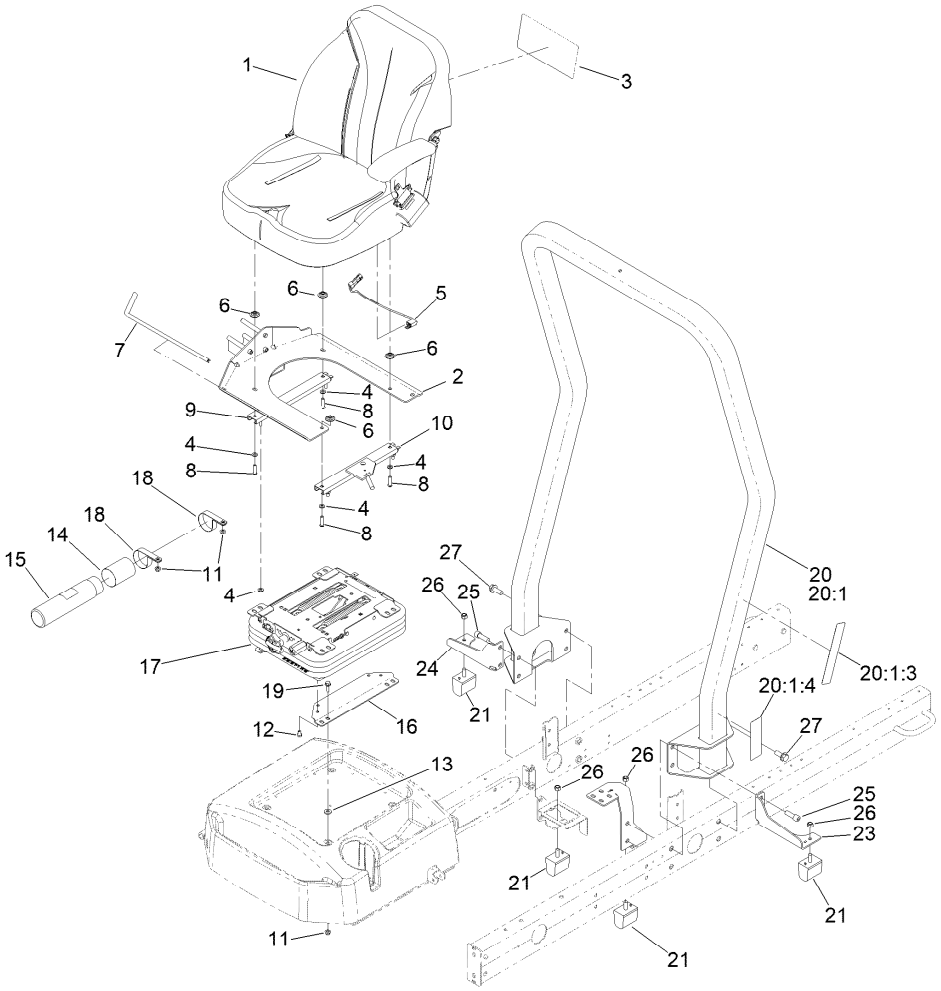
Ref.	*Part Number*	*Qty.*	*Description*
1	145-2463	1	Strainer-Tank, Hydraulic
1:1	340-136	1	O-Ring
2	145-2487	1	Tank-Hydraulic
3	108-1605	1	Bumper-Recess
4	107-4543	2	Clamp
5	144-2076	1	Hose-Suction
6	2412-3	2	Clamp-Hose
7	117-0193	1	Cap-Hydraulic, Vented Breather
7:1	237-101	1	O-Ring
8	94-5780	2	Screw-HWH
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	125-9173	1	Cap-Fuel, Diesel, Ultra Low Sulfur
2	109-2661	7	Screw-PPH
3	94-5780	2	Screw-HWH
4	104-8300	5	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	2412-98	1	Clamp-Hose
9	322-6	1	Screw-HH
10	3256-3	1	Washer-Flat
11	108-1605	1	Bumper-Recess
12	92-2379	7	Clamp-Hose
13	121-5613	1	Pump-Fuel, Electric
14	125-2914	1	Filter-Separator

Ref.	Part Number	Qty.	Description
14:1	125-2915	1	Filter-Fuel/Water Separator
15	3234-33	2	Screw-HHF
16	109-0308	1	Hose-Fuel
17	125-2945	1	Strap-Cable
18	161-8378	1	Hose-Fuel
19	161-8380	1	Hose-Fuel
20	3296-42	2	Nut-Lock, NI
21	140-6245	1	Cap-Pump, Fuel
22	140-6246	1	Gasket-Pump, Fuel,
23	121-5642	1	Sender-Fuel
24	353-781	2	Fitting-HYD, 90
25	3230-22	2	Screw-CARR
26	120-6299-0P	1	Bracket-Separator
27	33104-020	3	Screw-HHF
28	109-0274	1	Hose-Fuel
29	3290-378	5	Tie-Cable
30	3290-379	1	Tie-Cable

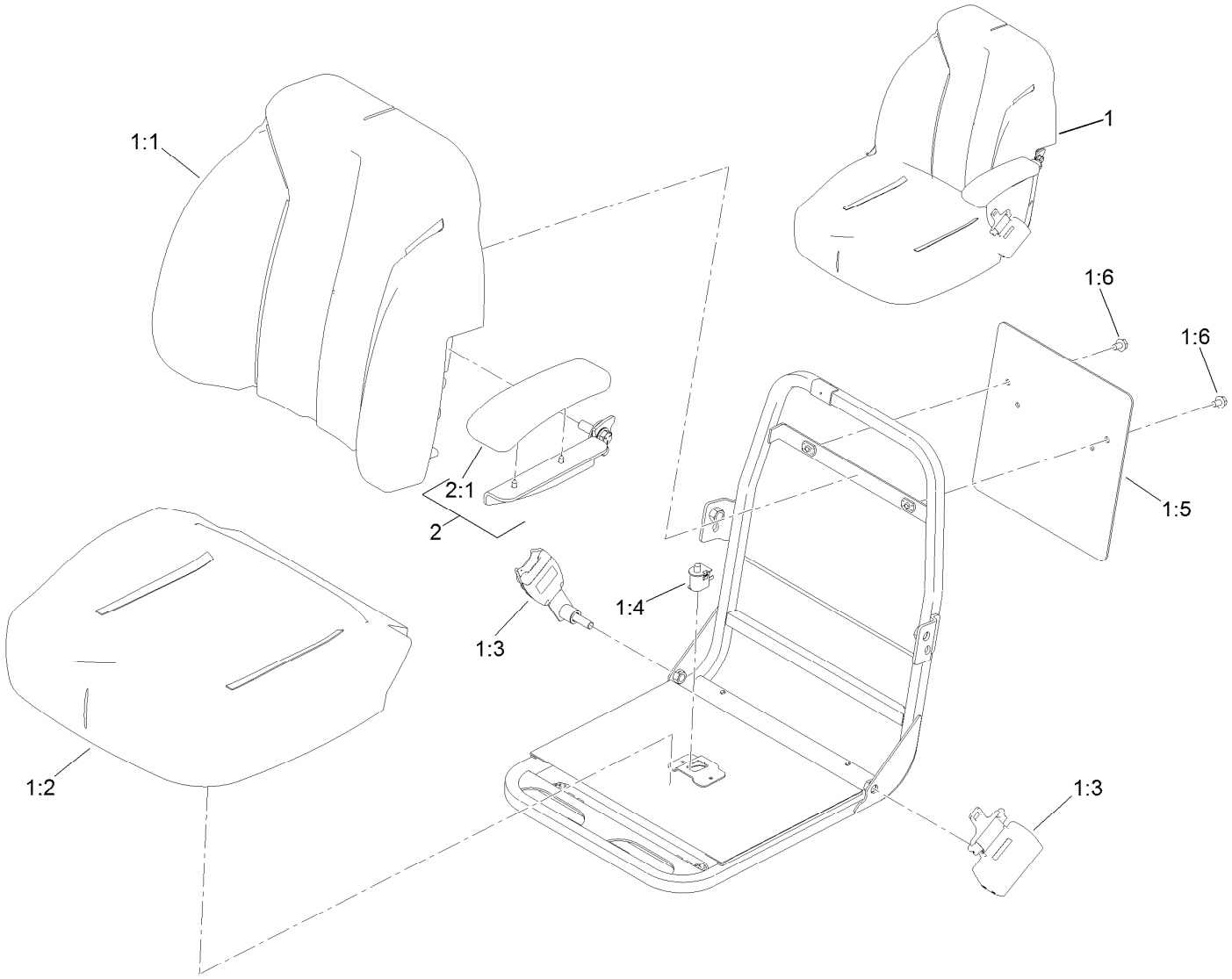


Seat Mount Assembly

Ref.	Part Number	Qty.	Description
1	139-2700	1	Seat ASM
2	138-6985-03	1	Mount-Seat
3	145-2573	1	Decal-Service
4	3256-23	8	Washer-Plain
5	108-8657	1	Harness-Wire, Seat
6	136-9002	4	Spacer-Mounting
7	130-7100	1	Trim-Seatbase
8	3290-511	4	Screw-HSBH
9	92-8990	1	Adjuster-Seat, Non-Locking
10	92-8991	1	Adjuster (W/Latch)
11	104-8300	8	Nut-HF, NI
12	48-7680	4	Screw-HH
13	71-9310	4	Spacer
14	104-7048	1	Cap-Housing
15	104-7050	1	Tube-Manual

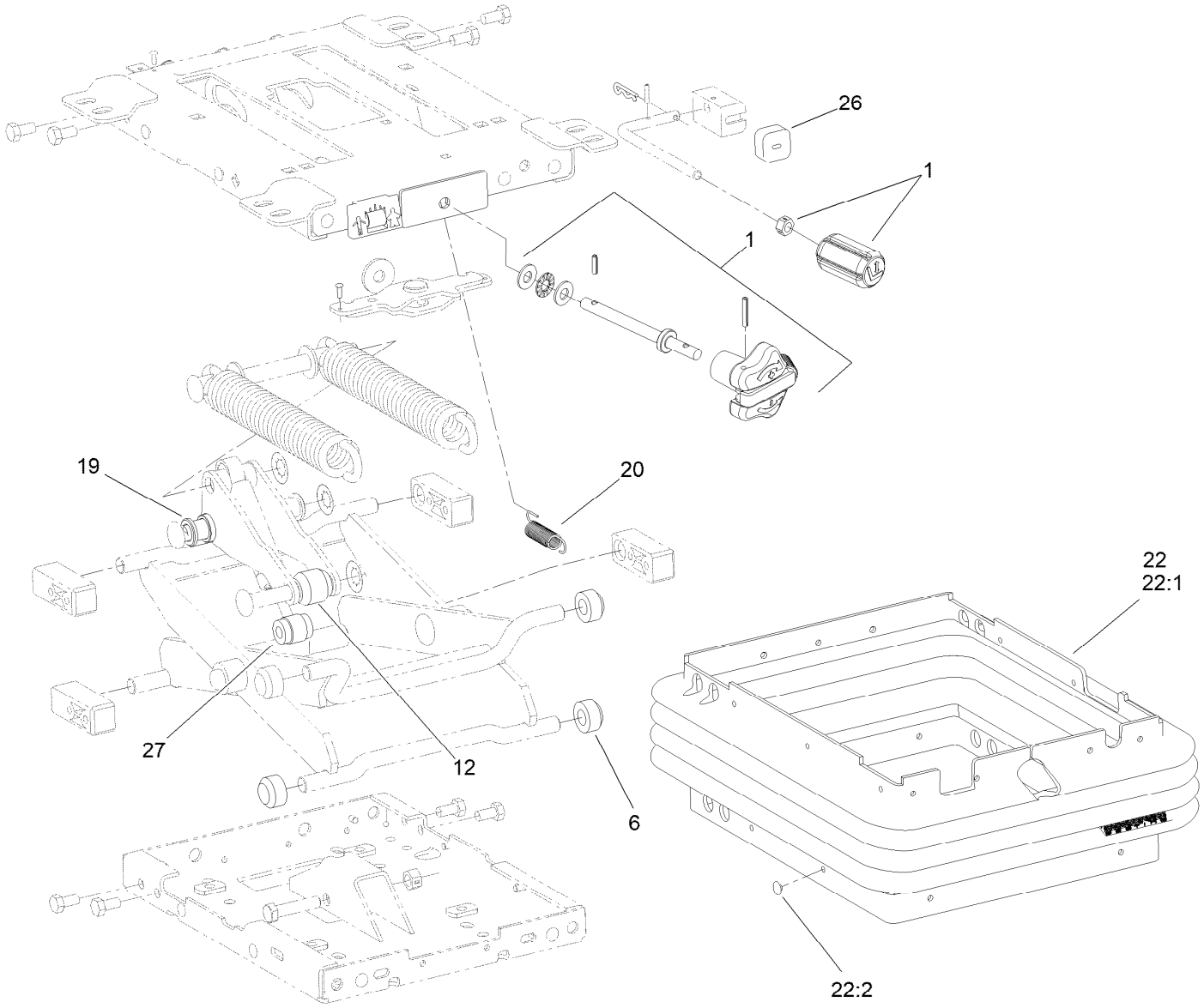
Ref.	Part Number	Qty.	Description
16	108-6590-0P	2	Bracket-Seat, Lower
17	145-5295	1	Suspension ASM
18	2412-133	2	Clamp-R
19	3234-17	4	Screw-HHF
20	136-7954	1	ROPS ASM
20:1		1	ROPS ASM ●
20:1:3	136-3702	1	Decal-Safety, ROPS
20:1:4	136-2159	1	Decal-Seat Service
21	87-3470	4	Bumper
23	117-0184-03	1	Bracket-Bumper, LH
24	117-0233-03	1	Bracket-Bumper, RH
25	3274-4	4	Screw-HSH
26	33025-00	4	Nut-Lock, NI
27	3234-38	4	Screw-HHF

● Not serviced separately



Seat Assembly No. 139-2700

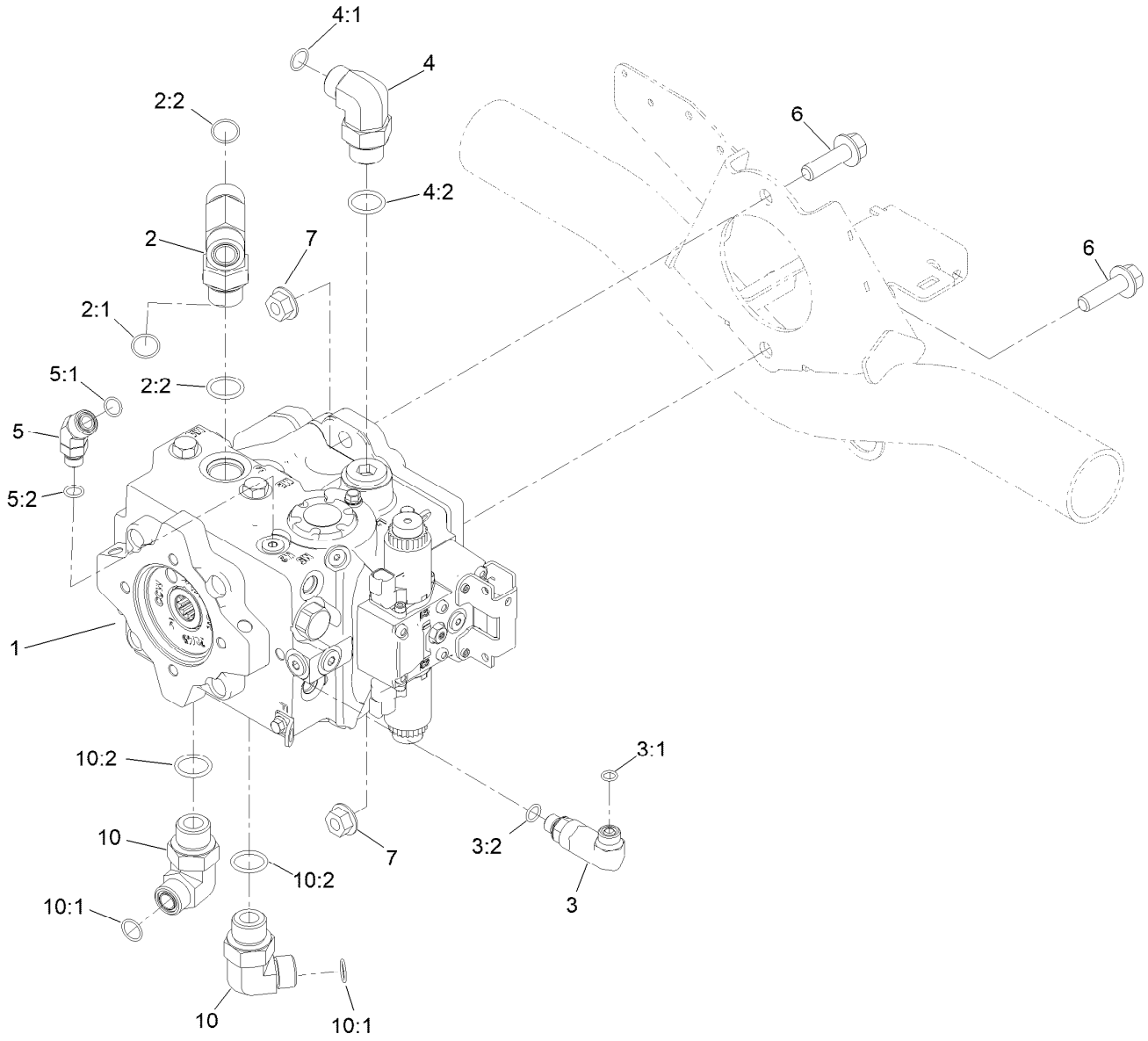
Ref.	*Part Number*	*Qty.*	*Description*
1	139-2680	1	Seat ASM
1:1	145-0083	1	Cover-Seat, Back
1:2	145-0084	1	Cover-Seat, Bottom
1:3	139-2707	1	Seat Belt Kit
1:4	82-2190	1	Switch-Bail
1:5	139-2701	1	Plate-Decal
1:6	3234-30	2	Screw-HHF
2	121-3660	1	LH Arm Rest Kit
2:1	110-4163	1	Cushion-Rest, Arm



Mechanical Seat Suspension Assembly No. 145-5295

Ref.	*Part Number*	*Qty.*	*Description*
1	145-5296	1	Knob Service Kit
6	108-9632	4	Roller
12	145-5297	1	Roller-Plastic, 36MM
19	108-9622	2	Tube
20	108-9633	1	Spring-Extension
22	112-0164	1	Boot Kit
22:1		1	Boot-Suspension ●
22:2	108-9641	21	Clip-Plug
26	108-9634	1	Bumper
27	108-9614	1	Damper

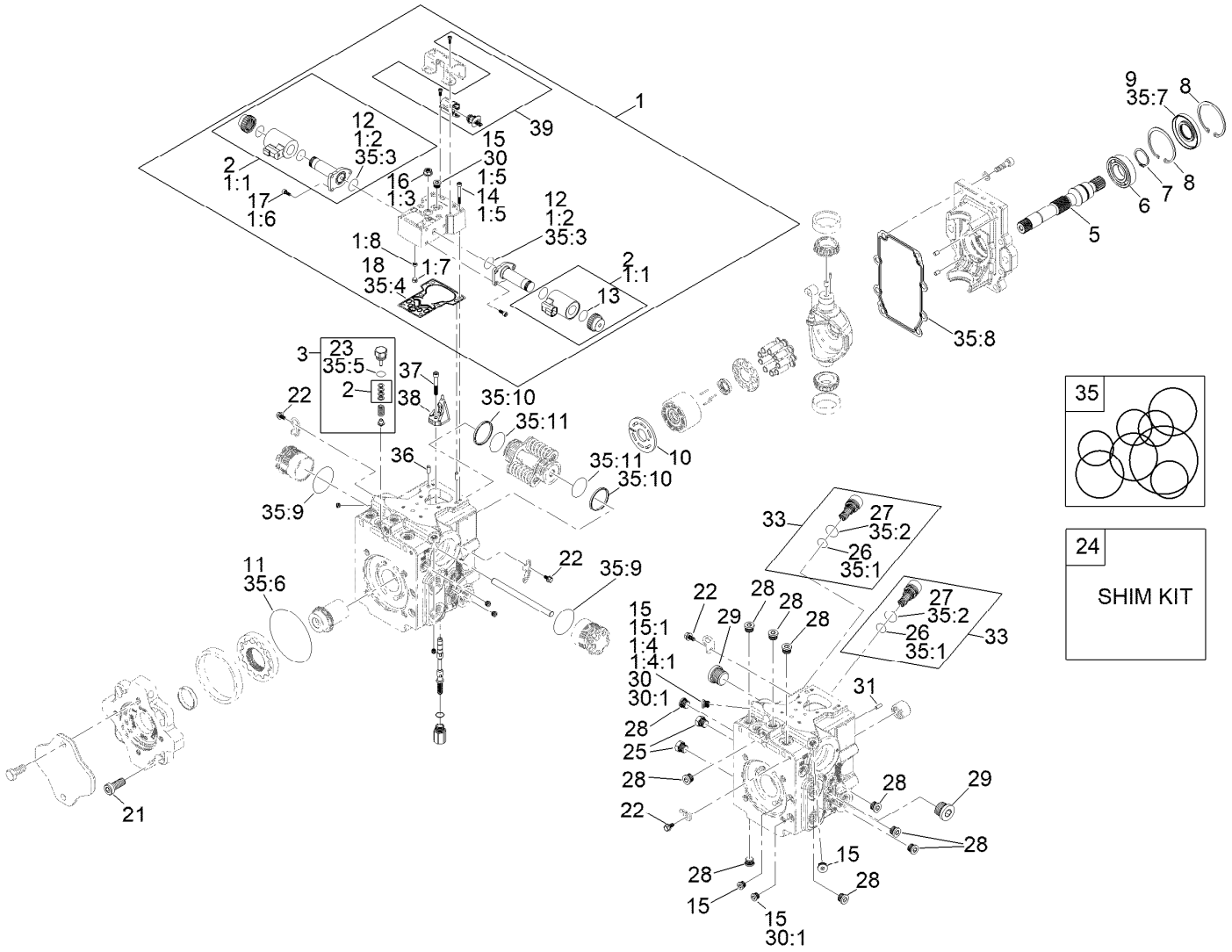
● Not serviced separately



Traction Pump Assembly

Ref.	Part Number	Qty.	Description
1	144-2060	1	Pump-Hydraulic
2	104-4836	1	Fitting-Tee
2:1	237-58	2	O-Ring
2:2	237-81	1	O-Ring
3	145-2645	1	Fitting-Elbow 90 Long
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring
4	340-142	1	Fitting-Elbow, 90 DEG
4:1	237-58	1	O-Ring

Ref.	Part Number	Qty.	Description
4:2	237-81	1	O-Ring
5	340-96	1	Adapter
5:1	237-30	1	O-Ring
5:2	237-42	1	O-Ring
6	130-6481	2	Screw-HHF
7	32128-49	2	Nut-HHF
10	340-139	2	Fitting-Elbow 90
10:1	237-81	1	O-Ring
10:2	237-65	1	O-Ring



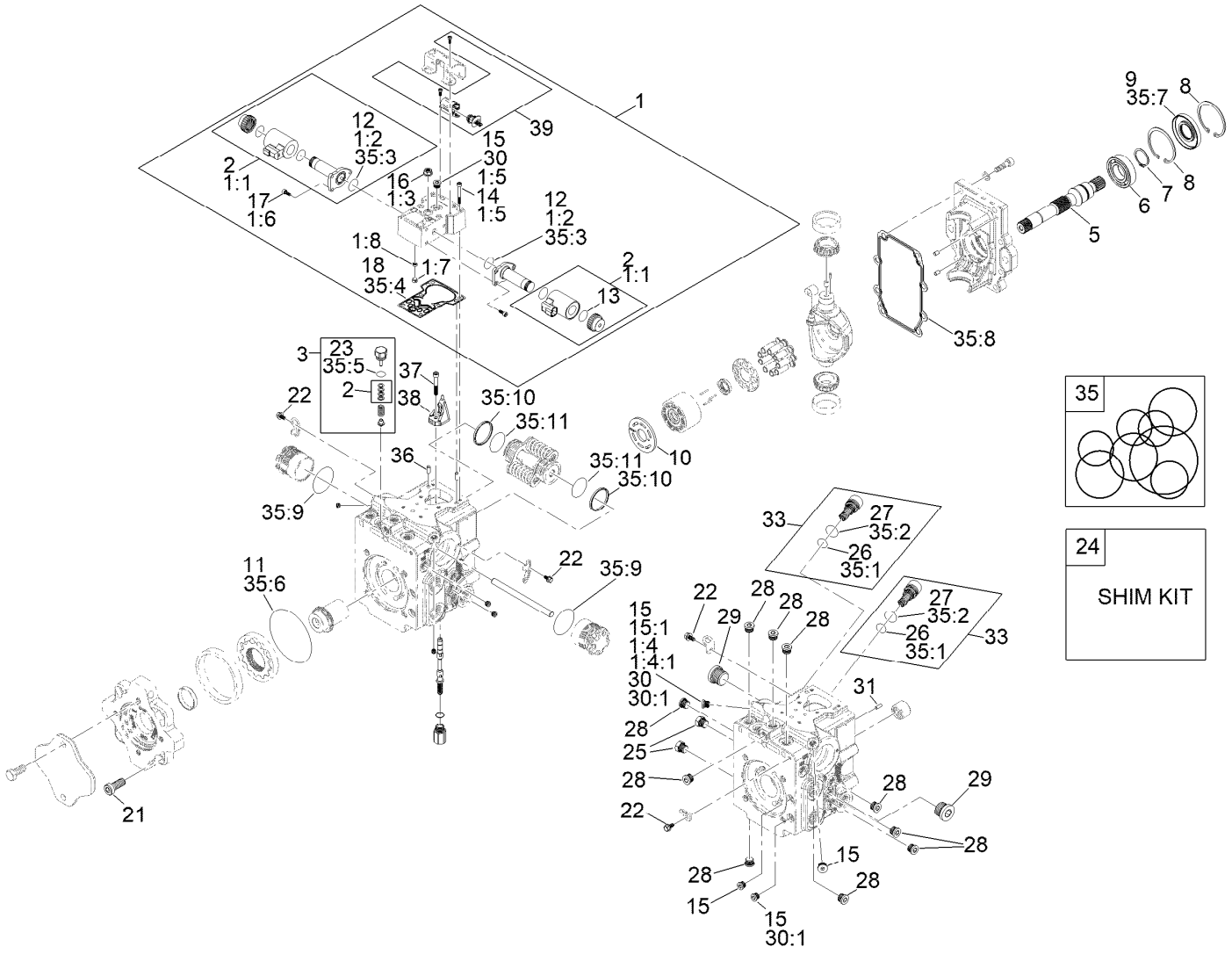
Hydraulic Pump Assembly No. 144-2060

Ref.	Part Number	Qty.	Description
1	136-3209	1	Control Kit (12 Volt)
1:1	132-6204	2	Coil Kit
1:2	125-5288	2	O-Ring
1:3	125-5273	1	Nut-Seal
1:4	75-0170	1	Plug-Thread, Straight
1:4:1	92-8777	1	O-Ring
1:5	125-5274	6	Screw
1:6	125-5272	6	Screw
1:7	136-3213	1	Gasket-Control
1:8	136-3218	1	Sensor Kit
2	125-5294	2	Coil Kit
3	161-7203	1	Charge Relief Valve
5	139-4811	1	Shaft-13Tooth
6	139-4820	1	Bearing-Ball
7	139-4806	1	Ring-Retaining
8	139-4831	2	Ring-Retaining
9	161-7202	1	Oil Seal-Black
10	139-4813	1	Plate-Valve

Ref.	Part Number	Qty.	Description
11	161-7206	1	O-Ring As568-244 Nbr90
12	125-5288	2	O-Ring
13	131-7388	2	O-Ring
14	125-5274	6	Screw
15	75-0170	4	Plug-Thread, Straight
15:1	92-8777	1	O-Ring
16	161-7200	1	Nut-Hex Seal
17	125-5272	6	Screw
18	125-5283	1	Gasket-Control
21	125-5282	4	Screw
22	125-5270	4	Screw
23	125-5298	1	O-Ring
24	92-1353	1	Shim Kit
25	136-1026	1	Plug ASM
26	75-0240	2	O-Ring
27	84-0560	2	O-Ring
28	69-3080	10	Plug
29	69-3130	1	Plug

● Not illustrated

■ Not serviced separately

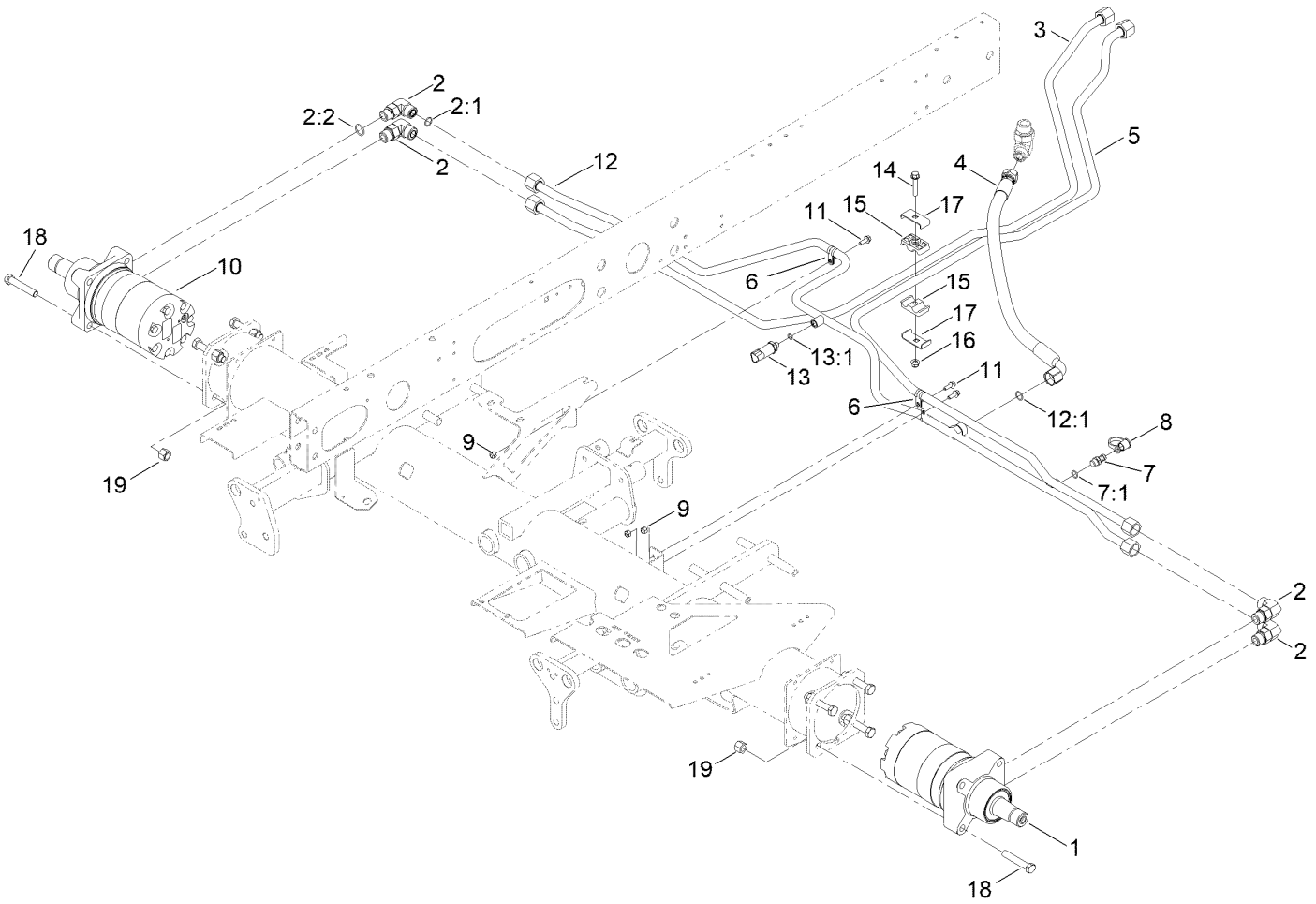


Hydraulic Pump Assembly No. 144-2060 (continued)

Ref.	Part Number	Qty.	Description
30	75-0170	4	Plug-Thread, Straight
30:1	92-8777	1	O-Ring
31	75-0510	1	Pin
33	161-7204	1	Valve-Scr Assembly 260 Bar (3770 PSI)
35	132-6205	1	Overhaul Seal Kit
35:1	75-0240	2	O-Ring
35:2	84-0560	2	O-Ring
35:3	125-5288	2	O-Ring
35:4	125-5283	1	Gasket-Control
35:5	125-5298	1	O-Ring
35:6	132-6206	1	O-Ring
35:7	127-6214	1	Seal-Lip
35:8		1	Gasket ■
35:9		2	O-Ring ■
35:10		2	Piston Ring ■
35:11		2	O-Ring ■
36	136-3215	2	Pin
37	136-3216	1	Screw, M6 X 35
38	136-3217	1	Link - Swashplate Feedback
39	136-3218	1	Sensor Kit ●

● Not illustrated

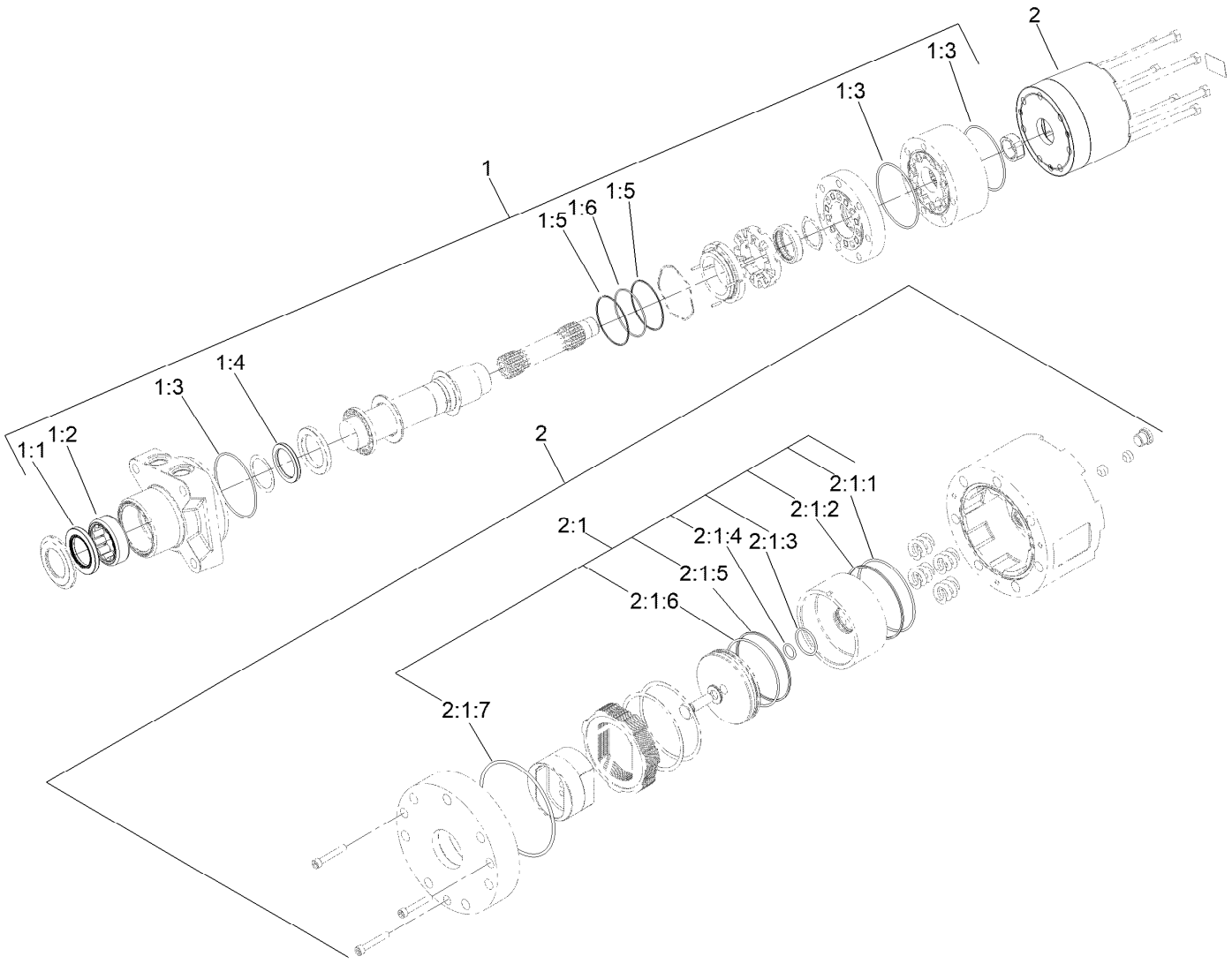
■ Not serviced separately



Traction Hydraulic Circuit Assembly

Ref.	Part Number	Qty.	Description
1	163-3542	1	Hydraulic 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	114-0425	1	Hydraulic Tube ASM
4	108-1679	1	Hose-HYD
5	114-0424	1	Hydraulic Tube ASM
6	2412-134	3	Clamp-R
7	59-7410	1	Fitting-Diagnostic
7:1	237-42	1	O-Ring
8	354-79	1	Cap-Dust
9	3296-42	3	Nut-Lock, NI

Ref.	Part Number	Qty.	Description
10	163-3543	1	Hydraulic Motor ASM
11	3234-4	3	Screw-HHF
12	114-0389	1	Hydraulic Tube ASM
12:1	237-65	1	O-Ring
13	119-0011	1	Pressure Transducer ASM
13:1	237-78	1	O-Ring
14	94-5780	1	Screw-HWH
15	56-7971	2	Clamp-Tube
16	104-8300	1	Nut-HF, NI
17	119-1419	2	Plate-Clamp
18	325-11	8	Screw-HH
19	3296-23	8	Nut-Lock, NI

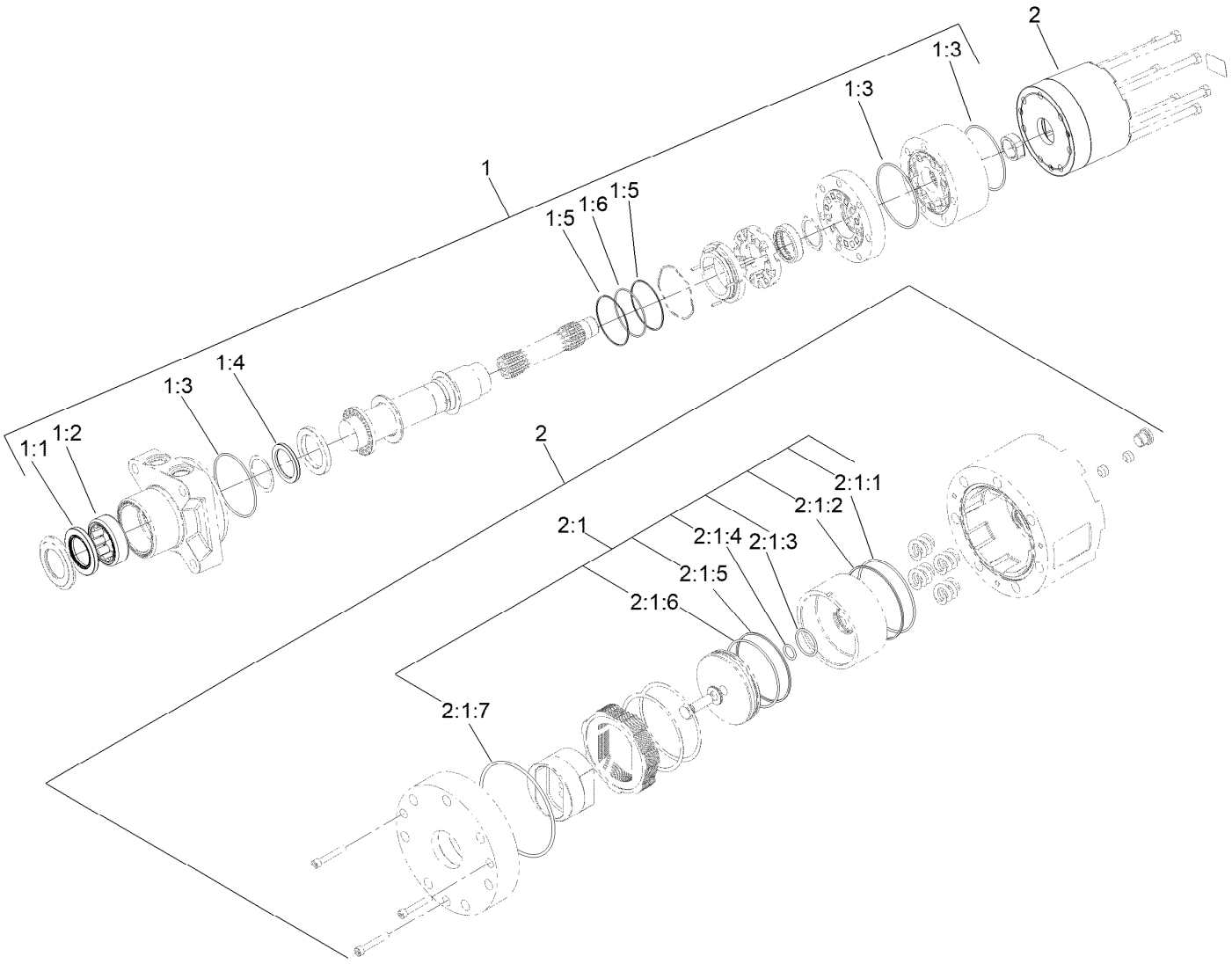


Hydraulic Motor Assembly No. 163-3542

Ref.	Part Number	Qty.	Description
1	161-7208	1	Seal Kit
1:1	161-7209	1	Seal, Grease
1:2	161-7210	1	Shell, Bearing
1:3	161-7211	3	O-Ring
1:4	161-7212	1	Shaft Seal (HP)
1:5	161-7213	2	Back-Up Ring
1:6	161-7214	1	O-Ring
2	163-2617	1	Brake Housing ASM
2:1	163-2627	1	Seal Kit-Brake ASM

Ref.	Part Number	Qty.	Description
2:1:1	161-8367	1	O-Ring
2:1:2	161-8368	1	Backup Ring
2:1:3	161-8369	1	O-Ring
2:1:4	161-8370	1	O-Ring
2:1:5	161-8371	1	Backup Ring
2:1:6	161-8372	1	O-Ring
2:1:7	161-7211	1	O-Ring
2:1:8	161-8373	1	O-Ring ●

● Not illustrated

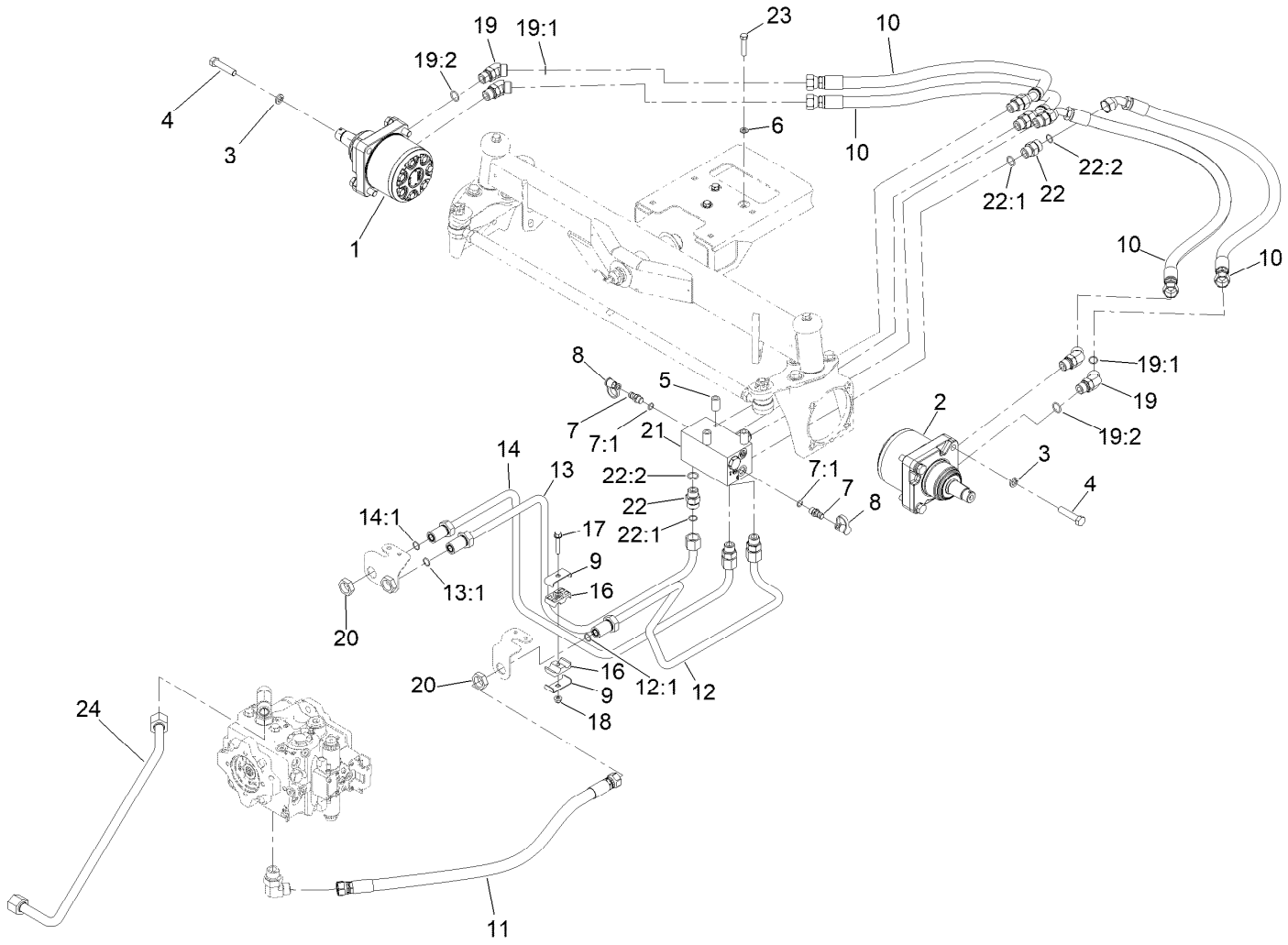


Hydraulic Motor Assembly No. 163-3543

Ref.	Part Number	Qty.	Description
1	161-7208	1	Seal Kit
1:1	161-7209	1	Seal, Grease
1:2	161-7210	1	Shell, Bearing
1:3	161-7211	3	O-Ring
1:4	161-7212	1	Shaft Seal (HP)
1:5	161-7213	2	Back-Up Ring
1:6	161-7214	1	O-Ring
2	163-2617	1	Brake Housing ASM
2:1	163-2627	1	Seal Kit-Brake ASM

Ref.	Part Number	Qty.	Description
2:1:1	161-8367	1	O-Ring
2:1:2	161-8368	1	Backup Ring
2:1:3	161-8369	1	O-Ring
2:1:4	161-8370	1	O-Ring
2:1:5	161-8371	1	Backup Ring
2:1:6	161-8372	1	O-Ring
2:1:7	161-7211	1	O-Ring
2:1:8	161-8373	1	O-Ring ●

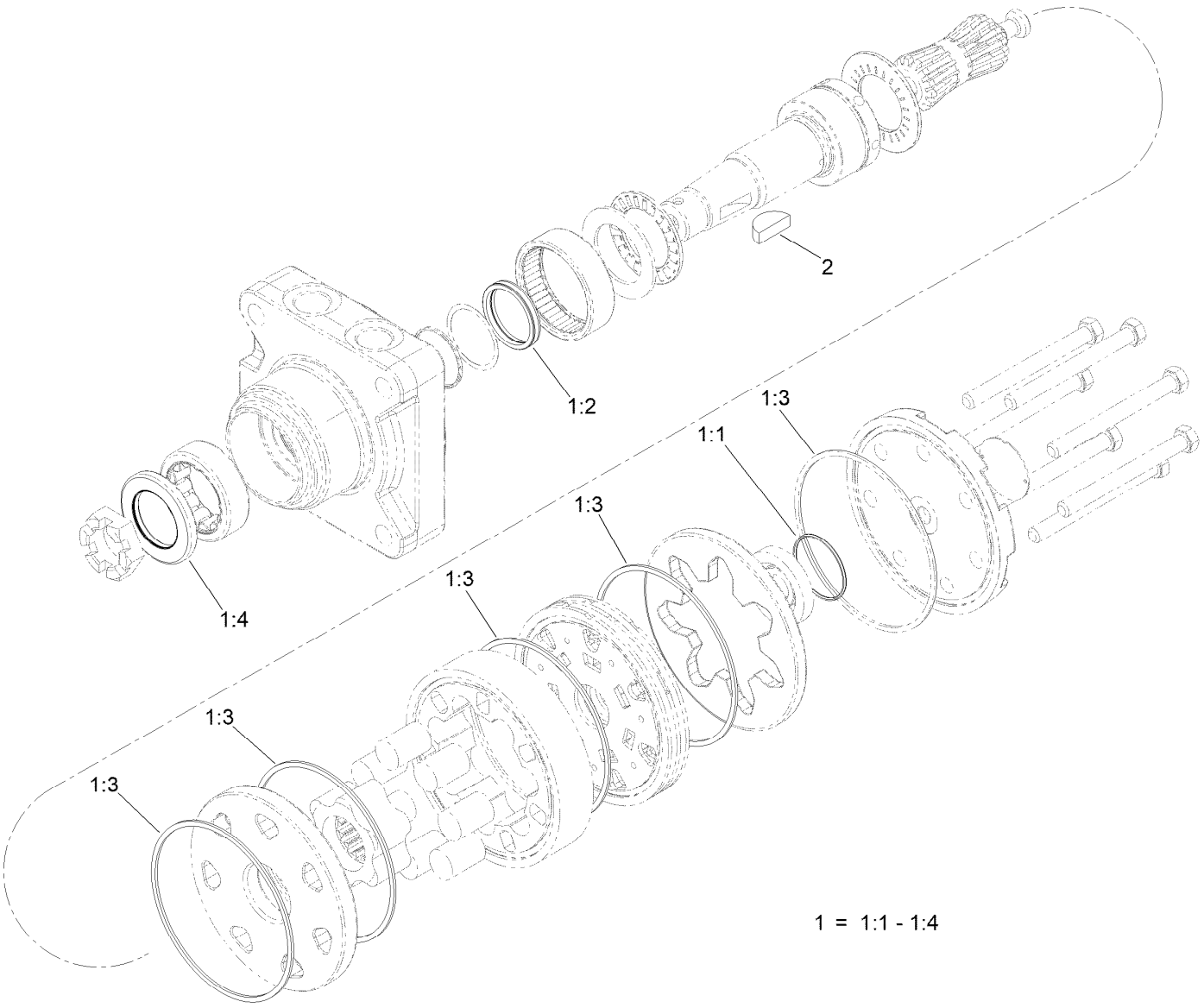
● Not illustrated



Rear Traction Hydraulic Circuit

Ref.	Part Number	Qty.	Description
1	138-0436	1	Motor-Hydraulic, CW
2	138-0435	1	Motor-Hydraulic, CCW
3	3253-7	8	Washer-Lock
4	325-9	8	Screw-HH
5	93-6981	3	Spacer
6	3253-21	3	Washer-Lock
7	59-7410	2	Fitting-Diagnostic
7:1	237-42	1	O-Ring
8	354-79	2	Cap-Dust
9	119-1419	2	Plate-Clamp
10	106-3662	4	Hose-HYD
11	108-7645	1	Hose-HYD
12	108-7626	1	Tube ASM
12:1	237-65	1	O-Ring
13	108-7625	1	Tube ASM
13:1	237-65	1	O-Ring

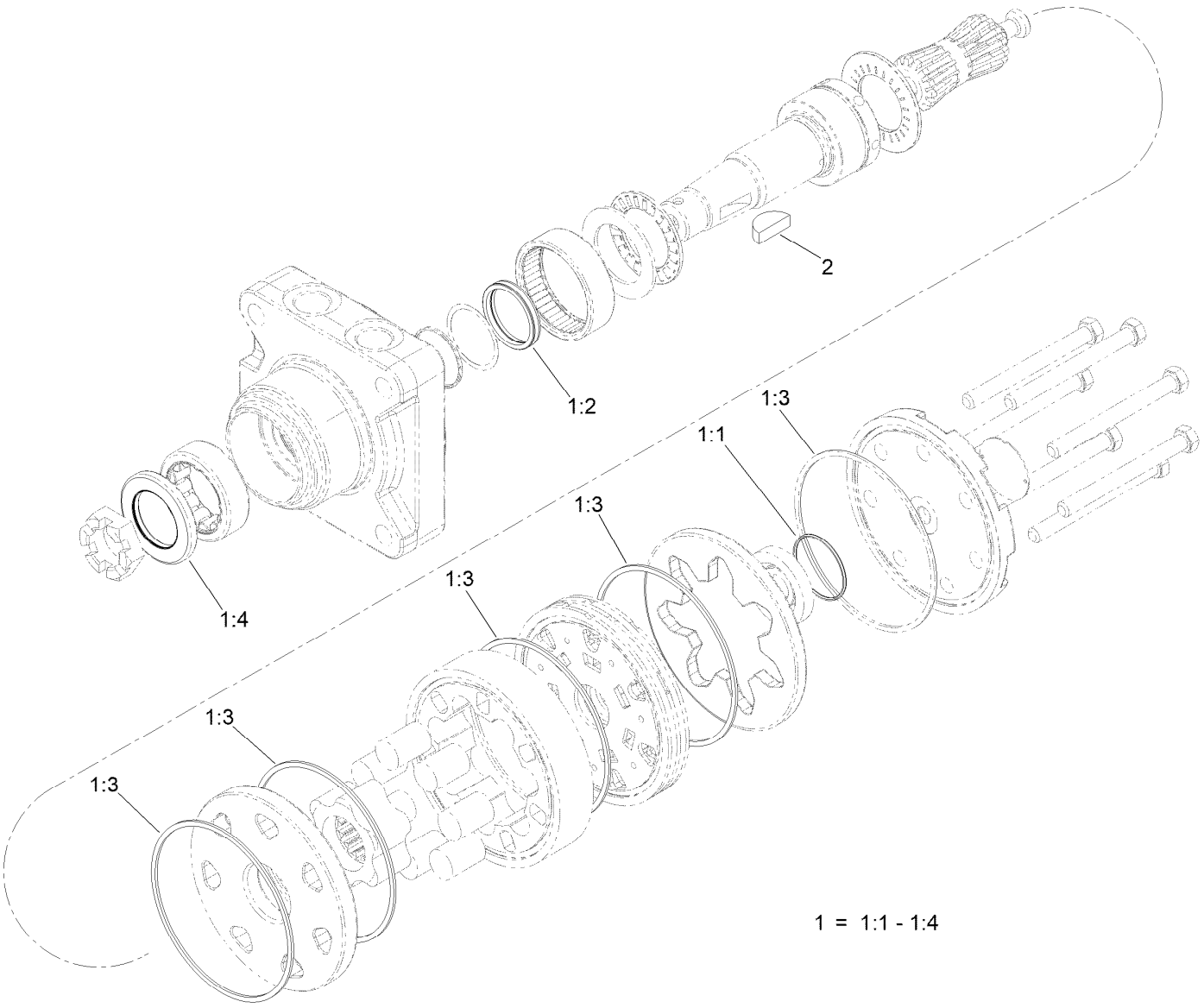
Ref.	Part Number	Qty.	Description
14	108-7624	1	Tube ASM
14:1	237-65	1	O-Ring
16	56-7971	2	Clamp-Tube
17	94-5780	1	Screw-HWH
18	104-8300	1	Nut-HF, NI
19	340-14	4	Fitting-HYD, 45 DEG
19:1	237-65	1	O-Ring
19:2	237-80	1	O-Ring
20	340-74	3	Nut-Lock, Bulkhead
21	108-1825	1	HYD Manifold ASM
22	340-7	7	Fitting-Straight
22:1	237-65	1	O-Ring
22:2	237-80	1	O-Ring
23	323-9	3	Screw-HH
24	145-2560	1	Hydraulic Tube ASM



Hydraulic Motor Assembly No. 138-0436

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

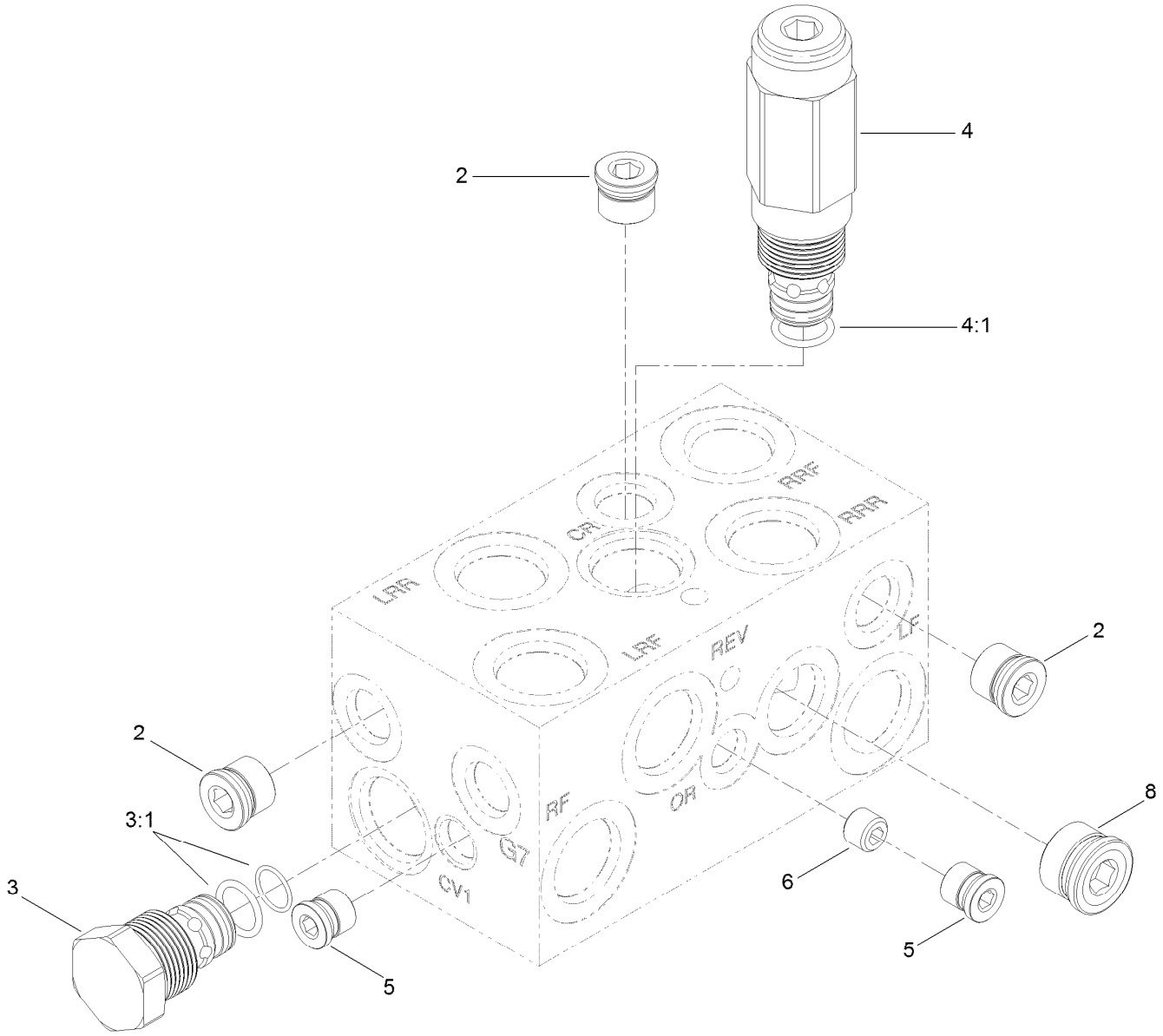
● Not serviced separately



Hydraulic Motor Assembly No. 138-0435

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

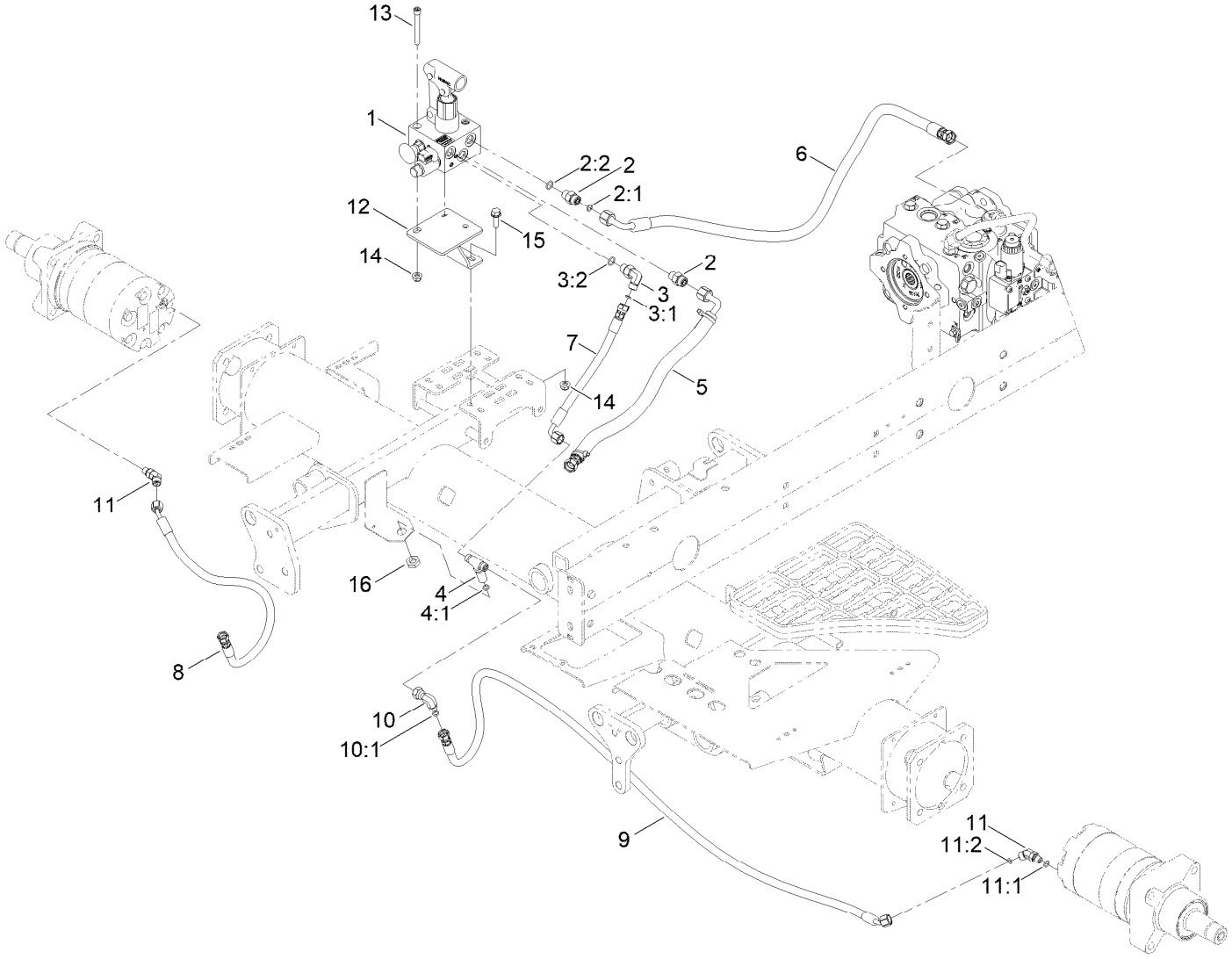
● Not serviced separately



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

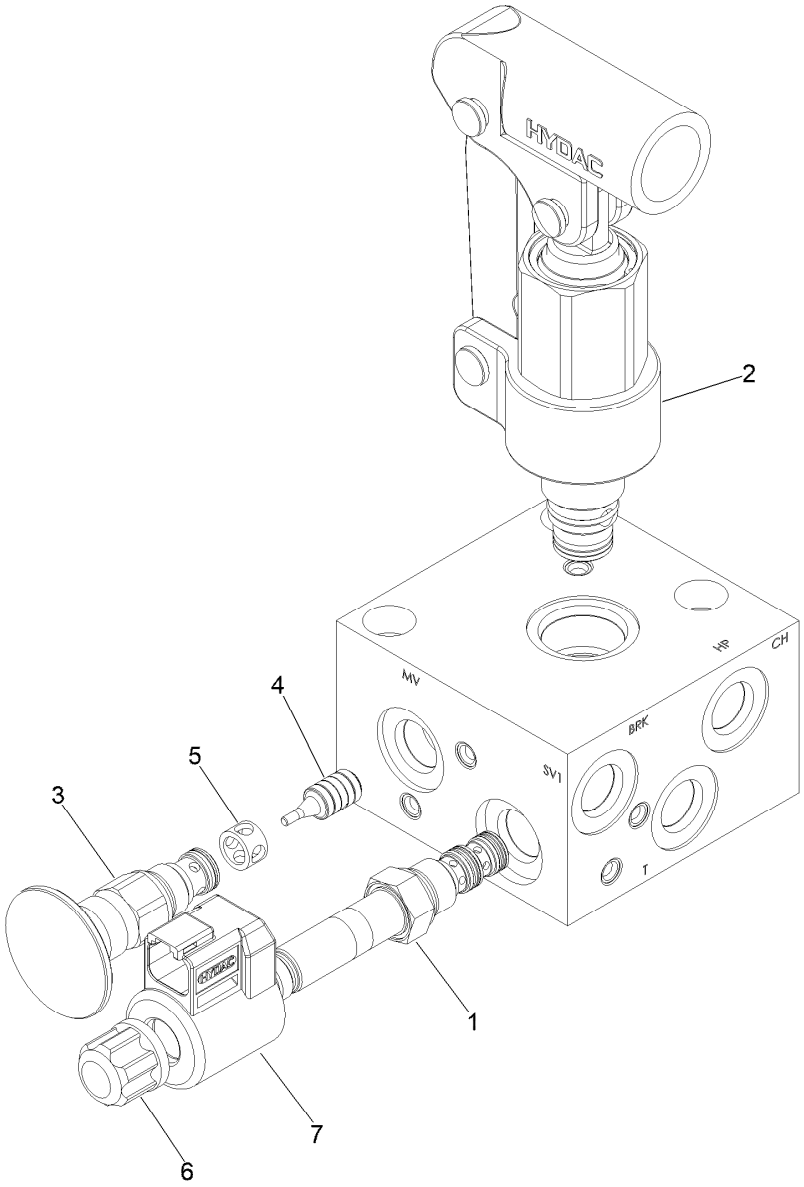
● Not illustrated



Hydraulic Brake Assembly

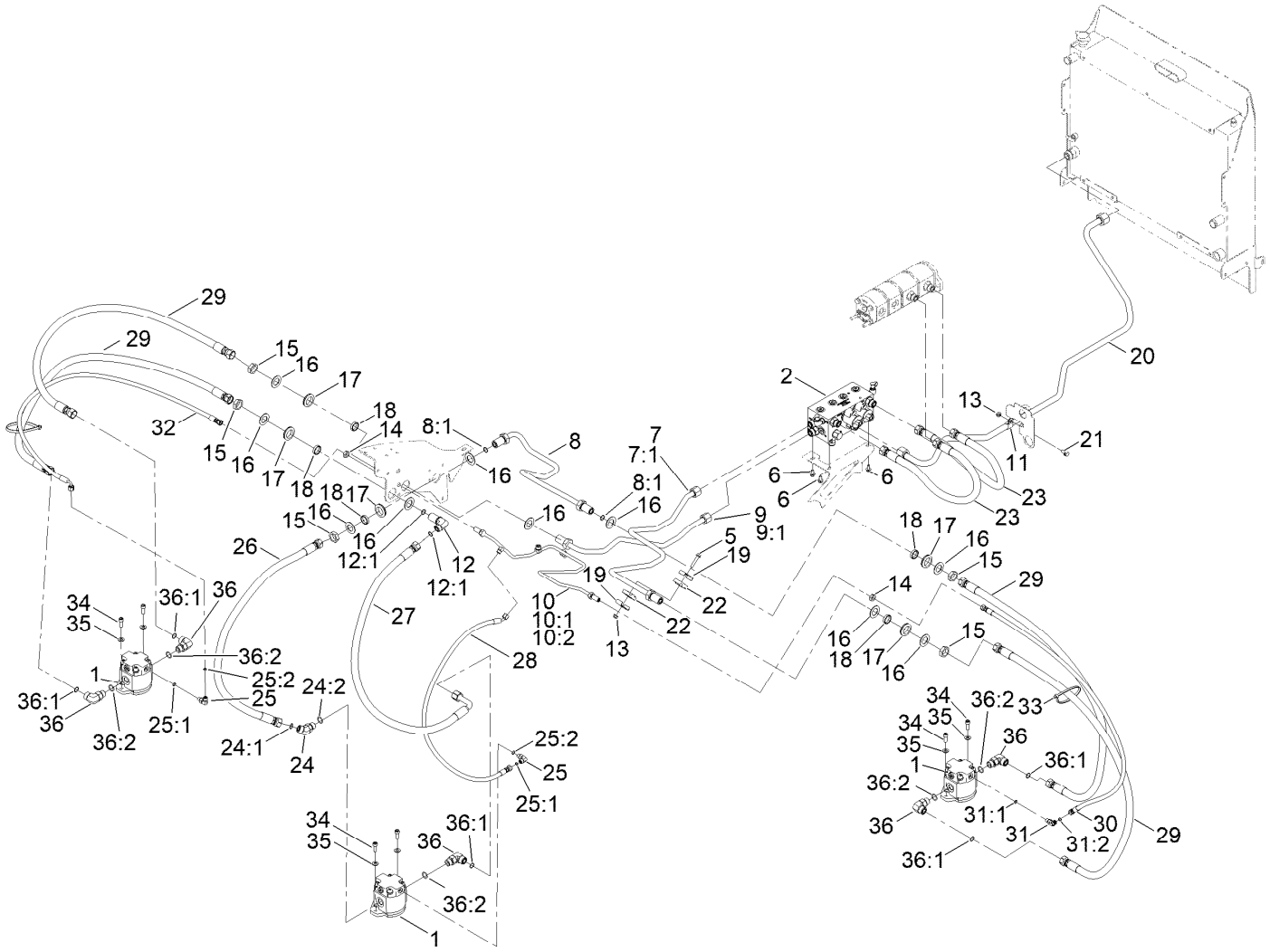
Ref.	Part Number	Qty.	Description
1	139-6046	1	Manifold-Brake Release
2	340-2	2	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	340-82	1	Fitting-Elbow, 90 DEG
3:1	237-42	1	O-Ring
3:2	237-21	1	O-Ring
4	140-7452	1	Fitting-Tee, Bulkhead
4:1	237-21	3	O-Ring
5	163-3508	1	Hose ASM-HYD
6	145-2455	1	Hose ASM-Hydraulic
7	121-4455	1	Hose-HYD
8	145-2599	1	Hose ASM-HYD HP

Ref.	Part Number	Qty.	Description
9	115-2029	1	HYD Hose ASM
10	92-2745	1	Elbow-90
10:1	237-21	1	O-Ring
11	340-103	2	Fitting-HYD, 45 DEG
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	145-2459-03	1	Mount - Brake Release [black]
13	3274-40	3	Screw-HSH
14	104-8300	5	Nut-HF, NI
15	3234-29	2	Screw-HHF
16	340-78	1	Nut-Lock



Brake Release Manifold Assembly No. 139-6046

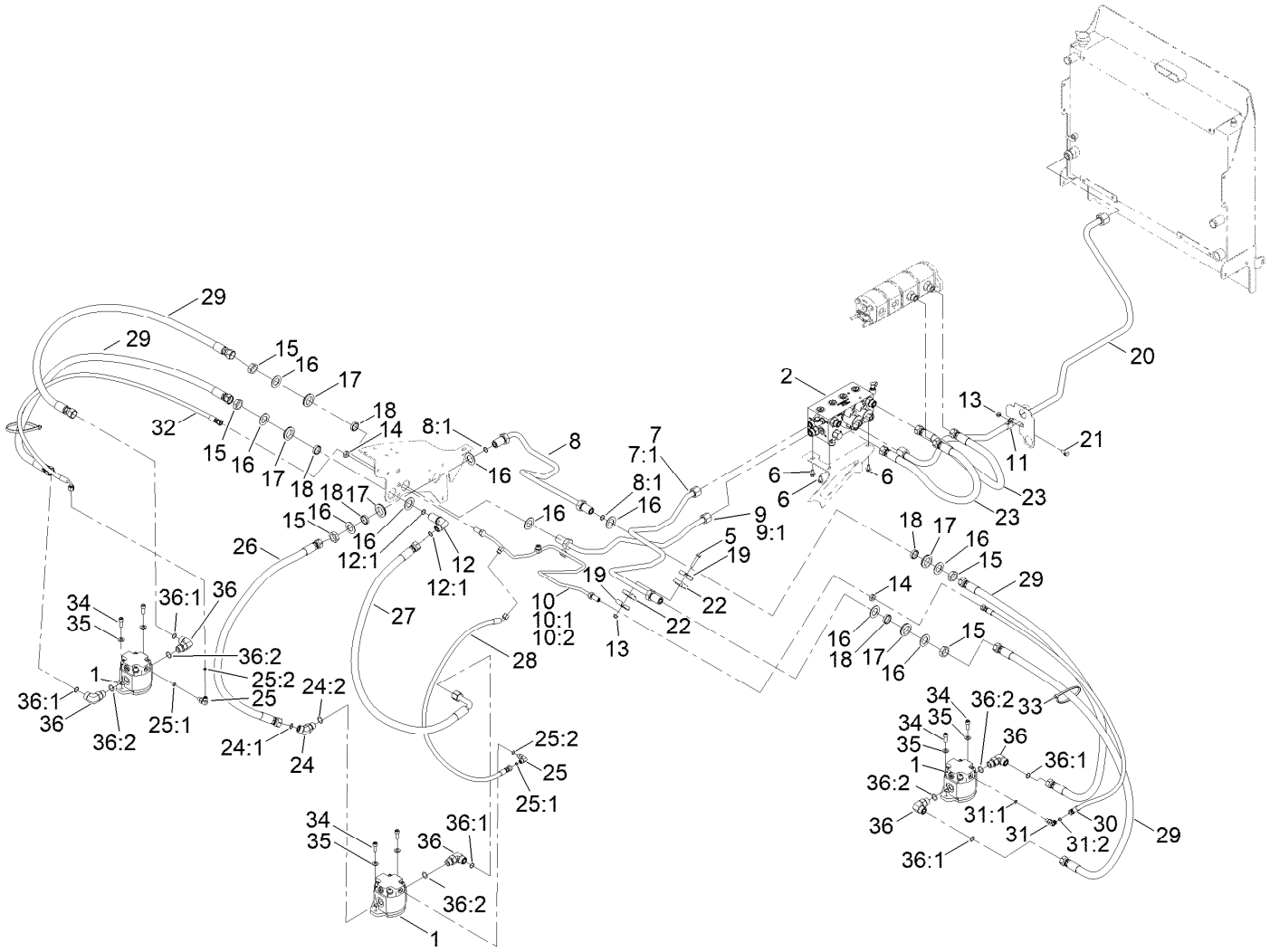
Ref.	*Part Number*	*Qty.*	*Description*
1	145-2563	1	Directional Valve, 3W/2P
2	145-2564	1	Hand Pump
3	145-2565	1	Manual Valve, N.O.
4	145-2566	1	Pilot Piston Assy, Rvs06
5	145-2567	1	Spacer
6	145-2569	1	Coil Nut, Tall (06 Valves)
S1	145-2568	1	Coil 12Dn01-32-1329



Rear Deck Hydraulic Assembly

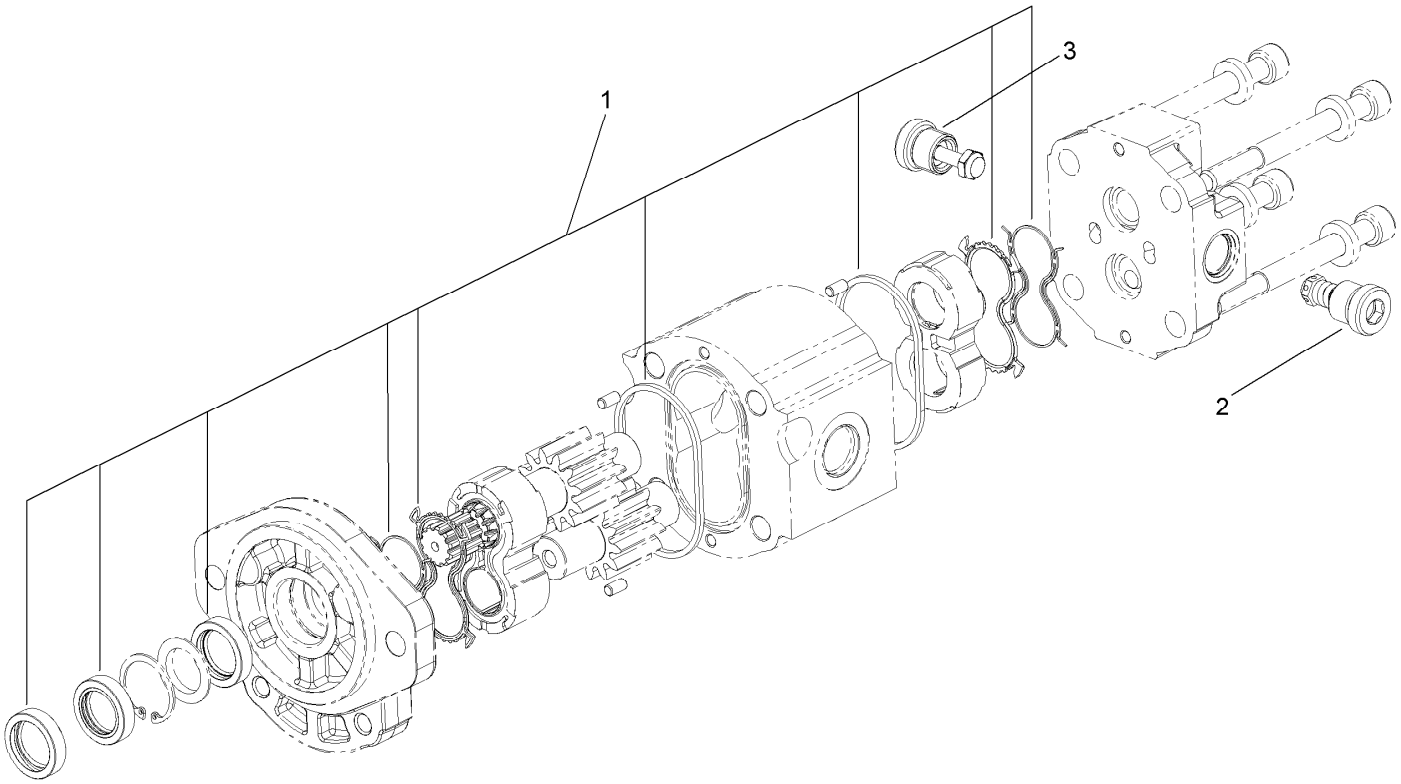
Ref.	Part Number	Qty.	Description
1	108-4004	3	Gear Motor ASM
2	114-0359	1	Deck Control Manifold ASM
5	94-5780	1	Screw-HWH
6	3234-14	3	Screw-HHF
7	145-2530	1	Hydraulic Tube ASM
7:1	237-65	1	O-Ring
8	117-0137	1	Tube ASM
8:1	237-65	2	O-Ring
9	145-2529	1	Hydraulic Tube ASM
9:1	237-65	1	O-Ring
10	163-3513	1	Hydraulic Tube ASM
10:1	237-22	2	O-Ring
10:2	237-21	3	O-Ring
11	2412-4	1	Clamp-R
12	340-72	1	Fitting-Bulkhead, 90 DEG
12:1	237-65	2	O-Ring
13	104-8300	2	Nut-HF, NI
14	340-78	2	Nut-Lock
15	340-74	5	Nut-Lock, Bulkhead
16	69-9010	10	Washer
17	240-3	5	Grommet-Rubber

Ref.	Part Number	Qty.	Description
18	125-1984	5	Spacer
19	119-1419	2	Plate-Clamp
20	120-3769	1	Hydraulic Tube ASM
21	3234-5	1	Screw-HHF
22	56-7970	2	Clamp-Tube
23	108-1686	2	Hose-HYD
24	340-14	1	Fitting-HYD, 45 DEG
24:1	237-65	1	O-Ring
24:2	237-80	1	O-Ring
25	340-132	2	Fitting-Elbow, 90 DEG
25:1	237-78	1	O-Ring
25:2	237-21	1	O-Ring
26	117-0213	1	HYD Hose ASM
27	117-0211	1	HYD Hose ASM
28	140-7456	1	Hose ASM
29	117-0299	4	HYD Hose ASM
30	104-9323	1	Hose-HYD
31	340-103	1	Fitting-HYD, 45 DEG
31:1	237-78	1	O-Ring
31:2	237-21	1	O-Ring
32	92-7638	1	Hose ASM



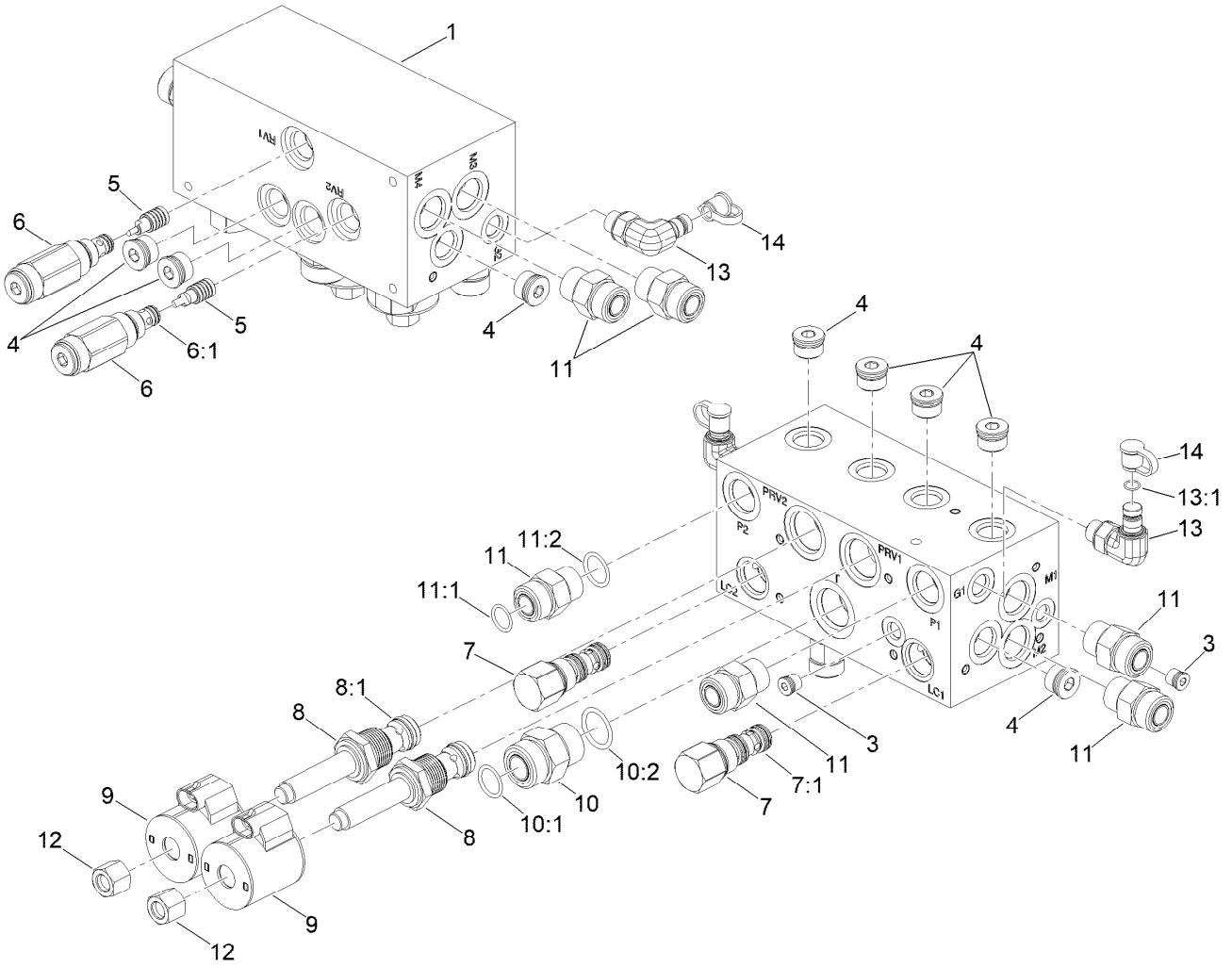
Rear Deck Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
33	3334-945	9	Tie-Cable
34	3274-7	6	Screw-HSH
35	3256-24	6	Washer-Plain
36	340-17	5	Fitting-Elbow, 90 DEG
36:1	237-65	1	O-Ring
36:2	237-80	1	O-Ring



Gear Motor Assembly No. 108-4004

Ref.	*Part Number*	*Qty.*	*Description*
1	161-7216	1	Seal Kit
2	107-7820	1	Valve-Relief
3	107-7821	1	Valve-Anticavitation

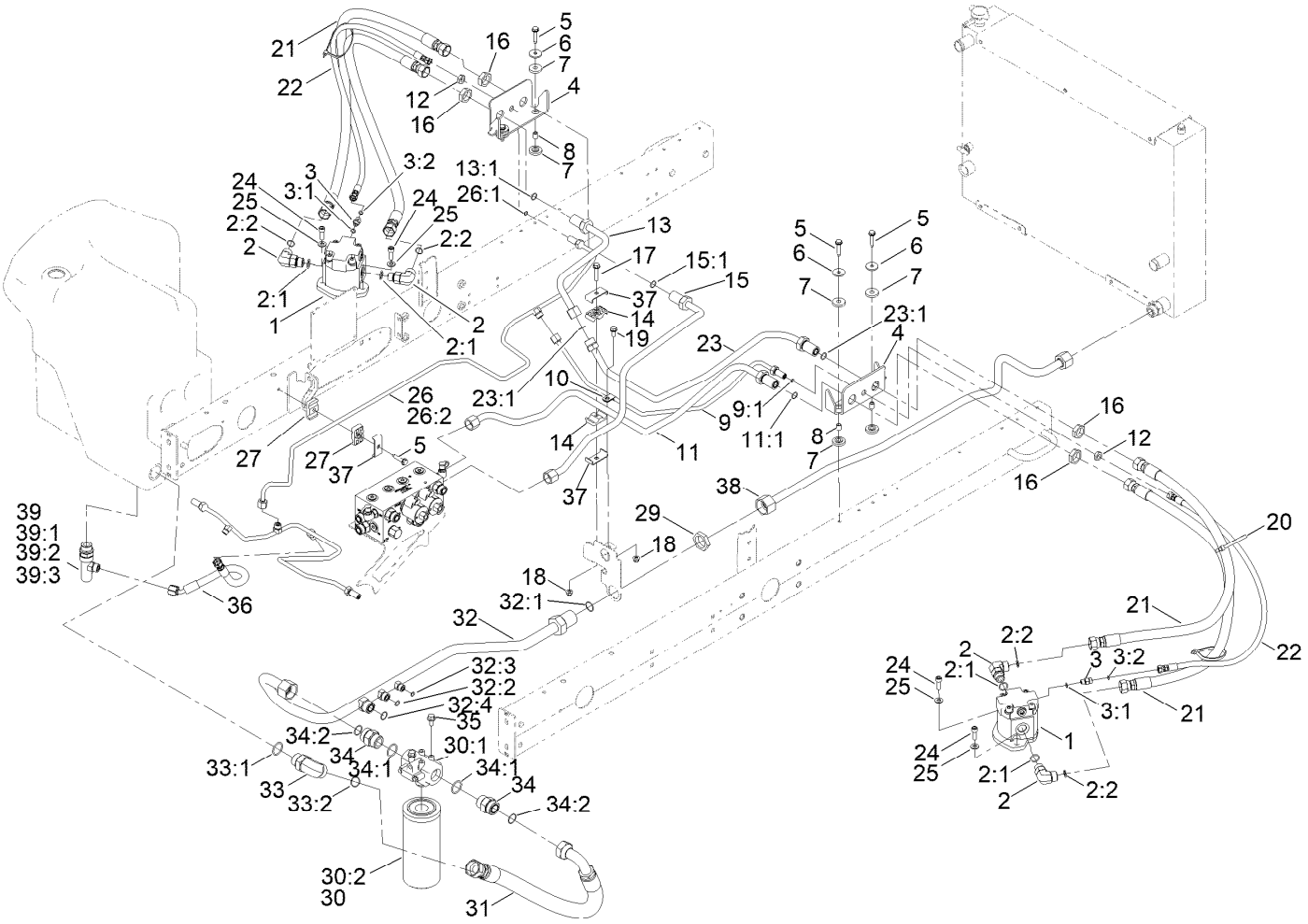


Deck Control Manifold Assembly No. 114-0359

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
8:1	117-1114	1	*obs* Seal Kit
9	110-6344	2	Coil-12V, DC

Ref.	Part Number	Qty.	Description
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
12		2	Coil Nut ●
13	115-9148	2	Fitting-Elbow-90
13:1	237-42	1	O-Ring
14	354-79	2	Cap-Dust

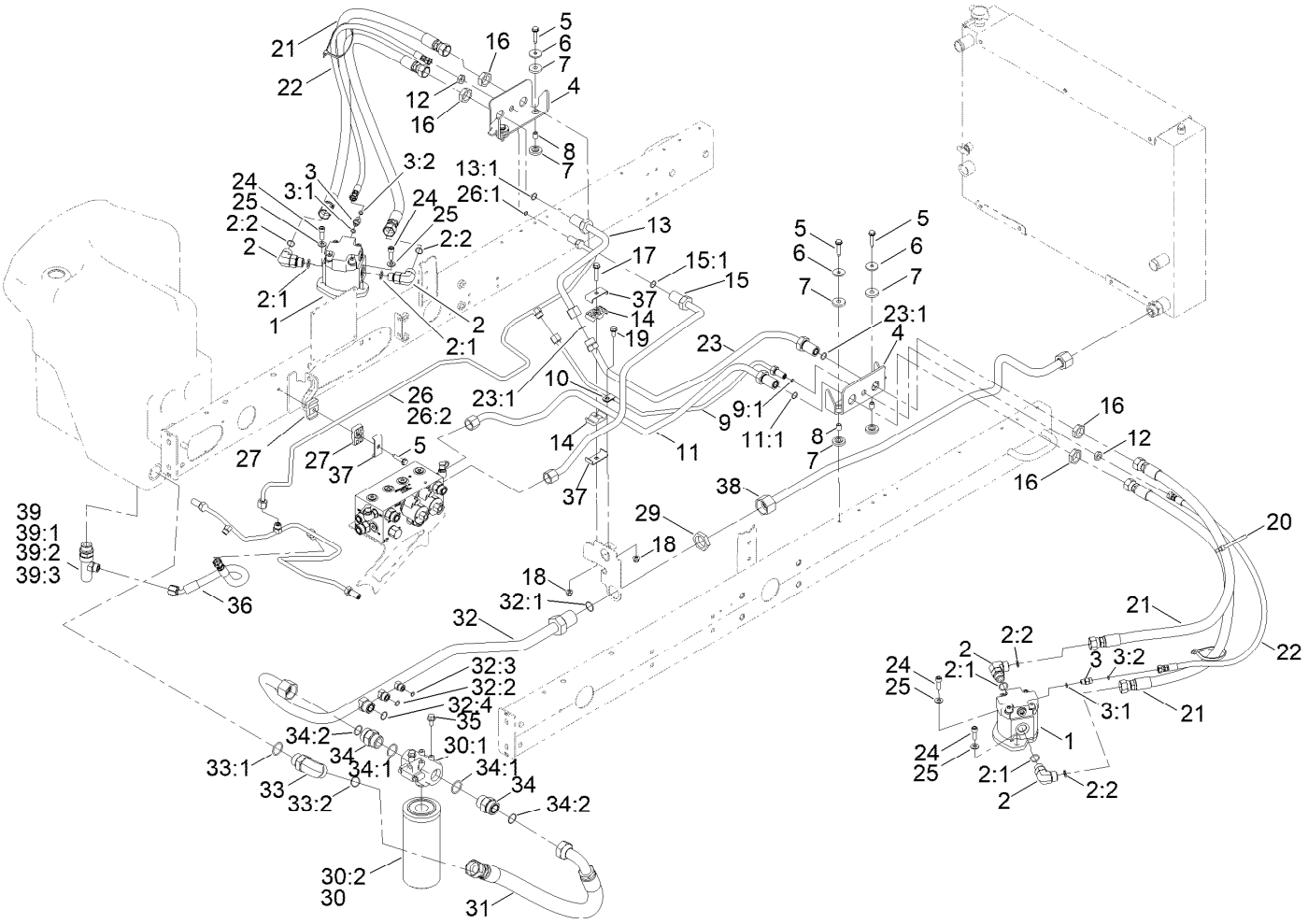
● Not serviced separately



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-Thd Roll
6	105-3048	4	Washer-Flat
7	240-11	8	Bushing-Flange
8	99-8611	4	Spacer
9	120-3772	1	HYD Tube ASM
9:1	237-21	1	O-Ring
10	2412-113	1	Clamp-R
11	145-2534	1	Hydraulic 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

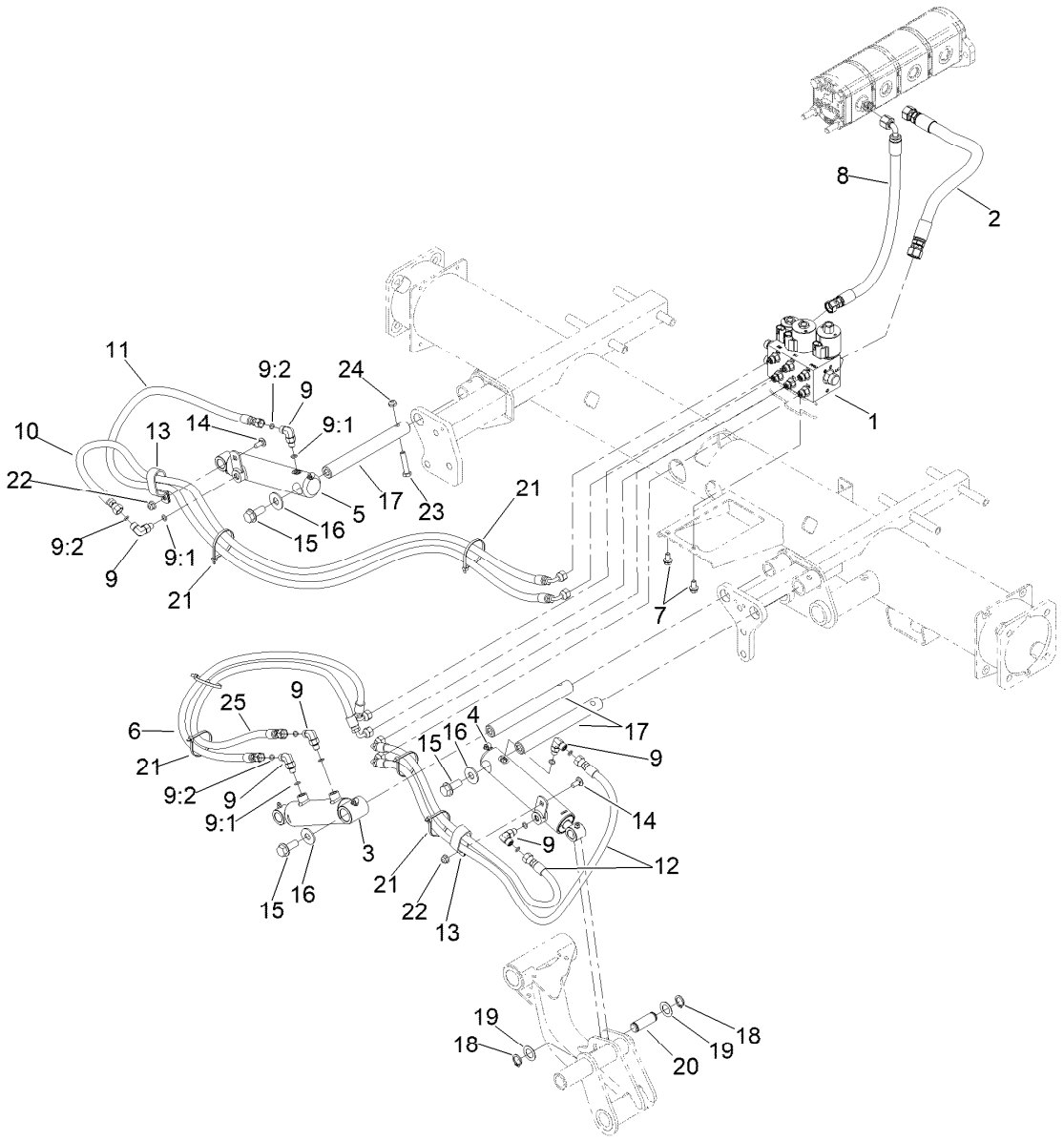
Ref.	Part Number	Qty.	Description
15	145-2527	1	Hydraulic Tube ASM
15:1	237-65	1	O-Ring
16	340-74	4	Nut-Lock, Bulkhead
17	94-5780	1	Screw-HWH
18	104-8300	2	Nut-HF, NI
19	3234-5	1	Screw-HHF
20	3334-945	6	Tie-Cable
21	105-1215	4	Hose-HYD
22	108-6507	2	Hose-HYD
23	120-3775	1	HYD Tube ASM
23:1	237-65	2	O-Ring
24	3274-7	4	Screw-HSH
25	3256-24	4	Washer-Plain
26	145-2533	1	Hydraulic Tube ASM
26:1	237-21	1	O-Ring
26:2	237-22	1	O-Ring
27	56-7972	2	Clamp-Tube
29	340-128	1	Nut-Bulkhead
30	98-3923	1	Oil Filter ASM
30:1	104-0080	1	Filter Head ASM
30:2	94-2621	1	Element-Filter



Rear Deck Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
31	108-1689	1	Hose-HYD
32	144-2055	1	Tube ASM-Hydraulic
32:1	340-65	1	O-Ring
32:2	237-30	1	O-Ring
32:3	237-22	1	O-Ring
32:4	237-58	1	O-Ring
33	340-129	1	Fitting-Elbow, 90 DEG
33:1	237-146	1	O-Ring
33:2	340-65	1	O-Ring
34	104-3797	2	Fitting-Straight

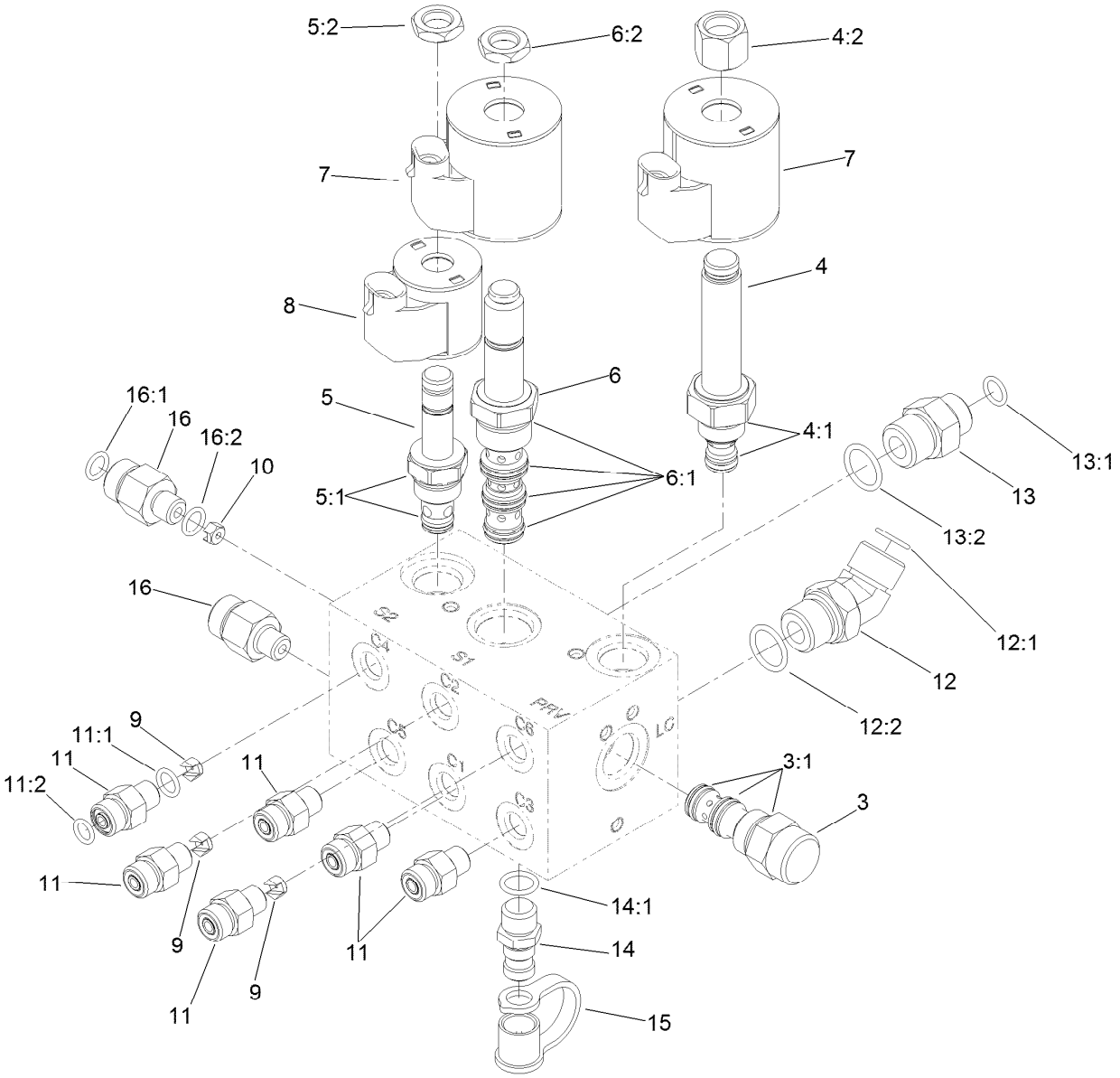
Ref.	Part Number	Qty.	Description
34:1	237-146	1	O-Ring
34:2	340-65	1	O-Ring
35	3234-1	2	Screw-HHF
36	163-3514	1	Hose ASM-HYD
37	119-1419	3	Plate-Clamp
38	121-5600	1	HYD Tube ASM
39	144-2080	1	Fitting-Manifold
39:1	237-81	1	O-Ring
39:2	237-30	1	O-Ring
39:3	237-22	1	O-Ring



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

Ref.	*Part Number*	*Qty.*	*Description*
1	117-0158	1	Lift Control Manifold ASM
2	117-0729	1	Hose ASM
3	163-3531	1	Cylinder-Hydraulic
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	145-2585	1	Hose ASM-HYD
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

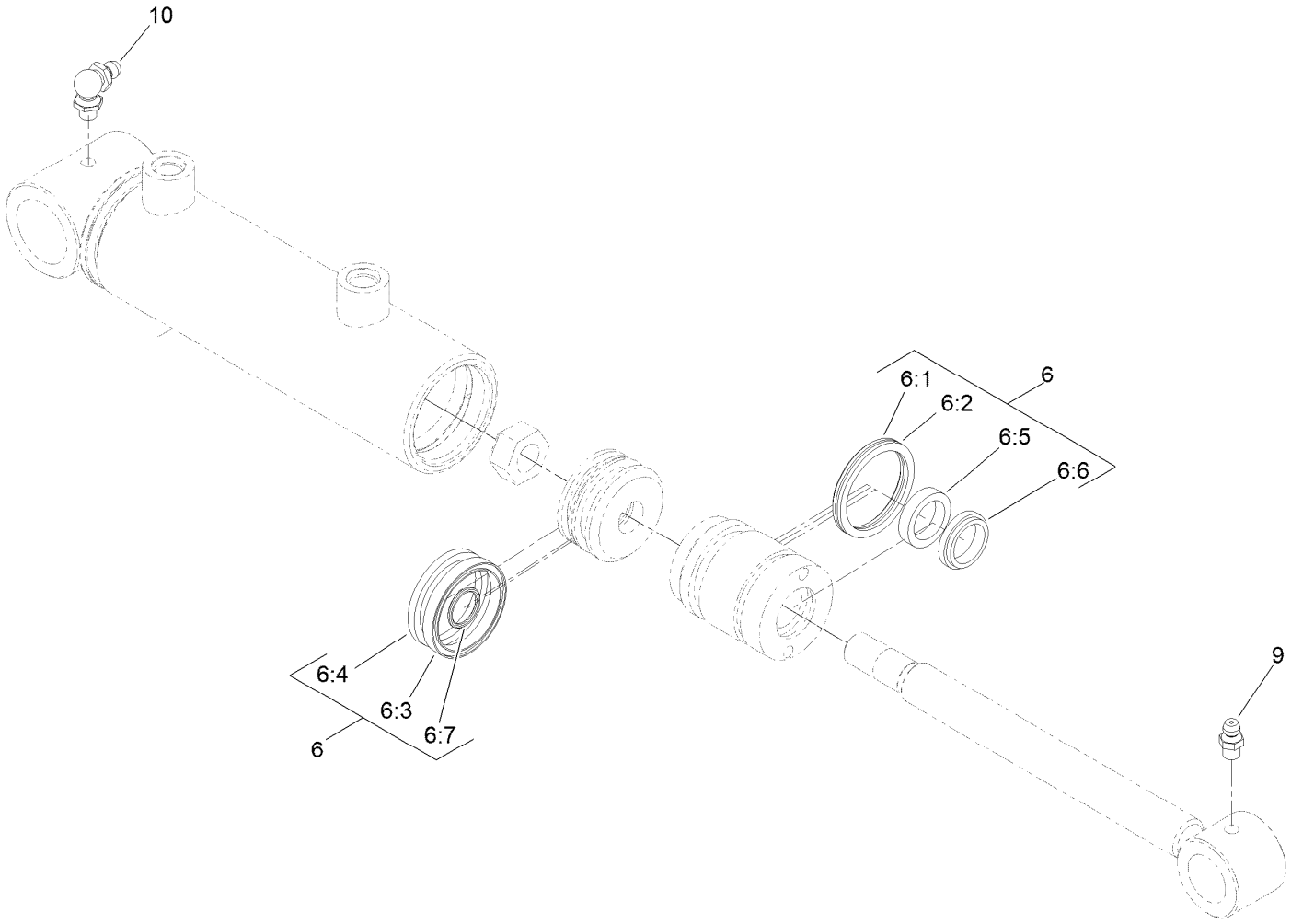
Ref.	*Part Number*	*Qty.*	*Description*
13	2412-137	2	Clamp-R, Double
14	3230-23	2	Bolt-CARR
15	3234-38	3	Screw-HHF
16	3256-6	3	Washer-Flat
17	117-0148	3	Pin-Cylinder
18	32120-93	6	Ring-Retaining
19	3-6498	6	Washer-Thrust
20	104-0046	3	Pin-Slide, Cylinder
21	3290-379	6	Tie-Cable
22	104-8300	2	Nut-HF, 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	130-8180	1	Nut-Coil (9/16-24 Unef-2B)
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

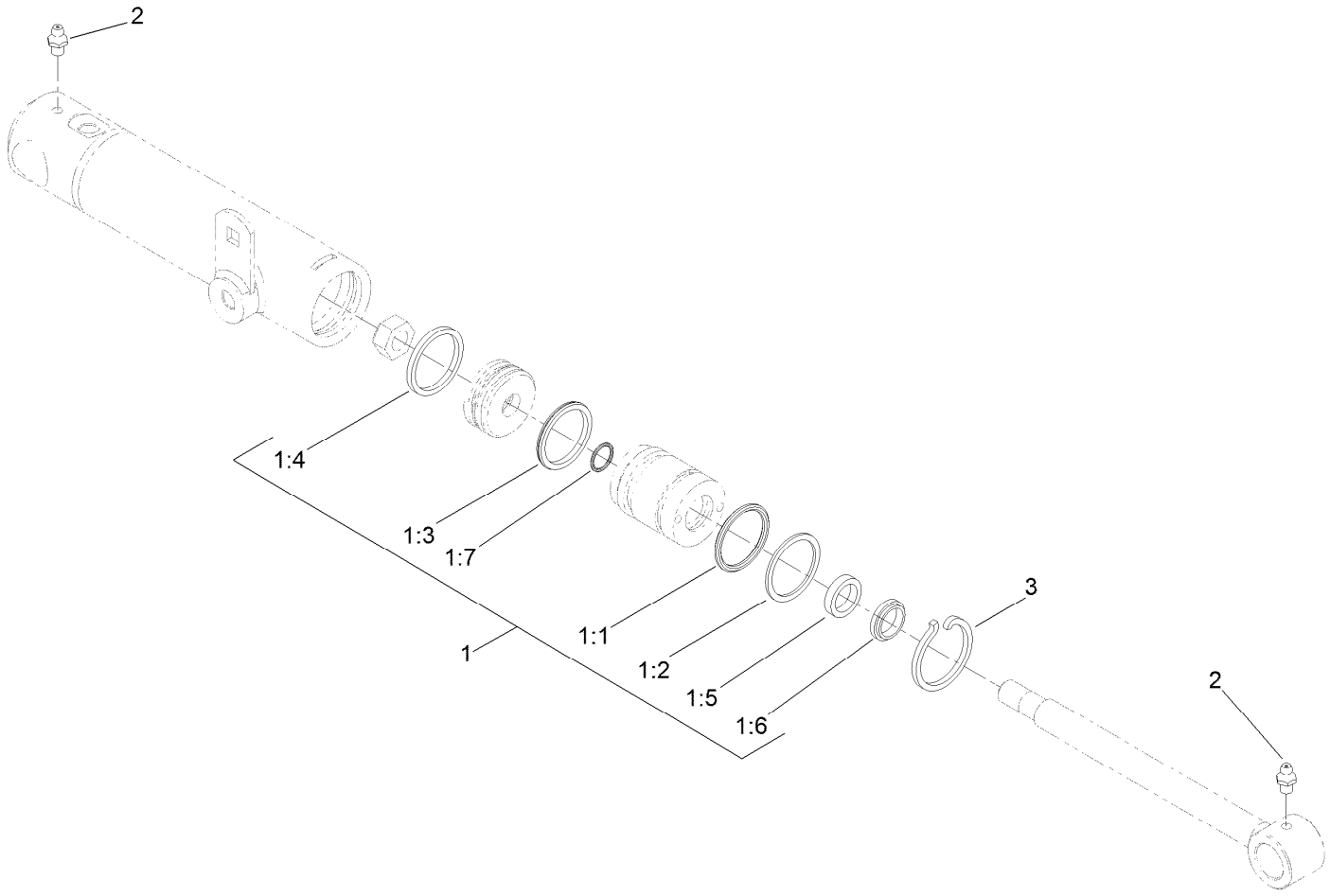
Ref.	Part Number	Qty.	Description
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	340-101	1	Fitting-HYD, 45 DEG
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	340-3	1	Fitting-Straight
13:1	237-22	1	O-Ring
13:2	237-79	1	O-Ring
14	59-7410	1	Fitting-Diagnostic
14:1	237-42	1	O-Ring
15	354-79	1	Cap-Dust
16	340-88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



Hydraulic Cylinder Assembly No. 163-3531

Ref.	*Part Number*	*Qty.*	*Description*
6	163-3529	1	Seal Kit
6:1		1	O-Ring ●
6:2		1	Backup ●
6:3		1	Pps Seal ●
6:4		1	Wear Ring-Ht ●
6:5		1	Bt Seal ●
6:6		1	Dust Seal-Dt ●
6:7		1	O-Ring ●
9	302-5	1	Fitting-Grease
10	302-60	1	Fitting-Grease

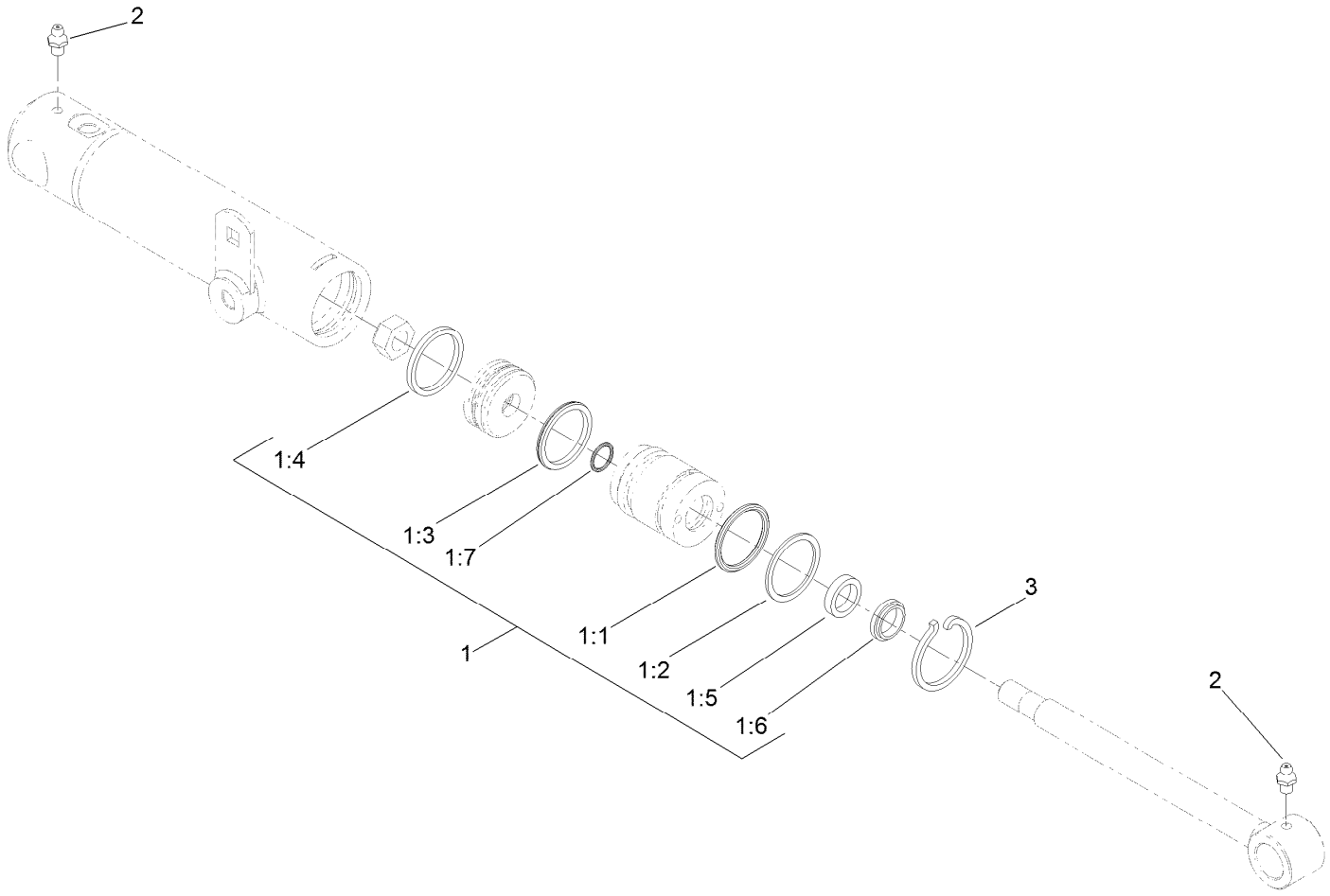
● Not serviced separately



Hydraulic Cylinder Assembly No. 119-6990

Ref.	*Part Number*	*Qty.*	*Description*
1	133-2900	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	Bt Seal ●
1:6		1	Dust Seal-Dt ●
1:7		1	O-Ring ●
2	302-5	2	Fitting-Grease
3	84-1680	1	Ring-Retaining

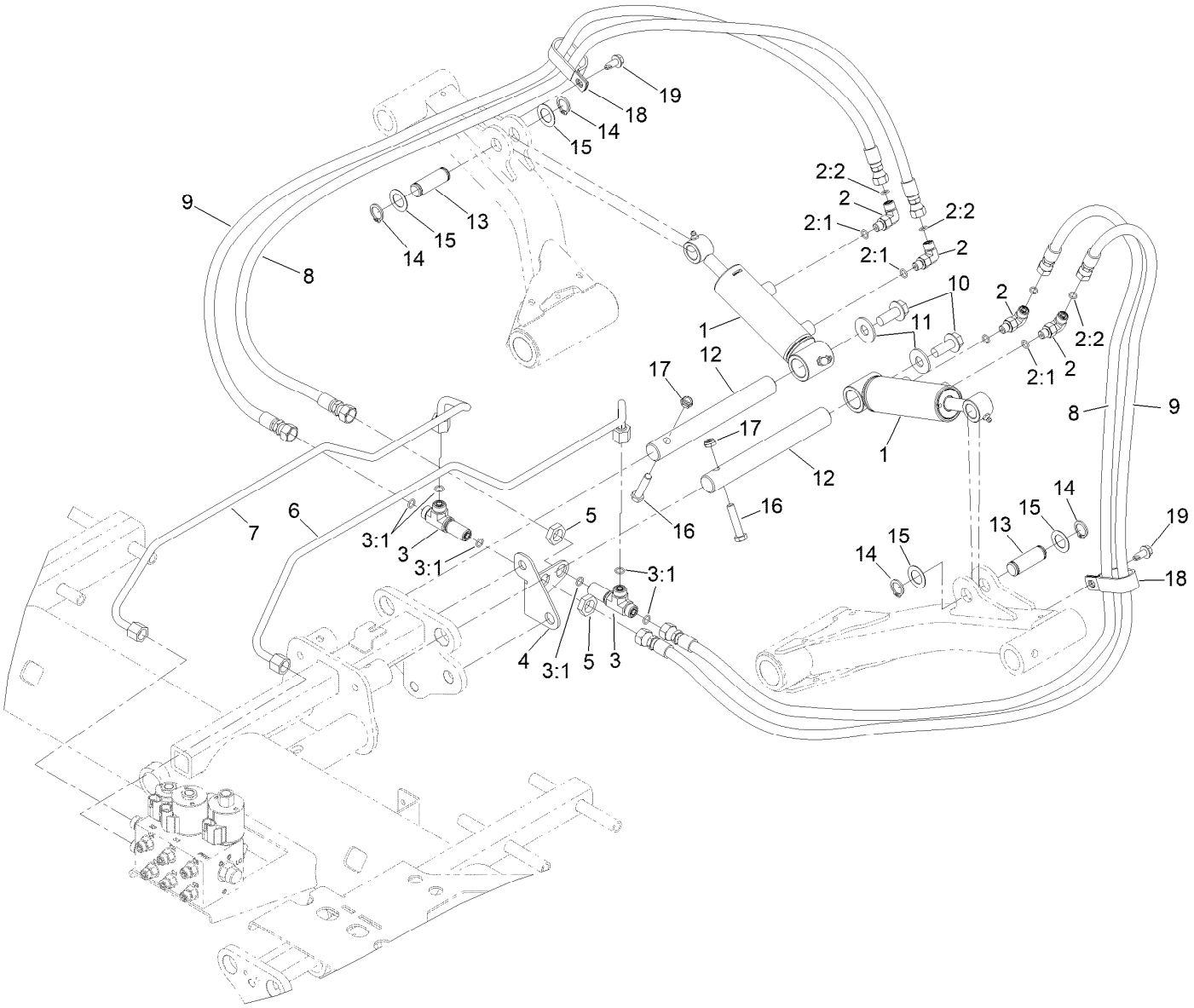
● Not serviced separately



Hydraulic Cylinder Assembly No. 119-6991

Ref.	*Part Number*	*Qty.*	*Description*
1	133-2900	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	Bt Seal ●
1:6		1	Dust Seal-Dt ●
1:7		1	O-Ring ●
2	302-5	2	Fitting-Grease
3	84-1680	1	Ring-Retaining

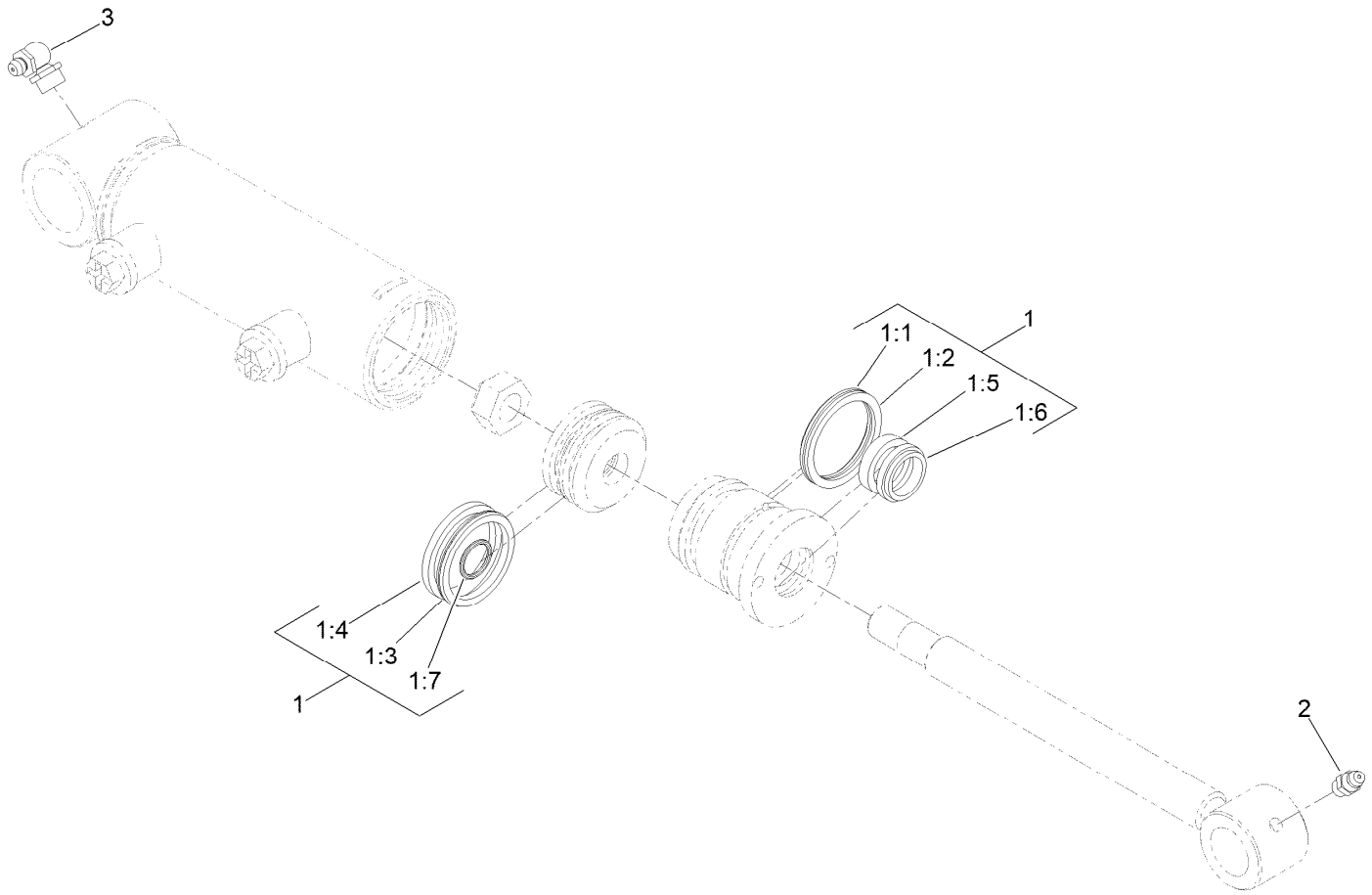
● Not serviced separately



Deck No. 2 and 3 Lift Circuit Hydraulic Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	163-2624	2	Cylinder-Hydraulic
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

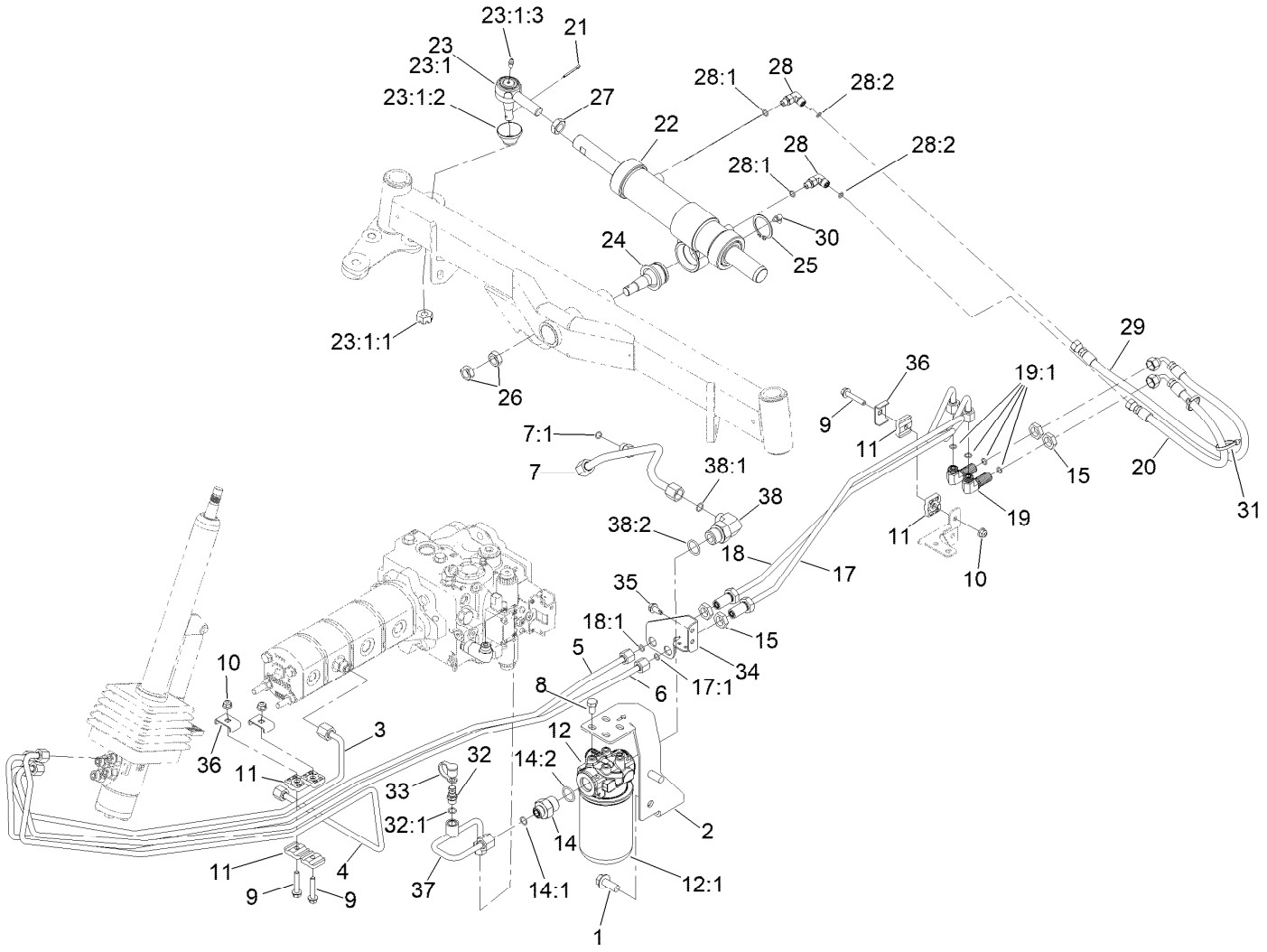
Ref.	*Part Number*	*Qty.*	*Description*
9	105-5405	2	Hose-HYD
10	3234-38	2	Screw-HHF
11	3256-6	2	Washer-Flat
12	117-0148	2	Pin-Cylinder
13	104-0046	2	Pin-Slide, Cylinder
14	32120-93	4	Ring-Retaining
15	3-6498	4	Washer-Thrust
16	323-9	2	Screw-HH
17	3296-59	2	Nut-Lock, NI
18	2412-137	2	Clamp-R, Double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



Hydraulic Cylinder Assembly No. 163-2624

Ref.	*Part Number*	*Qty.*	*Description*
1	163-3529	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Pps Seal ●
1:4		1	Wear Ring-Ht ●
1:5		1	Bt Seal ●
1:6		1	Dust Seal-Dt ●
1:7		1	O-Ring ●
2	302-5	1	Fitting-Grease
3	302-33	1	Fitting-Grease

● Not serviced separately

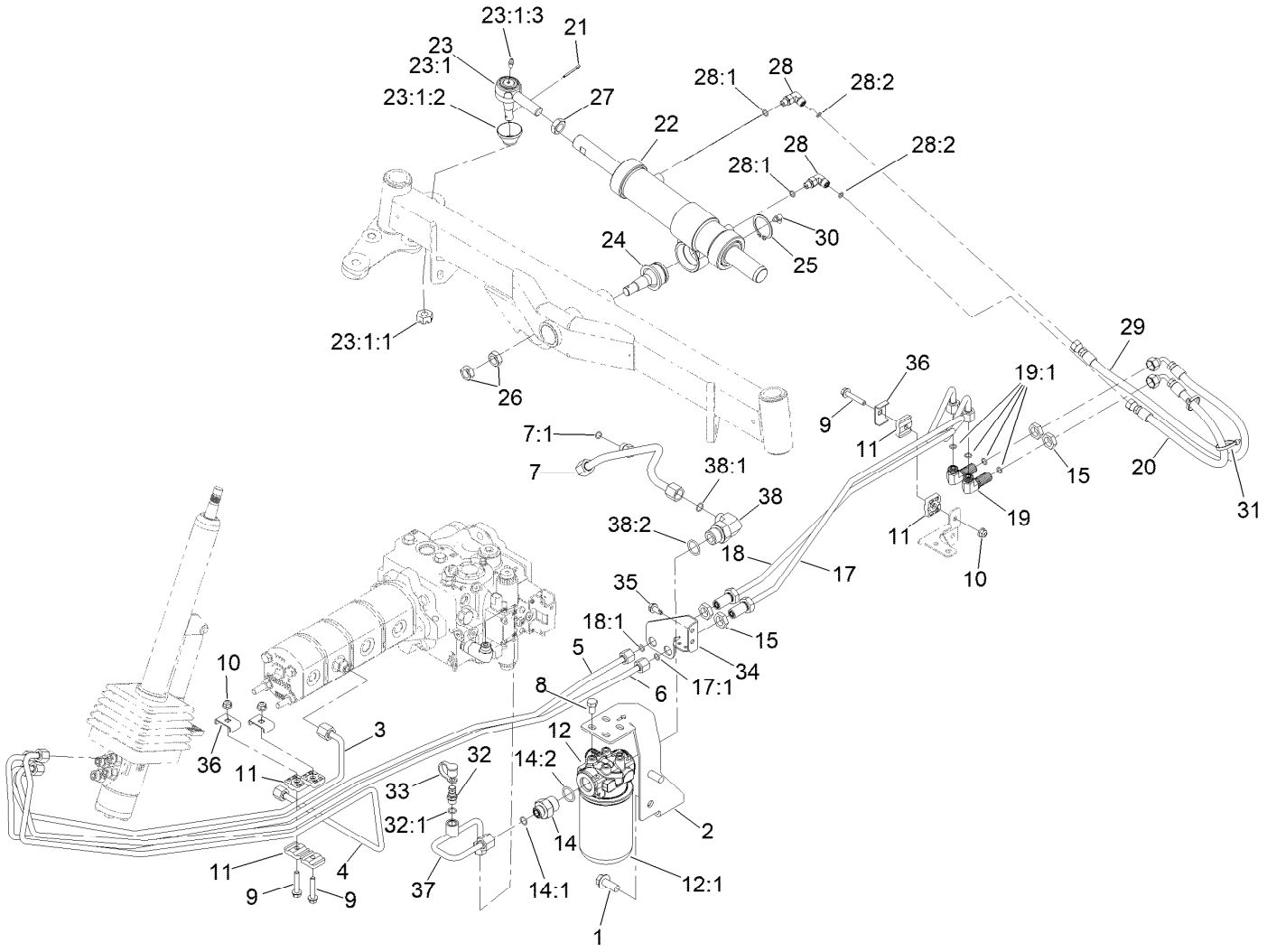


Steering Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	3234-38	2	Screw-HHF
2	145-2477-0P	1	Bracket-Mount, Filter
3	145-2502	1	Tube ASM-Hydraulic
4	144-2054	1	Tube ASM-Hydraulic
5	144-2094	1	Tube ASM-Hydraulic
6	144-2095	1	Tube ASM-Hydraulic
7	145-2562	1	Hydraulic Tube ASM
7:1	237-22	1	O-Ring
8	33115-016	4	Screw-HH
9	94-5780	3	Screw-HWH
10	104-8300	3	Nut-HF, NI
11	56-7973	6	Clamp-Tube
12	93-2242	1	Oil Filter ASM
12:1	75-1310	1	Filter-HYD
14	100-4240	1	Fitting-STR
14:1	237-30	1	O-Ring
14:2	237-81	1	O-Ring
15	340-70	4	Nut-Lock
17	133-2988	1	Tube ASM
17:1	237-22	1	O-Ring
18	133-2989	1	Tube ASM
18:1	237-22	1	O-Ring
19	340-154	2	Union-Bulkhead
19:1	237-22	2	O-Ring
20	110-0928	1	Hose-HYD
21	3272-12	1	Pin-Cotter
22	138-6994	1	Cylinder-Hydraulic
23	71-4740-03	1	RH Tie Rod End ASM
23:1		1	End-Rod, Tie (RH) ●■
23:1:1	105-7941	1	Nut-Hex, Slotted
23:1:2	105-7835	1	Seal
23:1:3	302-5	1	Fitting-Grease
24	106-6774	1	Joint-Ball
25	32151-104	1	Ring-Retaining, External
26	3220-6	2	Nut-Jam
27	84-5300	1	Nut-Jam

● Not illustrated

■ Not serviced separately



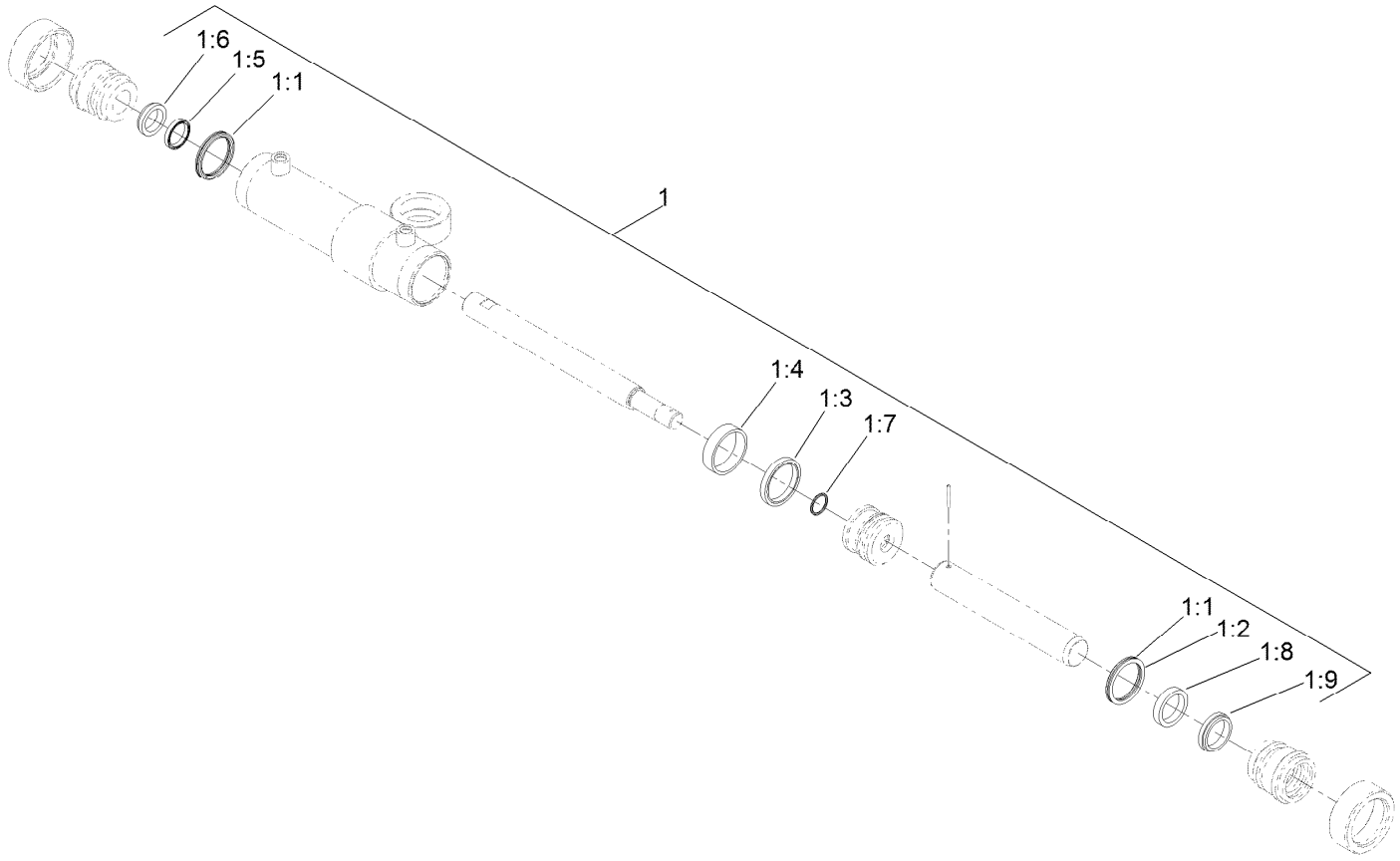
Steering Hydraulic Assembly (continued)

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
31	3290-378	2	Tie-Cable
32	59-7410	1	Fitting-Diagnostic
32:1	237-42	1	O-Ring

Ref.	Part Number	Qty.	Description
33	353-947	1	Cap-Dust, Black
34	120-3781-0P	1	Brkt-Bulhead Steer
35	32104-32	2	Screw-HWH
36	119-1418	3	Plate-Clamp, Short
37	145-2478	1	Tube ASM-Hydraulic
38	340-131	1	Fitting-HYD, 90 DEG
38:1	237-30	1	O-Ring
38:2	237-81	1	O-Ring

● Not illustrated

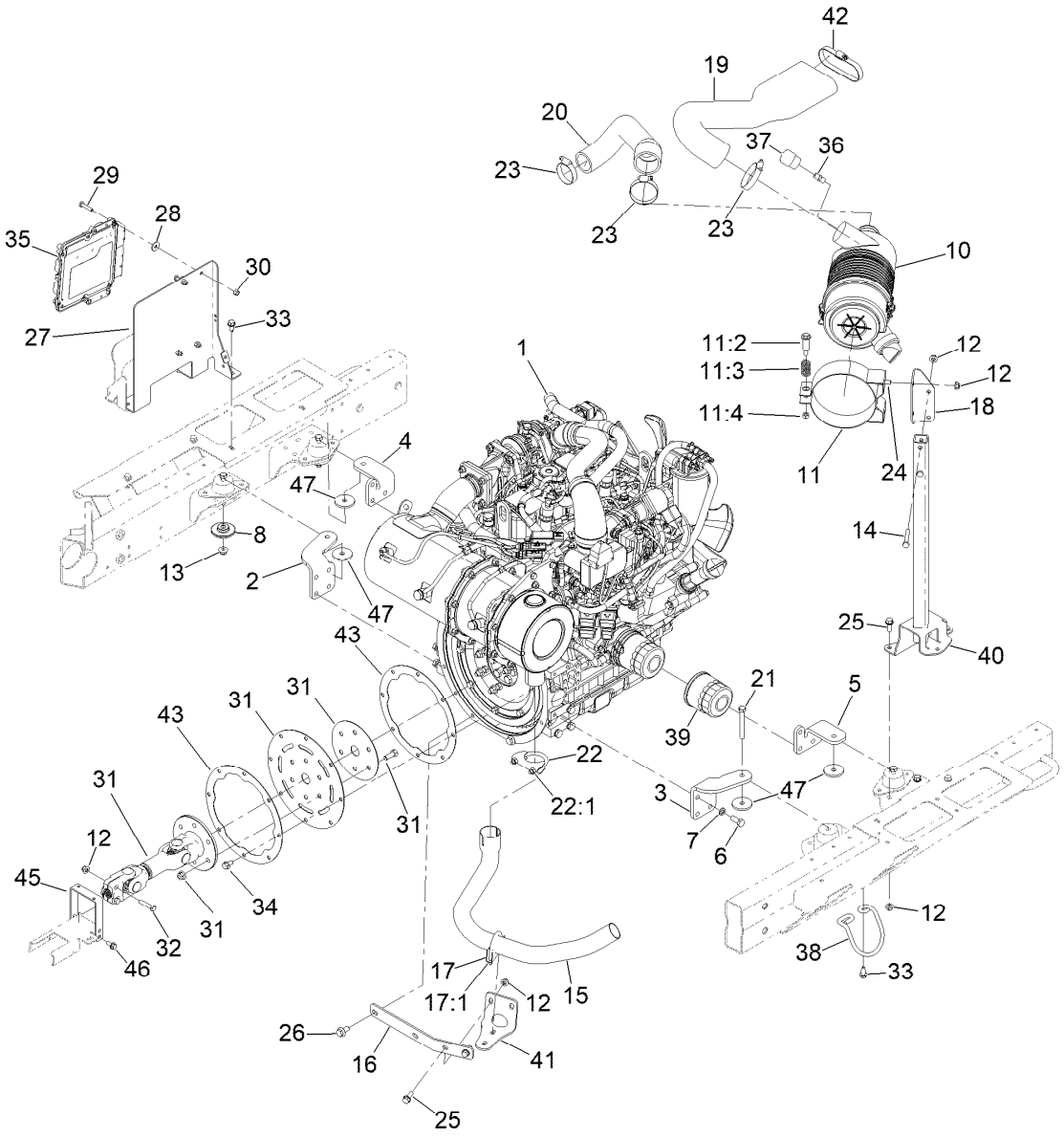
■ Not serviced separately



Steering Cylinder Assembly No. 138-6994

Ref.	*Part Number*	*Qty.*	*Description*
1	136-8000	1	Kit-Seal
1:1		2	O-Ring ●
1:2		2	Backup ●
1:3		1	Psp Seal ●
1:4		1	Wear Ring ●
1:5		1	Bs Seal ●
1:6		1	Dust Seal ●
1:7		1	O-Ring ●
1:8		1	Bt Seal ●
1:9		1	Dust Seal ●

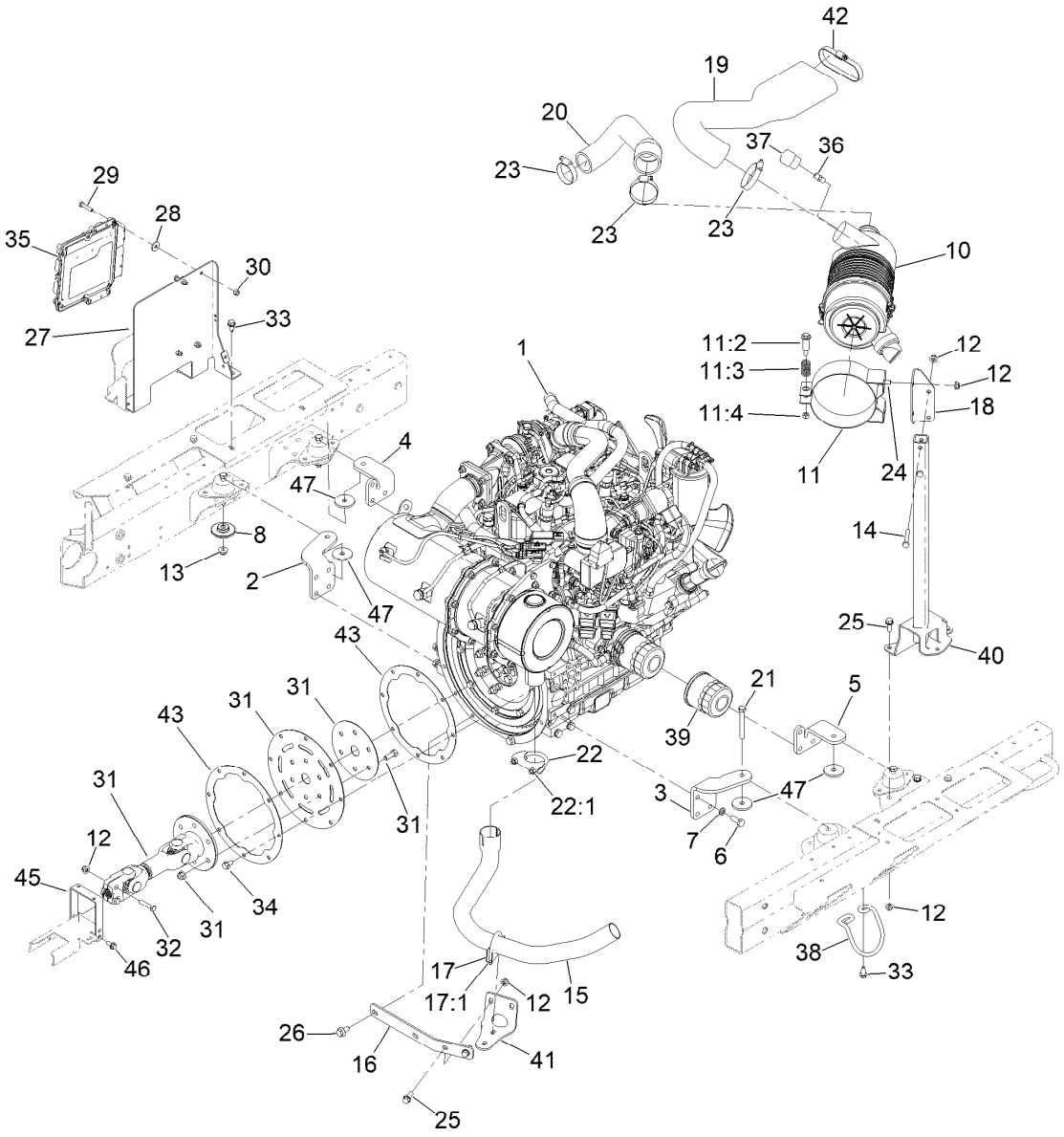
● Not serviced separately



Engine, Muffler and Air Cleaner Assembly

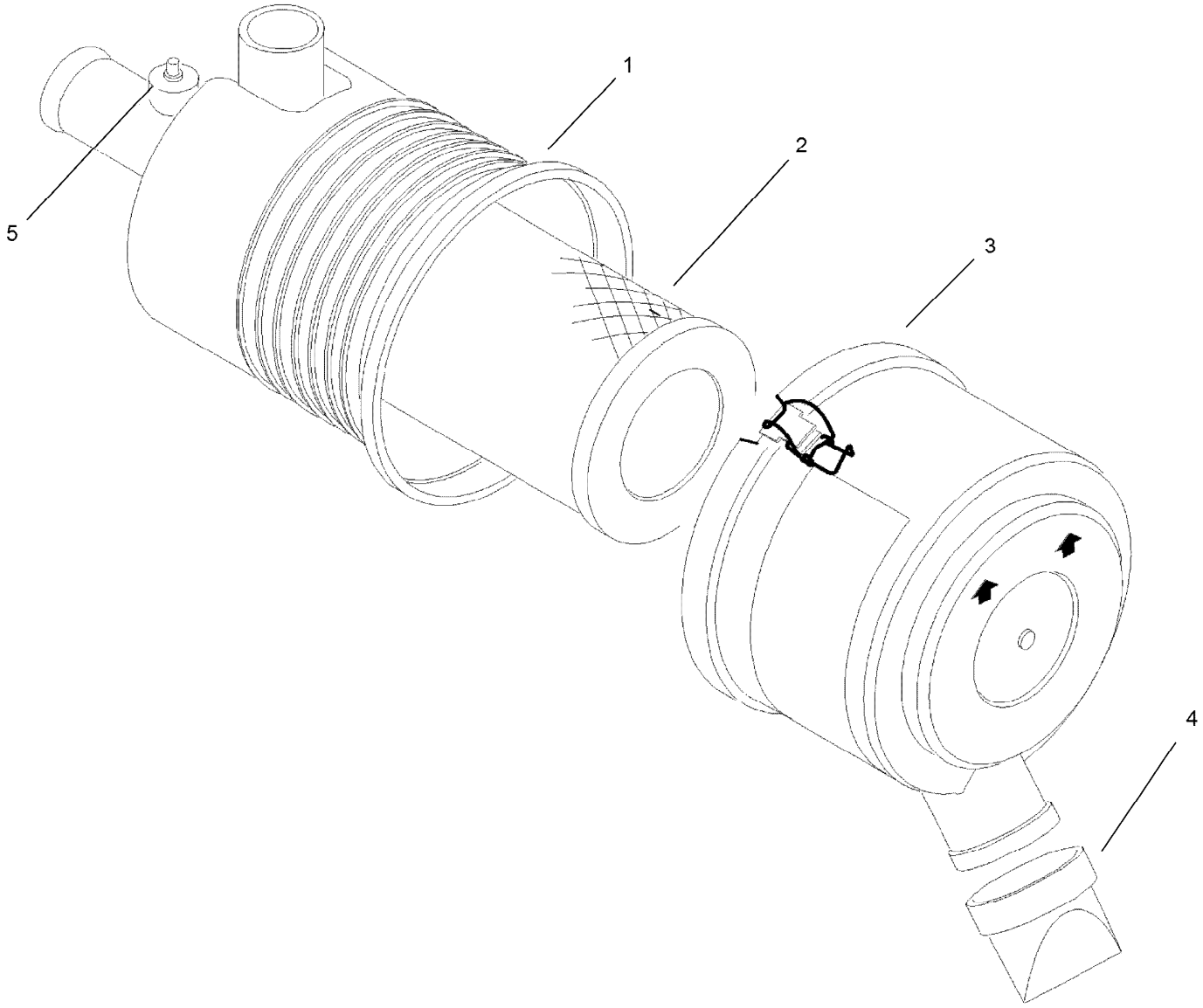
Ref.	Part Number	Qty.	Description
1	138-6916	1	Engine-Yanmar
2	120-3777-0P	1	Mount-Engine Rf
3	120-3778-0P	1	Mount-Engine Lf
4	120-3779-0P	1	Mount-Engine Rr
5	120-3780-0P	1	Mount-Engine Lr
6	33115-025	14	Screw-HH
7	48-9590	14	Washer-Lock
8	138-6462	4	Support-Isolator
10	98-4517	1	Air Cleaner ASM
11	100-4825	1	Band-Mounting, Air Cleaner
11:2	94-3653	1	Bolt
11:3	94-3654	1	Spring
11:4	33024-00	1	Nut-Lock, NI
12	104-8300	10	Nut-HF, NI
13	104-8301	6	Nut-HF, NI
14	322-10	2	Screw-HH
15	120-3790	1	Tube-Exhaust
16	121-5594-0P	1	Bracket-Tailpipe
17	2112-9	1	Clamp
17:1	32128-20	2	Nut-HF
18	120-6298-0P	1	Bracket-Aircleaner

Ref.	Part Number	Qty.	Description
19	121-5559	1	Hose-Air Cleaner
20	133-2991	1	Hose-AC, Out
21	323-14	4	Screw-HH
22	2112-6	1	Clamp-Muffler
22:1	3218-2	2	Nut-Hex Jam
23	2412-130	3	Clamp-Hose
24	3234-14	2	Screw-HHF
25	3234-29	4	Screw-HHF
26	33105-020	2	Screw-HHF
27	122-0898-0P	1	Bracket-Ecu
28	66-2921	4	Washer-Friction
29	321-8	4	Screw-HH
30	3296-42	4	Nut-Lock, NI
31	145-2508	1	Driveshaft ASM
32	323-9	2	Screw-HH
33	32104-32	3	Screw-HWH
34	33104-016	8	Screw-HHF
35	121-5592	1	Electronic Control Unit
36	94-1416	1	Adapter-Indicator
37	93-9164	1	Indicator-Mini
38	127-2612	1	Guard-Pipe, Tail



Engine, Muffler and Air Cleaner Assembly (continued)

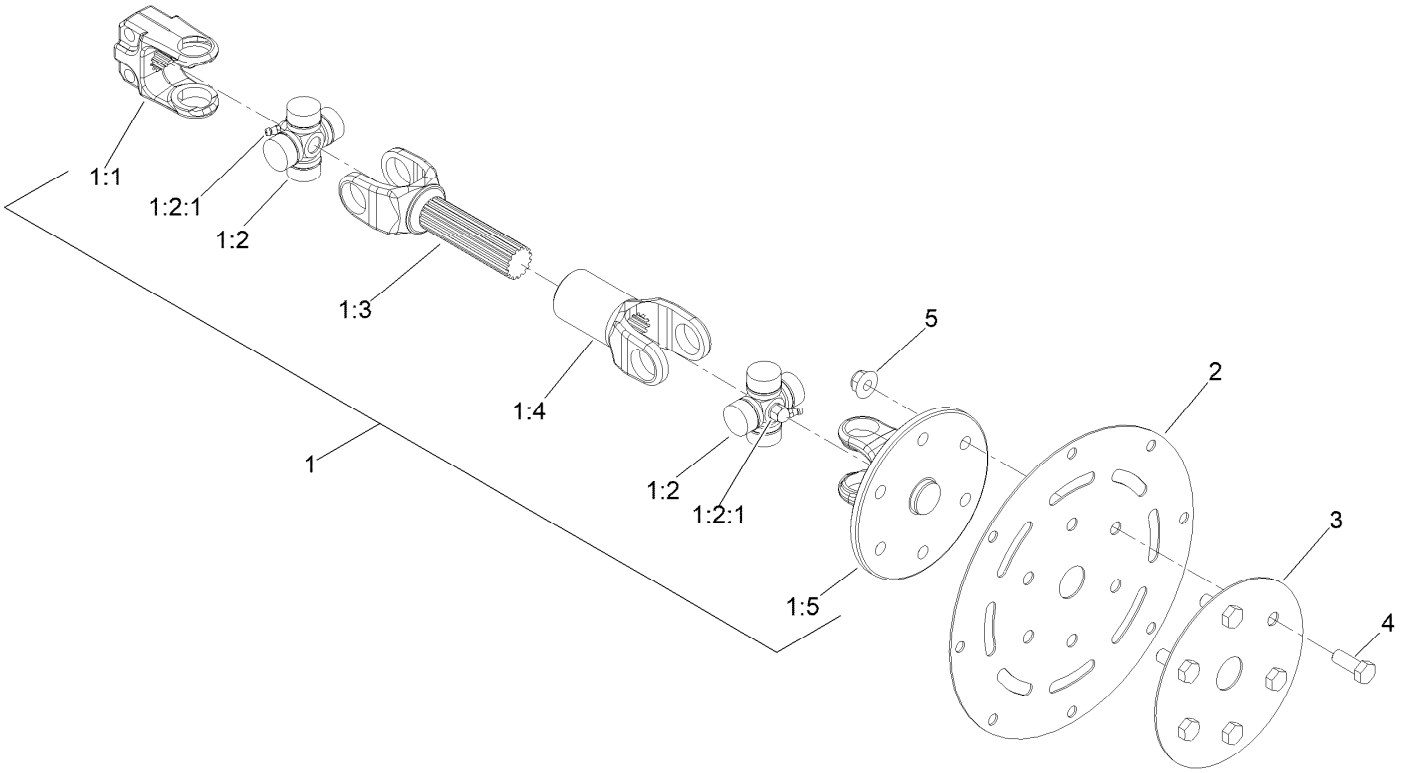
Ref.	Part Number	Qty.	Description
39	125-7025	1	Filter-Engine, Oil
40	120-2949-0P	1	Stand ASM [primed]
41	121-5595-0P	1	Bracket-Tailpipe
42	2412-46	1	Clamp
43	136-8040-0P	2	Ring - Backup
45	108-1799-0P	1	Hoop - Guard
46	3234-5	2	Screw-HHF
47	115-1485	4	Washer-Plain



Air Cleaner Assembly No. 98-4517

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Body ASM ●
2	108-3810	1	Filter-Air
3	98-9771	1	Cover ASM
4	87-9400	1	Valve-Vacuator
5		1	Plug ●

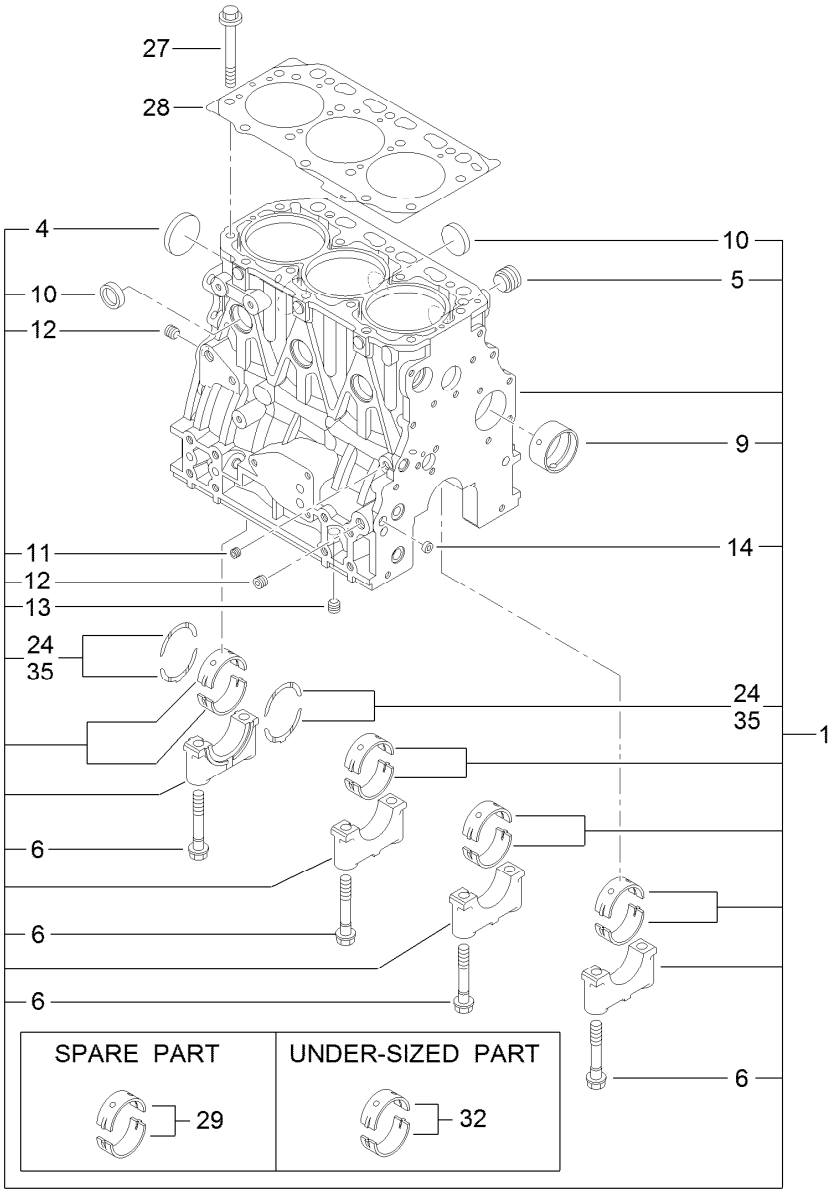
● Not serviced separately



Driveshaft Assembly No. 145-2508

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Driveshaft ●
1:1	145-2535	1	Yoke-Driveshaft, 13T
1:2	54-9180	2	U-Joint Kit
1:2:1	62-3820	1	Fitting-Grease
1:3	108-0632	1	Yoke And Shaft ASM
1:4	108-0633	1	Yoke-Telescoping
1:5	145-2546	1	Yoke ASM
2	138-6933-0P	1	Plate-Flywheel Adapter
3	133-2963-0P	1	Ring-Backup
4	323-6	6	Screw-HH
5	104-8301	6	Nut-HF, NI

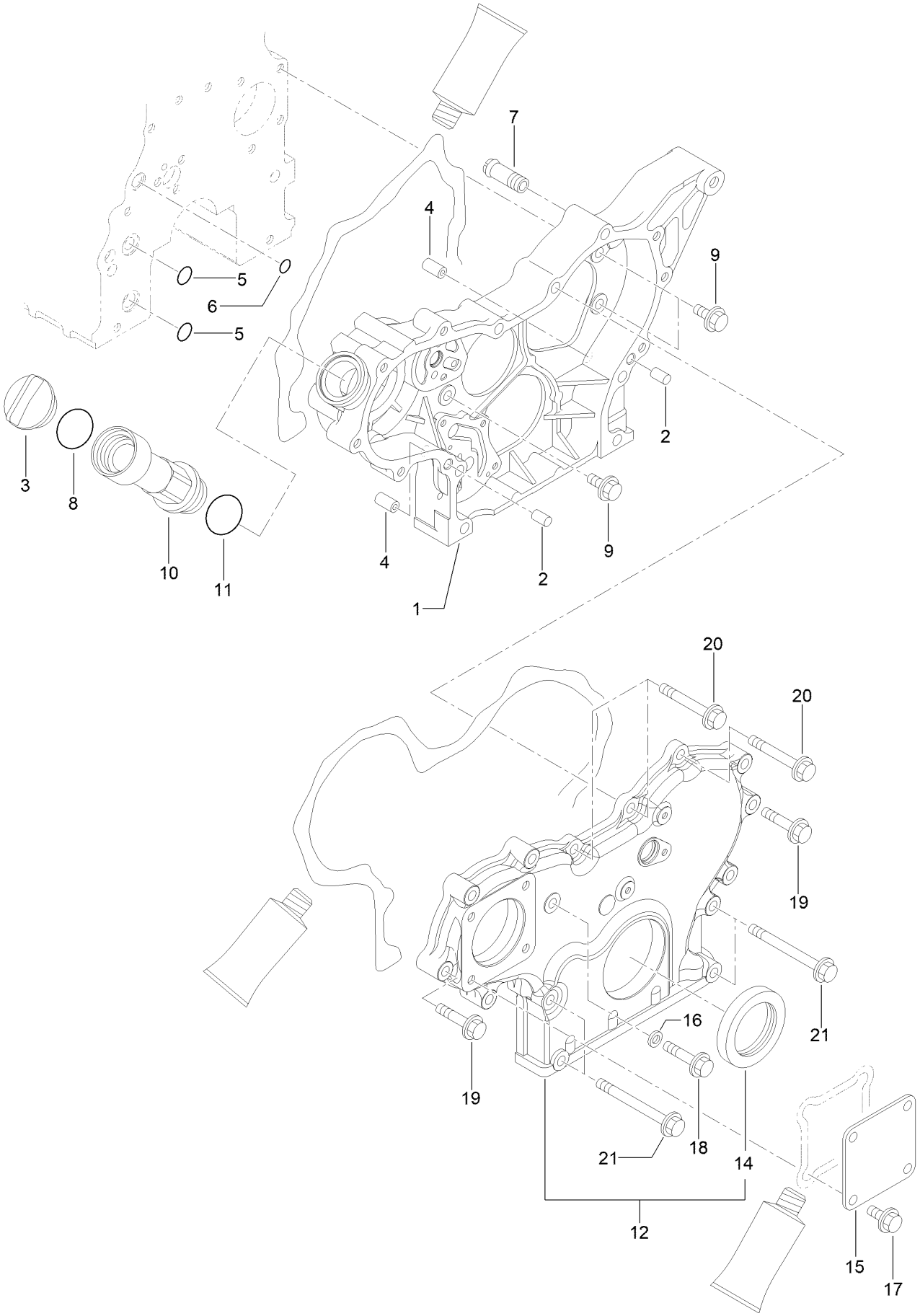
● Not serviced separately



Cylinder Block Assembly

Ref.	Part Number	Qty.	Description
1	127-3750	1	Cylinder Block ASM
4	125-6980	1	Plug
5	125-7170	1	Plug
6	125-7007	8	Bolt
9	125-7108	1	Bushing
10	125-7239	6	Plug
11	125-6969	1	Plug
12	125-6973	2	Plug
13	125-6973	1	Plug
14	125-7237	1	Plug
24	125-7010	2	Metal-Thrust
27	125-7006	14	Bolt
28	127-3751	1	Head Gasket ASM
29	125-6981	4	Metal-Main
32	125-7009	4	Metal-Main (0.25)
35	125-7011	1	Metal-Thrust (0.25)

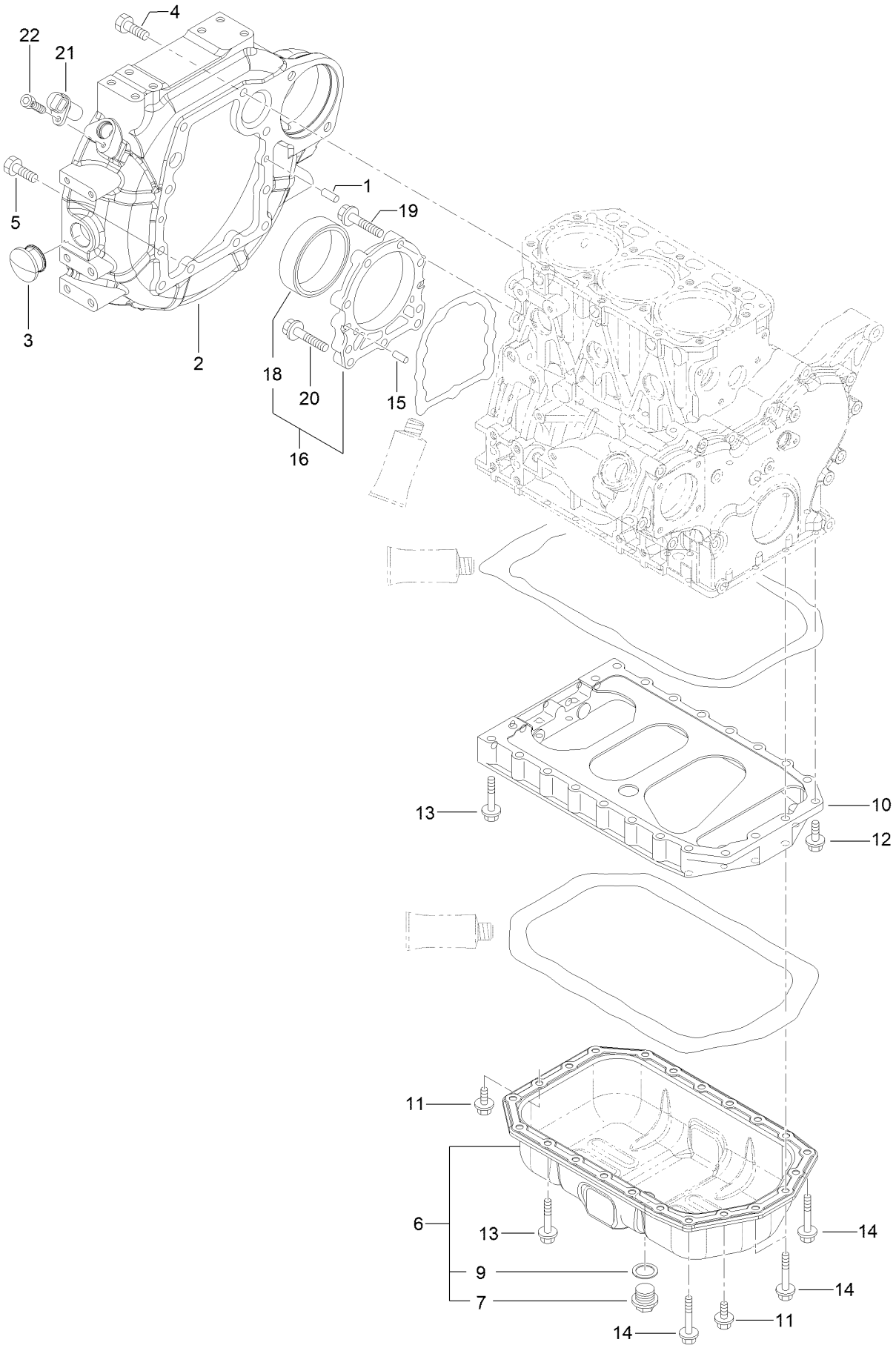
Gear Housing Assembly



Gear Housing Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-3752	1	Case-Gear
2	125-6995	2	Pin
3	125-6972	1	Cover-Filler
4	125-7107	2	Pipe
5	125-6909	2	O-Ring
6	127-2973	1	O-Ring
7	127-3753	1	Joint
8	125-7197	1	O-Ring
9	125-7214	3	Bolt
10	127-3754	1	Pipe
11	125-7197	1	O-Ring
12	127-3024	1	Gearcase Cover ASM
14	125-6944	1	Seal-Oil
15	125-6977	1	Cover
16	125-7174	1	Washer-Seal
17	125-7214	4	Bolt
18	125-7217	1	Bolt
19	125-7218	7	Bolt
20	125-7222	3	Bolt
21	125-7224	4	Bolt

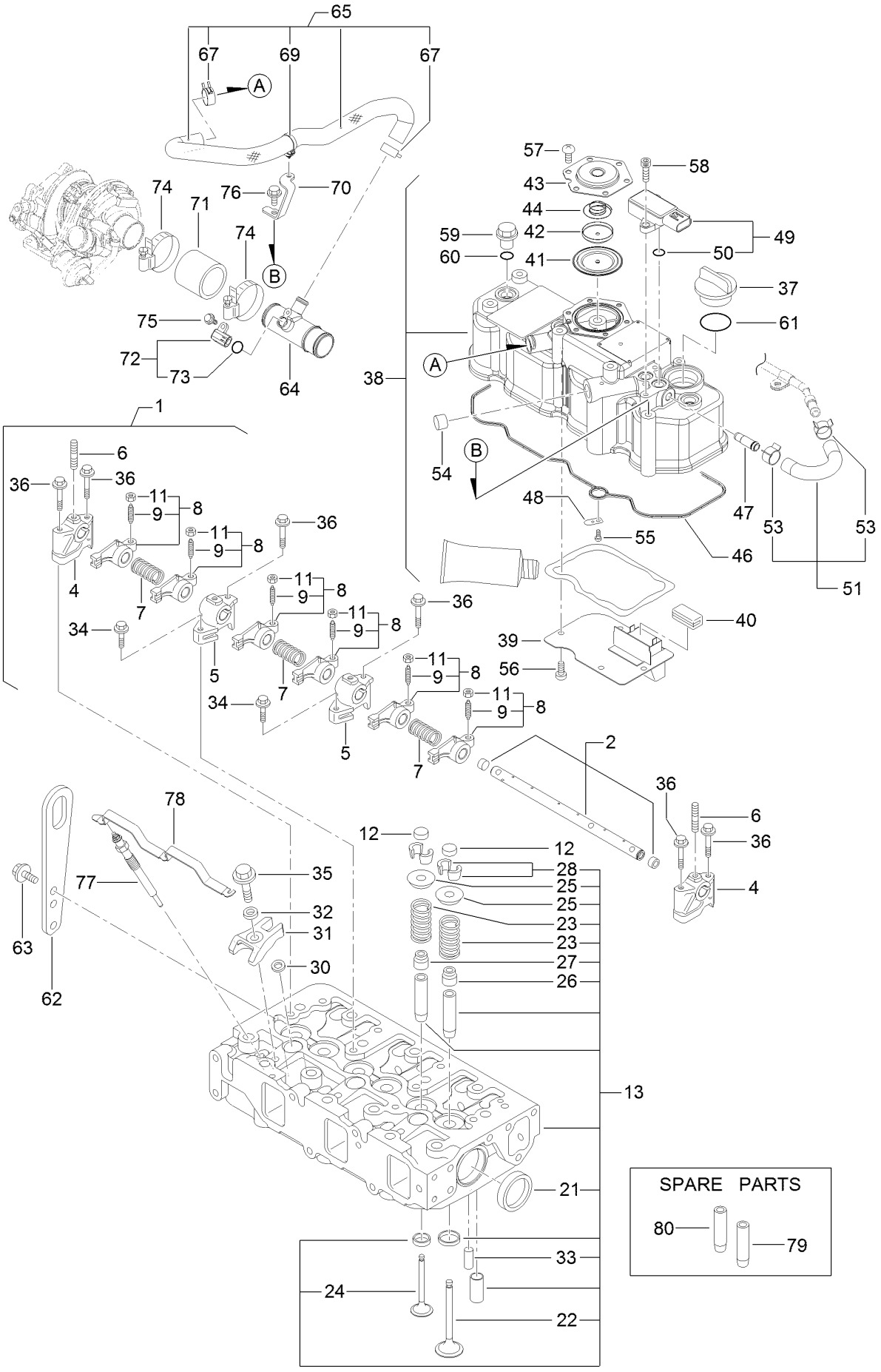
Flywheel Housing and Oil Sump Assembly



Flywheel Housing and Oil Sump Assembly (continued)

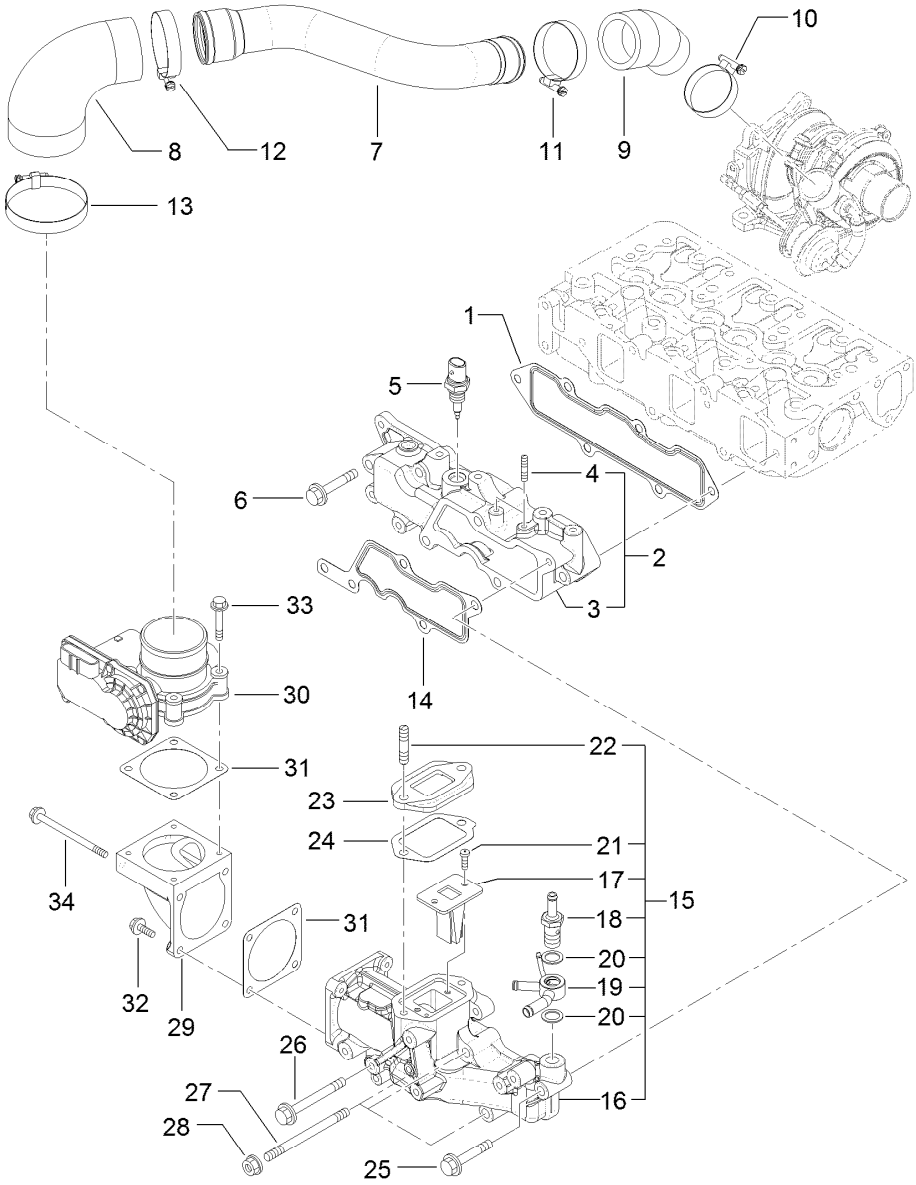
Ref.	Part Number	Qty.	Description
1	125-6995	1	Pin
2	127-3025	1	Housing-Flywheel
3	125-6910	1	Cap
4	125-7226	6	Bolt
5	125-7227	4	Bolt
6	127-3755	1	Oil Pan ASM
7	125-6912	1	Plug-Drain
9	125-7177	1	Washer-Seal
10	127-3756	1	Spacer
11	125-7214	4	Bolt
12	125-7215	2	Bolt
13	125-7219	16	Bolt
14	125-7220	4	Bolt
15	125-6995	2	Pin
16	125-6996	1	Case ASM
18	125-7106	1	Seal-Oil
19	125-7045	6	Bolt
20	125-7217	3	Bolt
21	127-3062	1	Sensor-Rev, Flywheel
22	127-3184	1	Bolt

Cylinder Head and Cover Assembly



Cylinder Head and Cover Assembly (continued)

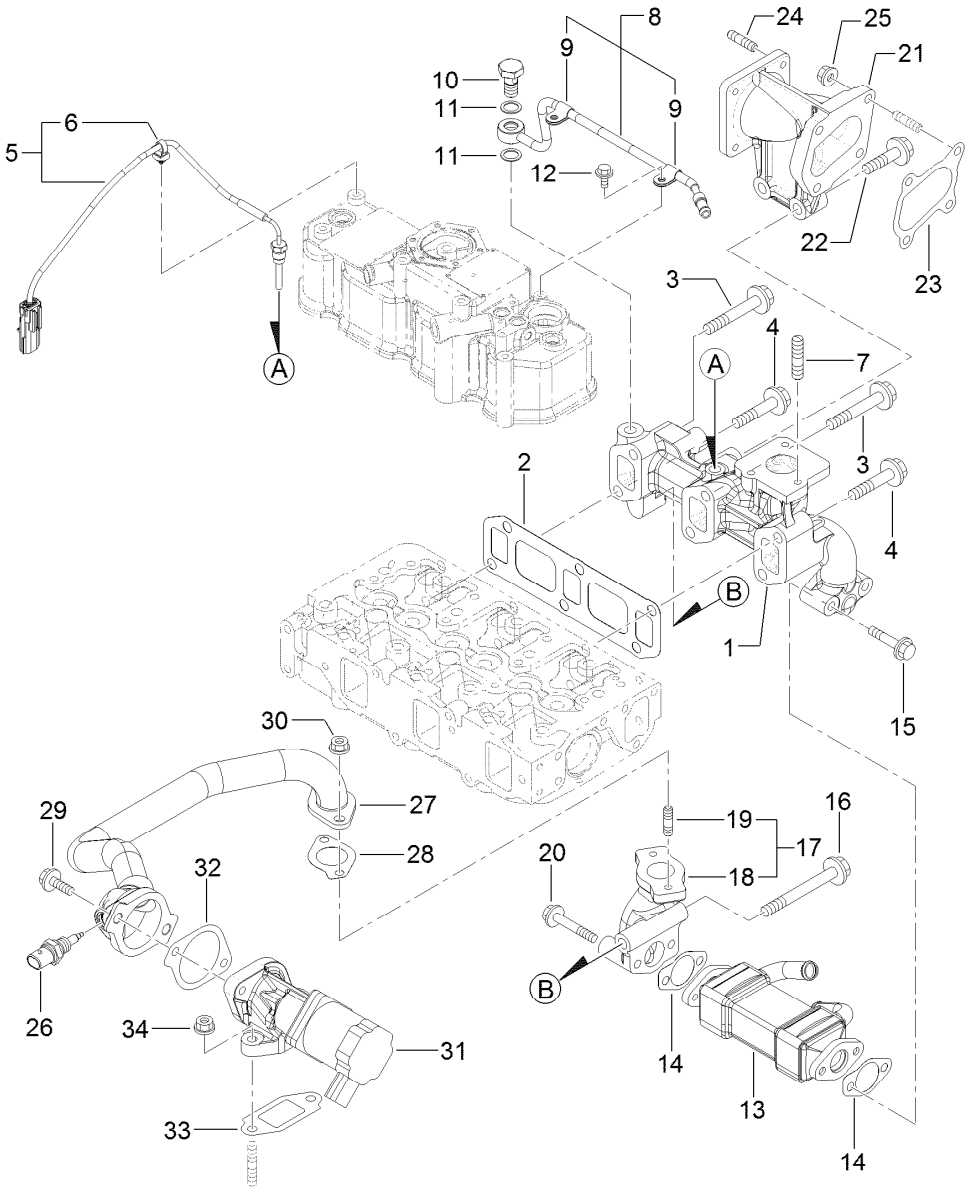
Ref.	Part Number	Qty.	Description
1	127-3757	1	Shaft ASM
2	127-3758	1	Shaft
4	127-2974	2	Support
5	127-2975	2	Support
6	127-3759	3	Stud
7	127-2995	3	Spring
8	127-2989	6	Arm-Rocker
9	125-7013	6	Screw-Adjust, Valve
11	125-7014	6	Nut
12	127-2996	6	Cap-Valve
13	127-3760	1	Cylinder Head ASM
21	125-7240	2	Plug
22	127-2990	3	Valve
23	127-3012	6	Spring
24	127-2994	3	Valve
25	127-3013	6	Retainer-Spring
26	127-2986	3	Seal-Stem, Valve
27	127-3027	3	Seal-Stem, Valve
28	127-3186	6	Pin-Cotter
30	127-3021	3	Gasket-Injector
31	127-3028	3	Retainer-Injector
32	127-2980	3	Washer-Injector
33	125-7184	2	Pin-Spring
34	125-7215	2	Bolt
35	125-7217	3	Bolt
36	125-7220	6	Bolt
37	125-6972	1	Cover-Filler
38	127-4719	1	Cylinder Head Cover ASM
39	127-2988	1	Plate
40	125-7012	1	Baffle
41	125-6959	1	Diaphragm
42	125-6960	1	Plate
43	125-6961	1	Plate-Breather
44	125-6962	1	Spring-Diaphragm
46	127-3762	1	Gasket-Cover, Cylinder Head
47	127-3026	1	Joint
48	125-6994	1	Spring
49	127-3029	1	Sensor-Pressure
50	127-3032	2	O Ring-Sensor, Pressure
51	127-3040	1	Hose ASM
53	127-3041	2	Clip-Hose
54	125-6913	1	Plug
55	125-7186	1	Screw
56	125-7186	4	Screw
57	125-7186	6	Screw
58	127-3184	2	Bolt
59	125-6974	3	Knob
60	93-0418	3	O-Ring
61	125-7197	1	O-Ring
62	125-7111	1	Lifter
63	125-7214	2	Bolt
64	127-3763	1	Joint-Breather
65	127-3764	1	Hose Breather ASM
67	125-7040	2	Clip-Hose
69	127-3087	1	Band-Clip
70	127-3765	1	Stay-Hose, Breather
71	127-3766	1	Hose, Air
72	127-3030	1	Sensor-Temp, Air
73	127-3033	1	O-Ring
74	127-3767	2	Clamp 50
75	125-7208	1	Bolt
76	92-0803	1	Bolt
77	127-2991	3	Plug-Glow
78	127-3768	1	Connector-Plug, Glow
79	127-2979	3	Guide
80	127-2997	3	Guide-Valve



Suction Manifold Assembly

Ref.	Part Number	Qty.	Description
1	127-3769	1	Gasket-Manifold, Intake
2	127-3770	1	Intake Manifold ASM
3	127-3771	1	Manifold-Intake, Air
4	127-3180	2	Stud
5	127-3031	1	Sensor-Temp, Air
6	125-7220	3	Bolt
7	127-3772	1	Duct Suction
8	127-3096	1	Joint-Rubber
9	127-3773	1	Joint, Rubber
10	125-7189	1	Clamp-Hose
11	127-3170	1	Clamp-Hose
12	125-7190	1	Clamp-Hose
13	127-3171	1	Clamp-Hose
14	127-3034	1	Gasket-Collector
15	127-3093	1	Intake Collector ASM
16	127-3092	1	Collector-Intake
17	127-3139	1	Valve-Reed

Ref.	Part Number	Qty.	Description
18	127-3080	1	Joint-Hose
19	127-3081	1	Joint-Hose
20	127-3166	1	Washer-Seal
21	127-3168	11	Screw
22	127-3181	1	Stud
23	127-3045	1	Spacer-Valve, E G R
24	127-3046	1	Gasket-E G R
25	125-7220	1	Bolt
26	127-3178	1	Bolt
27	127-3182	3	Stud
28	125-7229	3	Nut
29	127-3035	1	Bend-Inlet
30	127-3036	1	Body-Throttle
31	127-3037	2	Gasket-Throttle
32	125-7209	2	Bolt
33	125-7211	4	Bolt
34	127-3177	2	Bolt

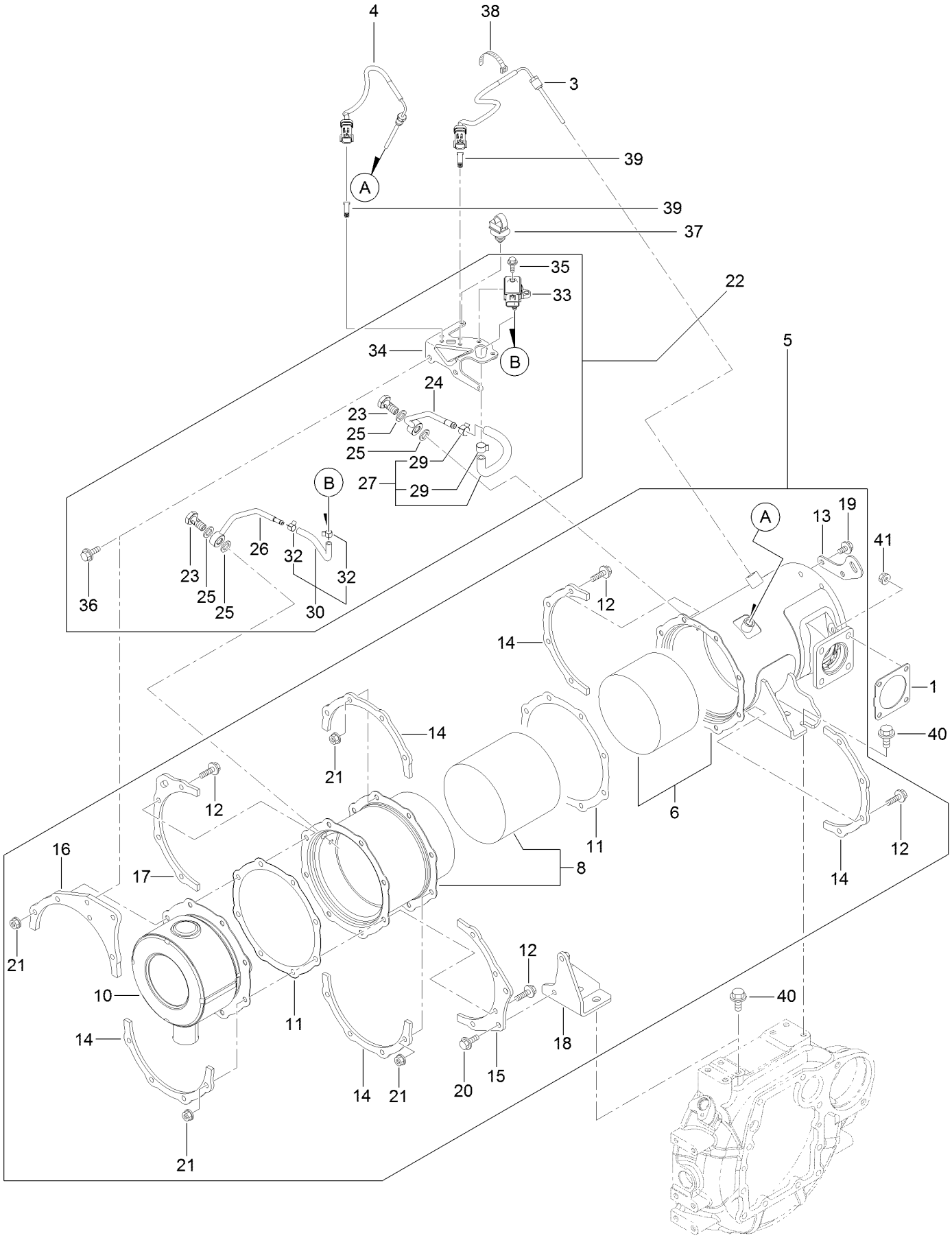


Exhaust Manifold Assembly

Ref.	Part Number	Qty.	Description
1	127-3774	1	Manifold-Exhaust
2	127-3775	1	Gasket-Manifold, Exhaust
3	127-3776	4	Bolt-Flange
4	127-3094	2	Bolt
5	127-3777	1	Sensor-Temp, Exhaust
6	127-3087	1	Band-Clip
7	125-7043	3	Stud
8	127-3038	1	Exhaust Pipe ASM
9	127-3173	2	Clamp
10	127-3039	1	Bolt-Joint, Pipe
11	127-3174	2	Gasket
12	125-7206	2	Bolt
13	127-3042	1	Cooler-E G R
14	127-3043	2	Gasket-Cooler, E G R
15	127-2976	2	Bolt
16	127-3022	1	Bolt-Flange
17	127-3048	1	E G R Pipe ASM

Ref.	Part Number	Qty.	Description
18	127-3049	1	Pipe-Out, E G R
19	125-7043	2	Stud
20	125-7220	2	Bolt
21	127-3778	1	Pipe Extension ASM
22	127-3138	2	Bolt-Flange
23	127-3779	1	Gasket-Out, T C
24	125-6906	4	Stud
25	125-7229	4	Nut
26	127-3047	1	Sensor-Gas Temp, E G R
27	127-3780	1	E G R Pipe ASM
28	127-3016	1	Gasket
29	125-7215	2	Bolt
30	125-7229	2	Nut
31	127-3781	1	Valve-E G R
32	127-3050	1	Gasket-Intake Valve, E G R
33	127-3051	1	Gasket-Out Valve, E G R
34	125-7229	2	Nut

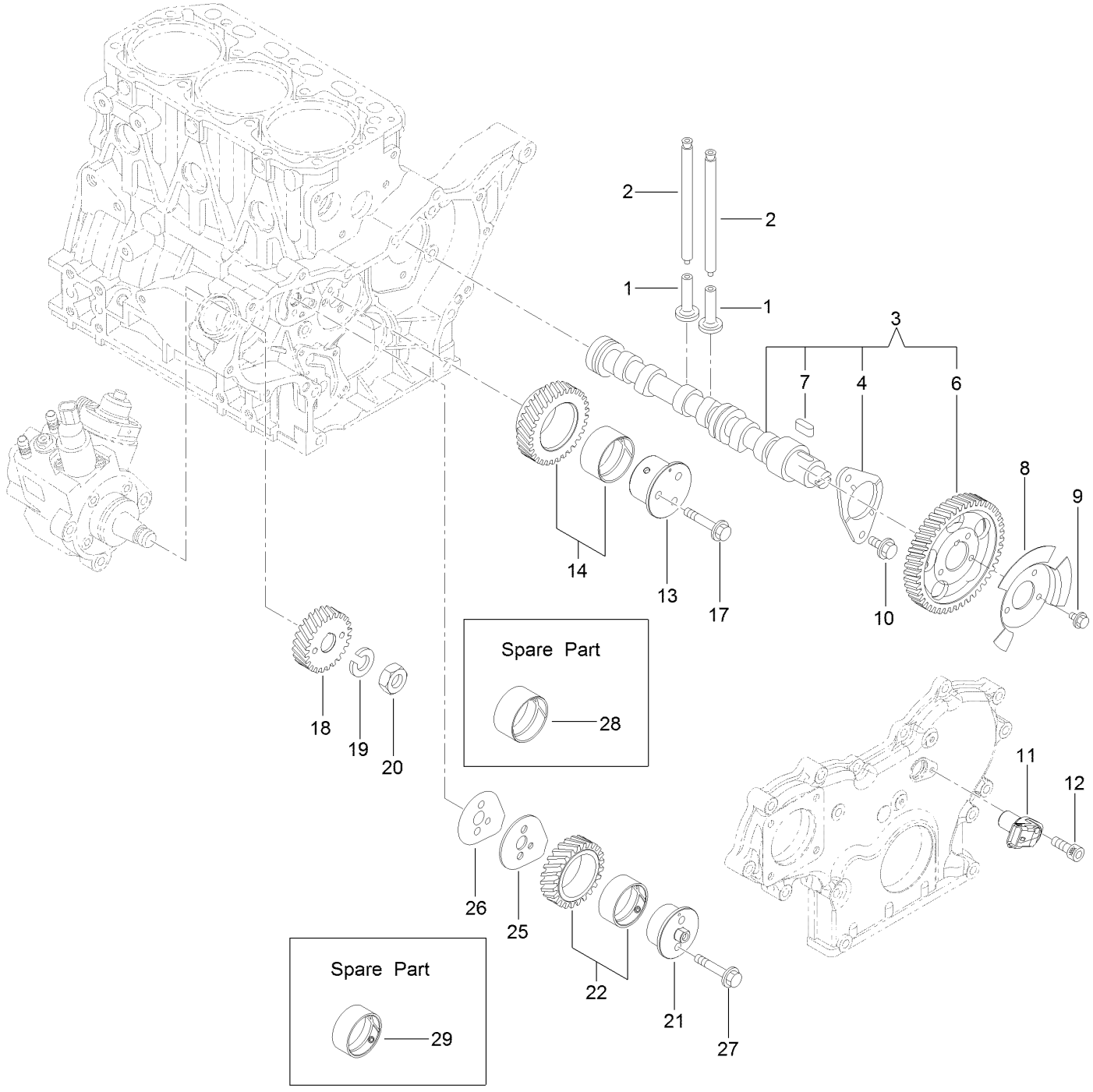
Diesel Particulate Filter Assembly



Diesel Particulate Filter Assembly (continued)

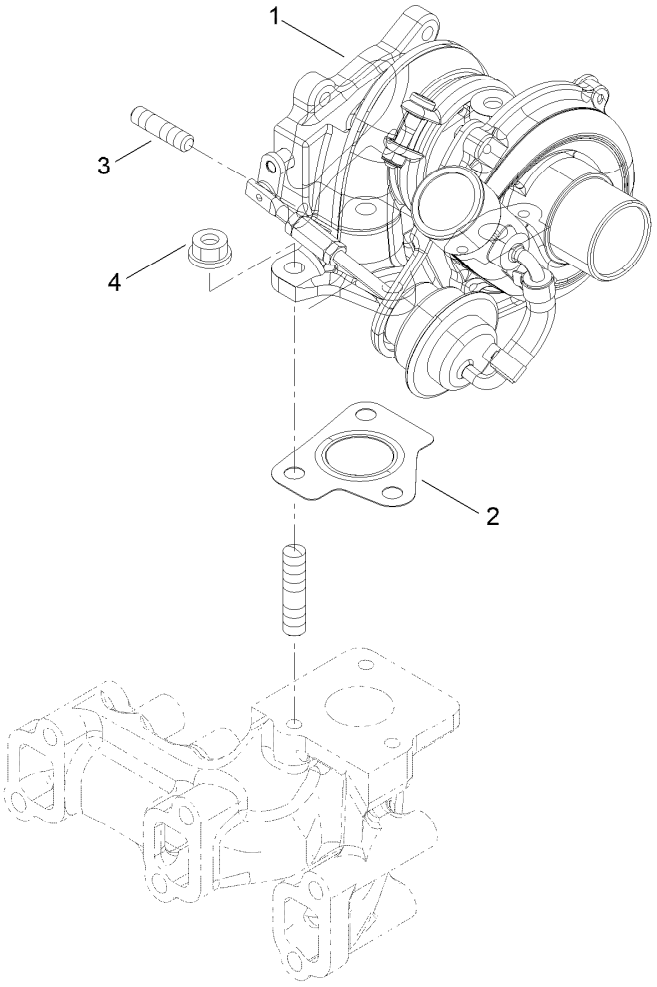
Ref.	Part Number	Qty.	Description
1	127-3019	1	Gasket
3	127-4764	1	Sensor-Temp, Exhaust
4	127-3112	1	Sensor-Temp, Exhaust
5	127-3783	1	D P F ASM
6	127-3784	1	Case-D O C
8	127-3785	1	Case-Filter, Soot
10	127-3786	1	Silencer-D P F
11	127-3787	2	Gasket-D P F
12	127-3055	16	Bolt
13	127-3788	1	Lifter-D P F
14	127-3789	5	Stiffener-D P F, A
15	127-3790	1	Stiffener-D P F, B
16	127-3791	1	Stiffener-D P F, C
17	127-3792	1	Stiffener-D P F, C
18	127-3793	1	Stay-D P F
19	125-7213	2	Bolt
20	125-7594	2	Bolt
21	125-7229	16	Nut
22	127-3794	1	Pressure Sensor Unit
23	127-3039	2	Bolt-Joint, Pipe
24	127-3795	1	Pipe-Sensor
25	127-3056	4	Gasket-Sensor
26	127-3796	1	Pipe-Sensor
27	127-3114	1	Exhaust Hose ASM
29	127-3057	2	Clip-Hose
30	127-3059	1	Exhaust Pressure Hose ASM
32	127-3058	2	Clip-Hose
33	127-3060	1	Sensor-Pressure
34	127-3061	1	Bracket-Sensor, Pressure
35	125-7208	2	Bolt
36	125-7595	2	Bolt
37	127-3087	1	Band-Clip
38	127-3124	1	Band
39	127-3088	2	Clip-Connnector
40	127-3179	4	Bolt
41	125-7229	4	Nut

Camshaft and Driving Gear Assembly



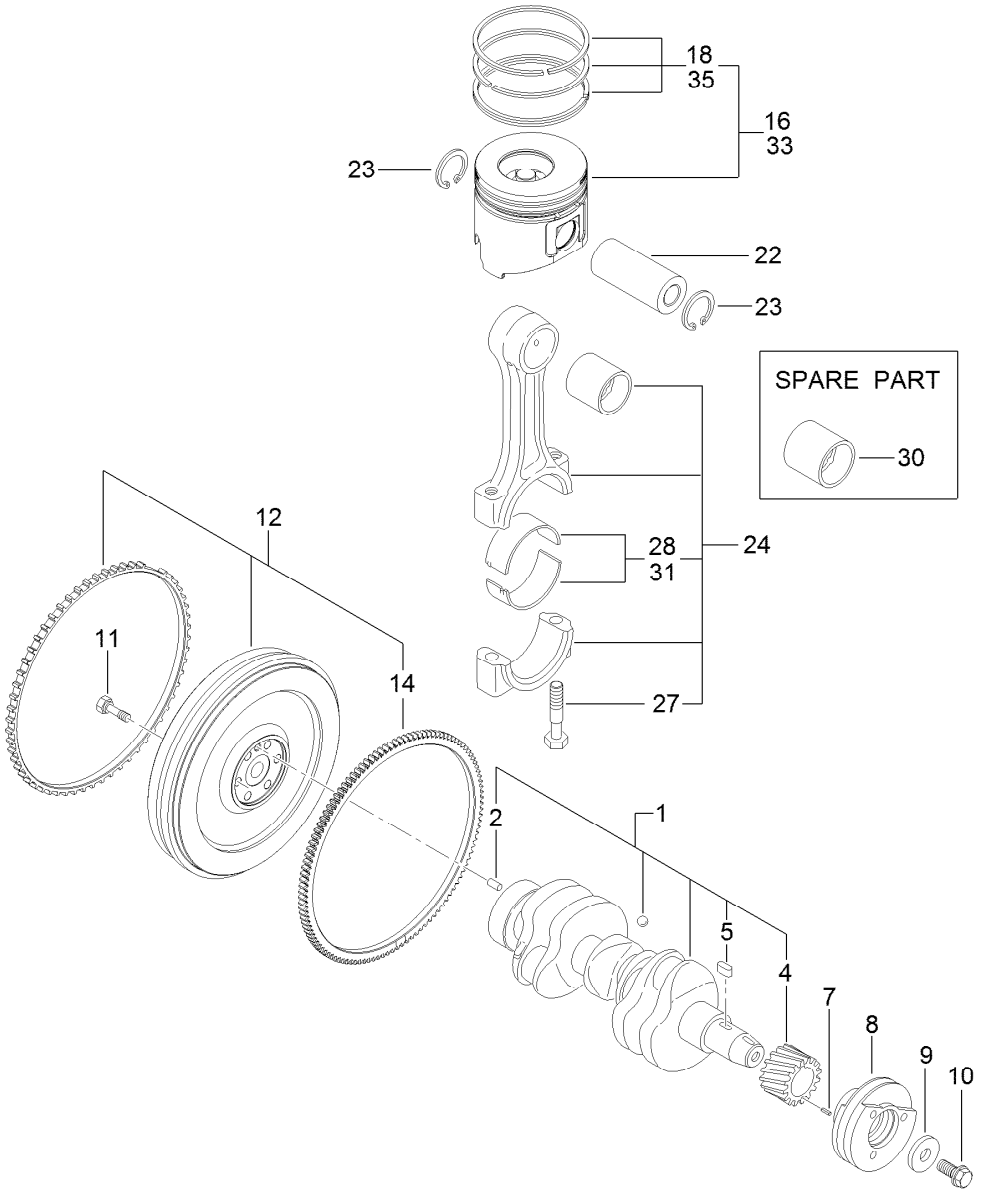
Camshaft and Driving Gear Assembly (continued)

Ref.	Part Number	Qty.	Description
1	125-7016	6	Tappet
2	125-7017	6	Rod-Push
3	127-3797	1	Camshaft ASM
4	125-7008	1	Metal-Thrust
6	127-3052	1	Gear-Camshaft
7	125-7185	1	Key
8	127-3053	1	Pulser-Camshaft
9	125-7205	3	Bolt
10	125-7213	2	Bolt
11	127-3054	1	Sensor-Rev, Gear
12	127-3184	1	Bolt
13	127-3063	1	Shaft-Idle, Gear A
14	127-3066	1	Idle Gear A ASM
17	125-7219	3	Bolt
18	127-3070	1	Gear-Pump, Supply
19	127-3167	1	Washer-Spring
20	127-3185	1	Nut-Lock
21	127-3064	1	Shaft-Idle, Gear B
22	127-3067	1	Idle Gear B ASM
25	127-3068	1	Plate-Idle, Shaft
26	127-3069	1	Gasket-Idle, Shaft B
27	125-7218	2	Bolt
28	125-6927	1	Bushing
29	127-3065	1	Bushing



Turbine Assembly

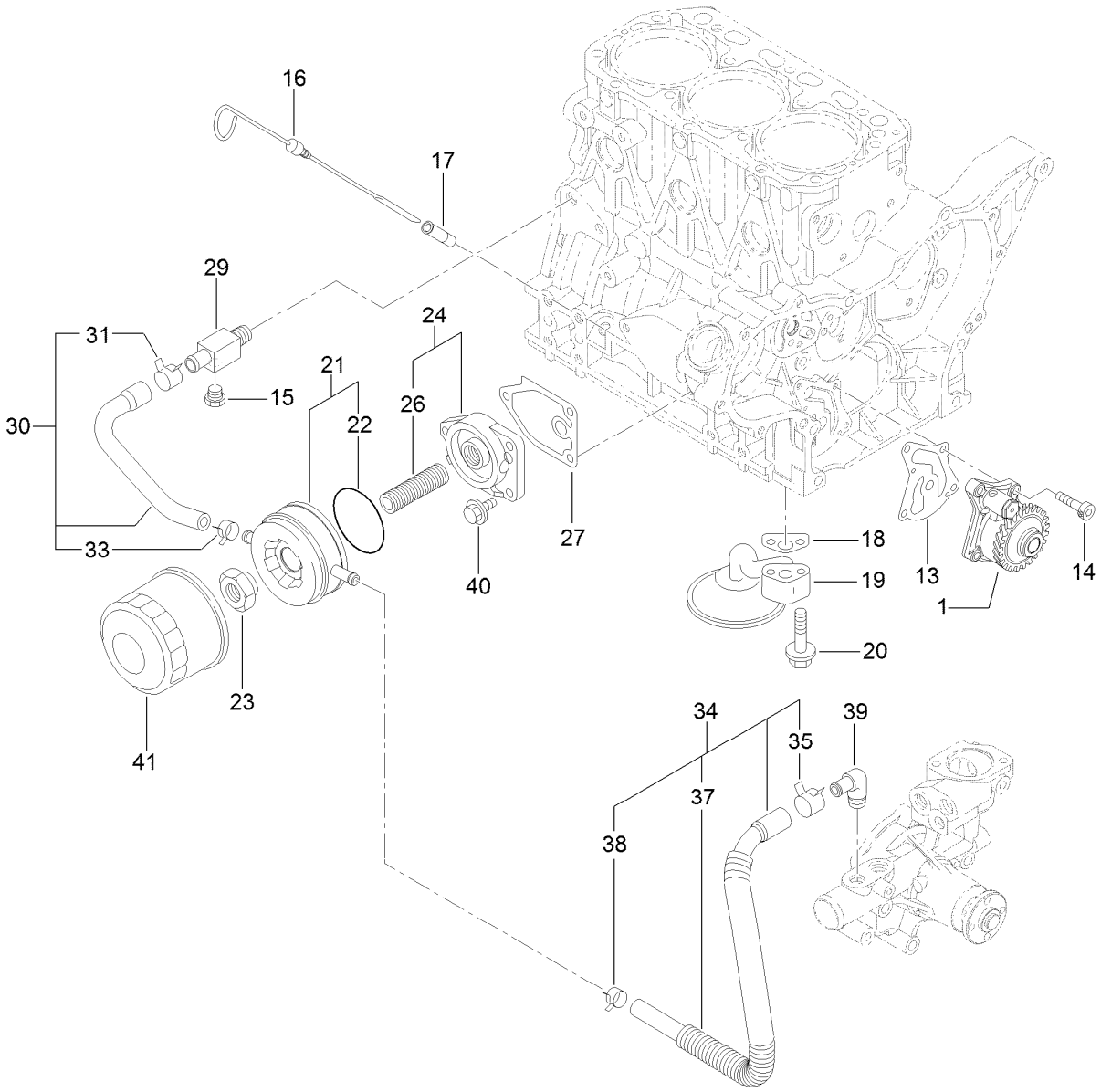
Ref.	*Part Number*	*Qty.*	*Description*
1	135-4151	1	Turbocharger
2	127-3799	1	Gasket-In, T C
3	125-6906	4	Stud
4	125-7229	3	Nut



Crankshaft and Piston Assembly

Ref.	Part Number	Qty.	Description
1	127-3800	1	Crankshaft ASM
2	125-6995	1	Pin
4	125-6937	1	Gear
5	125-7185	1	Key
7	125-7182	1	Pin-Spring
8	127-3801	1	Pulley-V
9	125-7109	1	Washer
10	125-6956	1	Bolt
11	125-6951	6	Bolt
12	127-3802	1	Flywheel ASM
14	125-6943	1	Gear

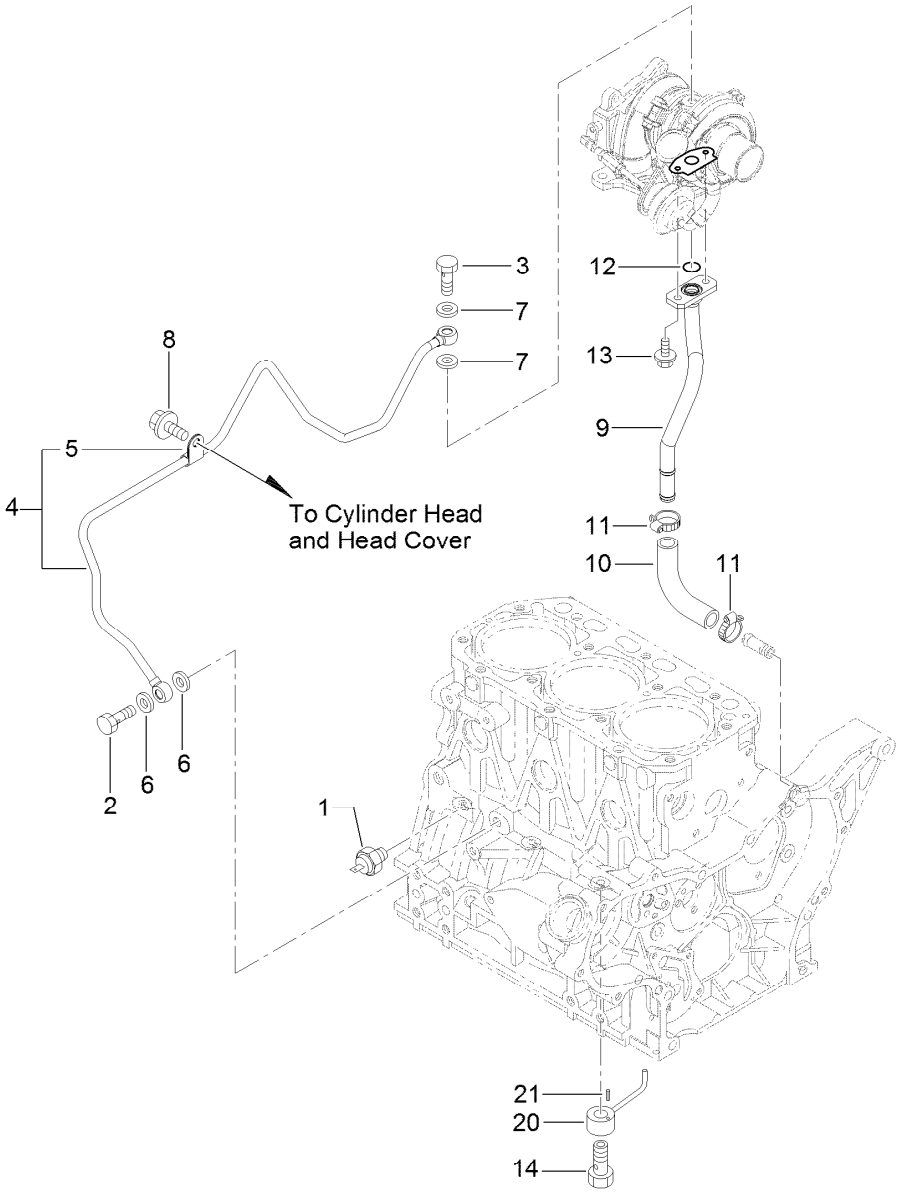
Ref.	Part Number	Qty.	Description
16	127-3097	3	Piston ASM
18	127-3098	3	Piston Ring ASM
22	125-7030	3	Pin
23	125-7180	6	Ring
24	125-7242	3	Connecting Rod ASM
27	125-6955	6	Bolt
28	125-7018	3	Pin-Crank
30	125-6997	3	Pin-Piston
31	125-7019	3	Pin-Crank (.25)
33	127-3099	3	Piston ASM (0.25 O.S.)
35	127-3100	3	Piston Ring ASM (0.25 O.S.)



Lubrication and Oil System Assembly

Ref.	Part Number	Qty.	Description
1	127-3101	1	Oil Lube Pump ASM
13	127-3004	1	Gasket
14	125-7232	4	Bolt
15	125-7171	1	Plug-Drain
16	125-6987	1	Dipstick
17	125-6954	1	Guide-Dipstick
18	125-7022	1	Gasket
19	127-3803	1	Pipe ASM
20	125-7217	2	Bolt
21	125-7074	1	Cooler ASM
22	125-7075	1	O-Ring
23	125-7041	1	Nut-Cooler, Oil
24	125-6989	1	Bracket ASM

Ref.	Part Number	Qty.	Description
26	125-7042	1	Stud
27	125-7024	1	Gasket
29	125-6990	1	Joint
30	125-7078	1	Pipe ASM
31	125-7162	1	Clip
33	125-7191	1	Clamp-Hose
34	127-3804	1	Pipe ASM
35	125-7162	1	Clip
37	127-3805	1	Tube
38	125-7191	1	Clamp-Hose
39	125-7001	1	Elbow
40	125-7595	3	Bolt
41	125-7025	1	Filter-Engine, Oil

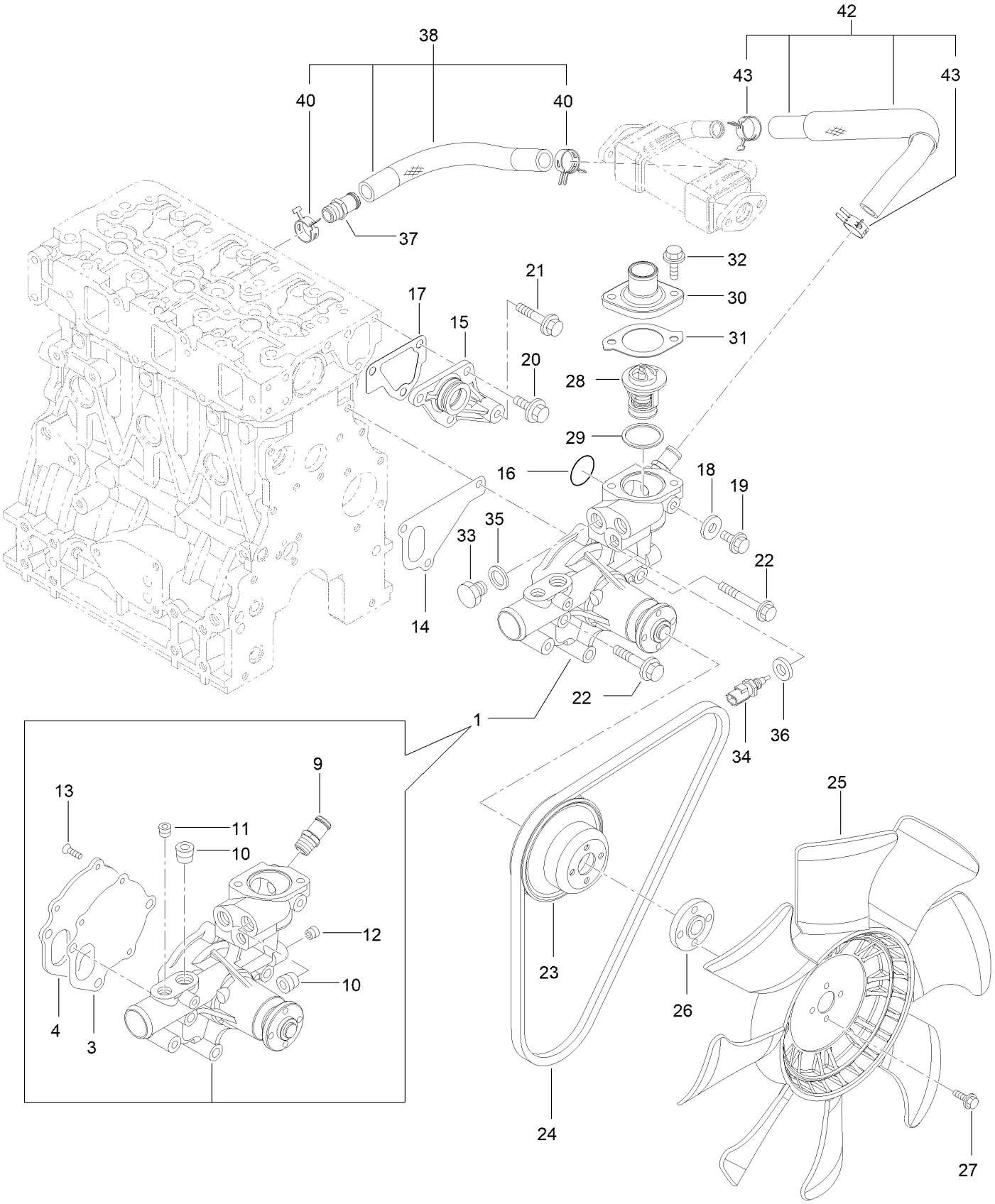


Lubrication Oil Line Assembly

Ref.	Part Number	Qty.	Description
1	125-6918	1	Switch-Oil
2	125-6975	1	Bolt-Joint, Pipe
3	125-6952	1	Bolt-Joint, Pipe
4	127-3806	1	Lube Oil Pipe ASM
5	125-6976	1	Retainer
6	125-7175	2	Washer-Seal
7	125-7193	2	Gasket
8	93-0362	1	Bolt

Ref.	Part Number	Qty.	Description
9	127-3807	1	Pipe-Return, Lube Oil
10	127-3808	1	Joint
11	127-3169	2	Clamp-Hose
12	125-7198	1	O-Ring
13	125-7208	2	Bolt
14	125-7105	3	Check Valve ASM
20	125-7098	3	Nozzle
21	125-7182	3	Pin-Spring

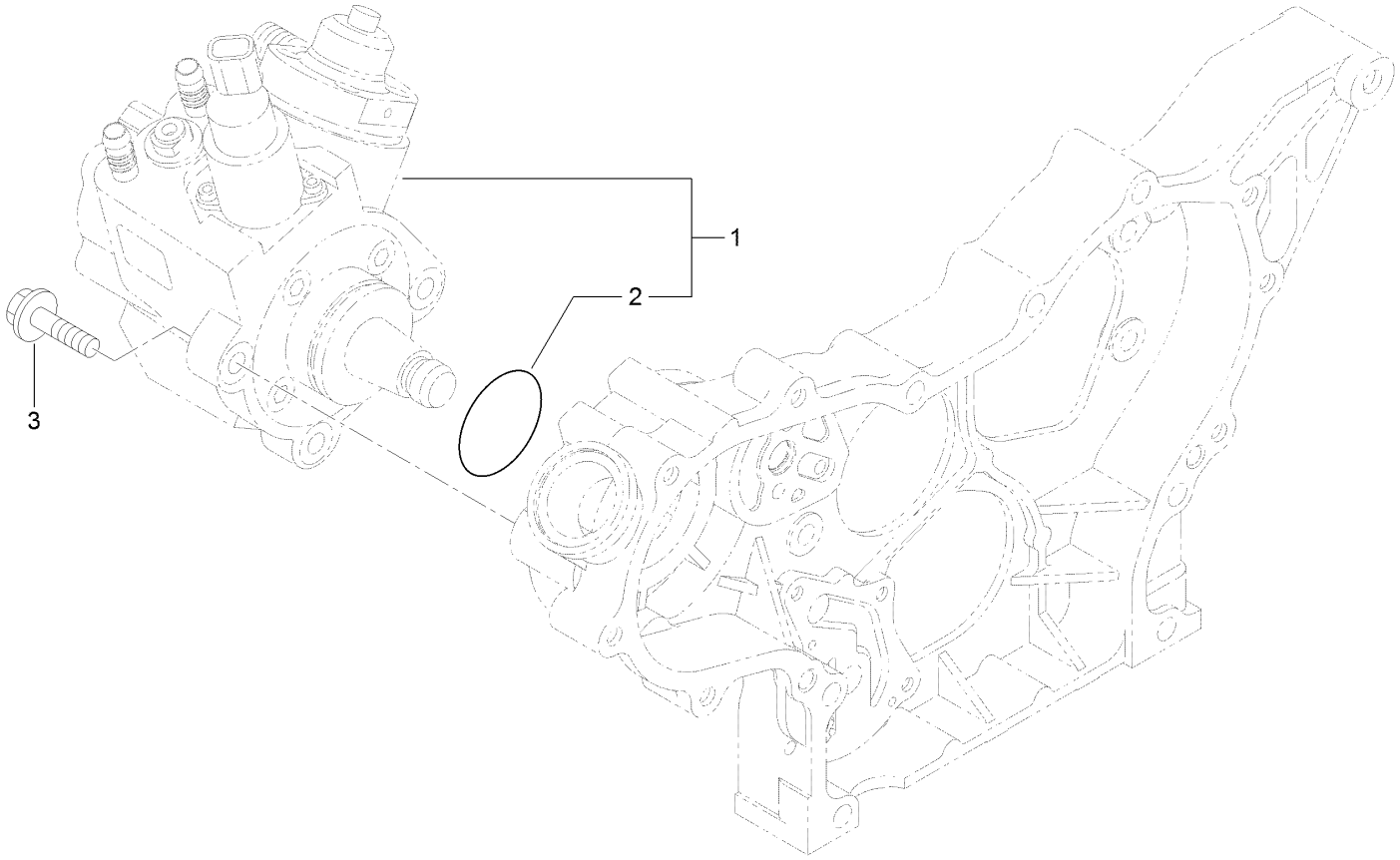
Cooling Water System Assembly



Cooling Water System Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-3071	1	Water Pump ASM
3	125-6998	1	Gasket
4	125-6999	1	Plate
9	127-3017	1	Joint
10	125-7123	2	Plug
11	127-3175	1	Plug
12	125-7195	1	Plug
13	125-7234	3	Screw
14	125-7047	1	Gasket
15	125-6986	1	Joint
16	125-7048	1	O-Ring
17	125-6978	1	Gasket
18	125-7192	1	Gasket
19	93-0362	1	Bolt
20	125-7214	3	Bolt
21	125-7219	1	Bolt
22	125-7222	3	Bolt
23	125-7039	1	V-Pulley
24	127-2998	1	V-Belt
25	127-3809	1	Fan
26	127-3810	1	Spacer
27	125-7209	4	Bolt
28	125-7029	1	Thermostat
29	125-7026	1	Gasket
30	125-7034	1	Cover
31	125-7110	1	Gasket
32	125-7594	2	Bolt
33	125-6953	1	Plug
34	125-7124	1	Sensor-Thermostat, CW
35	125-6979	1	Gasket
36	125-7176	1	Washer-Seal
37	127-3017	1	Joint
38	127-3072	1	Water In Pipe ASM
40	127-3020	2	Clip-Hose
42	127-3811	1	CW Pipe ASM
43	127-3020	2	Clip-Hose

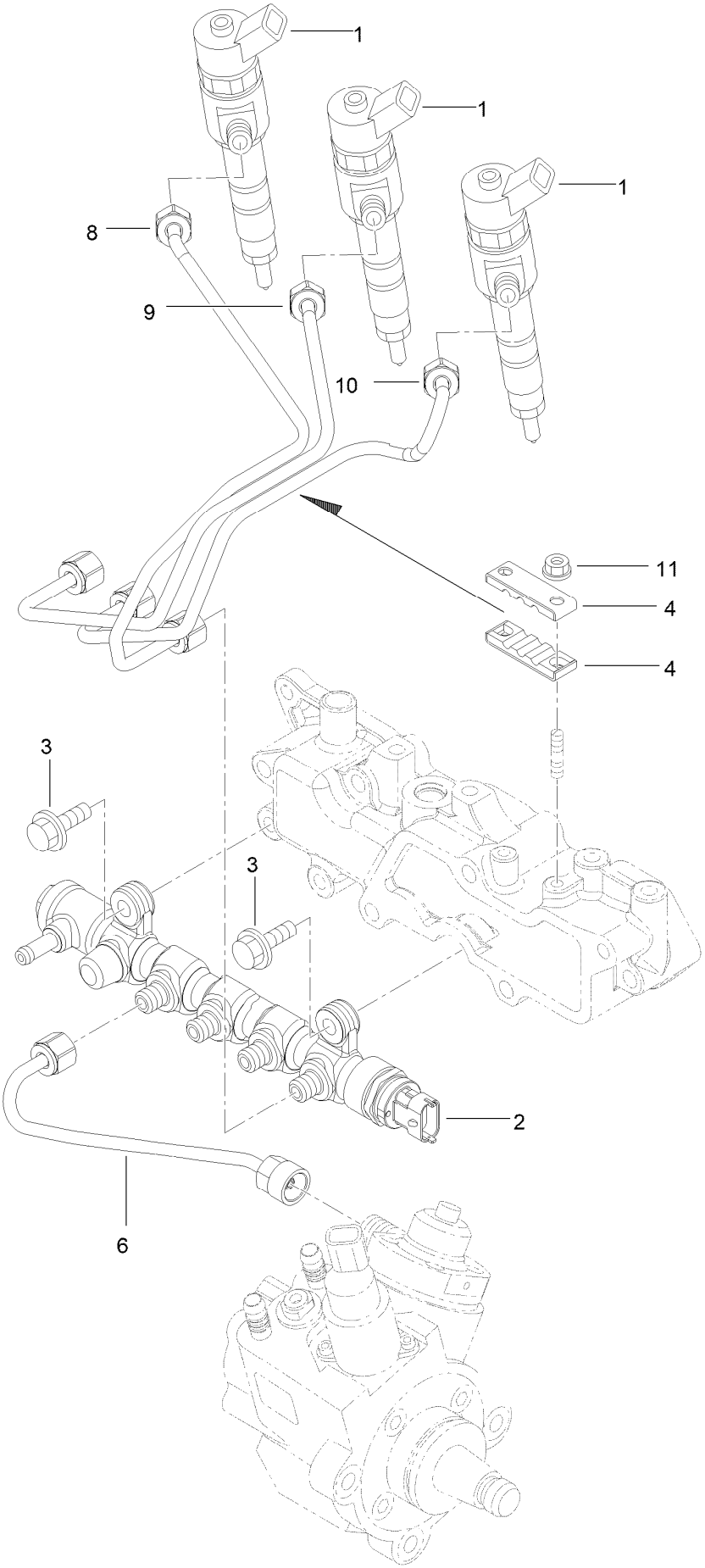
Fuel System Assembly



Fuel System Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-3073	1	Fuel Pump ASM
2	127-3074	1	O-Ring
3	125-7216	3	Bolt

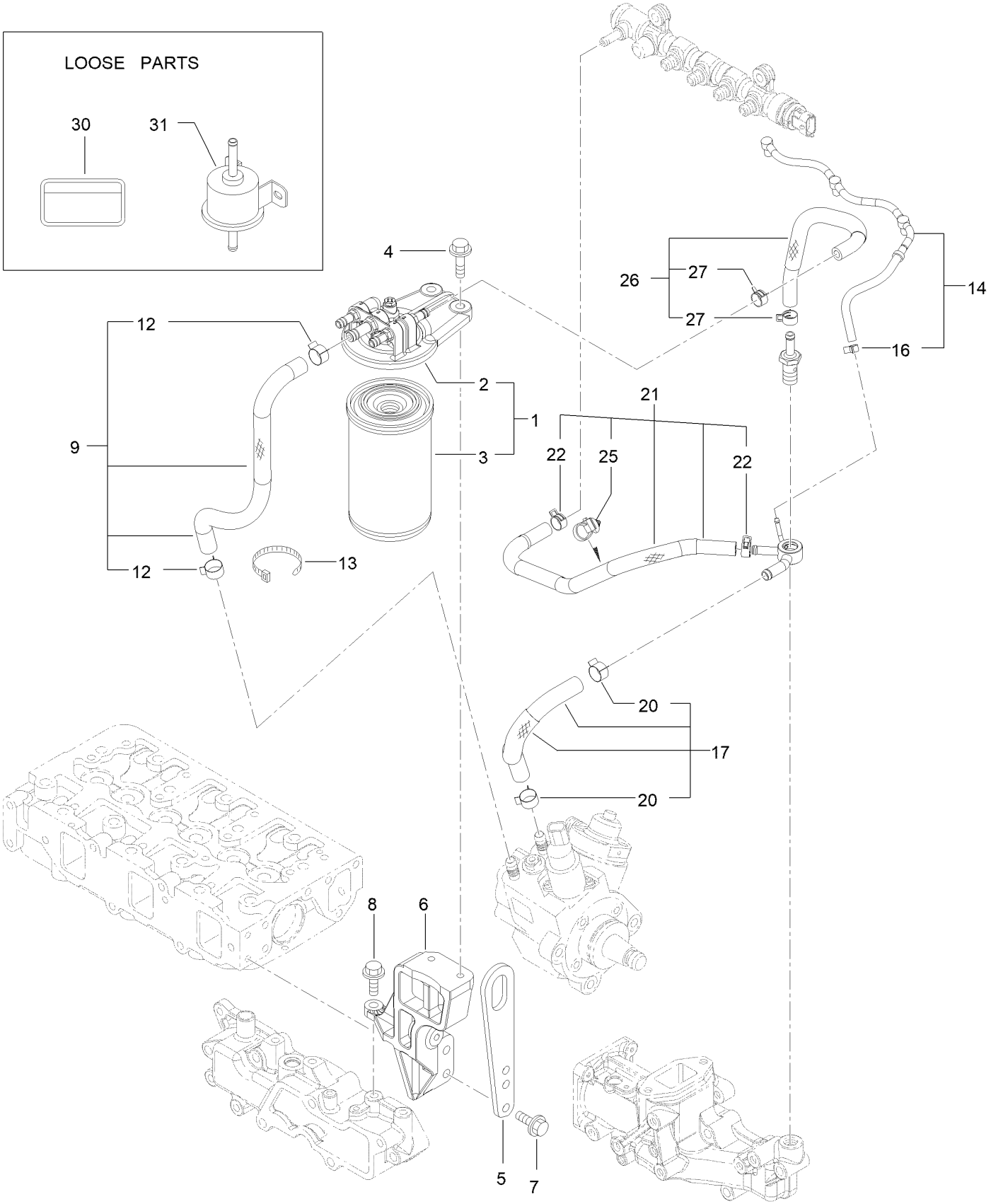
Fuel Injection Valve Assembly



Fuel Injection Valve Assembly (continued)

Ref.	Part Number	Qty.	Description
1	127-3104	3	Injector ASM
2	127-3812	1	Rail ASM
3	125-7215	2	Bolt
4	127-3813	2	Retainer
6	127-3082	1	Rail In Pipe ASM
8	127-3814	1	Injection Pipe ASM
9	127-3083	1	Injection Pipe ASM
10	127-3084	1	Injection Pipe ASM
11	125-7231	2	Nut

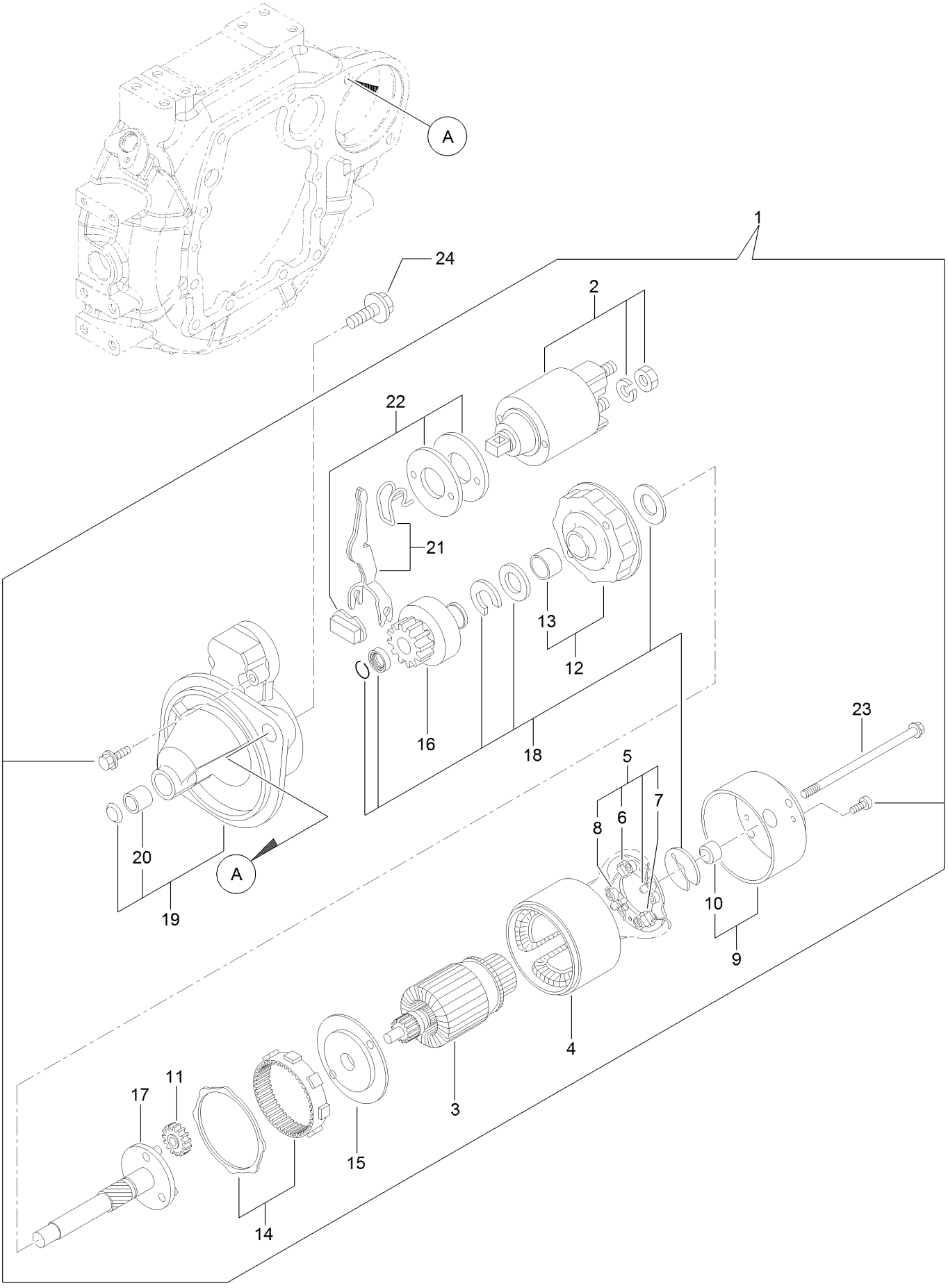
Fuel Line Assembly



Fuel Line Assembly (continued)

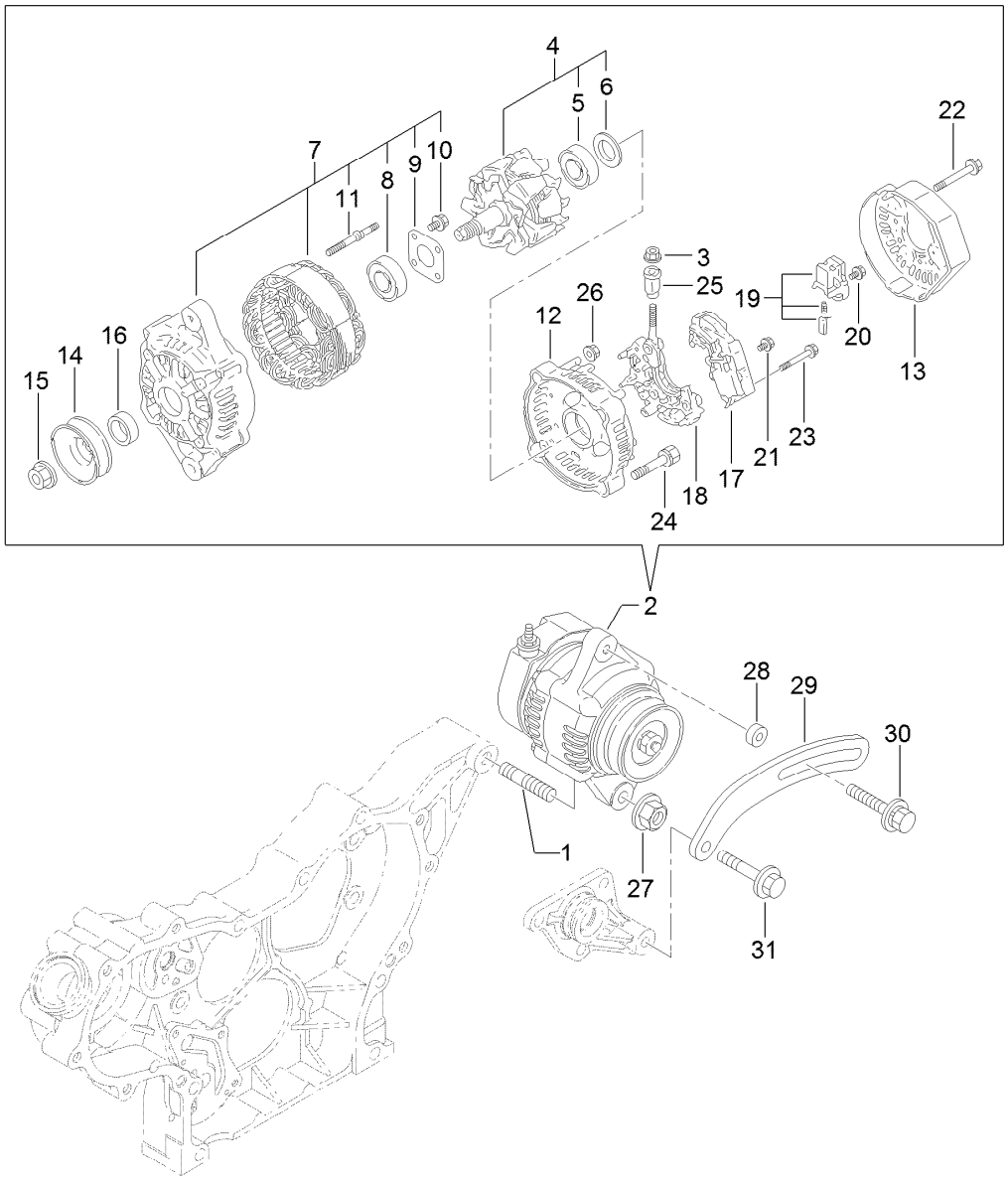
Ref.	Part Number	Qty.	Description
1	127-3075	1	Fuel/Oil Filter ASM
2	127-3076	1	Fuel/Oil Filter Bracket ASM
3	125-8752	1	Filter-Fuel/Oil
4	125-7216	2	Bolt
5	125-7111	1	Lifter
6	127-3815	1	Filter Bracket ASM
7	125-7215	2	Bolt
8	125-7215	1	Bolt
9	127-3077	1	Fuel Pipe ASM
12	125-7191	2	Clamp-Hose
13	127-2981	1	Band
14	127-3816	1	Fuel/Oil Return Pipe ASM
16	127-3172	1	Clamp-Hose
17	127-3078	1	Fuel Pipe ASM
20	125-7191	2	Clamp-Hose
21	127-3817	1	Fuel Pipe ASM
22	127-2950	2	Clip-Hose
25	127-3087	1	Band-Clip
26	127-3079	1	Fuel Pipe ASM
27	127-2950	2	Clip-Hose
30	125-6900	1	Label-Caution, Fuel Oil
31	121-5613	1	Pump-Fuel, Electric

Starting Motor Assembly



Starting Motor Assembly (continued)

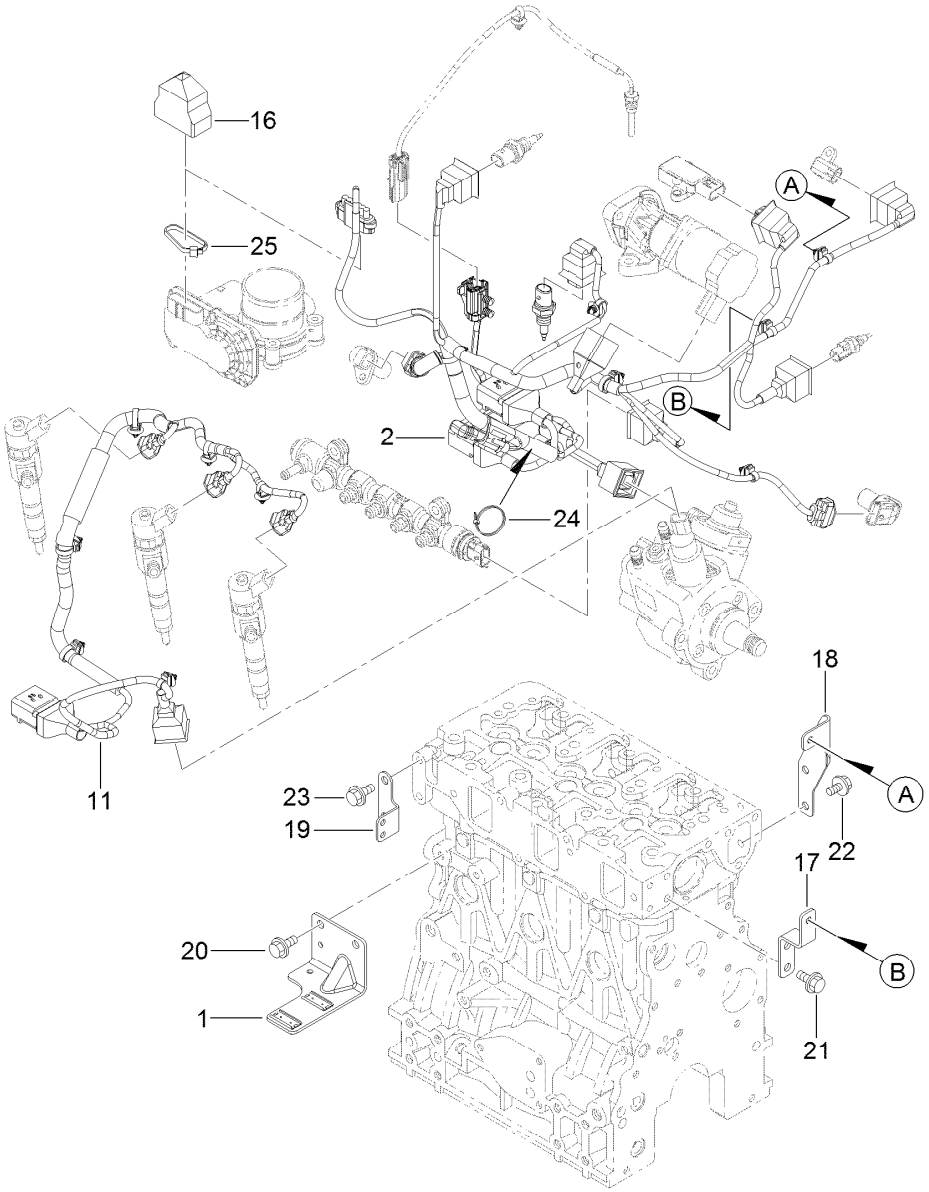
Ref.	Part Number	Qty.	Description
1	127-3818	1	Starter ASM
2	127-3819	1	Switch ASM
3	127-3820	1	Armature ASM
4	127-3821	1	Yoke ASM
5	127-3822	1	Brush Holder ASM
6	127-3823	2	Brush
7	127-3824	1	Brush Set
8	127-3825	4	Spring
9	127-3826	1	Cover ASM
10	127-3827	1	Metal
11	127-3828	3	Gear
12	127-3829	1	Bracket
13	127-3830	1	Bracket
14	127-3831	1	Gear
15	127-3832	1	Bracket
16	127-3833	1	Pinion ASM
17	127-3834	1	Shaft
18	127-3835	1	Washer Set
19	127-3836	1	Case ASM
20	127-3837	1	Metal-Starter
21	127-3838	1	Lever Set
22	127-3839	1	Dust Cover ASM
23	127-3840	2	Bolt-Through
24	125-7225	2	Bolt



Generator Assembly

Ref.	Part Number	Qty.	Description
1	127-3011	1	Stud
2	127-3841	1	Generator
3	127-3842	1	Nut
4	127-3843	1	Rotor ASM
5	127-2983	1	Bearing-Ball
6	127-2962	1	Cover
7	127-3844	1	Frame ASM
8	127-2958	1	Bearing-Ball
9	127-2959	1	Plate-Retainer
10	127-2960	4	Screw
11	127-2961	2	Stud
12	127-3845	1	Frame
13	127-3846	1	Cover
14	127-2954	1	Pulley
15	127-2955	1	Nut
16	127-2957	1	Collar

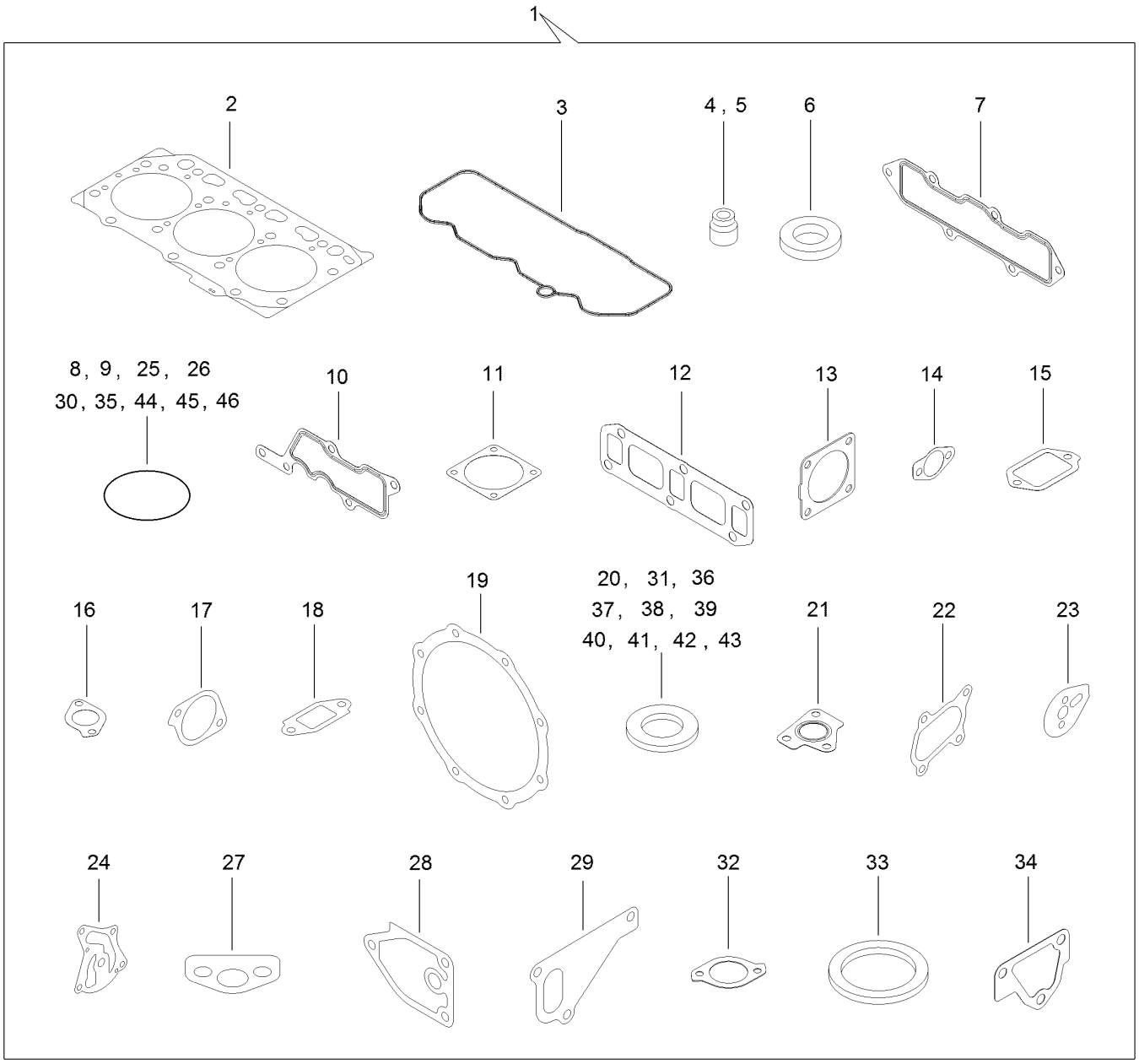
Ref.	Part Number	Qty.	Description
17	127-3847	1	Regulator ASM
18	127-3848	1	Holder
19	127-2993	1	Holder
20	127-2965	6	Screw
21	127-2966	1	Screw
22	127-2967	3	Bolt
23	127-2968	2	Screw
24	127-2969	2	Bolt
25	127-2970	1	Bushing-Insulation
26	127-2971	2	Nut
27	125-7230	1	Nut
28	125-6947	1	Spacer
29	127-2977	1	Adjuster
30	125-7134	1	Bolt
31	125-7219	1	Bolt



Electric Parts Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	127-3086	1	Bracket-Connector
2	127-3850	1	Harness B-Engine, E C O
11	130-7438	1	Harness
16	127-3089	1	Boot-Type, Cap
17	127-3852	1	Bracket-Harness
18	127-3853	1	Bracket-Harness
19	127-3090	1	Bracket-Harness
20	93-0362	2	Bolt
21	93-0362	2	Bolt
22	93-0362	2	Bolt
23	93-0362	2	Bolt
24	127-3187	1	Band
25	127-3188	1	Band

Gasket Set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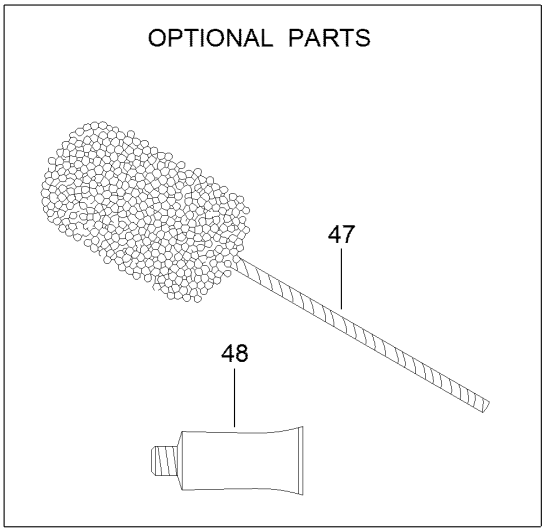
OPTIONAL PARTS
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Gasket Set (continued)

Ref.	Part Number	Qty.	Description
1	127-3854	1	Gasket Kit
2	127-3751	1	Head Gasket ASM
3	127-3762	1	Gasket-Cover, Cylinder Head
4	127-2986	3	Seal-Stem, Valve
5	127-3027	3	Seal-Stem, Valve
6	127-3021	3	Gasket-Injector
7	127-3769	1	Gasket-Manifold, Intake
8	127-3032	2	O Ring-Sensor, Pressure
9	127-3033	1	O-Ring
10	127-3034	1	Gasket-Collector
11	127-3037	2	Gasket-Throttle
12	127-3775	1	Gasket-Manifold, Exhaust
13	127-3019	1	Gasket
14	127-3043	2	Gasket-Cooler, E G R
15	127-3046	1	Gasket-E G R
16	127-3016	1	Gasket
17	127-3050	1	Gasket-Intake Valve, E G R
18	127-3051	1	Gasket-Out Valve, E G R
19	127-3787	2	Gasket-D P F
20	127-3056	4	Gasket-Sensor
21	127-3799	1	Gasket-In, T C
22	127-3779	1	Gasket-Out, T C
23	127-3069	1	Gasket-Idle, Shaft B
24	127-3004	1	Gasket
25	125-6909	2	O-Ring
26	127-2973	1	O-Ring
27	125-7022	1	Gasket
28	125-7024	1	Gasket
29	125-7047	1	Gasket
30	125-7048	1	O-Ring
31	125-6979	1	Gasket
32	125-7110	1	Gasket
33	125-7026	1	Gasket
34	125-6978	1	Gasket
35	127-3074	1	O-Ring
36	125-7174	1	Washer-Seal
37	125-7175	2	Washer-Seal
38	125-7176	1	Washer-Seal
39	127-3166	2	Washer-Seal
40	125-7177	1	Washer-Seal
41	125-7192	1	Gasket
42	125-7193	2	Gasket
43	127-3174	2	Gasket
44	93-0418	3	O-Ring
45	125-7197	3	O-Ring
46	125-7198	1	O-Ring
47	125-7038	1	Hone
48	125-7248	1	Gasket-Liquid

Attachments and Accessories

For 30879 — Groundsmaster 4300 Traction Unit

Product Name	Model/Part
22in Rotary Cutting Unit	30845
Air Ride Seat Suspension Kit	03667
22in Angle Sail Blade	117-0209-03
22in High Lift Blade	114-0434-03
Premium Engine Oil 10w30 (55 Gallon Drum)	121-6392
Hi-Back Seat Cover	133-1308
22in Atomic Blade	114-0435-03
Premium Engine Oil 10w30 (5 Gallon Pail)	121-6393
22in Combo Blade	108-7395-03
PX Hydraulic Fluid (55 Gal)	133-8087
Mulching Kit	117-0185
PX Hydraulic Fluid (5 Gal)	133-8086
Roller Scraper Kit	117-0149
Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gallon Pail)	119-2157
Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gallon Drum)	119-2158
Roller Asm (UHMW)	131-7800
Premium All Purpose Grease (Tube)	108-1190
Service Pack-Combo Blade	119-6957
22in Sectional Roller Assembly	137-6147
5in Air Cleaner Safety Element	114-4057
MVP Kit 1000 Hour-rm5x10/gm4300 Yanmar	145-2580
Mvp Kit-Hyd Hose	145-2577
Wheel Weight Kit	104-1478
Spark Arrestor	98-9099
EU Light Kit	31579
White Universal Sunshade	30669
Red Universal Sunshade	30671
Operator Cooling Fan	03247
Switch Panel-Universal Sunshade	03248
Beacon Kit	138-2699
Work Lights Kit, Groundsmaster and Reelmaster Traction Units with Universal Sunshade	140-1554
Power Harness Kit (RM5XXX)	138-2994
Operator Golf Ball Guard, Reelmaster 3100/3500/5010 or Groundsmaster 3500/4300 Series Traction Unit	03614
Fuel Cooler Kit [yanmar Rm5x10, Gm4300]	139-6040
Semi-Gloss Black Spray Paint	361-9
Dark Metallic Gray Aerosol Paint	361-12
New Red Paint - Gallon	361-11
Air Dry Red Paint - Qt	5340

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Count on it.