



Count on it.

Form No. 3478-987 Rev A

Parts Catalog

Groundsmaster® 4300 Traction Unit

Model No. 30879—Serial No. 420300000 and Up



Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

Reference Numbers Indicating Quantity

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

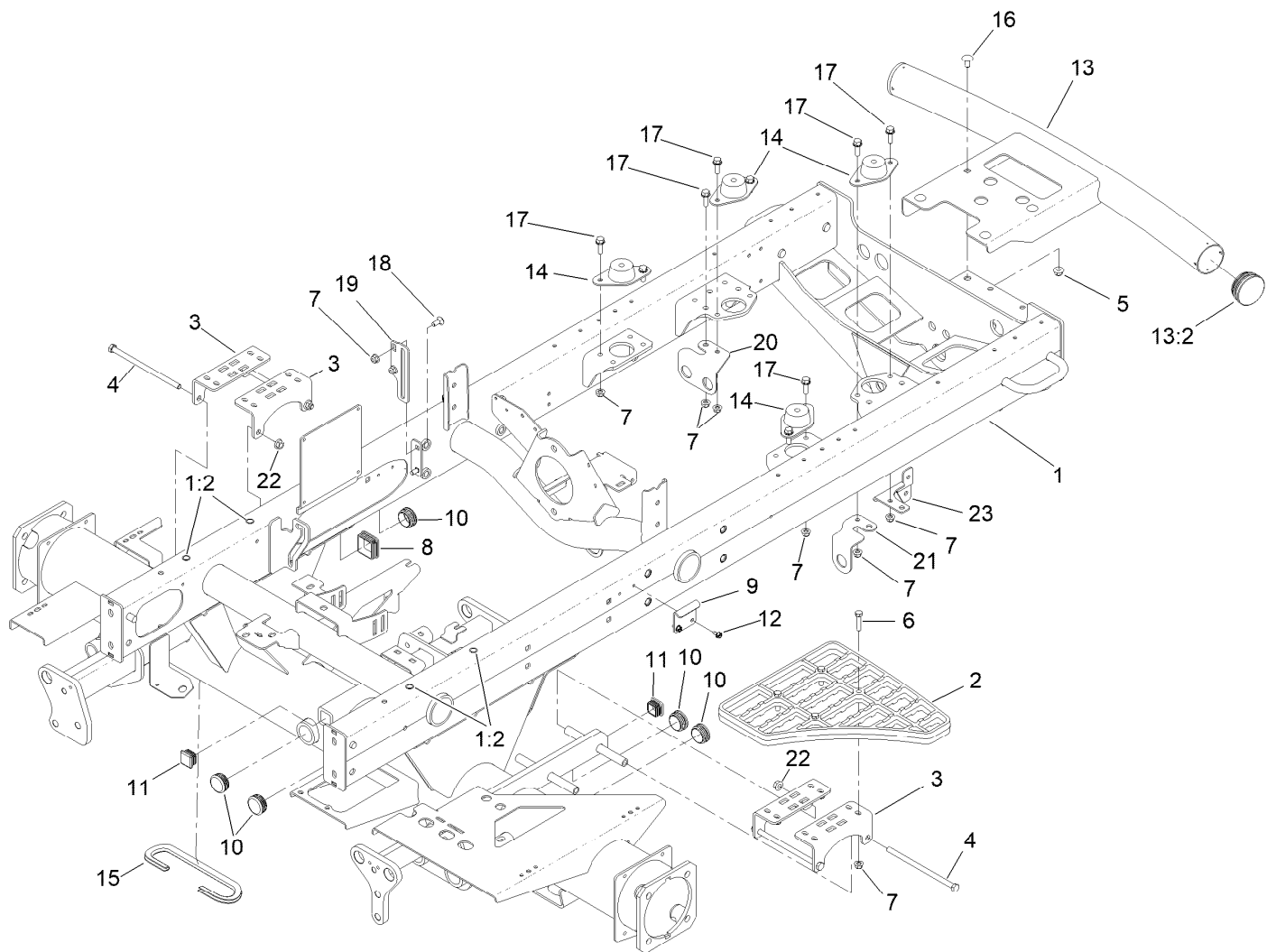
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

Contents

Frame Assembly	5
Platform and Shroud Assembly	6
Pedal Assembly	7
Steering Assembly	8
Steering Tilt Column Assembly No. 106-3622	9
Steering Valve Assembly No. 106-3621	10
Control Panel Assembly	11
Joystick Bracket Assembly No. 120-5280	13
Front Axle Assembly	14
Rear Axle Assembly	15
Tie Rod Assembly No. 139-6029	16
No. 1, 4 and 5 Lift Arm and Deck Assembly	17
No. 2 and 3 Lift Arm and Deck Assembly	18
Seat and Control Arm Wiring Harness Assembly	19
Main Wiring Harness Assembly	20
Wire Harness Assembly No. 122-2912	21
Electrical Assembly	22
Gear Pump Mounting Assembly	23
Gear Pump Assembly No. 121-5645	24
Seat Base Assembly	25
Hood Assembly	26
Radiator Assembly	27
Hydraulic Tank Assembly	28
Fuel System Assembly	29
Seat Mount Assembly	30
Seat Assembly No. 139-2700	31
Mechanical Seat Suspension Assembly No. 145-5295	32
Traction Pump Assembly	33
Hydraulic Pump Assembly No. 144-2060	34
Traction Hydraulic Circuit Assembly	36
Hydraulic Motor Assembly No. 163-3542	37
Hydraulic Motor Assembly No. 163-3543	38
Rear Traction Hydraulic Circuit	39
Hydraulic Motor Assembly No. 138-0436	40
Hydraulic Motor Assembly No. 138-0435	41
Four Wheel Drive Manifold Assembly No. 108-1825	42
Hydraulic Brake Assembly	43
Brake Release Manifold Assembly No. 139-6046	44
Rear Deck Hydraulic Assembly	45
Gear Motor Assembly No. 108-4004	47
Deck Control Manifold Assembly No. 114-0359	48
Rear Deck Hydraulic Assembly	49
Deck No. 1, 4 and 5 Lift Circuit Hydraulic Assembly	51
Lift Control Manifold Assembly No. 117-0158	52
Hydraulic Cylinder Assembly No. 163-3531	53
Hydraulic Cylinder Assembly No. 119-6990	54
Hydraulic Cylinder Assembly No. 119-6991	55
Deck No. 2 and 3 Lift Circuit Hydraulic Assembly	56
Hydraulic Cylinder Assembly No. 163-2624	57
Steering Hydraulic Assembly	58
Steering Cylinder Assembly No. 138-6994	60
Engine, Muffler and Air Cleaner Assembly	61
Air Cleaner Assembly No. 98-4517	63
Driveshaft Assembly No. 145-2508	64

Contents (continued)

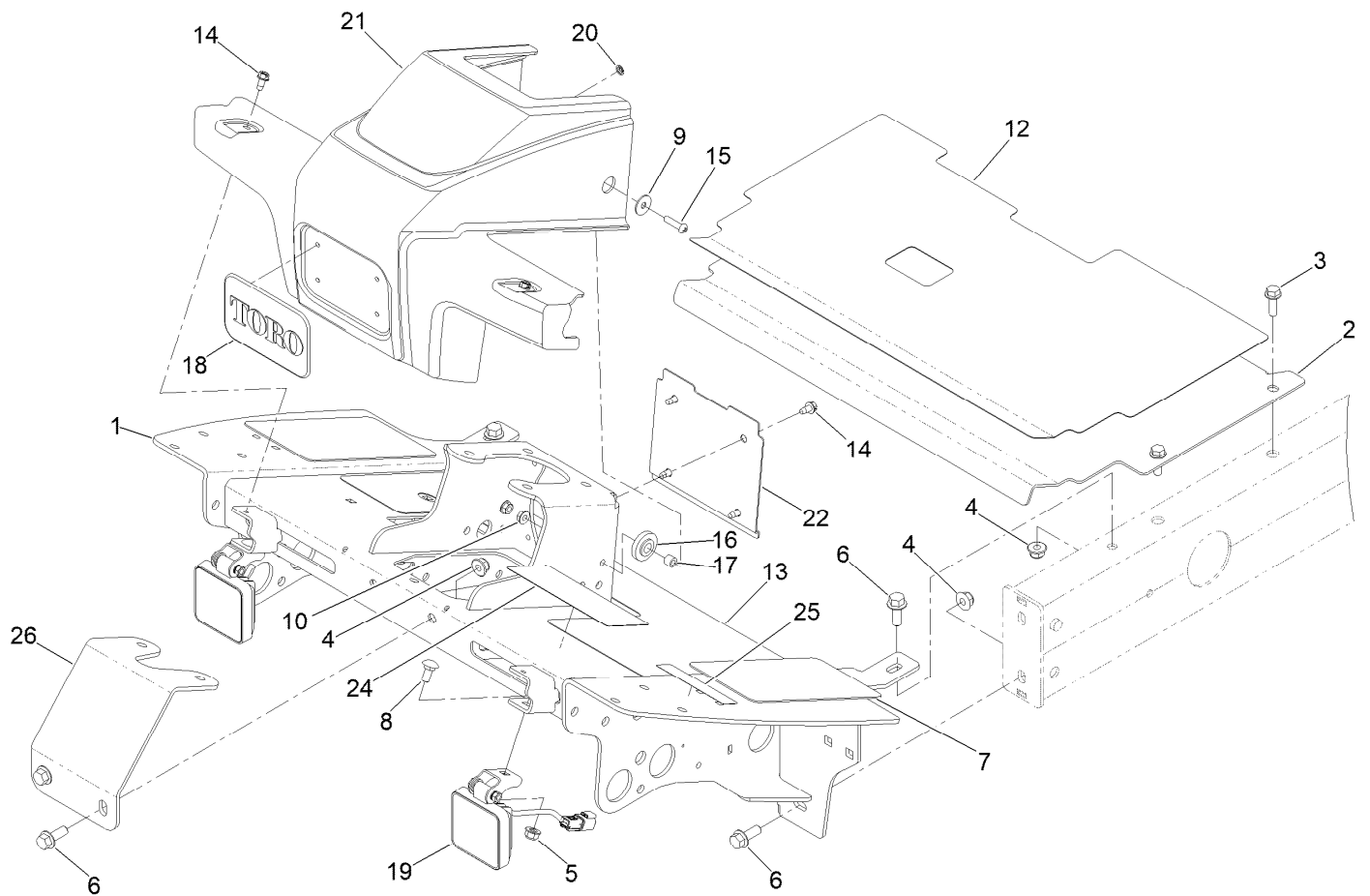
Cylinder Block Assembly	65
Gear Housing Assembly	66
Flywheel Housing and Oil Sump Assembly	68
Cylinder Head and Cover Assembly	70
Suction Manifold Assembly	72
Exhaust Manifold Assembly	73
Diesel Particulate Filter Assembly	74
Camshaft and Driving Gear Assembly	76
Turbine Assembly	78
Crankshaft and Piston Assembly	79
Lubrication and Oil System Assembly	80
Lubrication Oil Line Assembly	81
Cooling Water System Assembly	82
Fuel System Assembly	84
Fuel Injection Valve Assembly	86
Fuel Line Assembly	88
Starting Motor Assembly	90
Generator Assembly	92
Electric Parts Assembly	93
Gasket Set	94
Attachments and Accessories	96



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

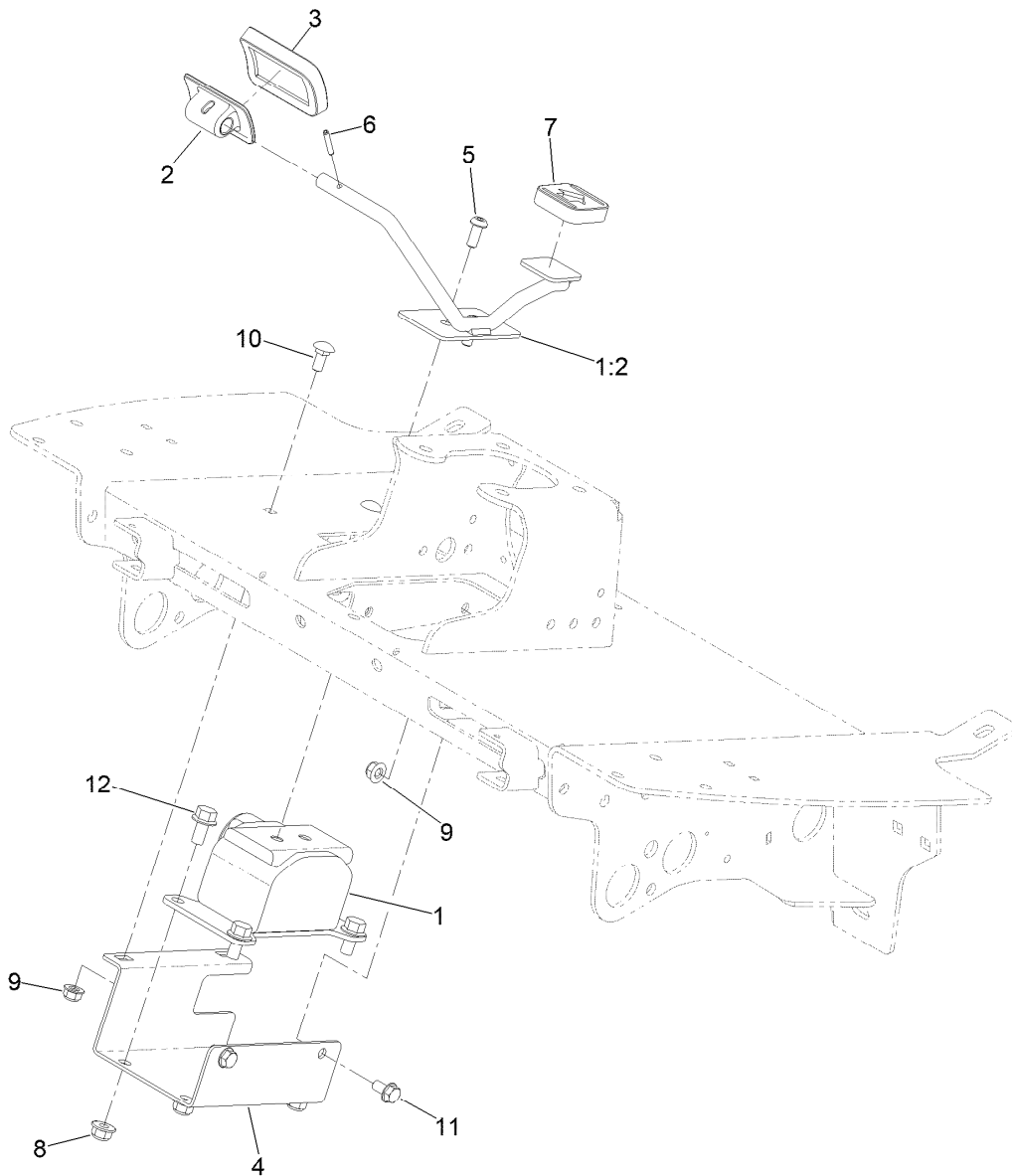
Ref.	Part Number	Qty.	Description
13	147-3550	1	Bumper ASM
13:2	2410-42	2	Cap-End
14	120-6274	4	Mount-Engine
15	145-2520	1	Trim-Brake Hose
16	3231-21	4	Screw-CARR
17	3234-29	9	Screw-HHF
18	3230-1	2	Bolt-CARR
19	108-7584-01	1	Plate-Guide, Rod
20	117-0155	1	Bracket-4Wd, LH
21	117-0154	1	Bracket-4Wd, RH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



Platform and Shroud Assembly

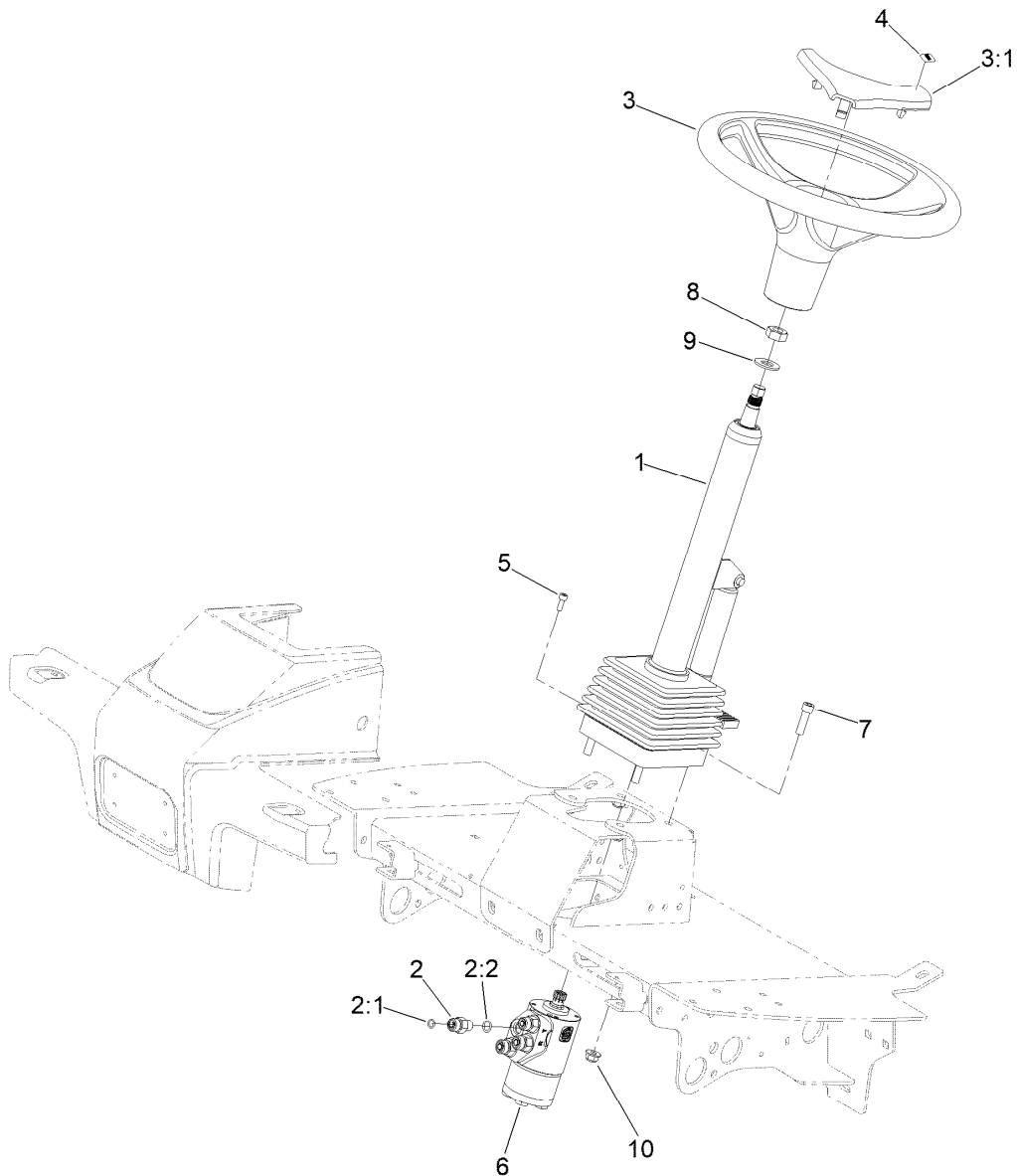
Ref.	Part Number	Qty.	Description
1	145-2490-01	1	Platform ASM
2	115-8064-01	1	Plate-Floor
3	3234-17	4	Screw-HHF
4	104-8301	6	Nut-HF, NI
5	104-8300	2	Nut-HF, NI
6	3234-11	6	Screw-HHF
7	125-2910	2	Tread-Floor, Side
8	3230-1	2	Bolt-CARR
9	87-6630	2	Washer-Plain
10	32128-33	2	Nut-HF
12	125-2911	1	Tread-Panel,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

Ref.	Part Number	Qty.	Description
14	32104-17	6	Screw-HWH
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	133-2931	1	Decal-Danger (CE)
25	133-8062	1	Decal-Spark Arrestor
26	110-8876-0P	1	Brace-Column

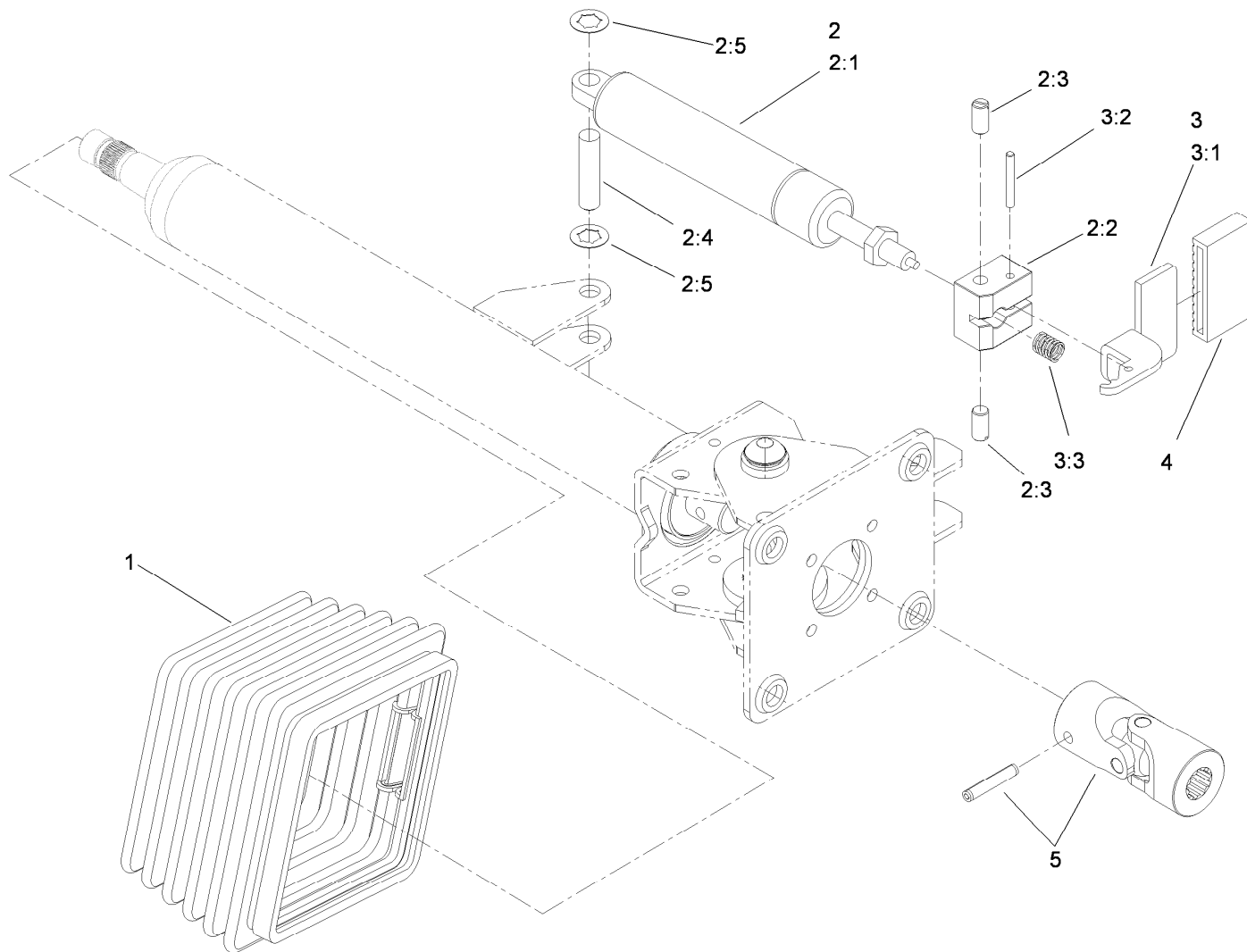


Pedal Assembly

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



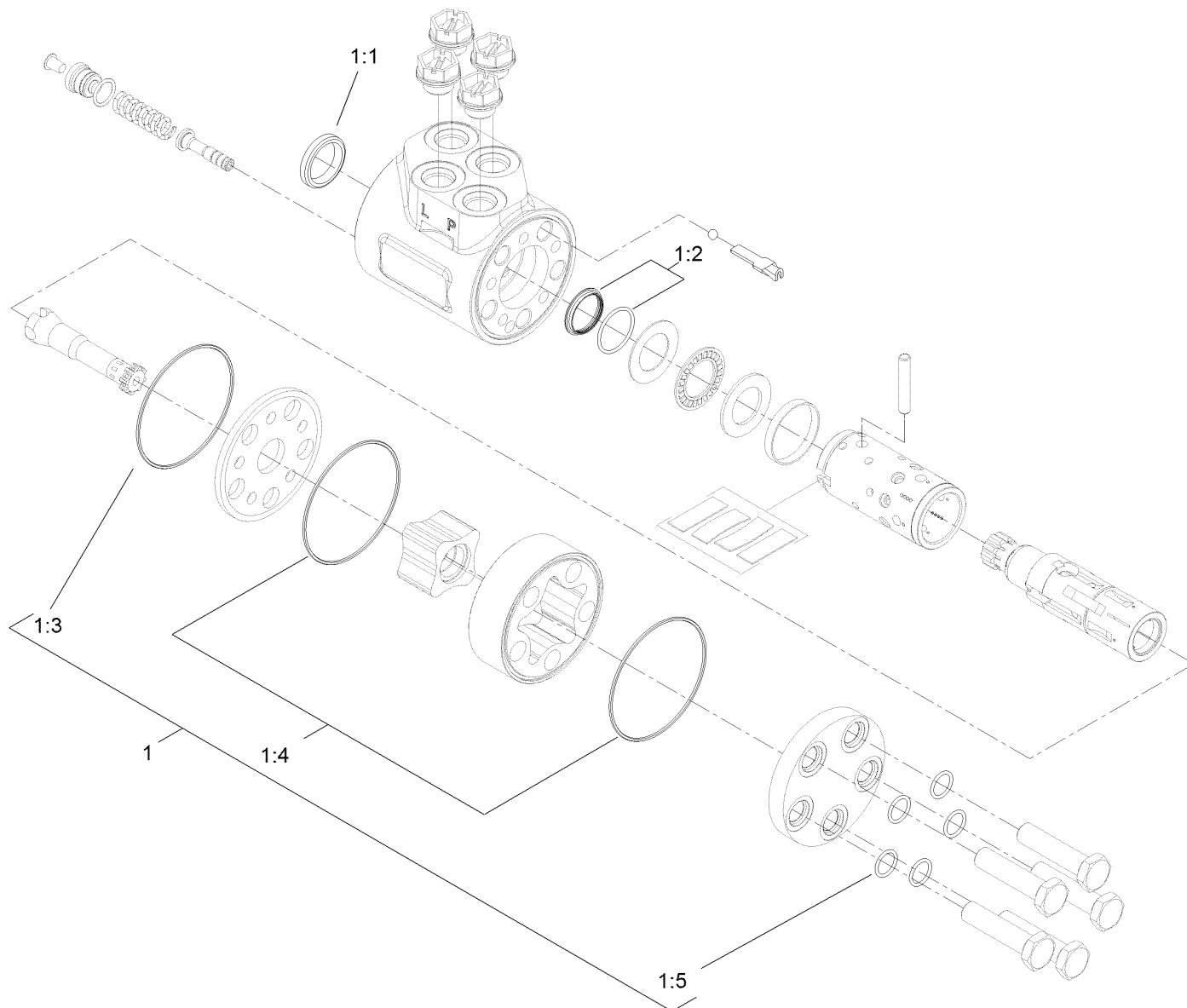
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	106-3622	1	Steering Tilt Column ASM
2	340-2	4	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	98-1459	1	Decal
5	105-2409	4	Screw-HSH
6	106-3621	1	Steering Valve ASM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

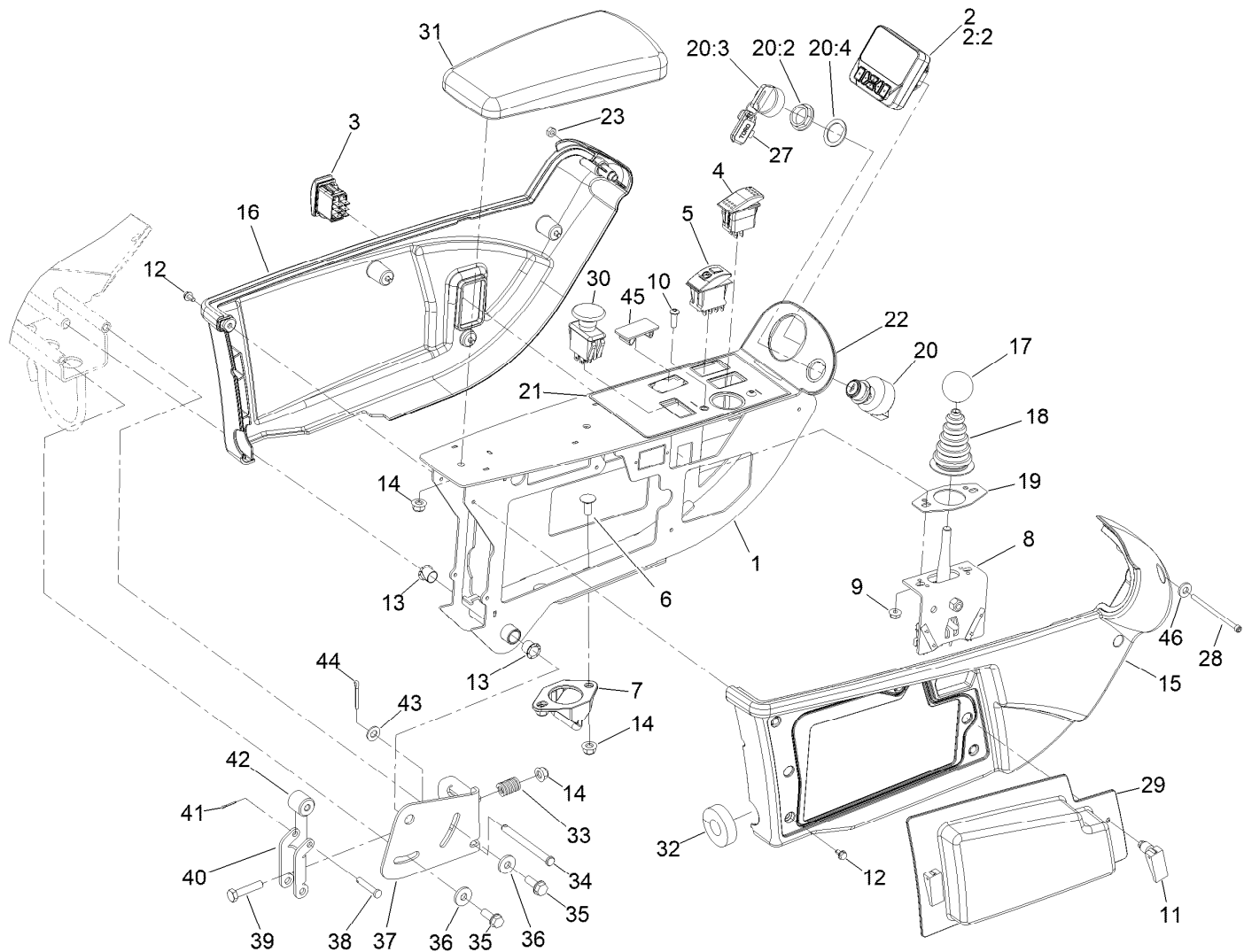
● Not serviced separately



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 ●

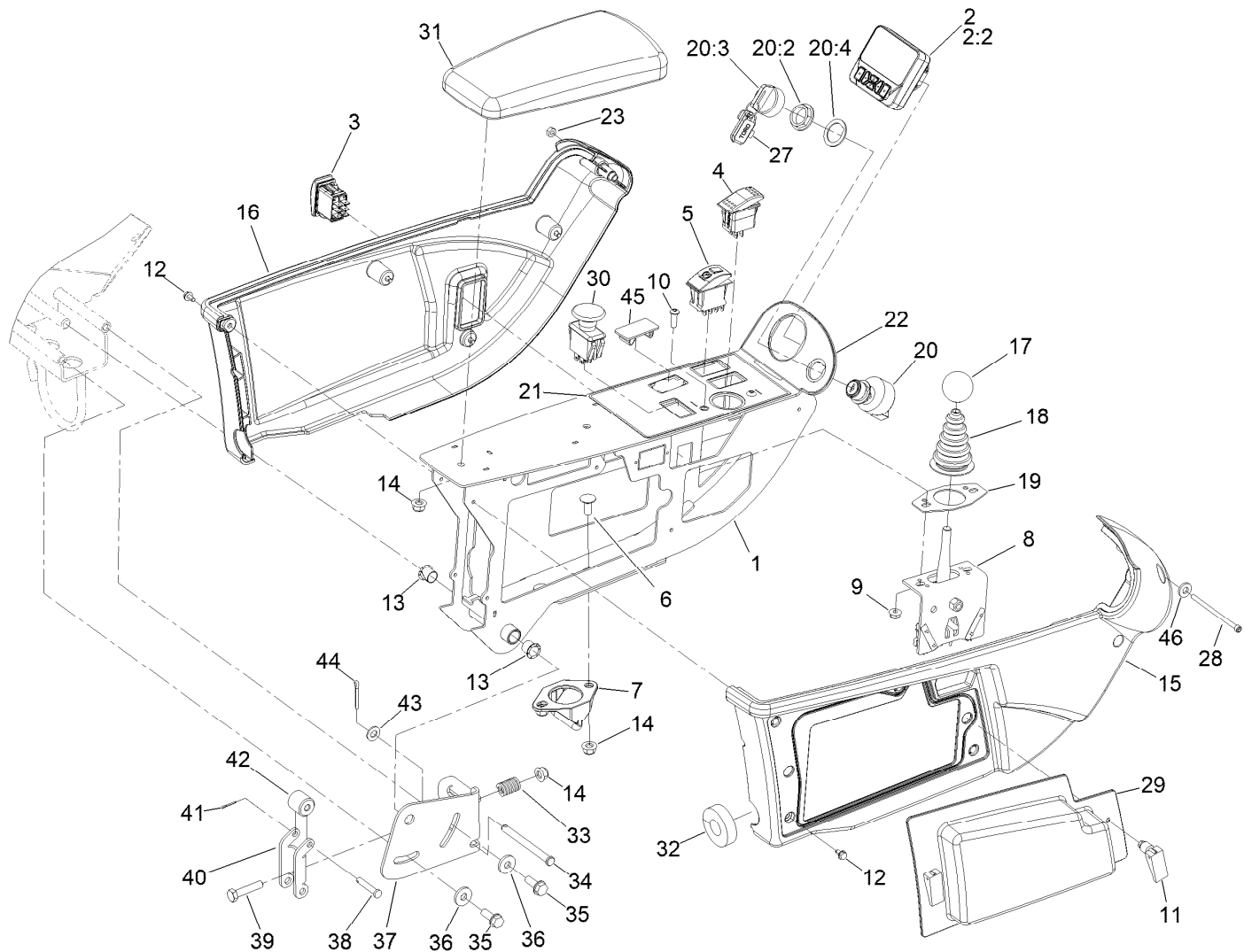
● Not serviced separately



Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	145-2474-03	1	Frame-Arm, Control
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	137-3061	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
18	93-5961	1	Boot-Lever

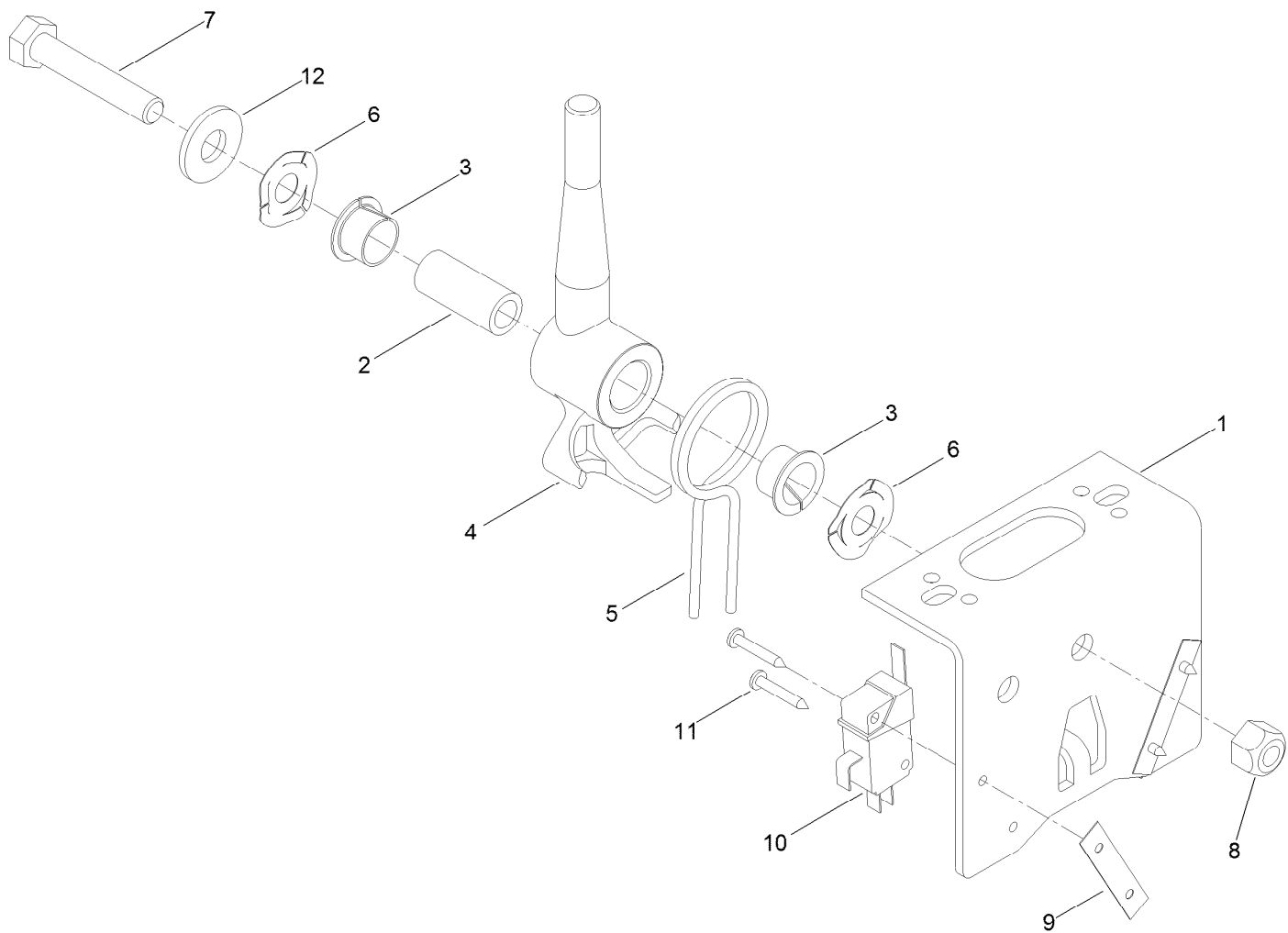
Ref.	Part Number	Qty.	Description
19	112-9181	1	Plate-Boot
20	106-5269	1	Ignition Switch ASM
20:2	108-8660	1	Nut-Mounting
20:3	106-5270	1	Ignition Key Set
20:4	108-8659	1	Washer-Backup
21	145-2483	1	Decal-Control Panel
22	120-4158	1	Decal-Console, Upper
23	3296-2	1	Nut-Lock, NI
27	99-8970	1	Key-Latch, 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-Taprite
36	4-2390	2	Washer-Flat
37	110-5313-03	1	Bracket-Retainer
38	283-73	1	Pin-Clevis
39	322-7	1	Screw-HH



Control Panel Assembly (continued)

Ref.	Part Number	Qty.	Description
40	110-5314	1	Latch
41	3272-1	1	Pin-Cotter
42	110-8856	1	Spacer
43	3256-23	1	Washer-Plain

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



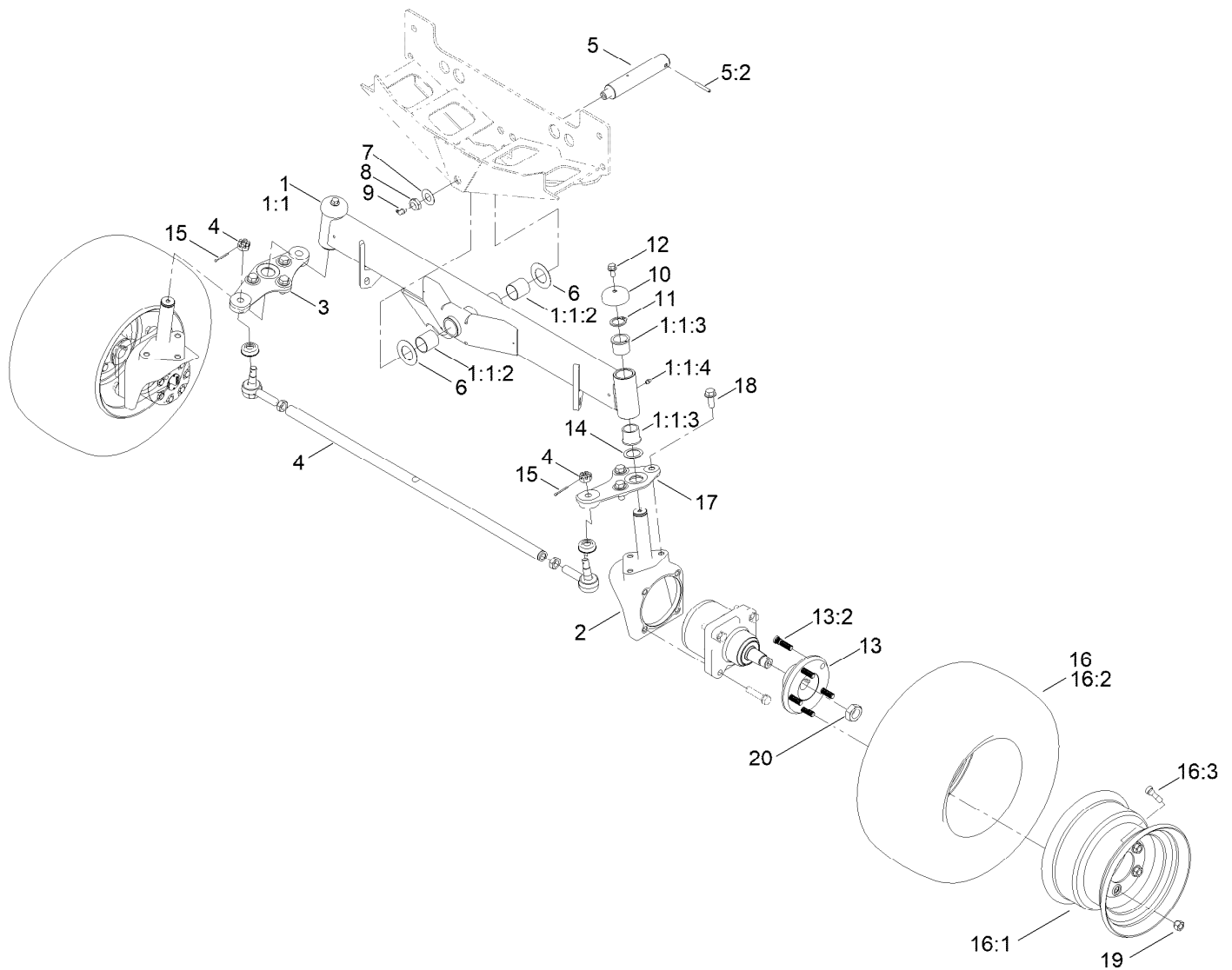
Joystick Bracket Assembly No. 120-5280

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

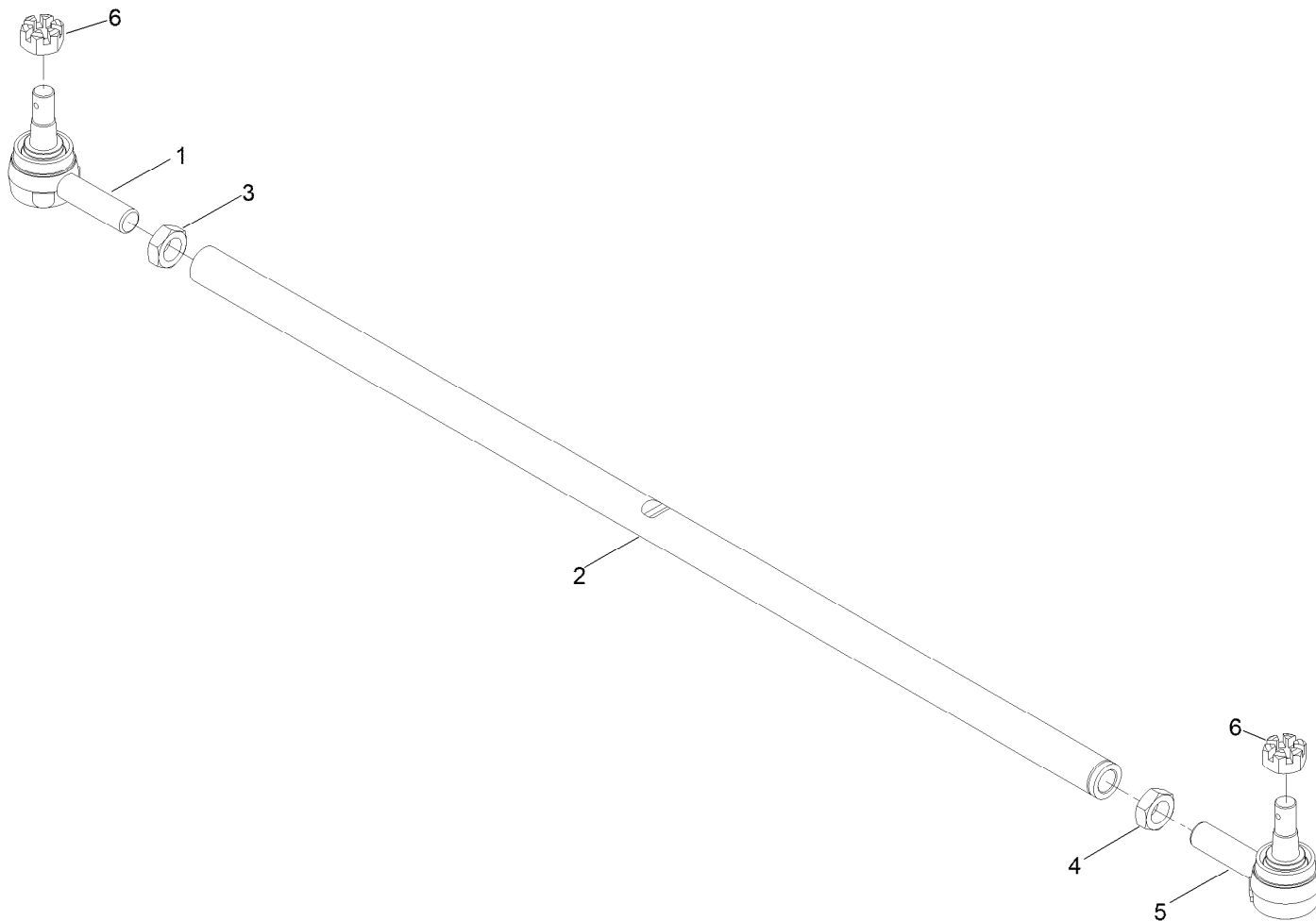
Ref.	Part Number	Qty.	Description
1	139-2564	12	Nut-Lug
2	144-2058	2	Hub ASM (1.50)
2:1	136-7971	1	Hub-Wheel
2:2	114-3918	6	Stud-Wheel
3	139-6048	2	Tire ASM
3:1	133-2724	1	Tire
3:2	139-6049	1	Wheel
3:3	232-27	1	Stem-Valve
4	117-3290	2	Nut-Hex
5	117-5198	2	Key-Square



Rear Axle Assembly

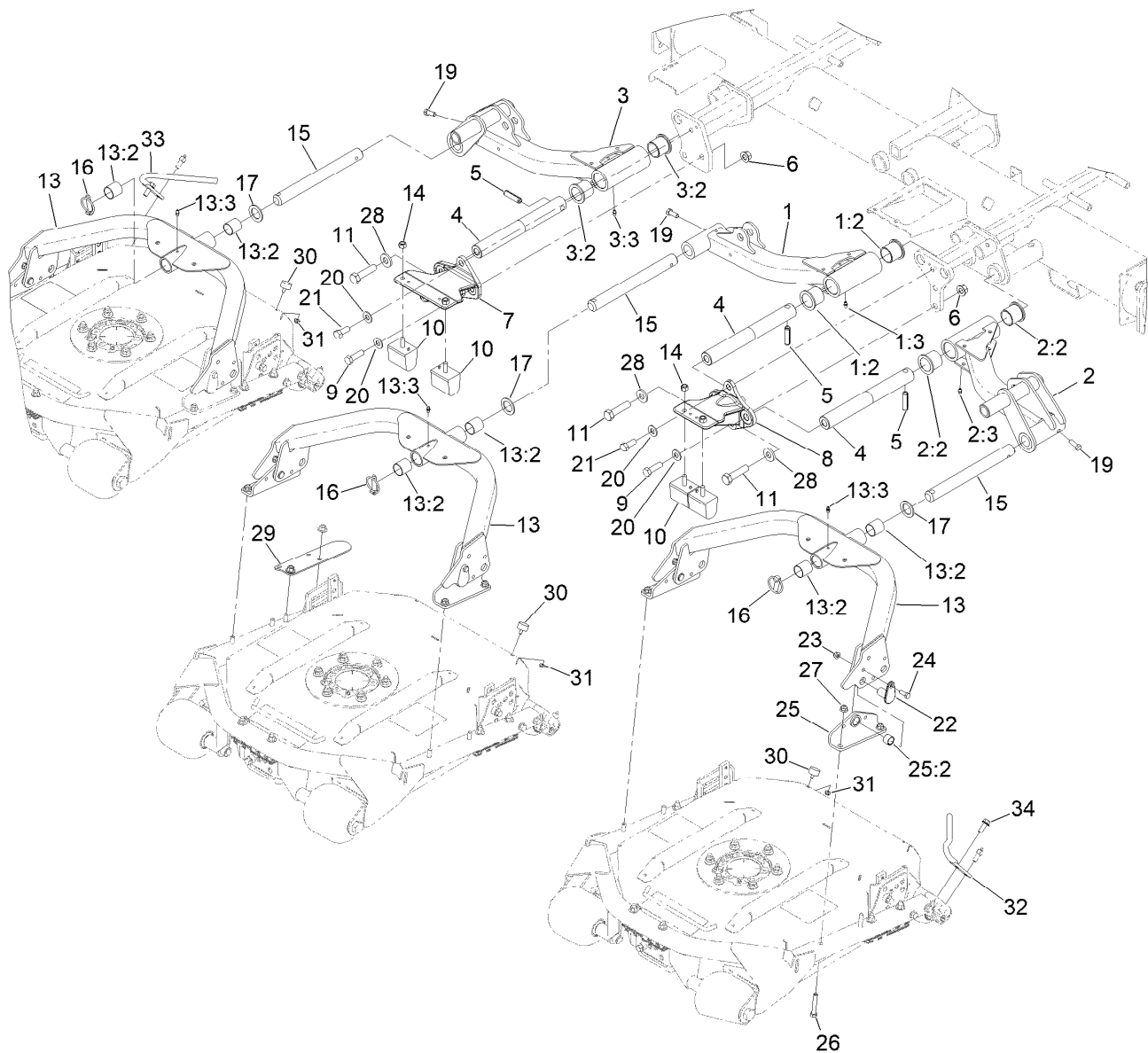
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	117-0256-03	1	Axle ASM	11	32151-77	2	Ring-Retaining, External
1:1		1	Axle ●	12	3234-1	2	Screw-HHF
1:1:2	99-6964	2	Bushing-Axle	13	121-5633	2	Hub ASM
1:1:3	104-0015	4	Bushing-Flange	13:2	114-3918	5	Stud-Wheel
1:1:4	302-5	2	Fitting-Grease	14	76-2980	2	Washer-Thrust
2	161-5128	2	Housing-Motor	15	3272-12	2	Pin-Cotter
3	140-3142	1	Link-Drag, RH	16	117-0281	2	Rim And Tire ASM
4	139-6029	1	Tie Rod ASM	16:1	117-0280	1	Rim
5	140-6101	1	Pin ASM-Axle Pivot	16:2	117-5125	1	Tire
5:2	32121-32	1	Pin-Roll	16:3	232-27	1	Stem-Valve
6	99-8432	2	Washer-Thrust	17	140-3144	1	Link-Drag, LH
7	71-4540	1	Washer-Thrust	18	3234-38	6	Screw-HHF
8	3296-15	1	Nut-Lock, NI	19	139-2564	10	Nut-Lug
9	302-33	1	Fitting-Grease	20	26-3790	2	Nut-Lock
10	69-8890	2	Cap-Spindle				

● Not serviced separately



Tie Rod Assembly No. 139-6029

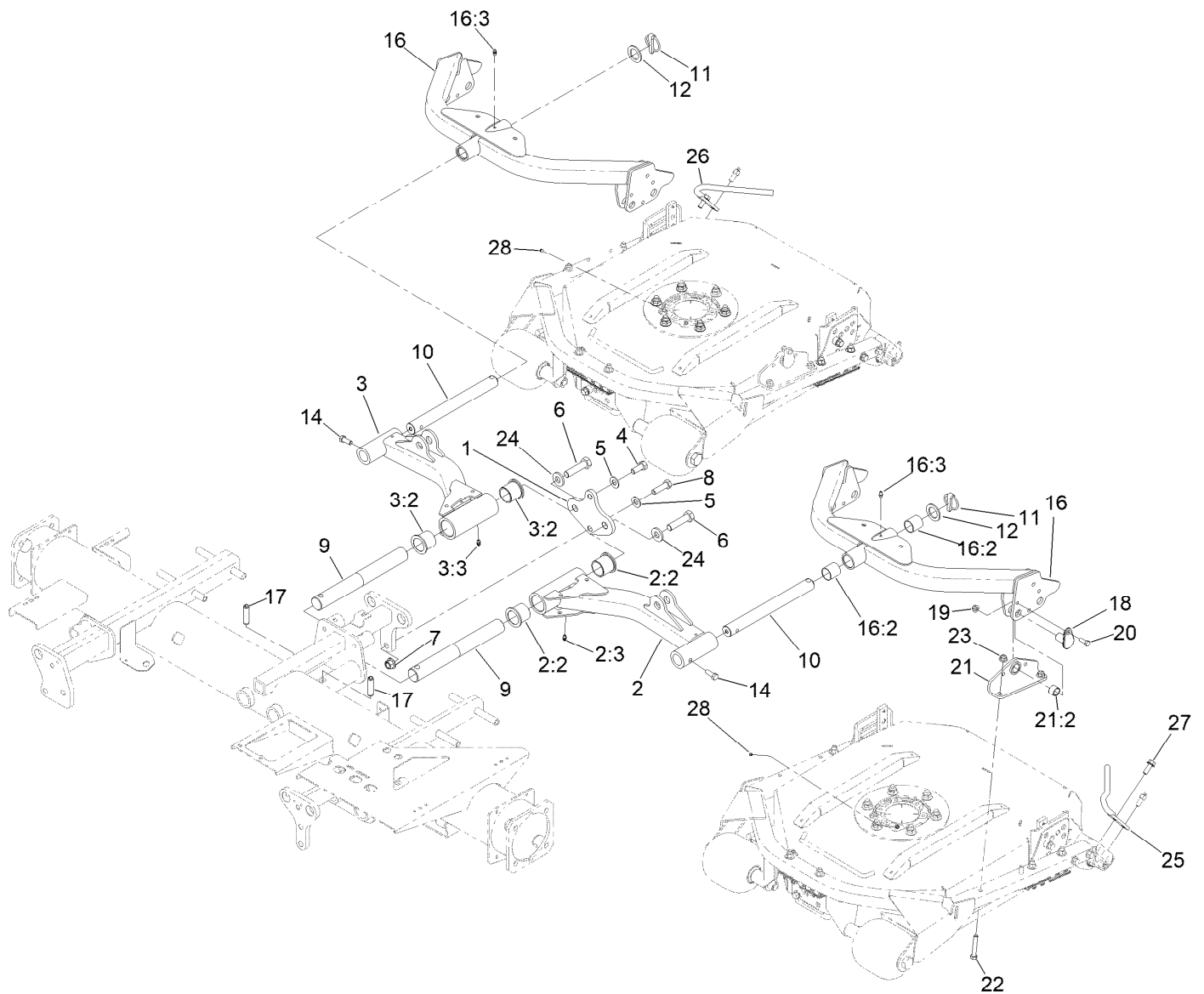
Ref.	Part Number	Qty.	Description
1	144-3901	1	Tie Rod End
2	139-6030	1	Rod-Tie
3	84-5300	1	Nut-Jam
4	110-5337	1	Nut-Jam
5	144-3902	1	Tie Rod End
6	140-6135	2	Nut-Hex, Slotted



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

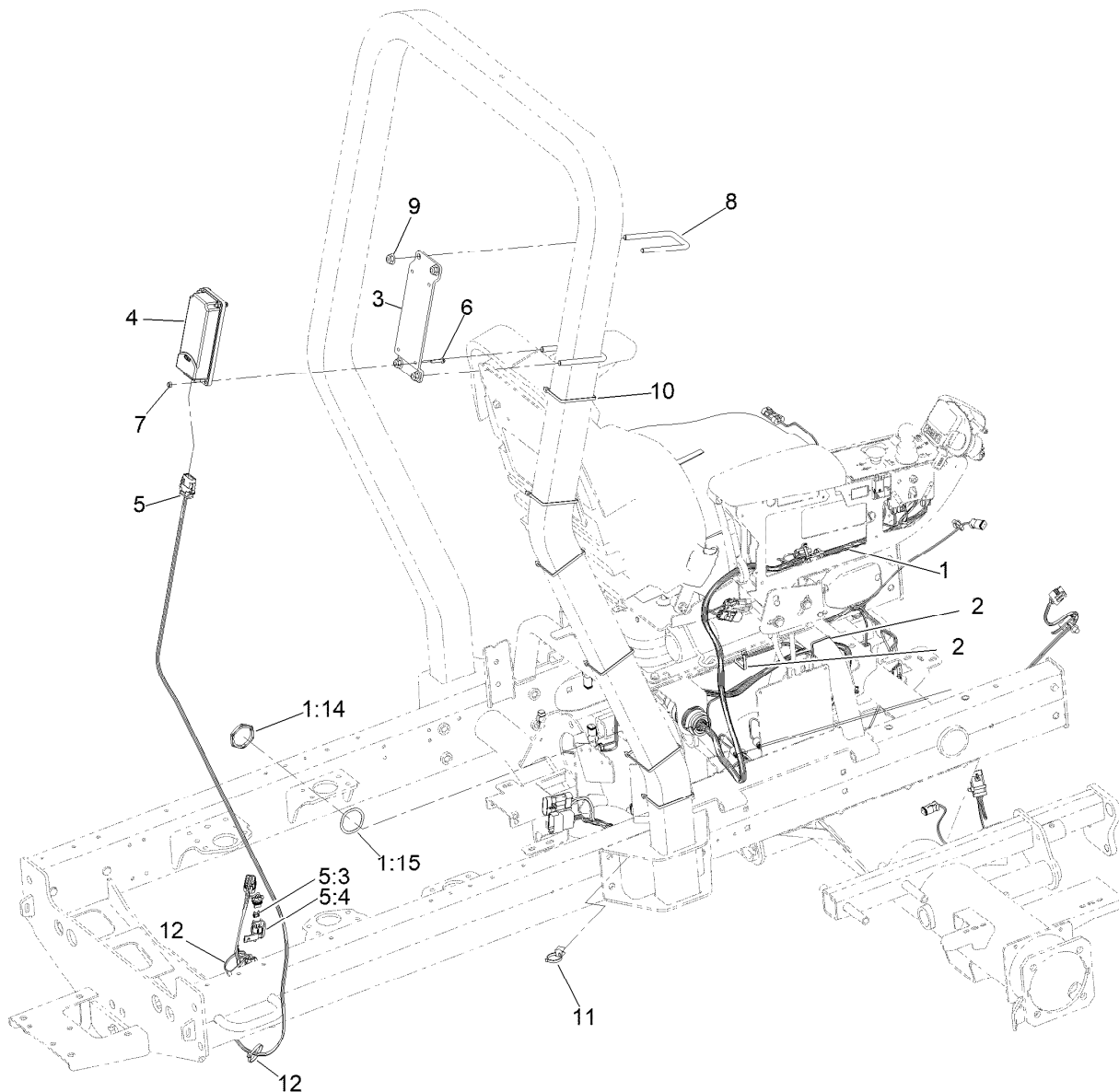
Ref.	Part Number	Qty.	Description
15	105-7560	3	Shaft-Cu Pivot
16	283-71	3	Pin-Lynch
17	3-6781	3	Washer-Flat
19	323-6	3	Screw-HH
20	87-7270	6	Washer-Thrust
21	325-5	2	Screw-HH
22	136-3568	6	Pin-Flag (Mach)
23	104-8300	6	Nut-HF, NI
24	322-4	6	Screw-HH
25	117-0118	6	Pivot ASM
25:2	108-8482	1	Bushing-Sleeve
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

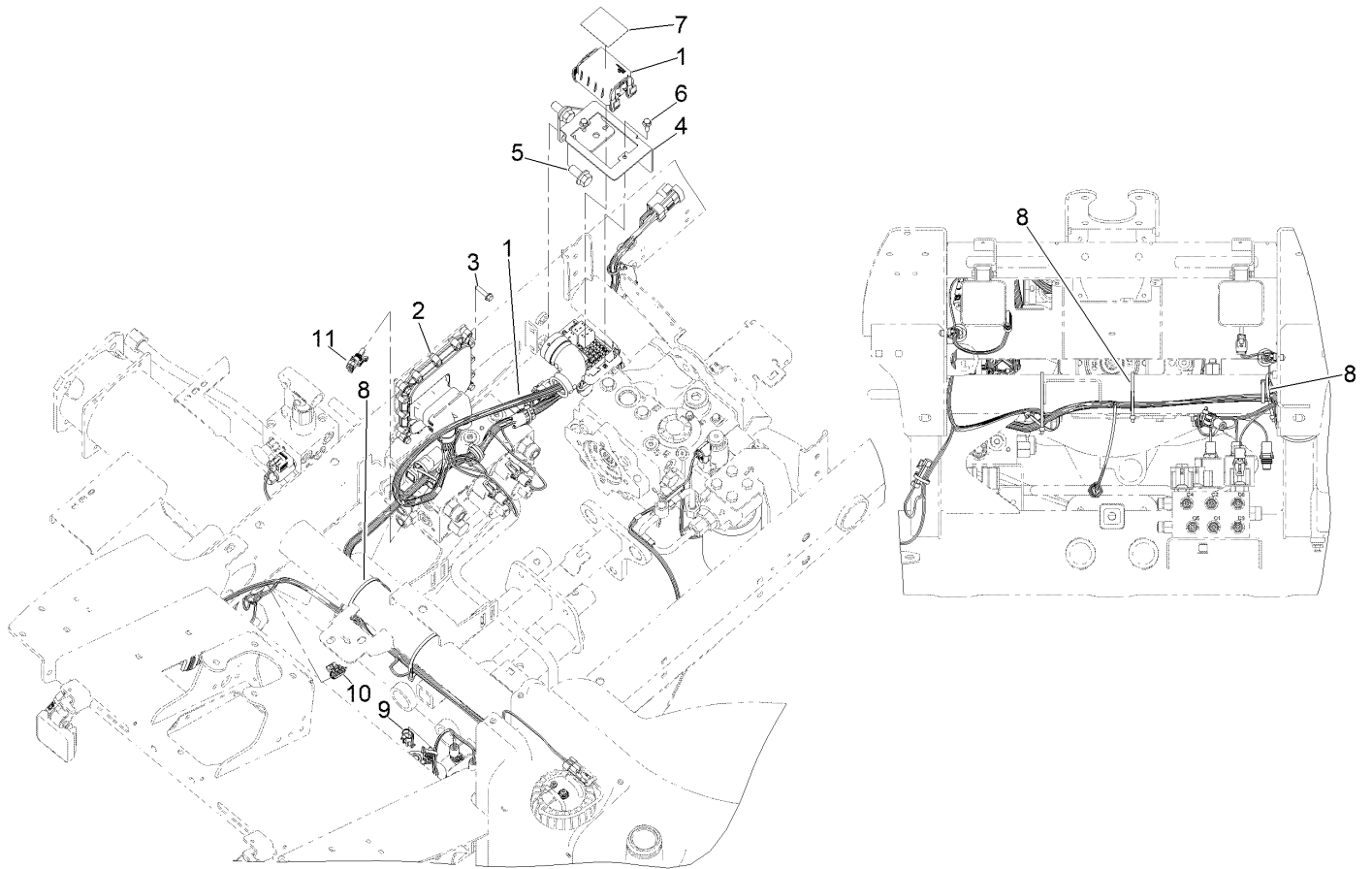
Ref.	Part Number	Qty.	Description
16	136-3515	2	Carrier Frame ASM
16:2	108-4000	2	Bushing
16:3	302-5	1	Fitting-Grease
17	32121-122	2	Pin-Roll
18	136-3568	4	Pin-Flag (Mach)
19	104-8300	4	Nut-HF, NI
20	322-4	4	Screw-HH
21	117-0118	4	Pivot ASM
21:2	108-8482	1	Bushing-Sleeve
22	323-11	8	Screw-HH
23	104-8301	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

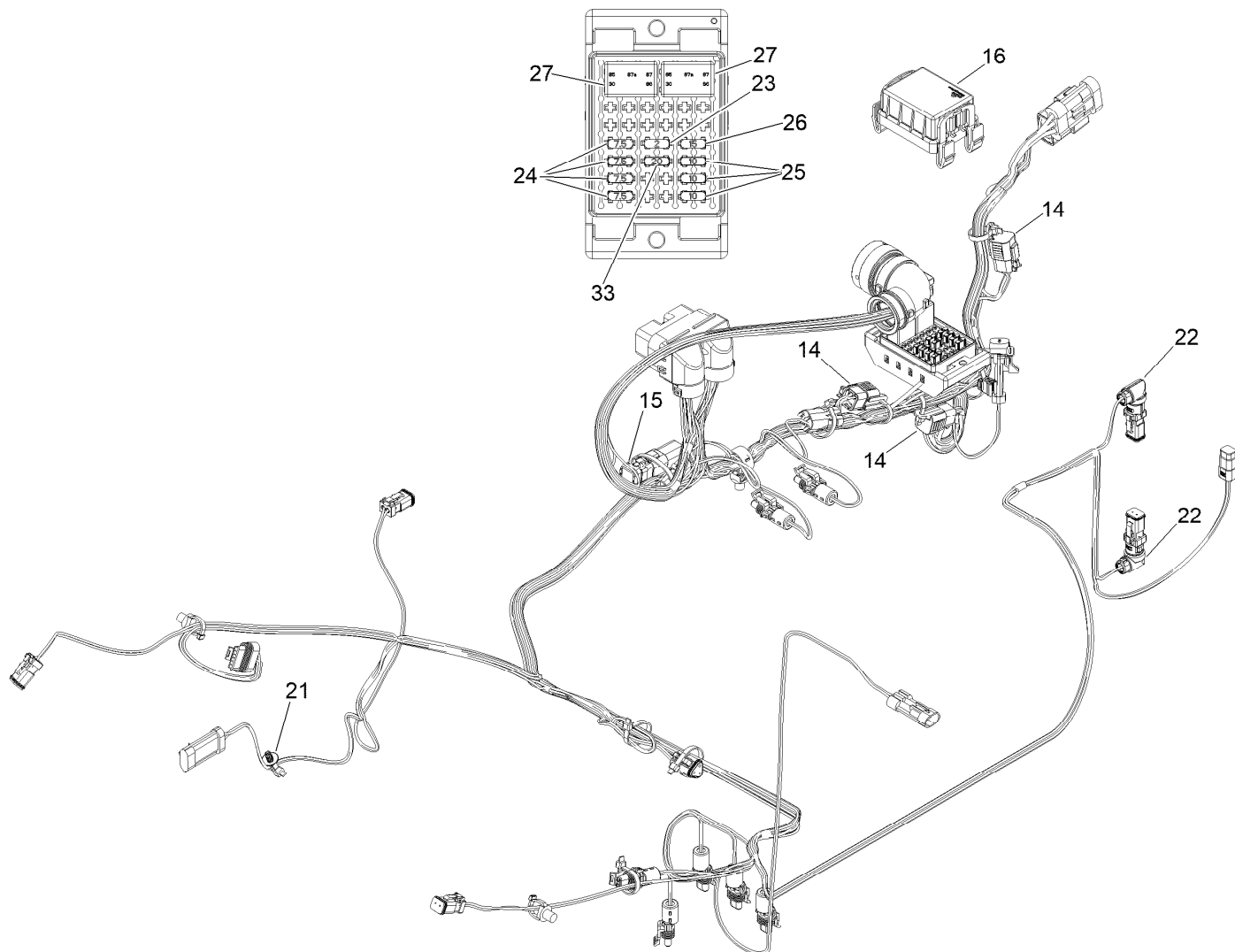
Ref.	Part Number	Qty.	Description
1	122-2126	1	Harness-Wire, Seat
1:14	32180-135	1	Nut-Connector
1:15	32180-143	1	Washer-Lock
2	3290-378	2	Tie-Cable
3	161-8398-03	1	Bracket-Hmu Mouting
4	161-9001	1	Gateway-Telematics
5	122-2163	1	Harness-Wire
5:3	121-8861	1	Fuse-Mini Blade, 2 Amp

Ref.	Part Number	Qty.	Description
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



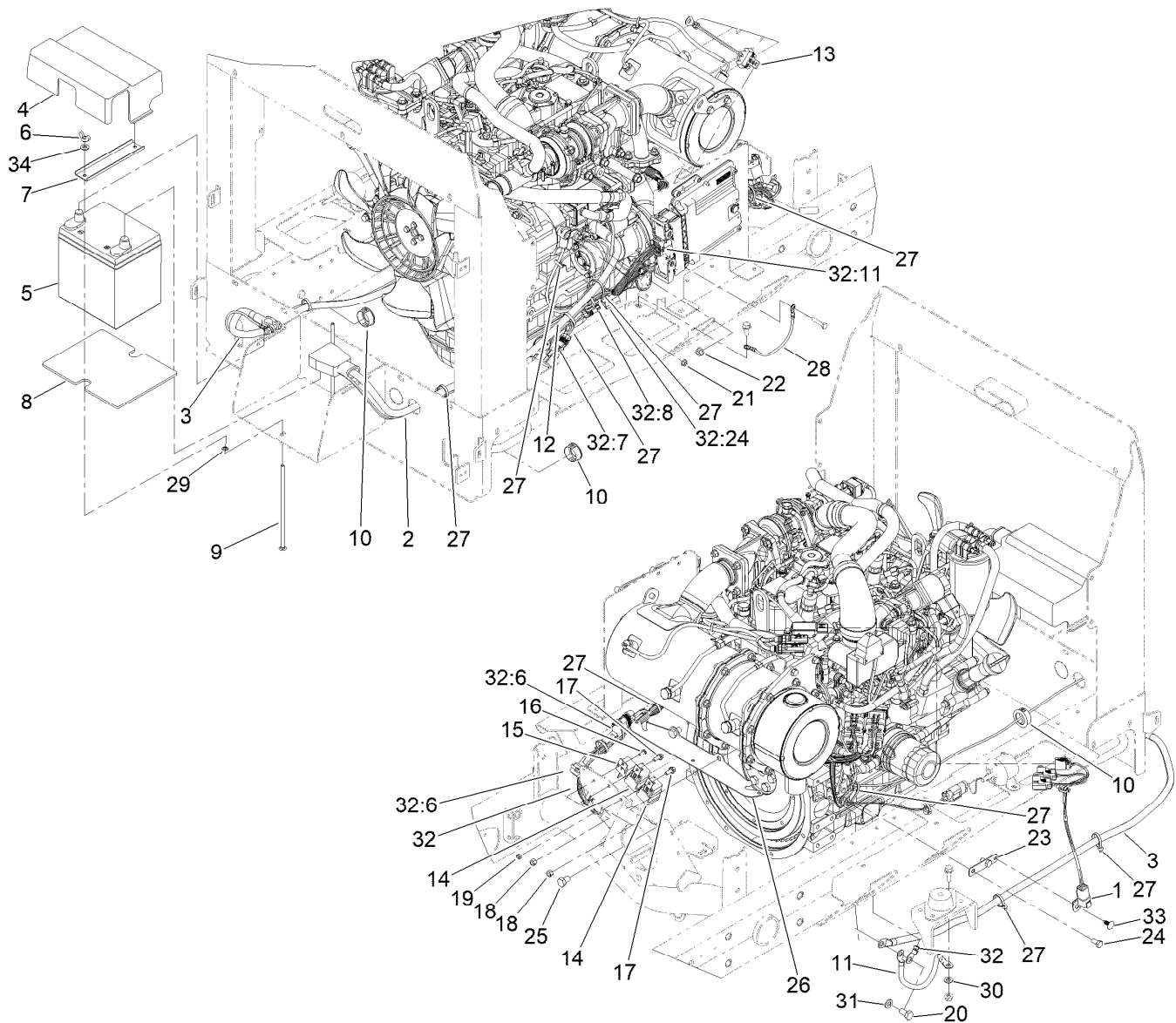
Main Wiring Harness Assembly

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

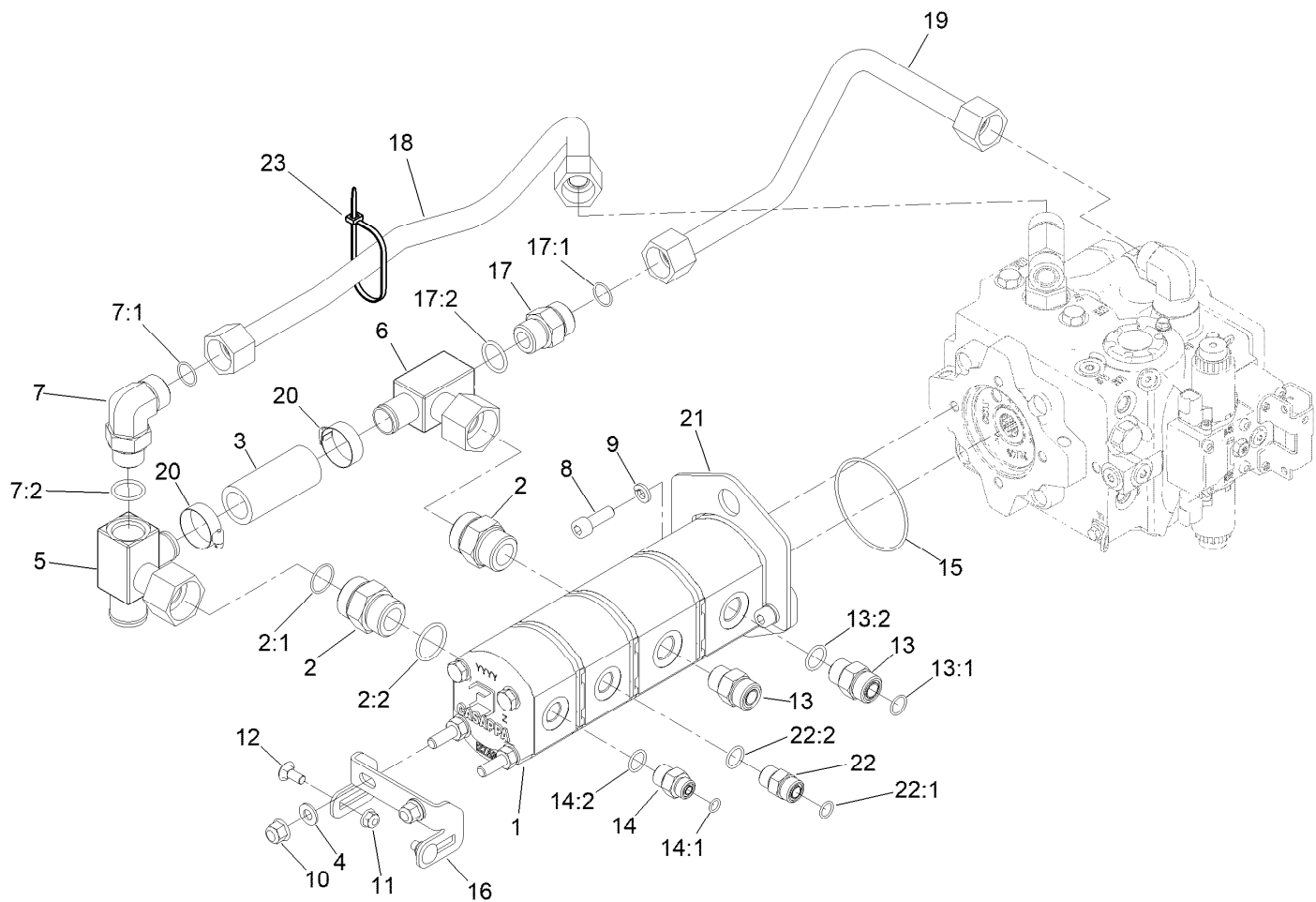
Ref.	Part Number	Qty.	Description
14	32180-156	3	Cap-Plug, 6 Way
15	122-1131	1	Conn, Capacitor-Sealed
16	32180-471	1	Cover-Chief, Bric
21	32180-400	1	Clip-Tie, Fir Tree W/Tie, 5MM/.196" Hole
22	32180-060	2	Backshell-Harnessflex, Dt06-2S 90 Degree
23	121-8861	1	Fuse-Mini Blade, 2 Amp
24	121-8865	4	Fuse-Mini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

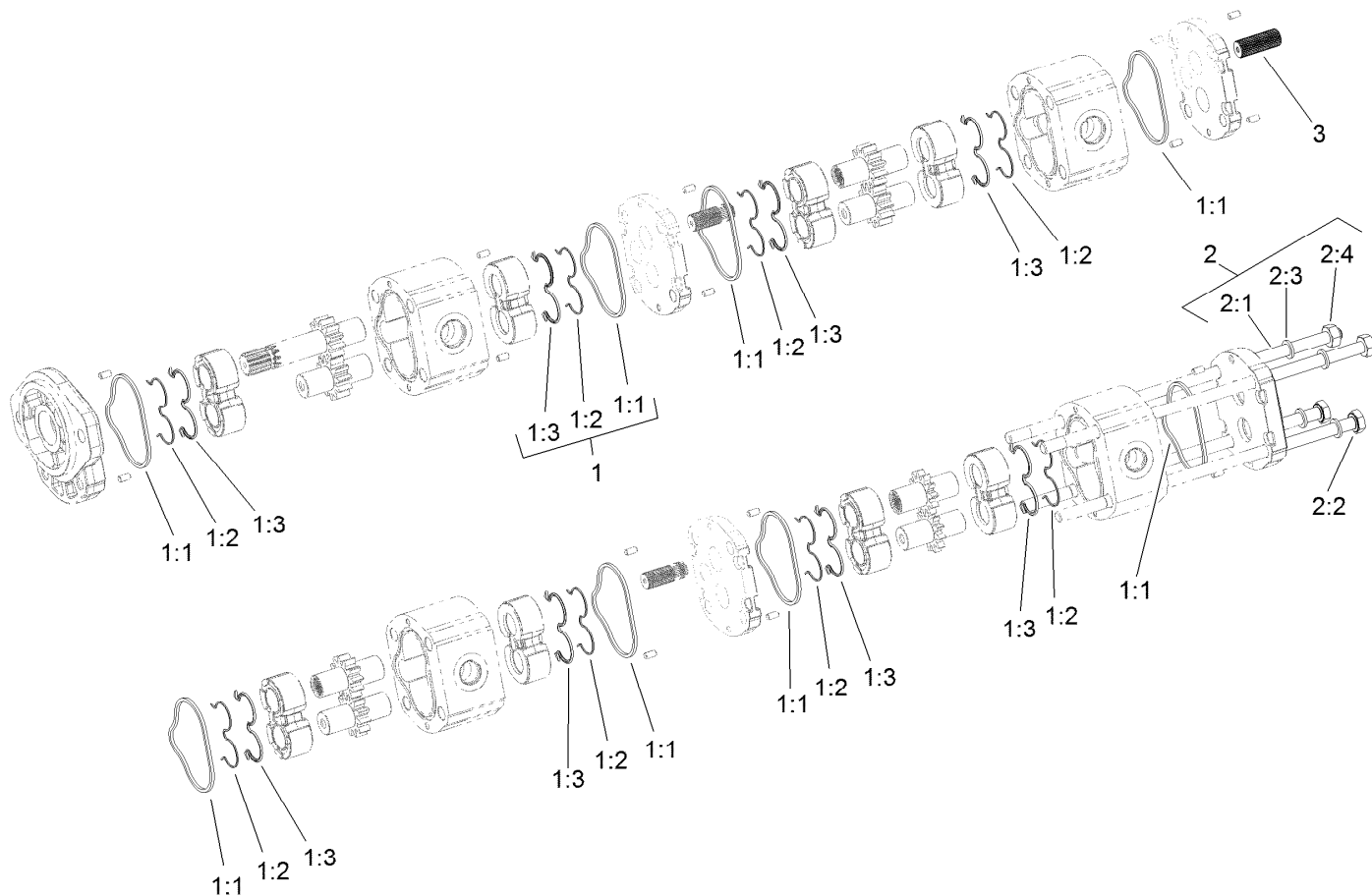
Ref.	Part Number	Qty.	Description
20	33115-020	1	Screw-HH
21	33003-00	1	Nut-HF
22	33004-00	1	Nut-HF
23	121-5636	1	Tab-Harness
24	33114-016	2	Screw-HH
25	33115-016	2	Screw-HH
26	132-9706-03	1	Bracket-Harness
27	3290-378	9	Tie-Cable
28	122-0058	1	Harness-Wire, Ground
29	32115-15	2	Nut-Push
30	120-9683	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

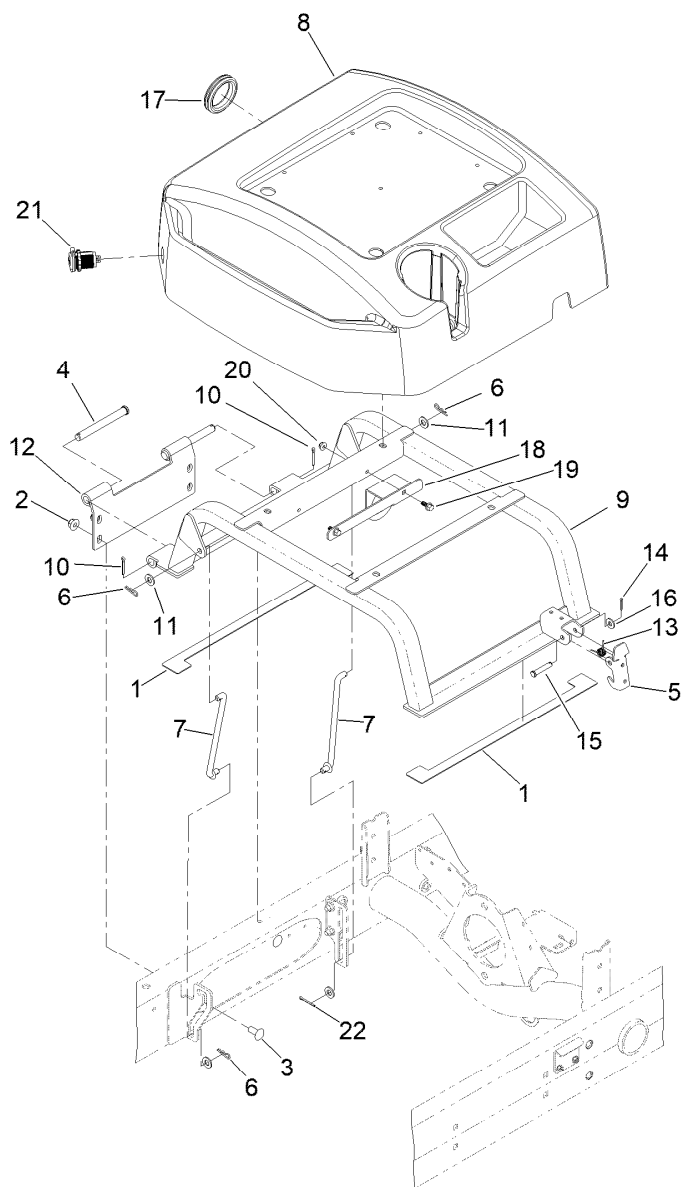
Ref.	Part Number	Qty.	Description
13:2	237-80	1	O-Ring
14	340-3	1	Fitting-Straight
14:1	237-22	1	O-Ring
14:2	237-79	1	O-Ring
15	237-161	1	O-Ring
16	133-2946-0P	1	Brkt-Gear Pump
17	340-9	1	Fitting-STR
17:1	237-58	1	O-Ring
17:2	237-81	1	O-Ring
18	145-2574	1	Hydraulic Tube ASM
19	145-2501	1	Tube ASM-Hydraulic
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

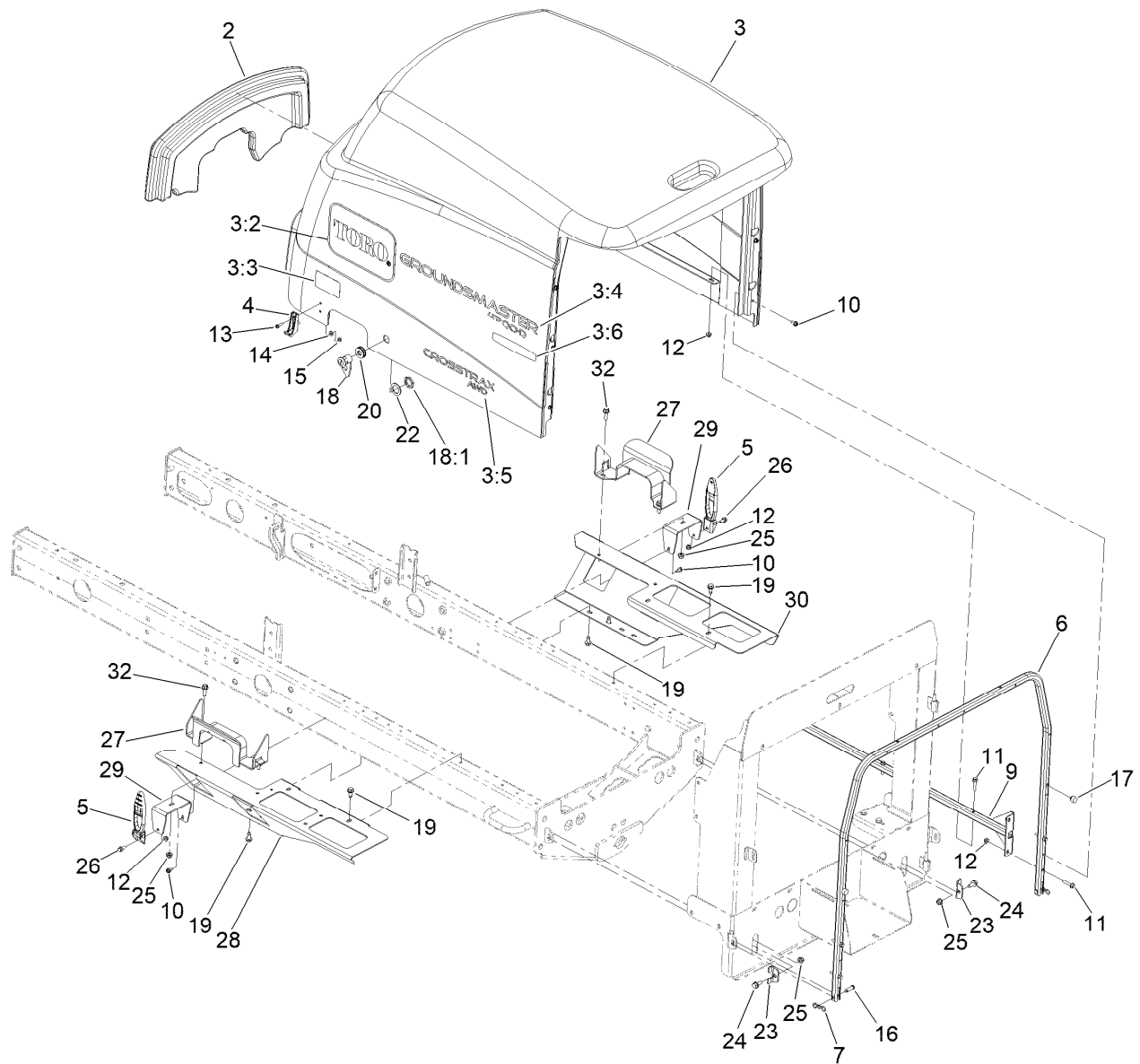
● Not serviced separately



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

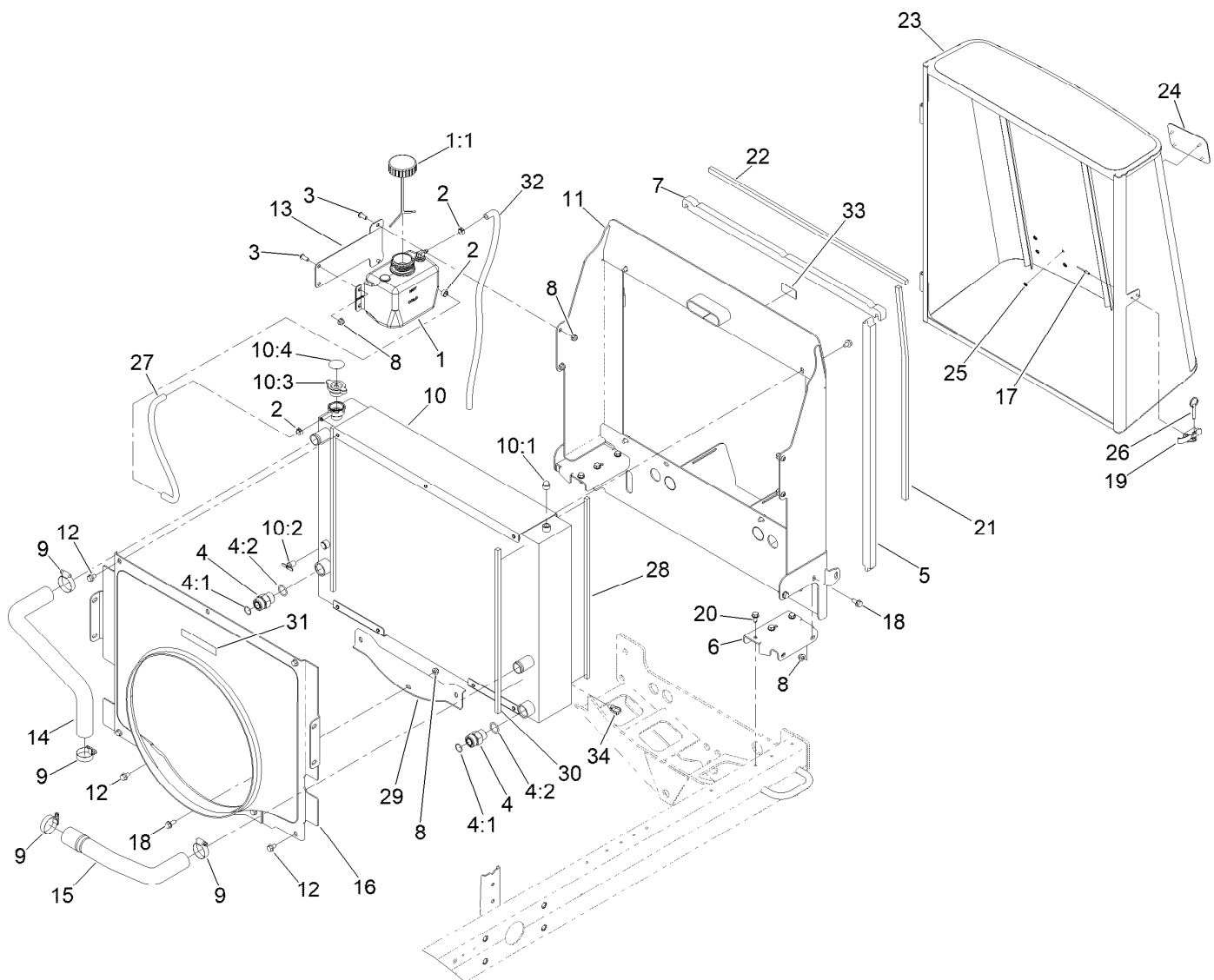
Ref.	Part Number	Qty.	Description
12	125-2121-03	1	Hinge-Seatbase
13	104-4821	1	Spring-Torsion
14	3272-6	1	Pin-Cotter
15	94-3829	1	Pin-Clevis
16	3256-2	1	Washer-Flat
17	240-12	1	Grommet-Rubber
18	145-2480-0P	1	Bracket-Harness
19	99-6810	2	Screw-HHF
20	104-7201	2	Nut-HF, NI
21	131-8388	1	Socket-USB
22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

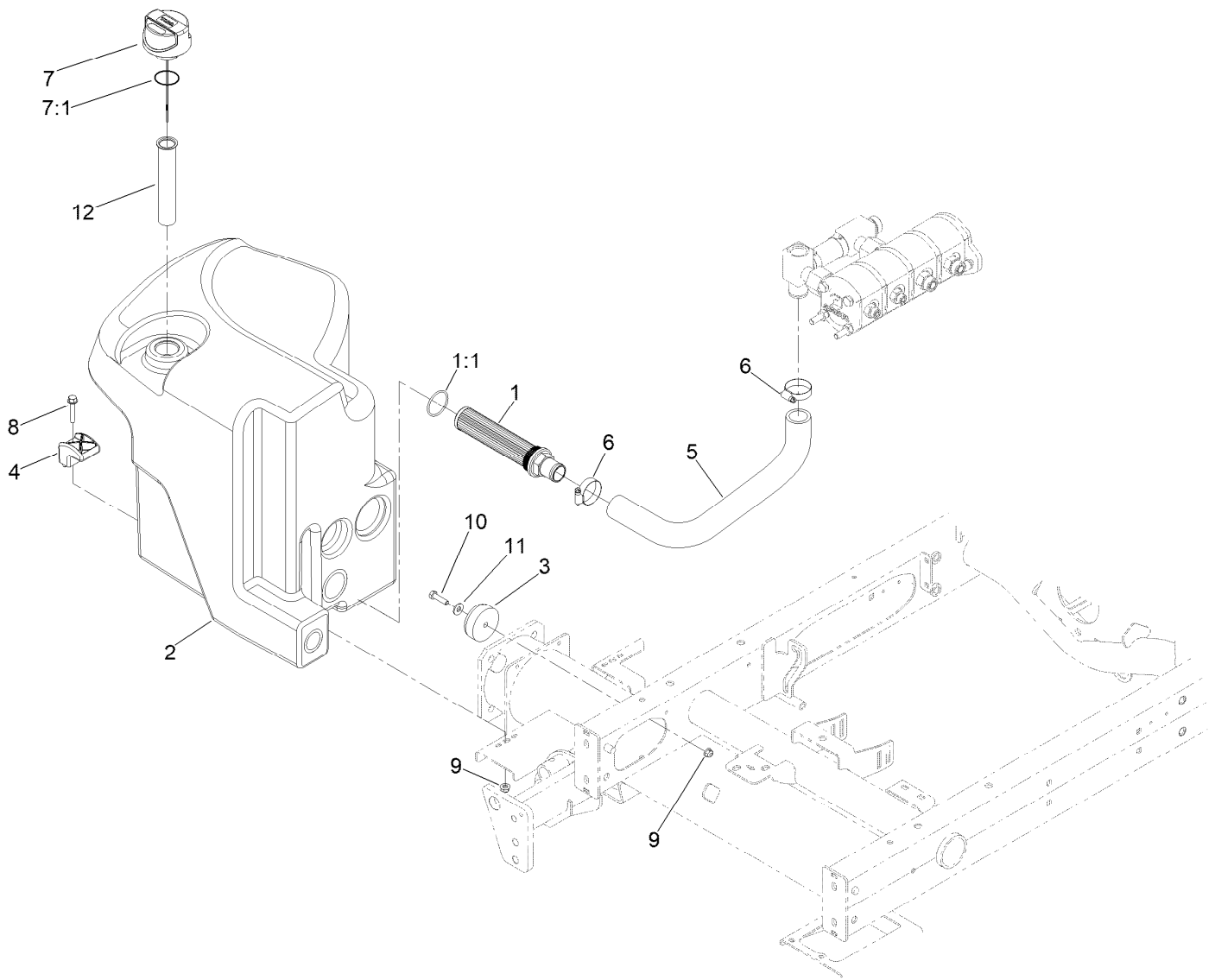
Ref.	Part Number	Qty.	Description
15	3296-12	4	Nut-Lock, NI
16	283-61	2	Pin-Yoke
17	107-8042	2	Bumper-Rubber
18	98-5398	1	Latch
18:1	3218-20	1	Nut-Jam
19	32104-32	6	Screw-HWH
20	104-1453	1	Grommet
22	99-4958	1	Spacer
23	110-8946	2	Clamp-Frame, Radiator
24	3234-5	2	Screw-HHF
25	104-8300	6	Nut-HF, NI
26	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

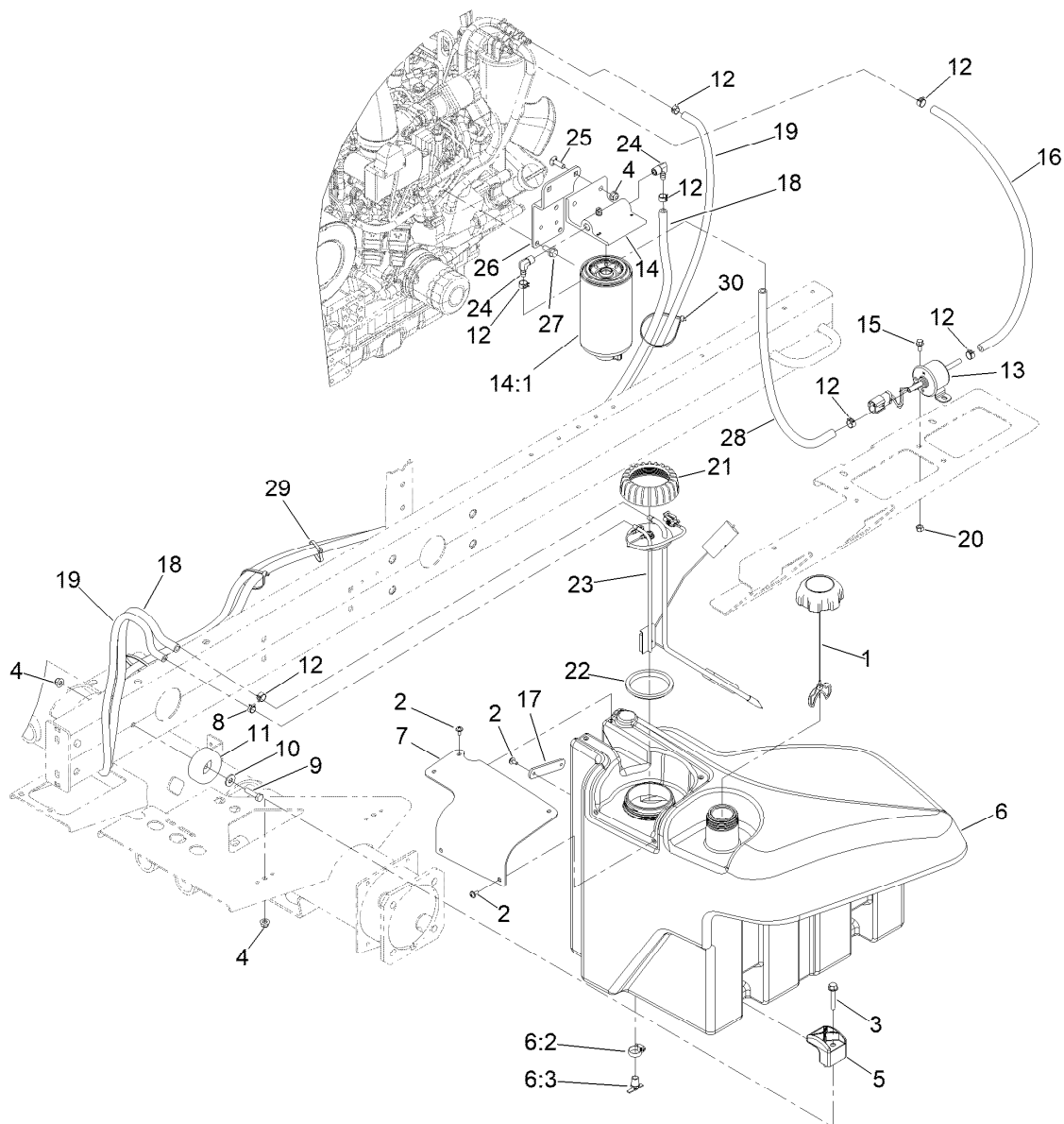
Ref.	Part Number	Qty.	Description
1	120-5573	1	Coolant Reservoir ASM
1:1	87-7050	1	Cap-Reservoir
2	92-2379	3	Clamp-Hose
3	3274-55	5	Screw-HSBH
4	340-9	2	Fitting-STR
4:1	237-58	1	O-Ring
4:2	237-81	1	O-Ring
5	121-5554	2	Seal-Foam
6	110-5310-0P	2	Bracket - Mounting
7	110-5276	2	Seal-Foam
8	104-8300	10	Nut-HF, 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-Reservoir

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

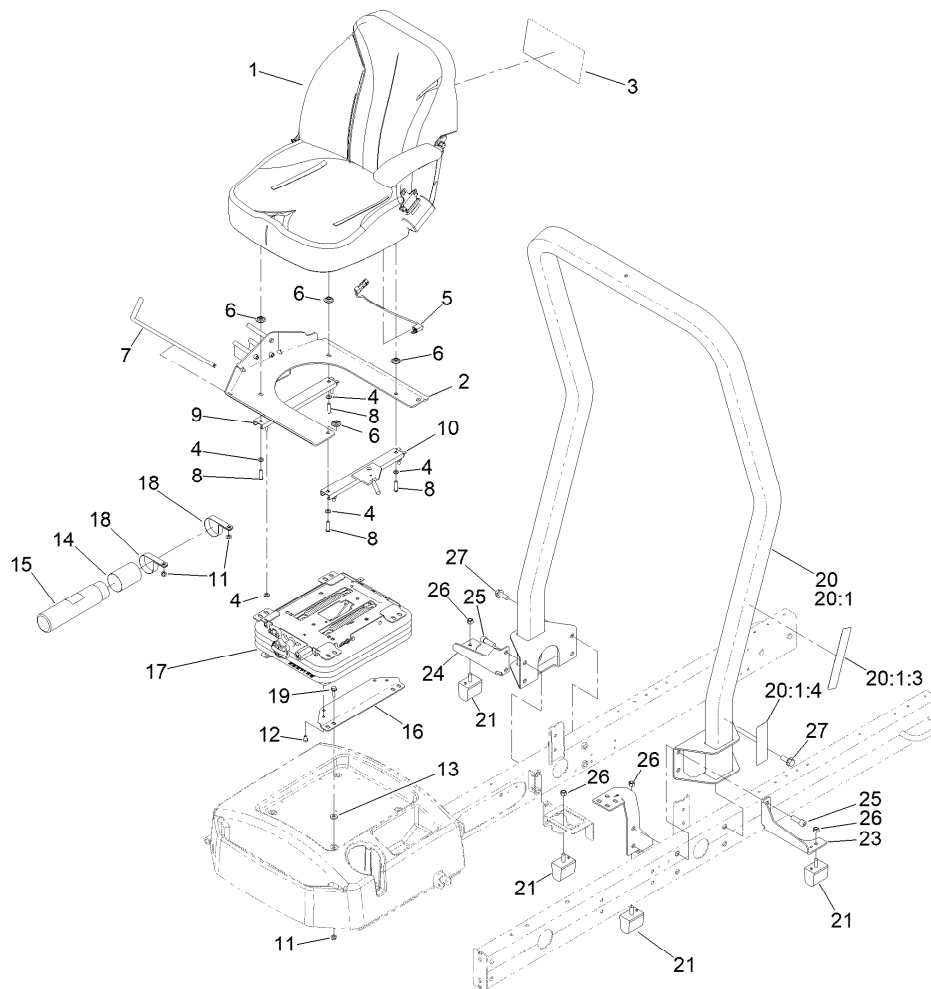
Ref.	Part Number	Qty.	Description
1	145-2463	1	Strainer-Tank, Hydraulic
1:1	340-136	1	O-Ring
2	145-2487	1	Tank-Hydraulic
3	108-1605	1	Bumper-Recess
4	107-4543	2	Clamp
5	144-2076	1	Hose-Suction
6	2412-3	2	Clamp-Hose
7	117-0193	1	Cap-Hydraulic, Vented Breather
7:1	237-101	1	O-Ring
8	94-5780	2	Screw-HWH
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

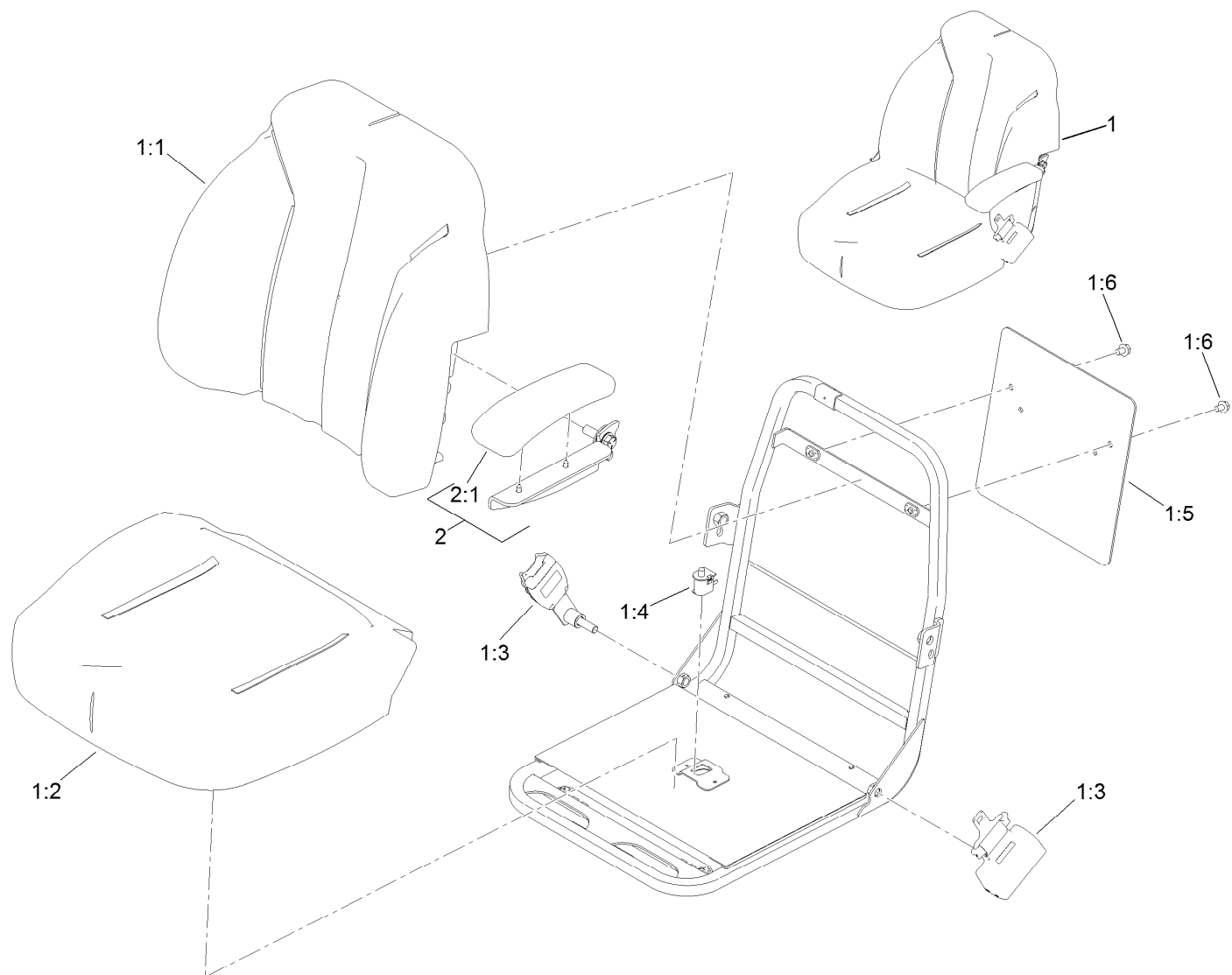


Seat Mount Assembly

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

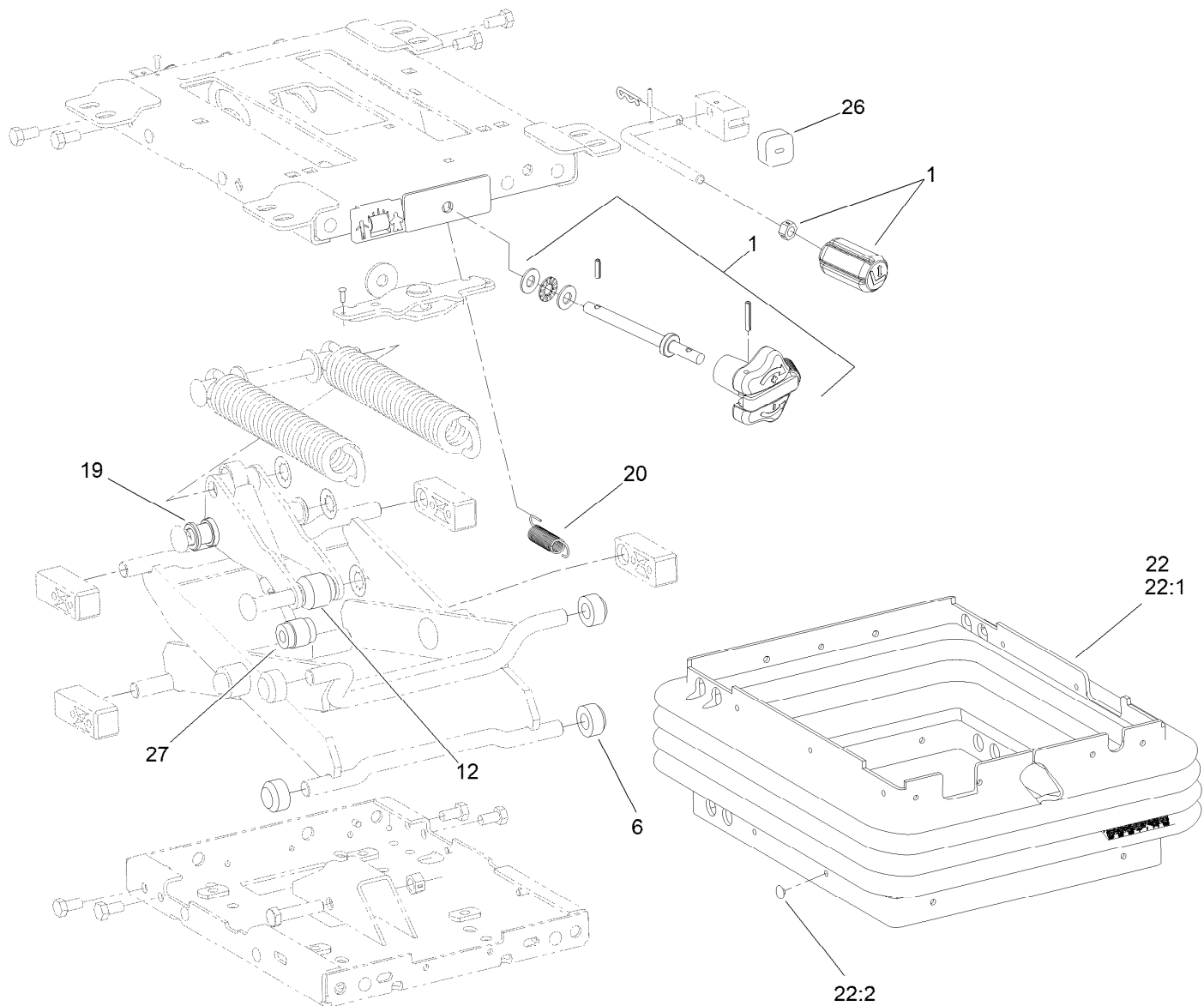
Ref.	Part Number	Qty.	Description
16	108-6590-0P	2	Bracket-Seat, Lower
17	145-5295	1	Suspension ASM
18	2412-133	2	Clamp-R
19	3234-17	4	Screw-HHF
20	136-7954	1	ROPS ASM
20:1		1	ROPS ASM ●
20:1:3	136-3702	1	Decal-Safety, ROPS
20:1:4	136-2159	1	Decal-Seat Service
21	87-3470	4	Bumper
23	117-0184-03	1	Bracket-Bumper, 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

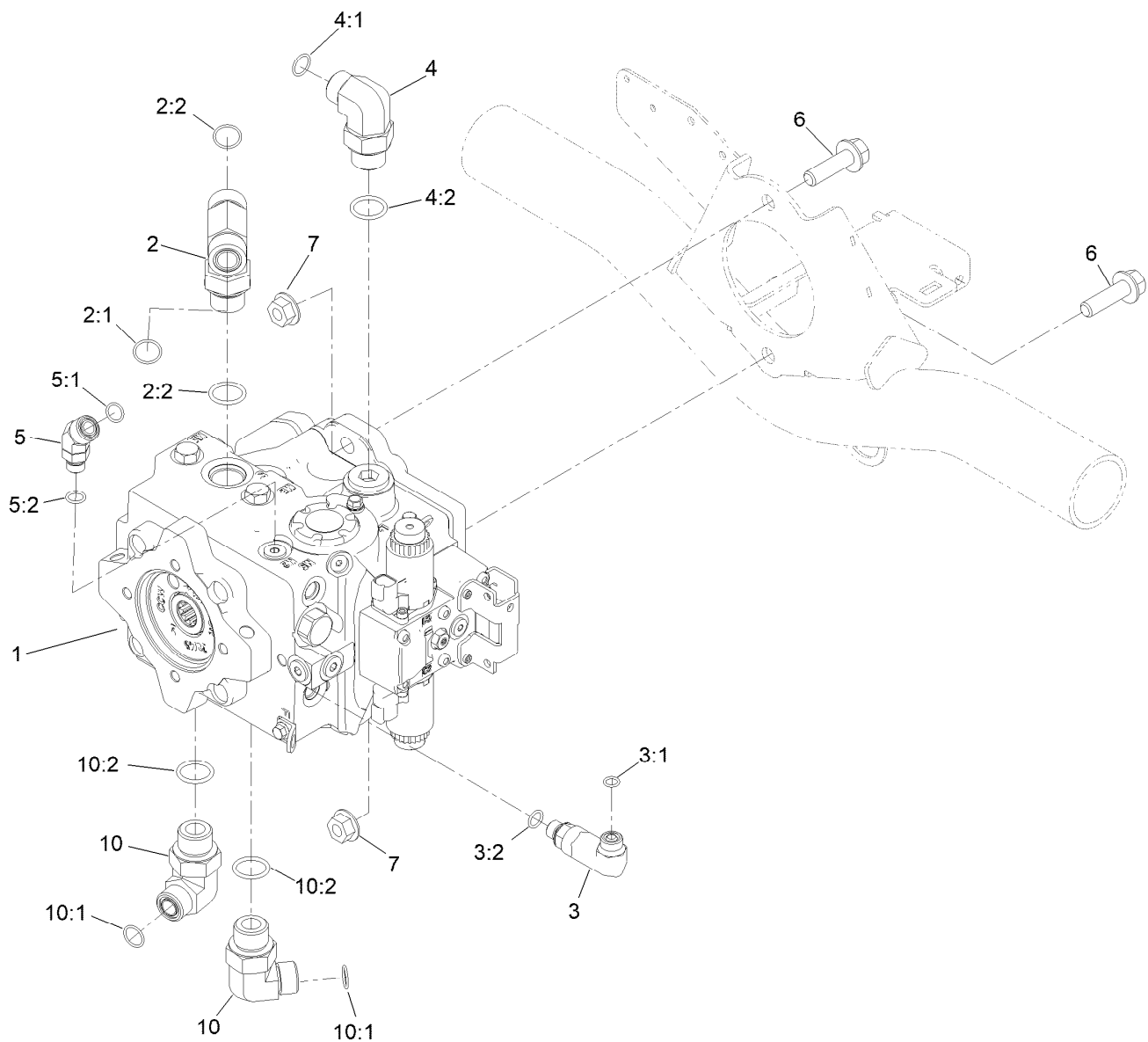
Ref.	Part Number	Qty.	Description
1	139-2680	1	Seat ASM
1:1	145-0083	1	Cover-Seat, Back
1:2	145-0084	1	Cover-Seat, Bottom
1:3	139-2707	1	Seat Belt Kit
1:4	82-2190	1	Switch-Bail
1:5	139-2701	1	Plate-Decal
1:6	3234-30	2	Screw-HHF
2	121-3660	1	LH Arm Rest Kit
2:1	110-4163	1	Cushion-Rest, Arm



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

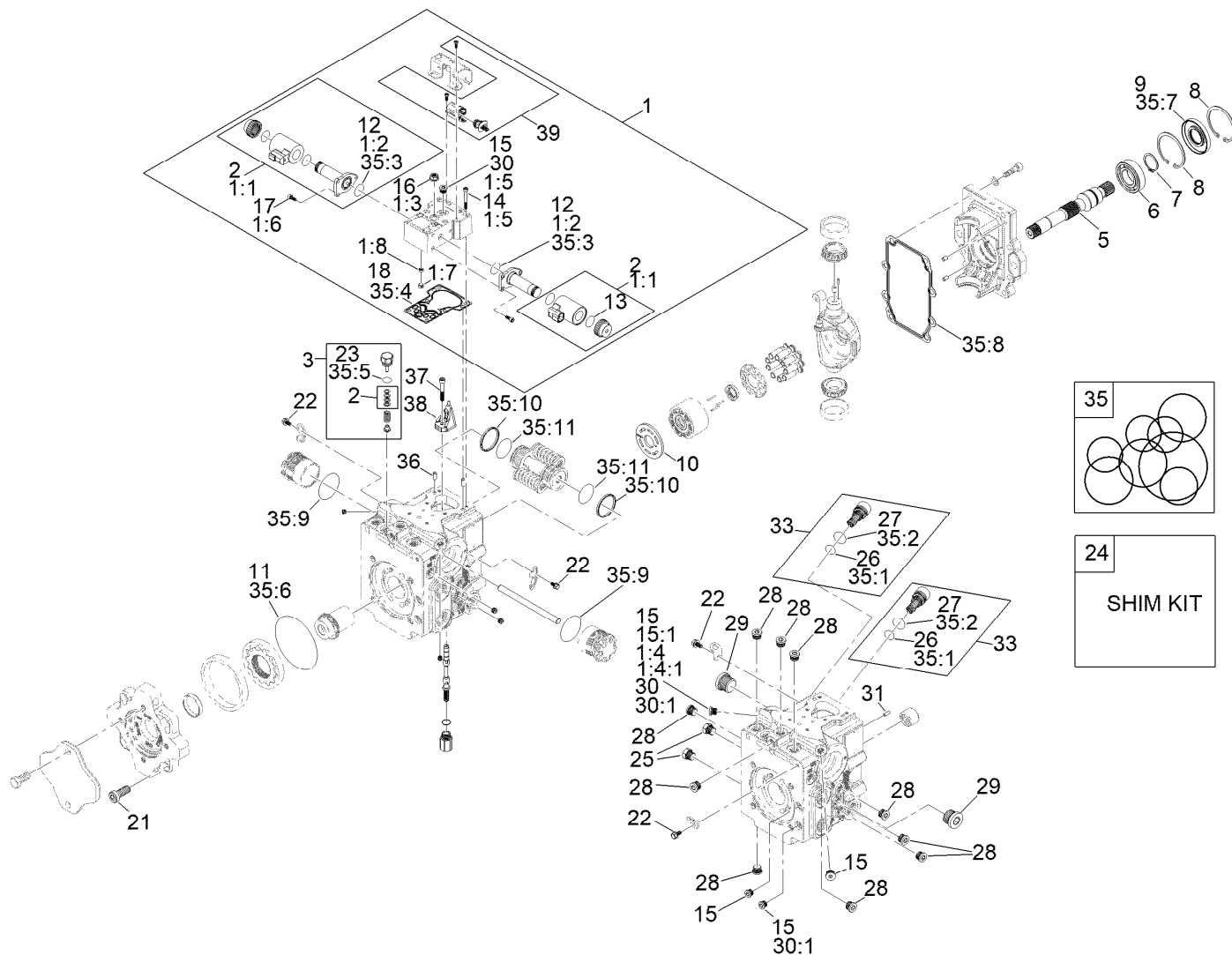
● Not serviced separately



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



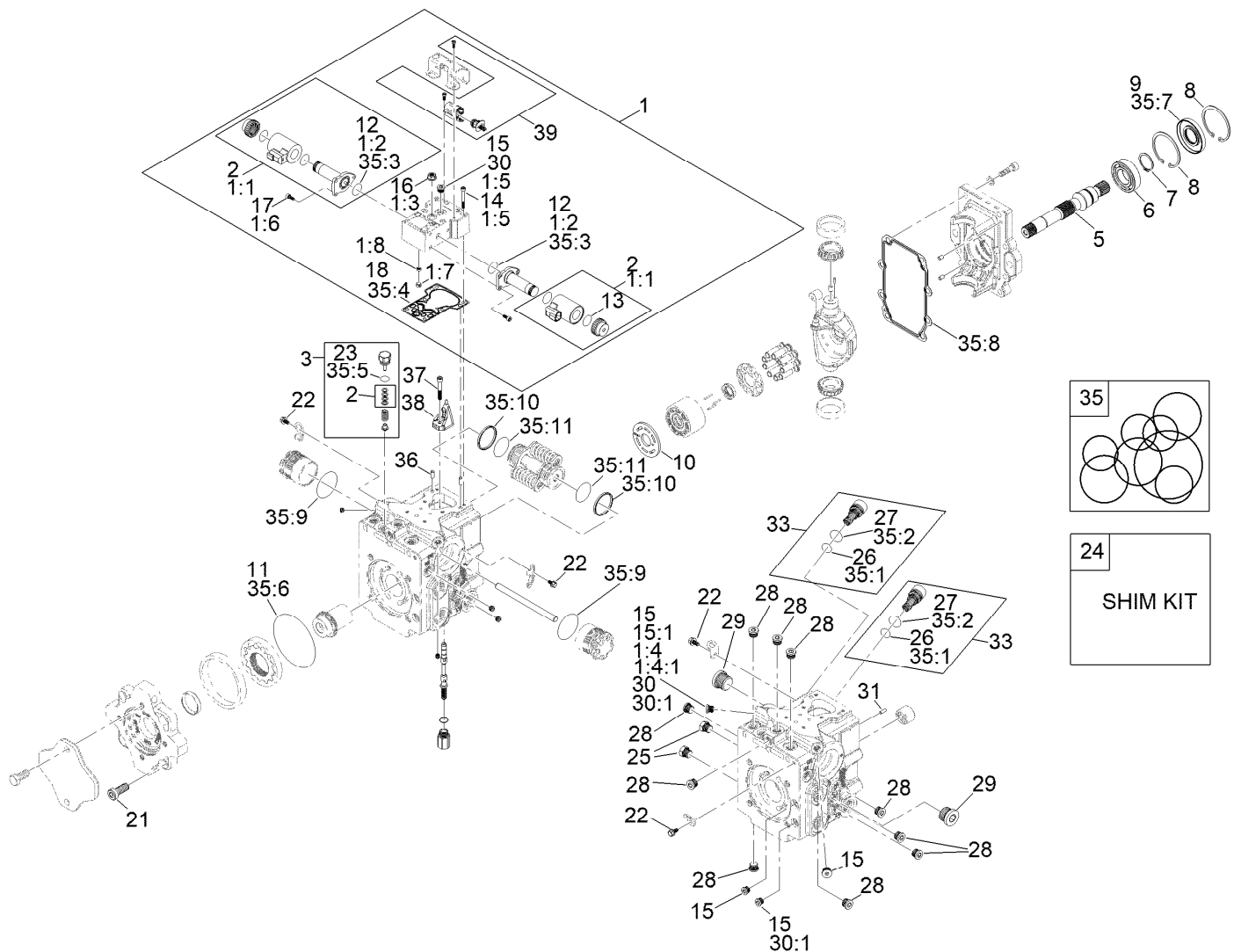
Hydraulic Pump Assembly No. 144-2060

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

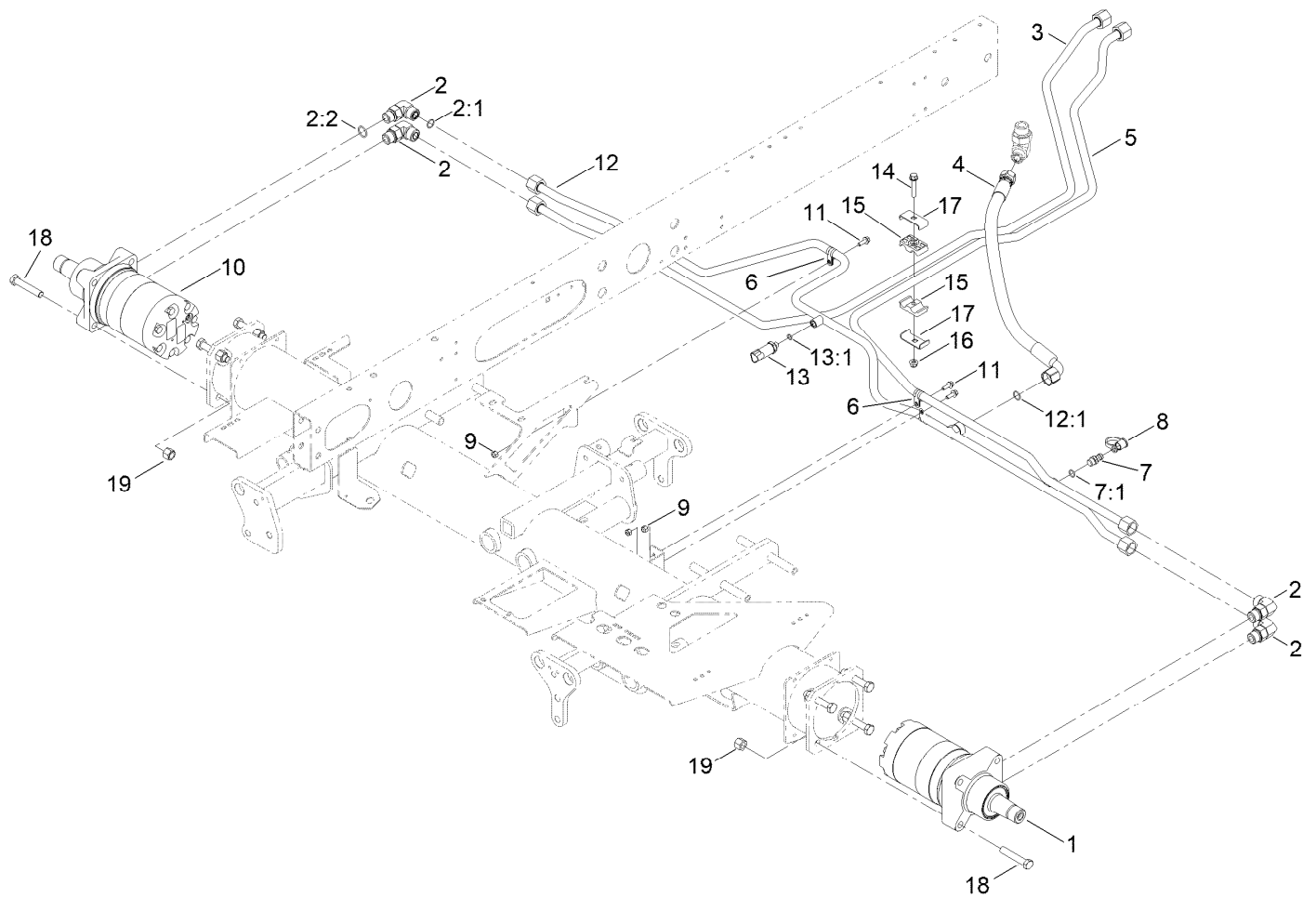


Hydraulic Pump Assembly No. 144-2060 (continued)

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

● Not illustrated

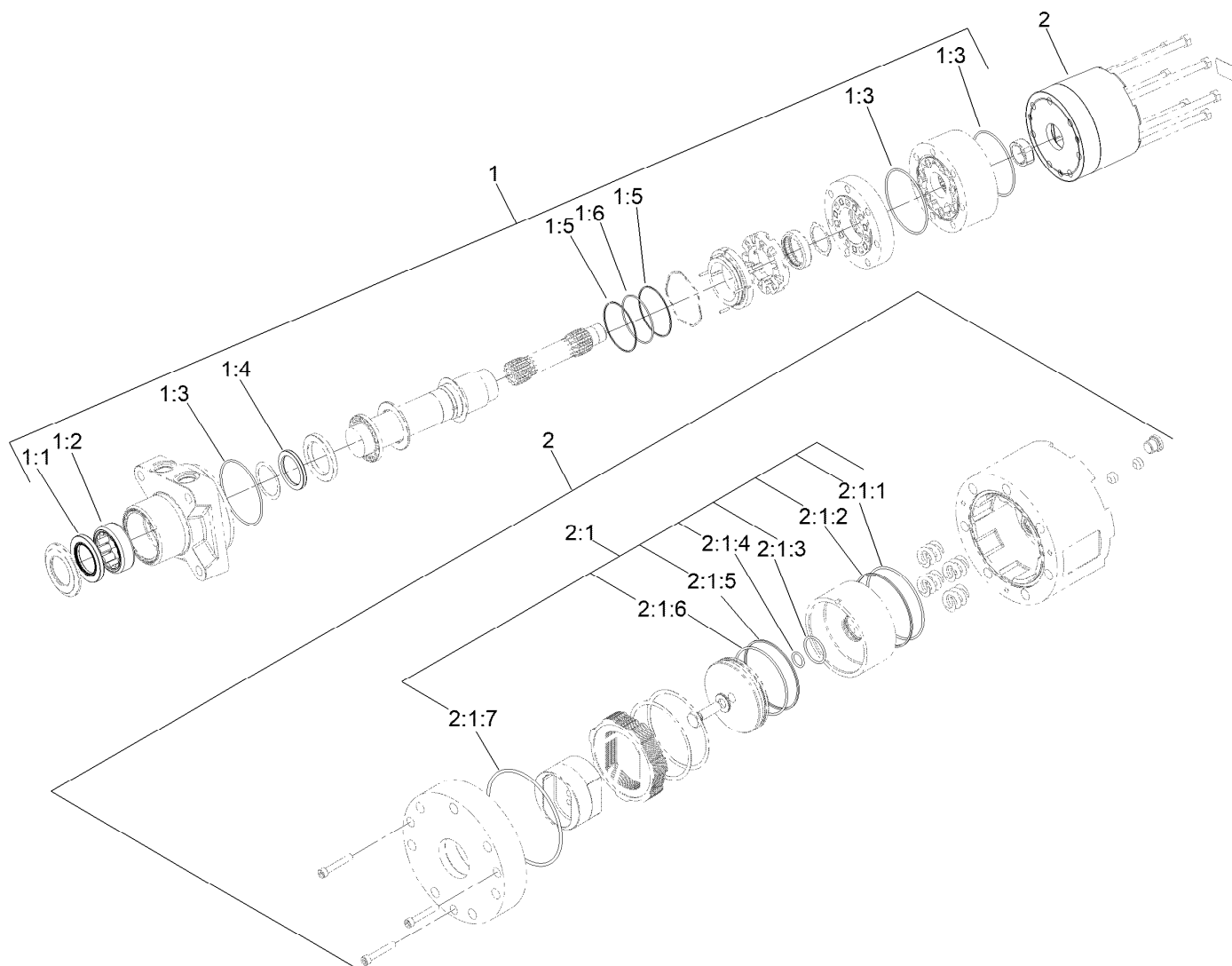
■ Not serviced separately



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

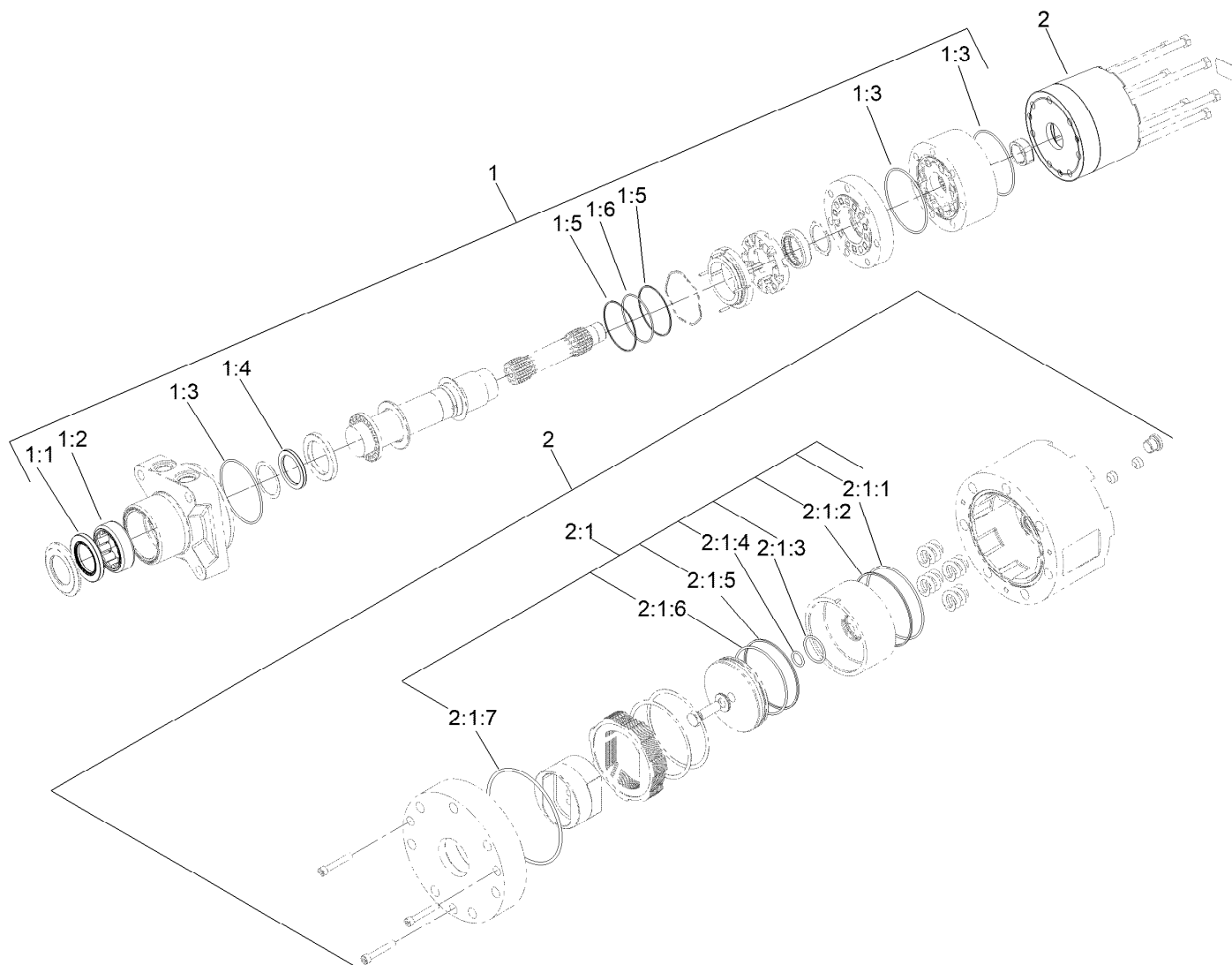


Hydraulic Motor Assembly No. 163-3542

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

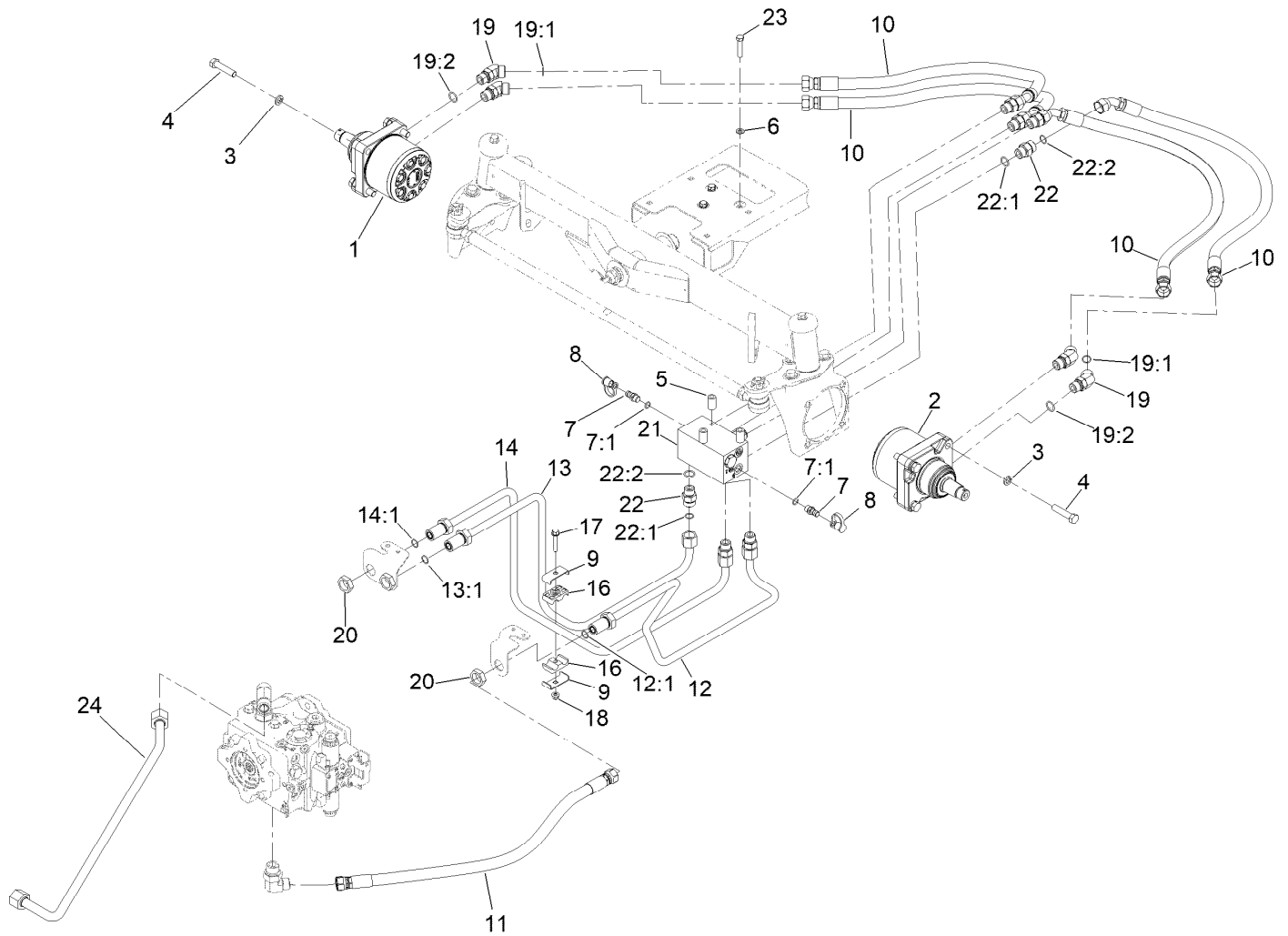


Hydraulic Motor Assembly No. 163-3543

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 ●

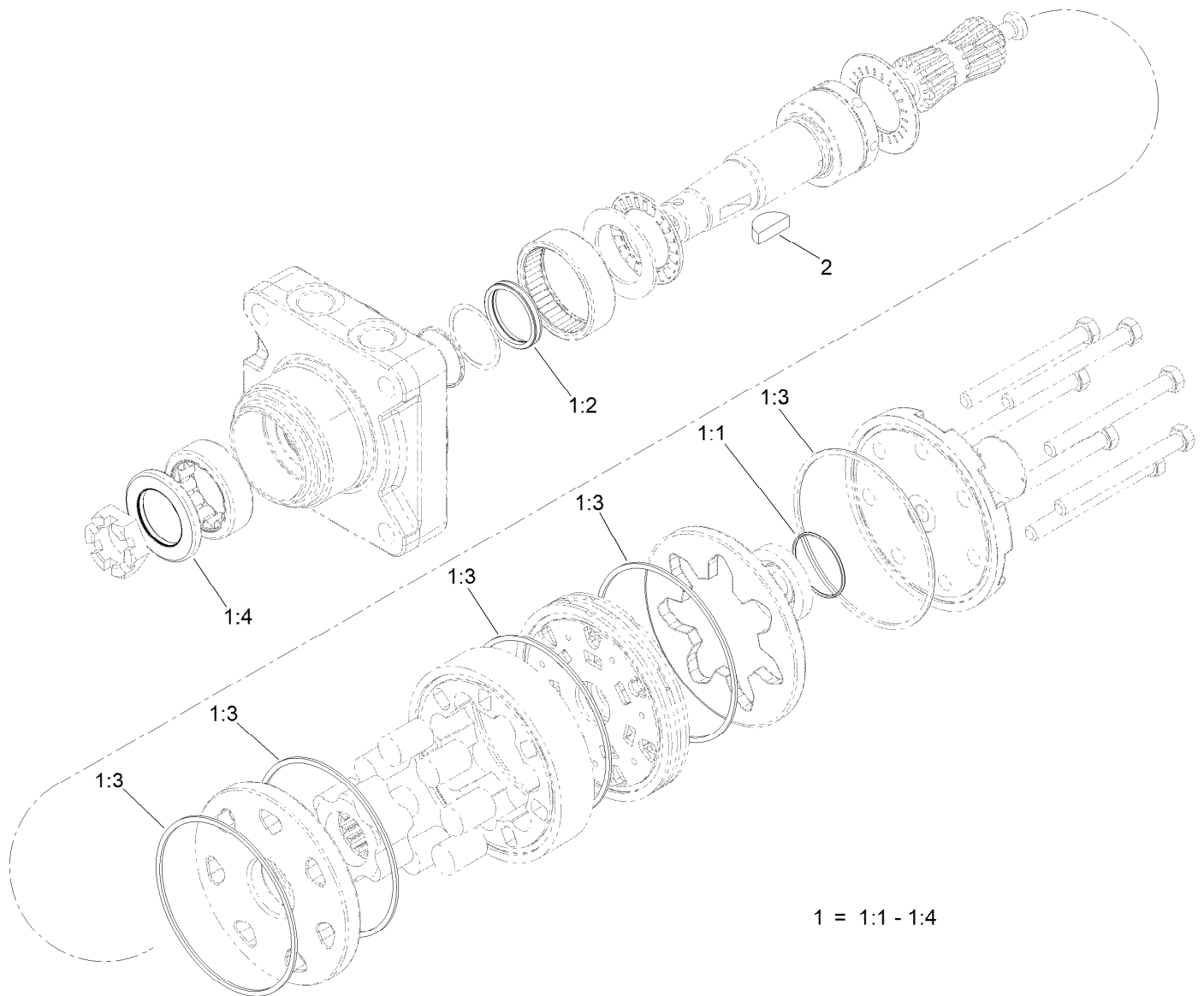
● Not illustrated



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

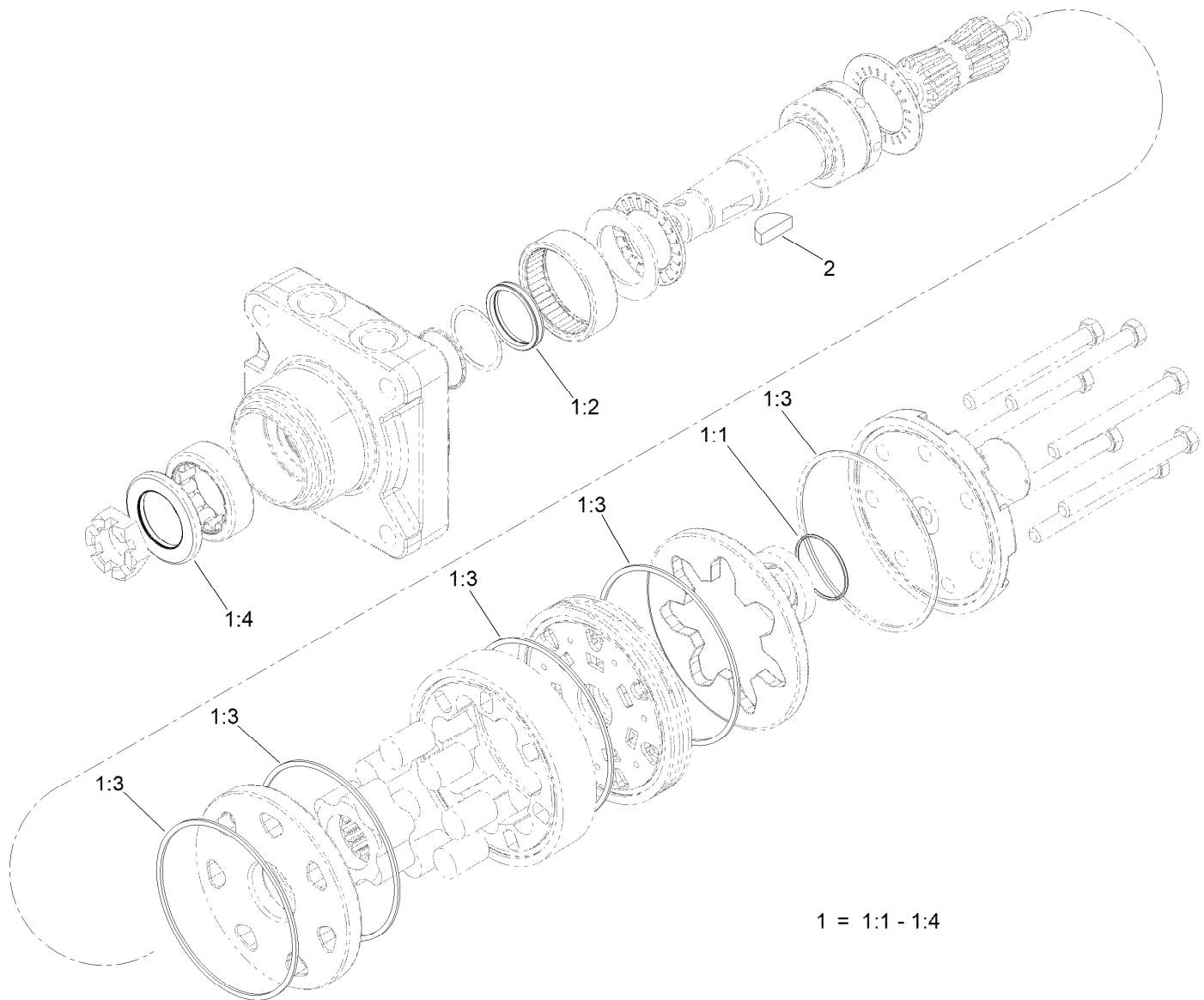


Hydraulic Motor Assembly No. 138-0436

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 illustrated

■ Not serviced separately

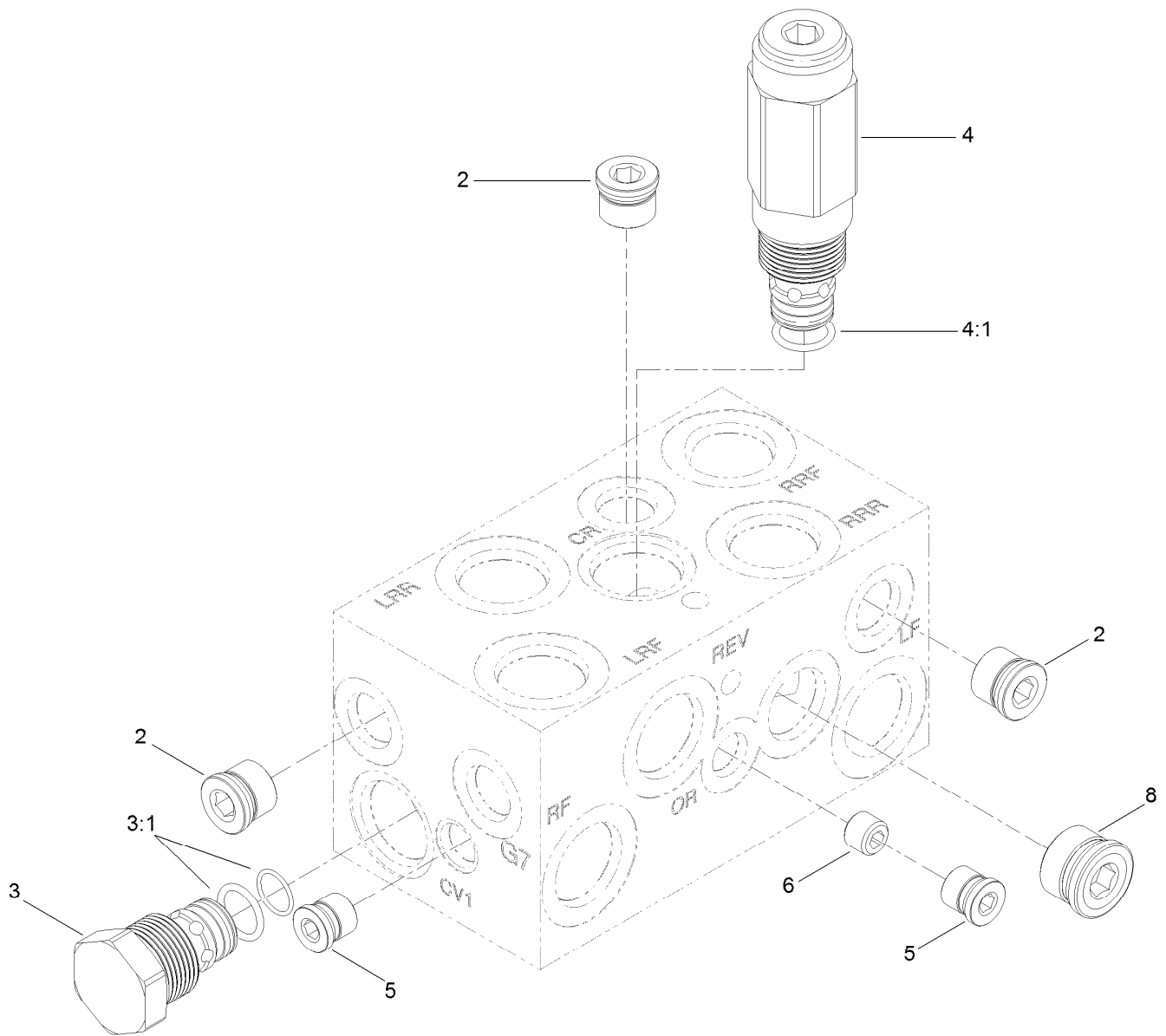


Hydraulic Motor Assembly No. 138-0435

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 illustrated

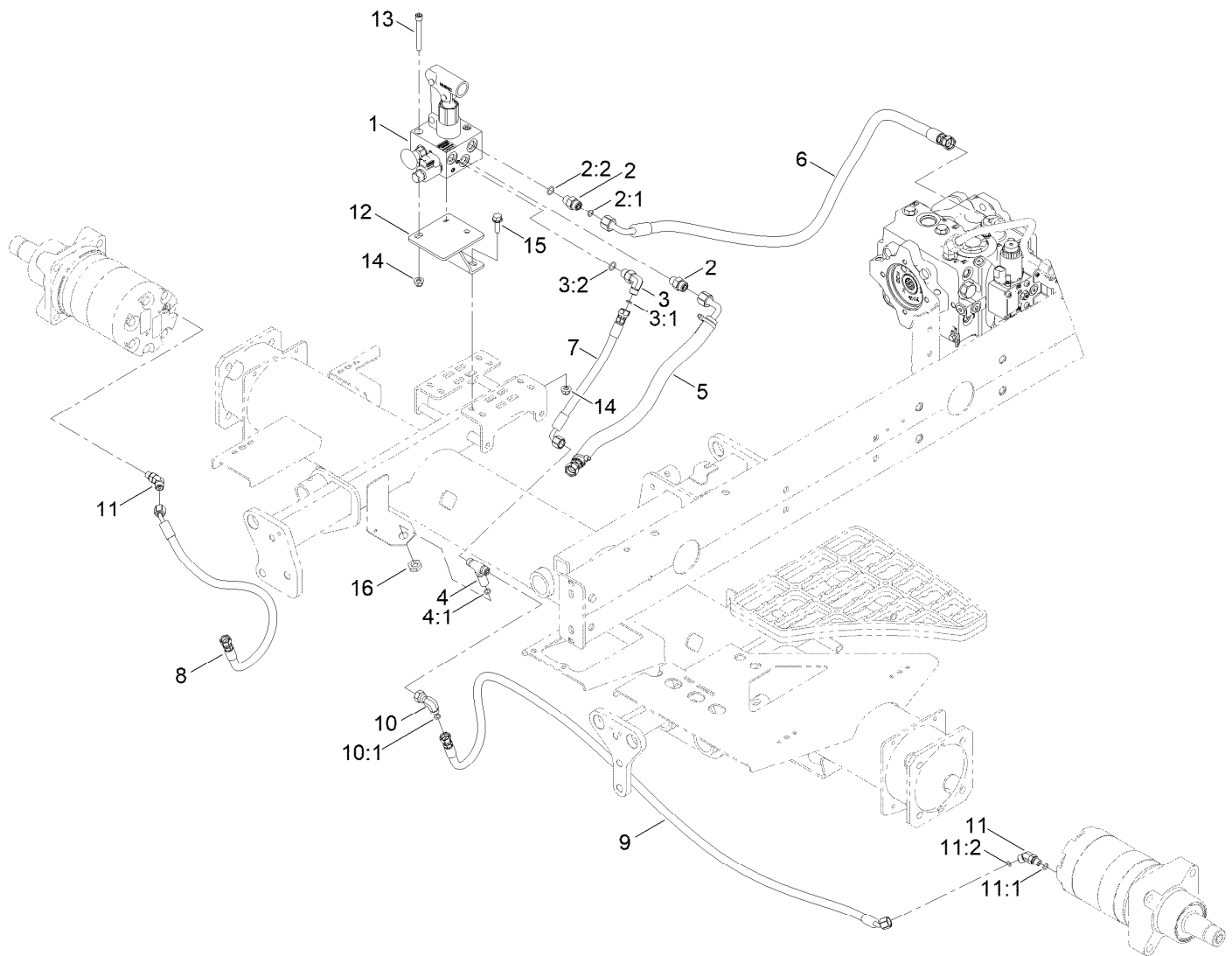
■ Not serviced separately



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

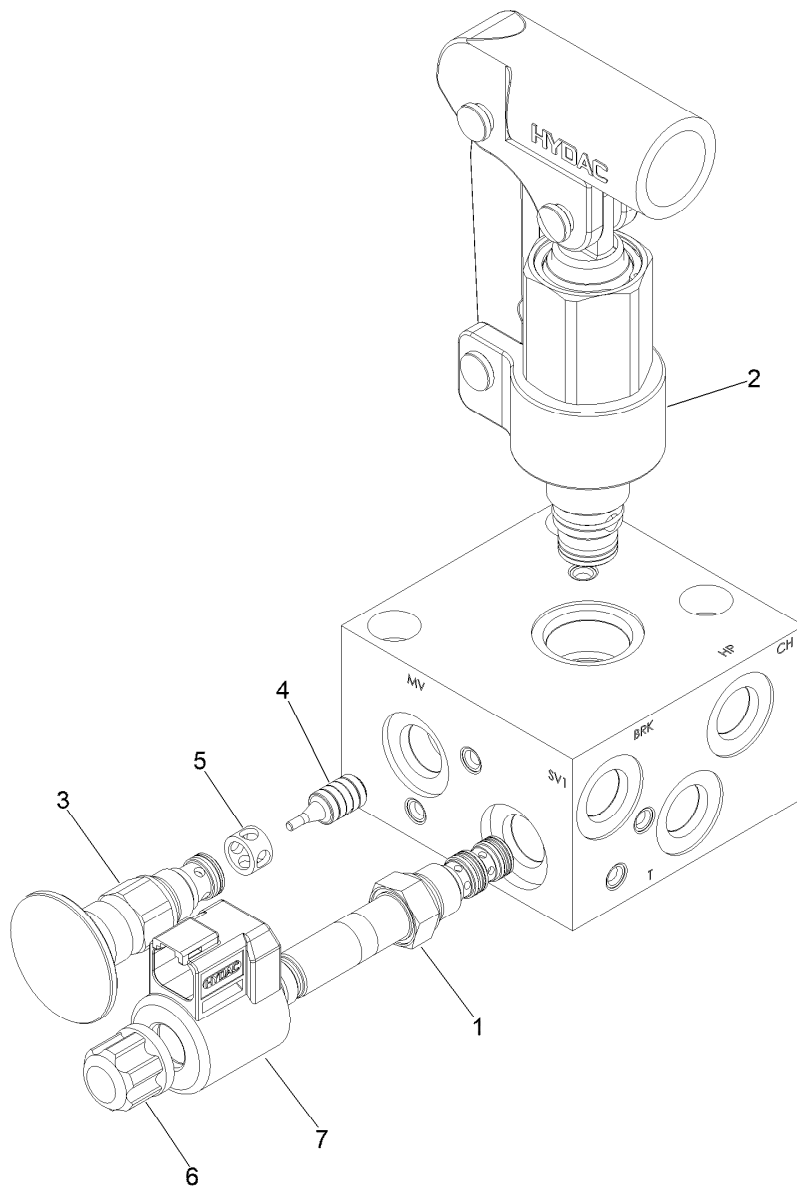
● Not illustrated



Hydraulic Brake Assembly

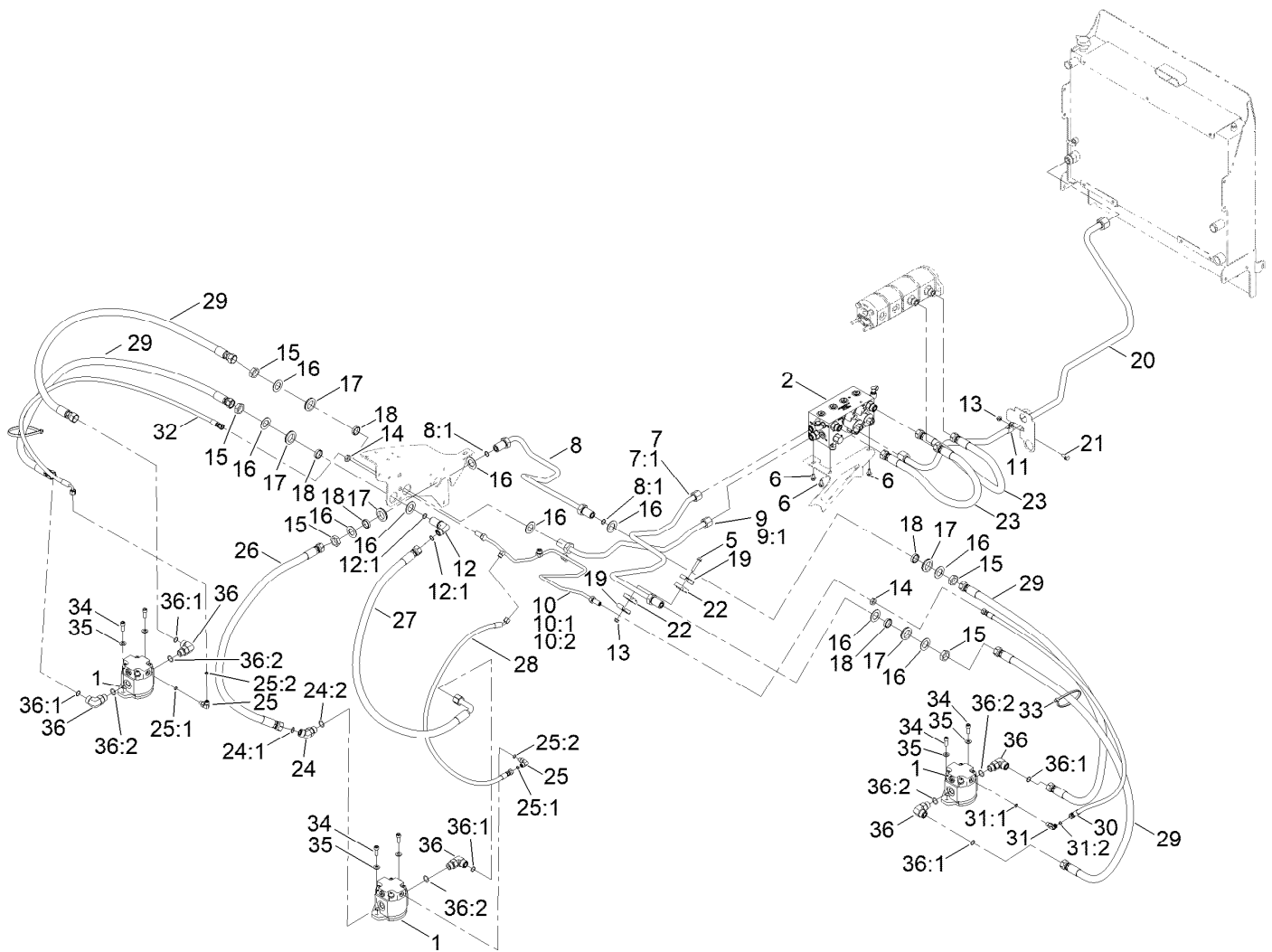
Ref.	Part Number	Qty.	Description
1	139-6046	1	Manifold-Brake Release
2	340-2	2	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	340-82	1	Fitting-Elbow, 90 DEG
3:1	237-42	1	O-Ring
3:2	237-21	1	O-Ring
4	140-7452	1	Fitting-Tee, Bulkhead
4:1	237-21	3	O-Ring
5	163-3508	1	Hose ASM-HYD
6	145-2455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

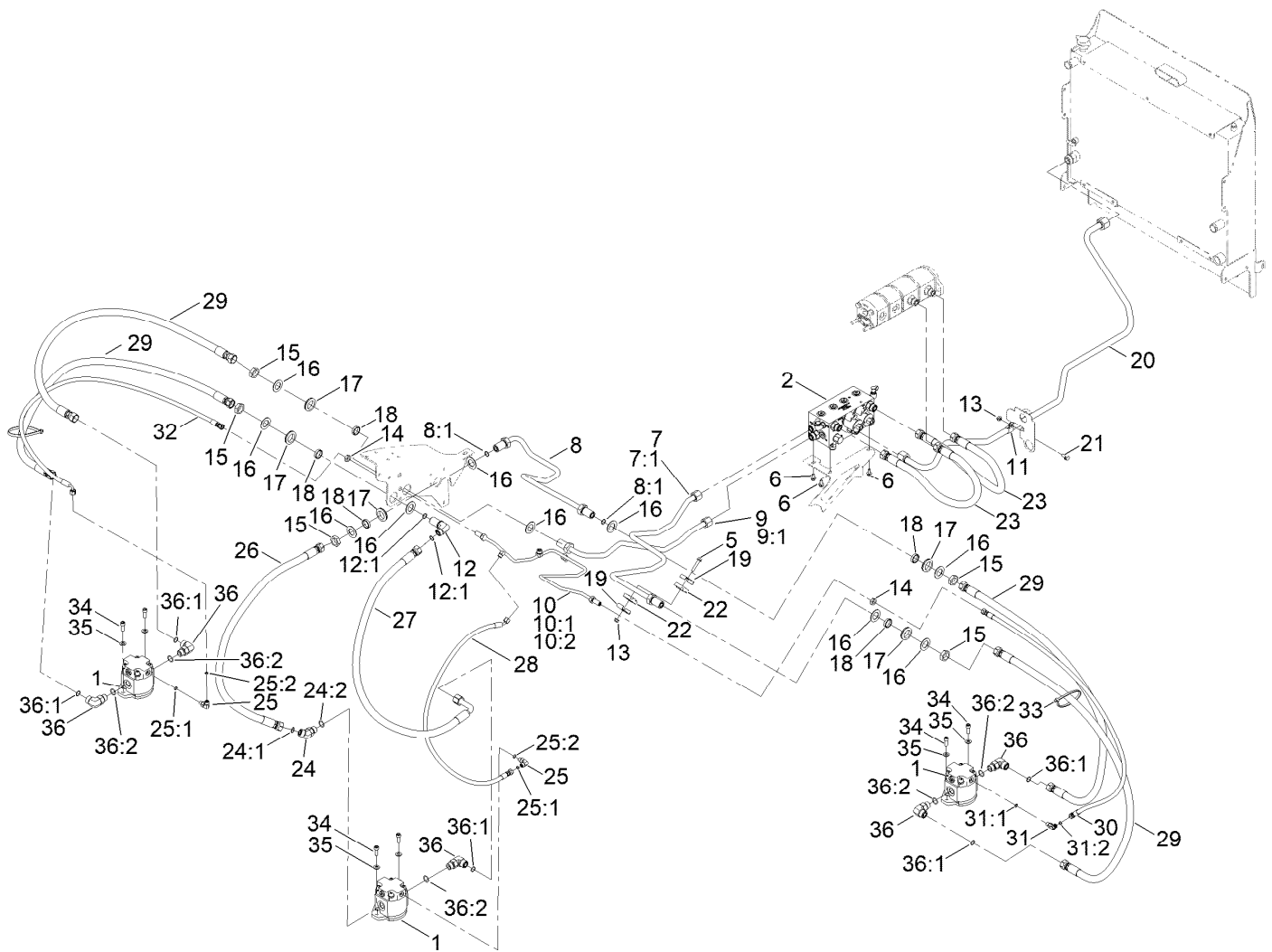
Ref.	Part Number	Qty.	Description
1	145-2563	1	Directional Valve, 3W/2P
2	145-2564	1	Hand Pump
3	145-2565	1	Manual Valve, N.O.
4	145-2566	1	Pilot Piston Assy, Rvs06
5	145-2567	1	Spacer
6	145-2569	1	Coil Nut, Tall (06 Valves)
S1	145-2568	1	Coil 12Dn01-32-1329



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

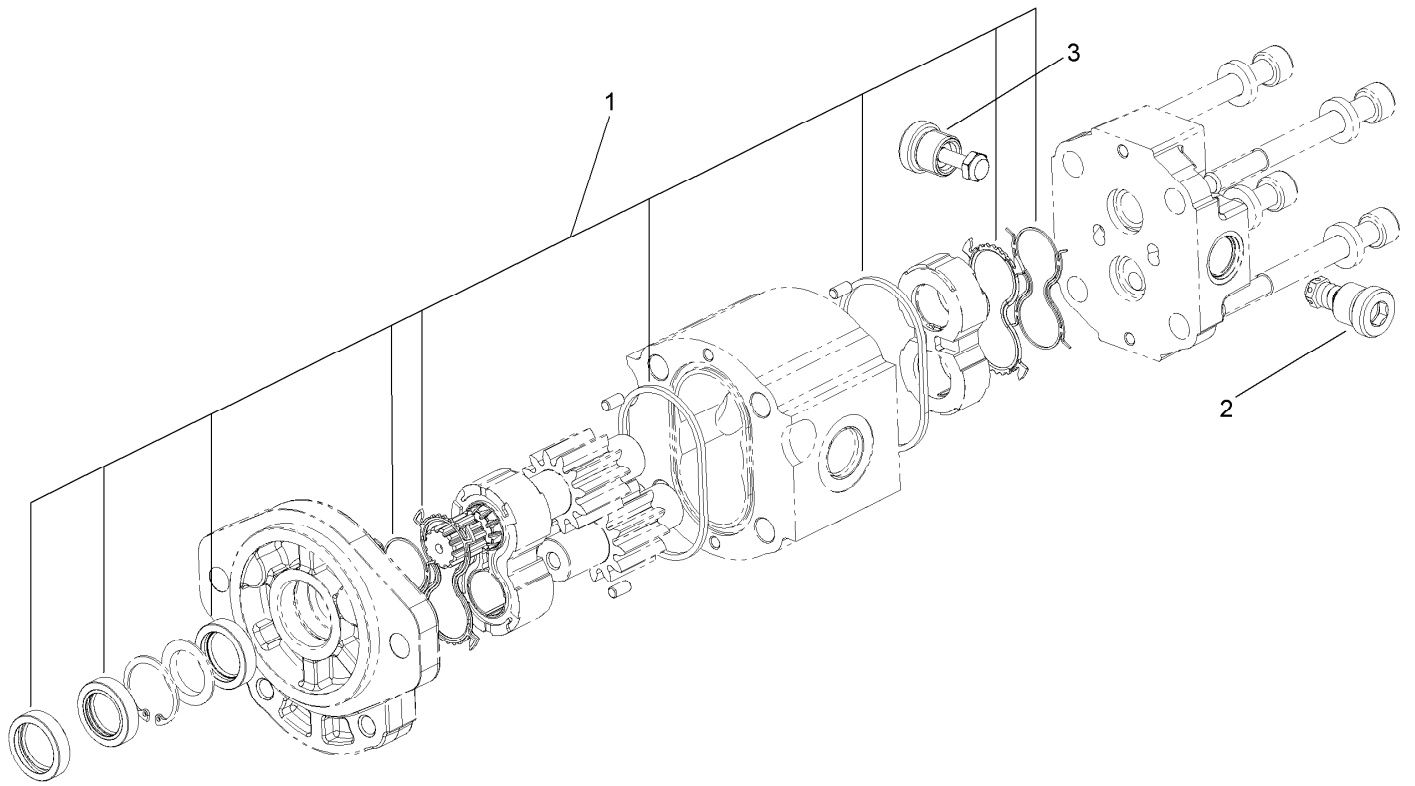
Ref.	Part Number	Qty.	Description
18	125-1984	5	Spacer
19	119-1419	2	Plate-Clamp
20	120-3769	1	Hydraulic Tube ASM
21	3234-5	1	Screw-HHF
22	56-7970	2	Clamp-Tube
23	108-1686	2	Hose-HYD
24	340-14	1	Fitting-HYD, 45 DEG
24:1	237-65	1	O-Ring
24:2	237-80	1	O-Ring
25	340-132	2	Fitting-Elbow, 90 DEG
25:1	237-78	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)

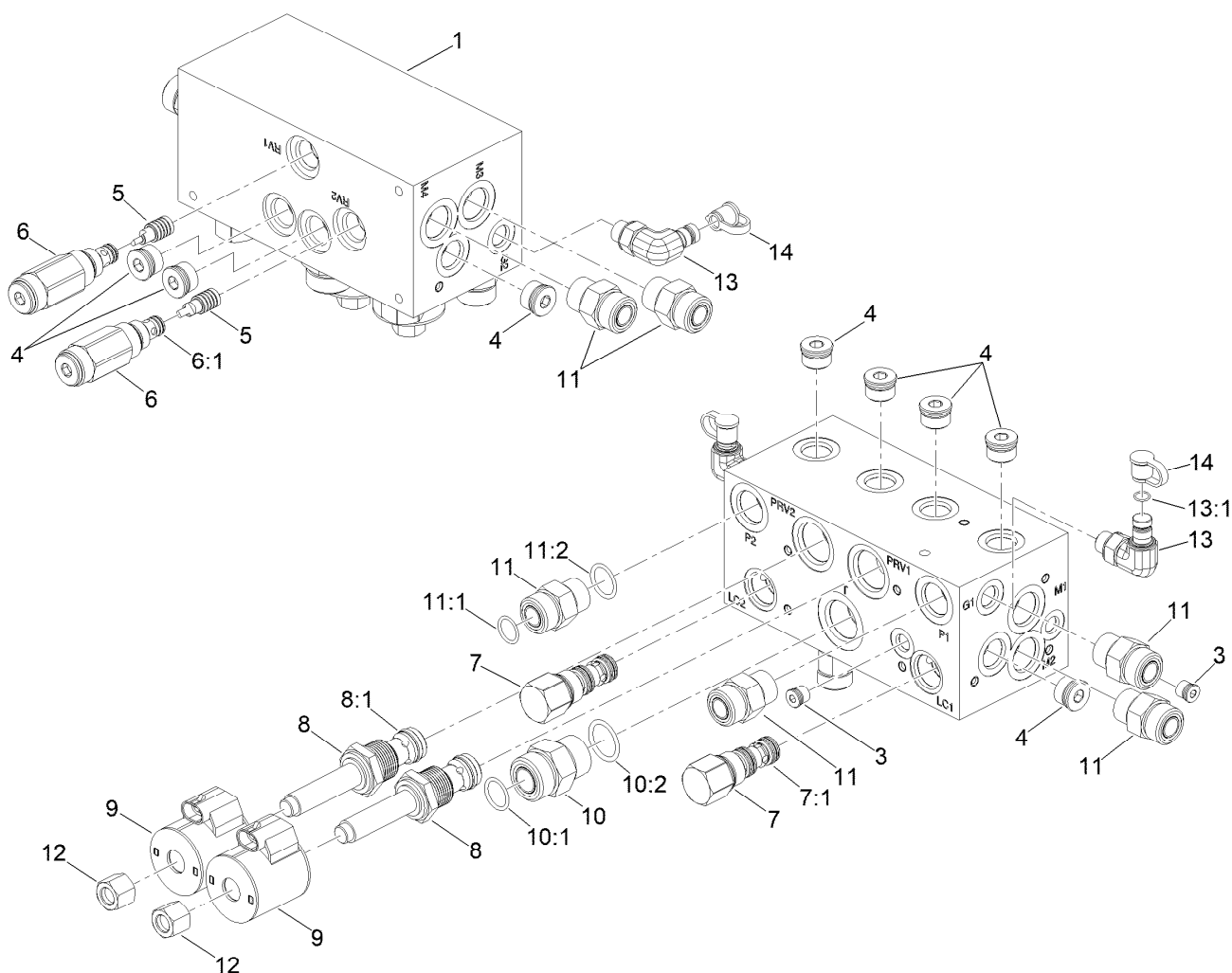
Ref.	Part Number	Qty.	Description
33	3334-945	9	Tie-Cable
34	3274-7	6	Screw-HSH
35	3256-24	6	Washer-Plain

Ref.	Part Number	Qty.	Description
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

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

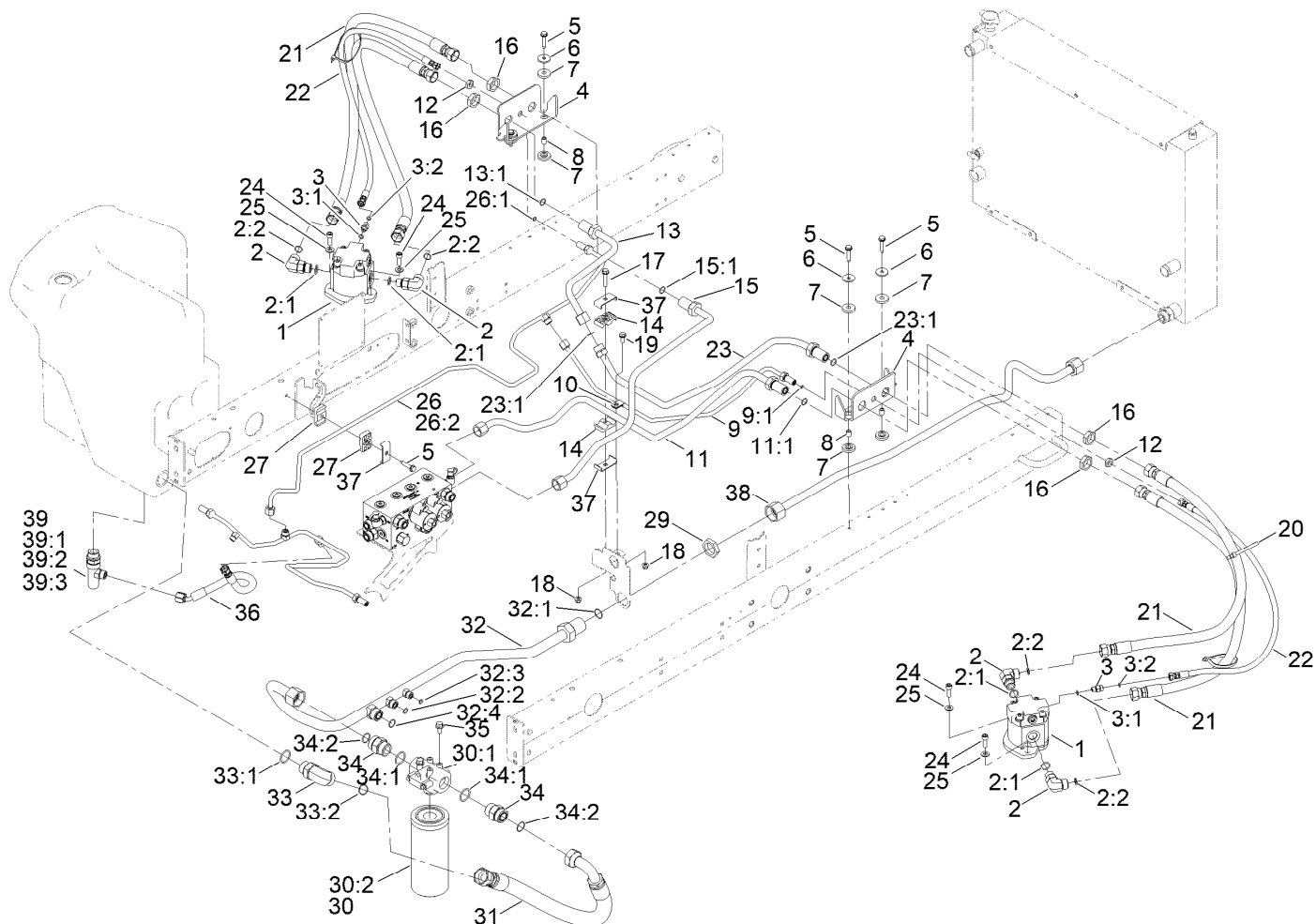


Deck Control Manifold Assembly No. 114-0359

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

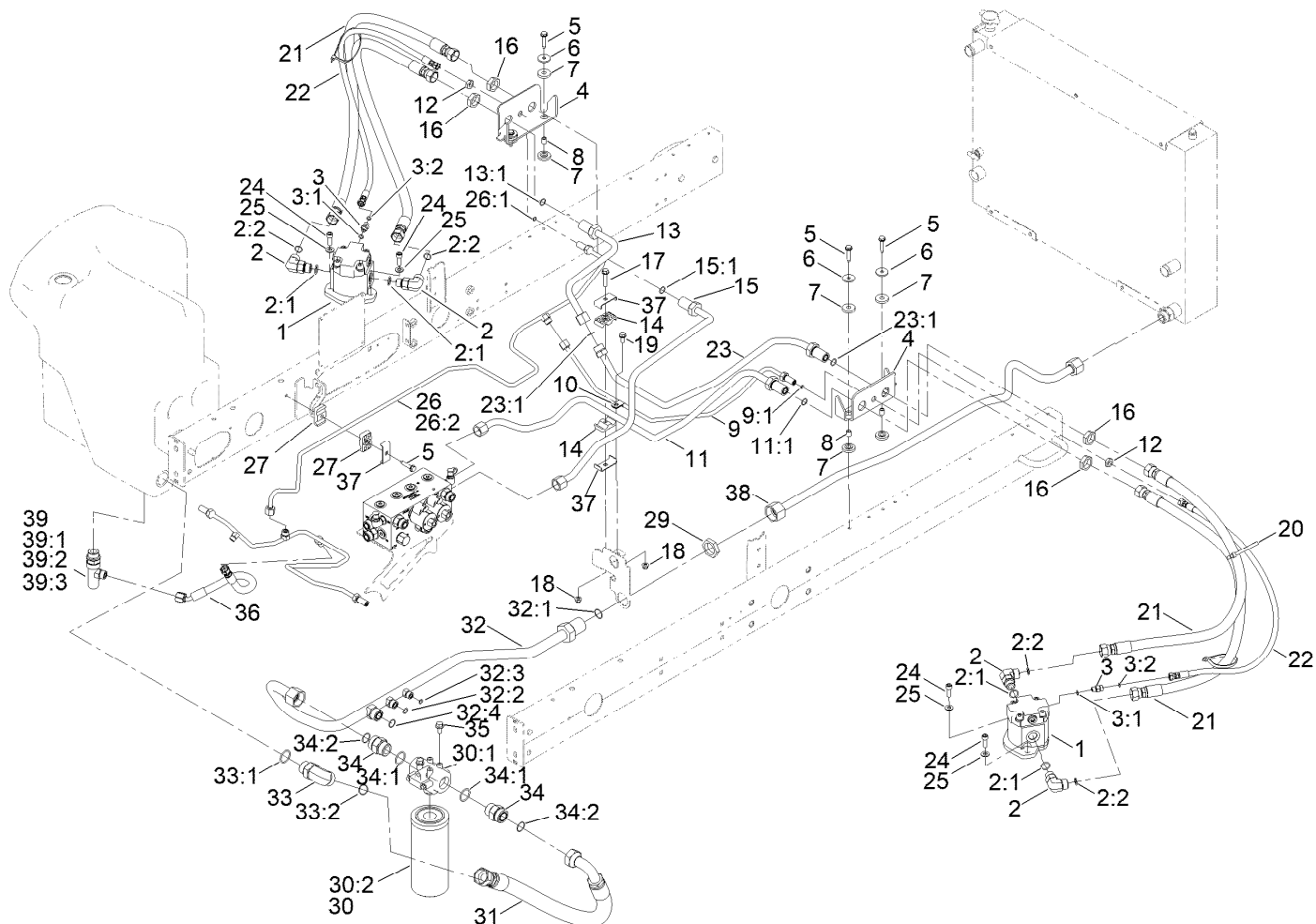
● Not serviced separately



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

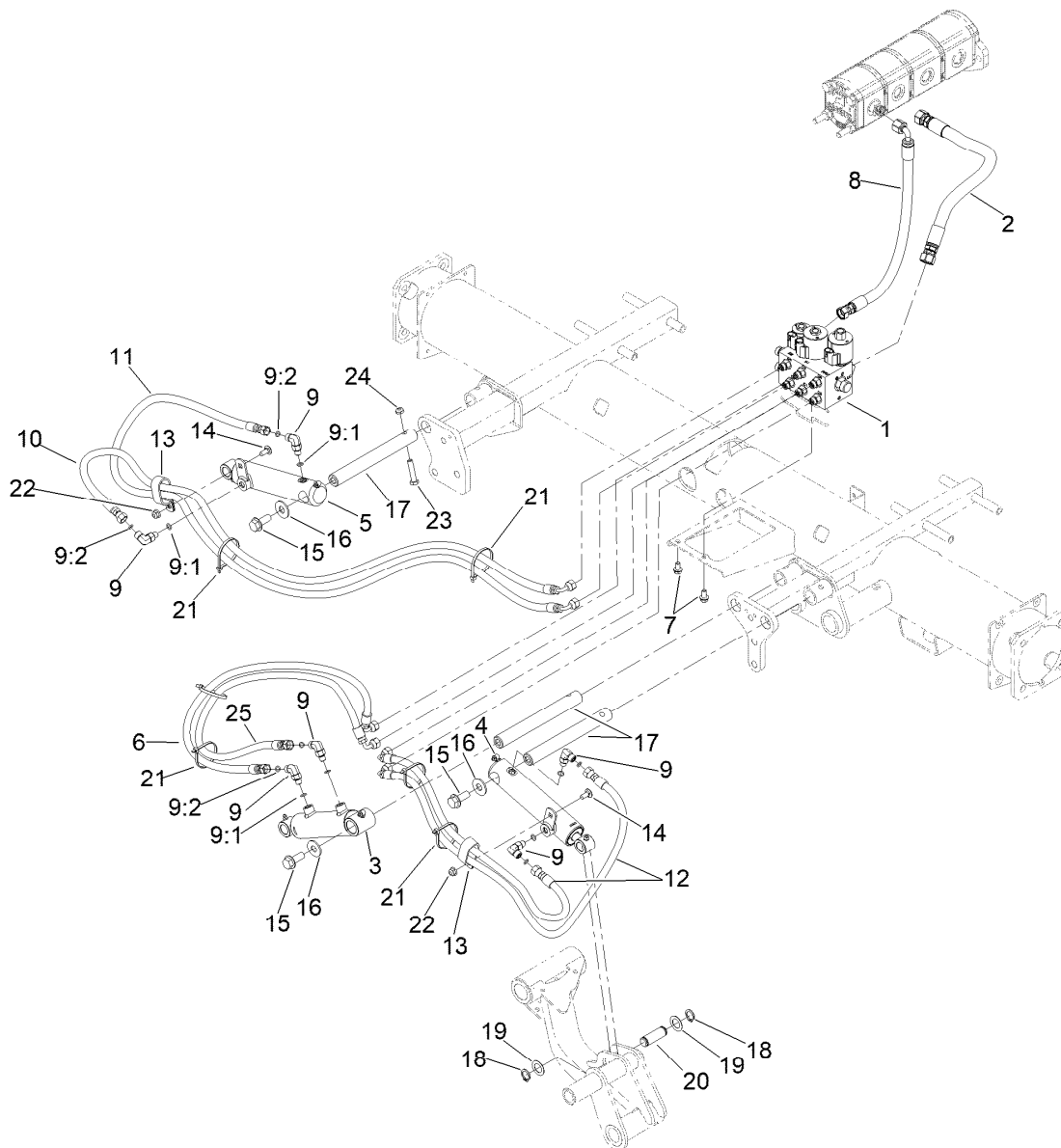
Ref.	Part Number	Qty.	Description
15	145-2527	1	Hydraulic Tube ASM
15:1	237-65	1	O-Ring
16	340-74	4	Nut-Lock, Bulkhead
17	94-5780	1	Screw-HWH
18	104-8300	2	Nut-HF, NI
19	3234-5	1	Screw-HHF
20	3334-945	6	Tie-Cable
21	105-1215	4	Hose-HYD
22	108-6507	2	Hose-HYD
23	120-3775	1	HYD Tube ASM
23:1	237-65	2	O-Ring
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

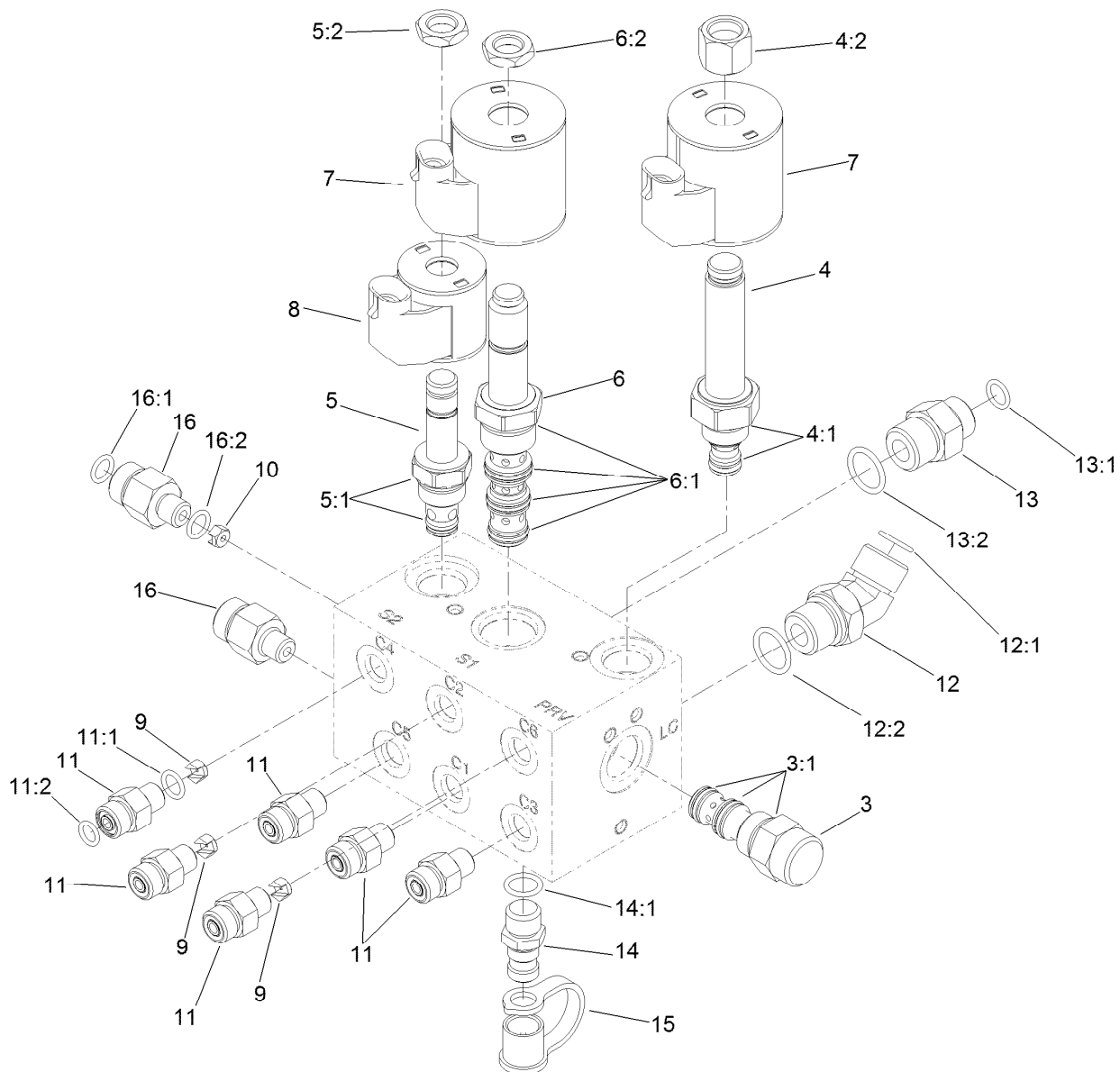
Ref.	Part Number	Qty.	Description
34:1	237-146	1	O-Ring
34:2	340-65	1	O-Ring
35	3234-1	2	Screw-HHF
36	163-3514	1	Hose ASM-HYD
37	119-1419	3	Plate-Clamp
38	121-5600	1	HYD Tube ASM
39	144-2080	1	Fitting-Manifold
39:1	237-81	1	O-Ring
39:2	237-30	1	O-Ring
39:3	237-22	1	O-Ring



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

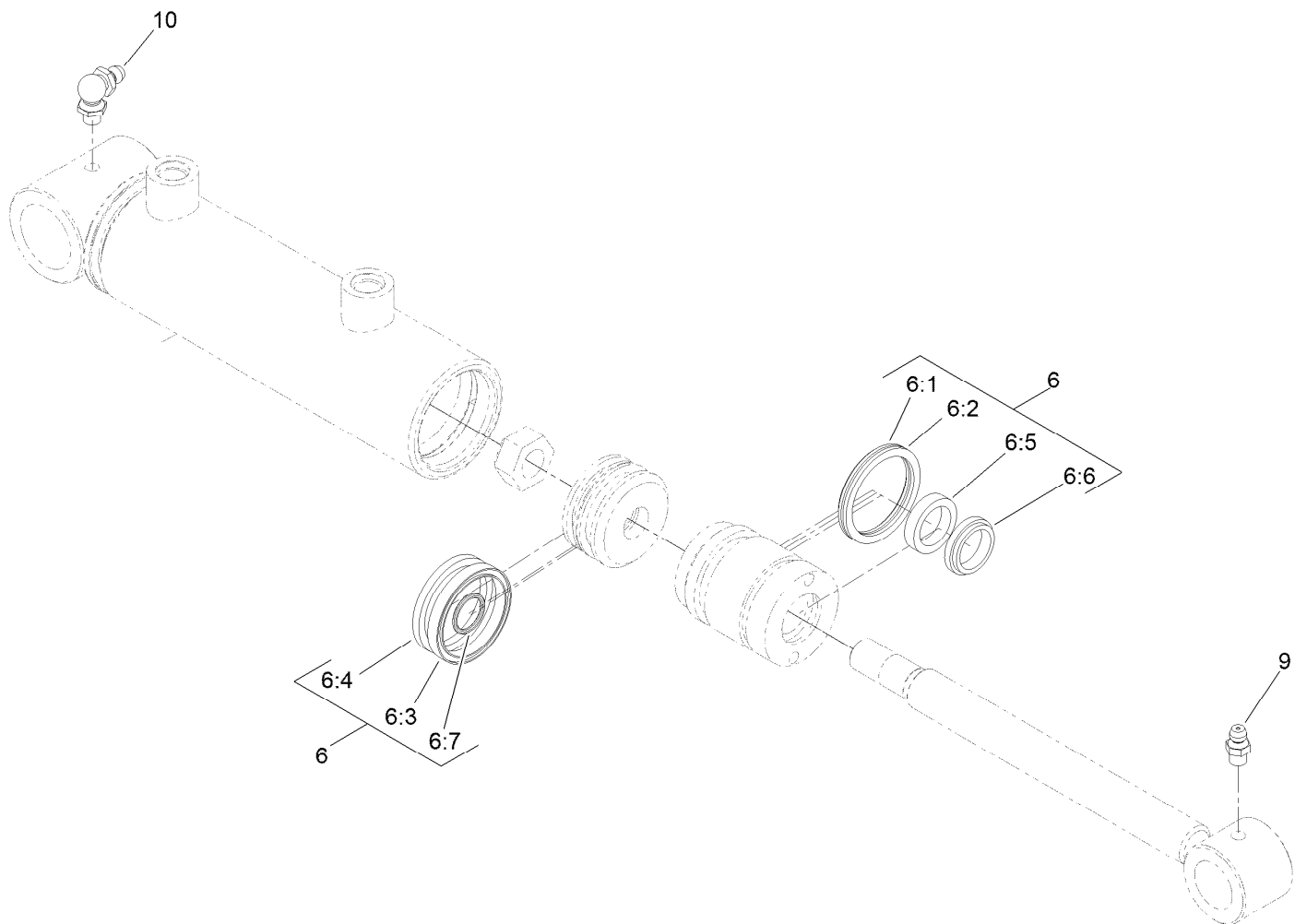
Ref.	Part Number	Qty.	Description
13	2412-137	2	Clamp-R, Double
14	137-3061	2	Bolt-CARR
15	3234-38	3	Screw-HHF
16	3256-6	3	Washer-Flat
17	117-0148	3	Pin-Cylinder
18	32120-93	6	Ring-Retaining
19	3-6498	6	Washer-Thrust
20	104-0046	3	Pin-Slide, Cylinder
21	3290-379	6	Tie-Cable
22	104-8300	2	Nut-HF, NI
23	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

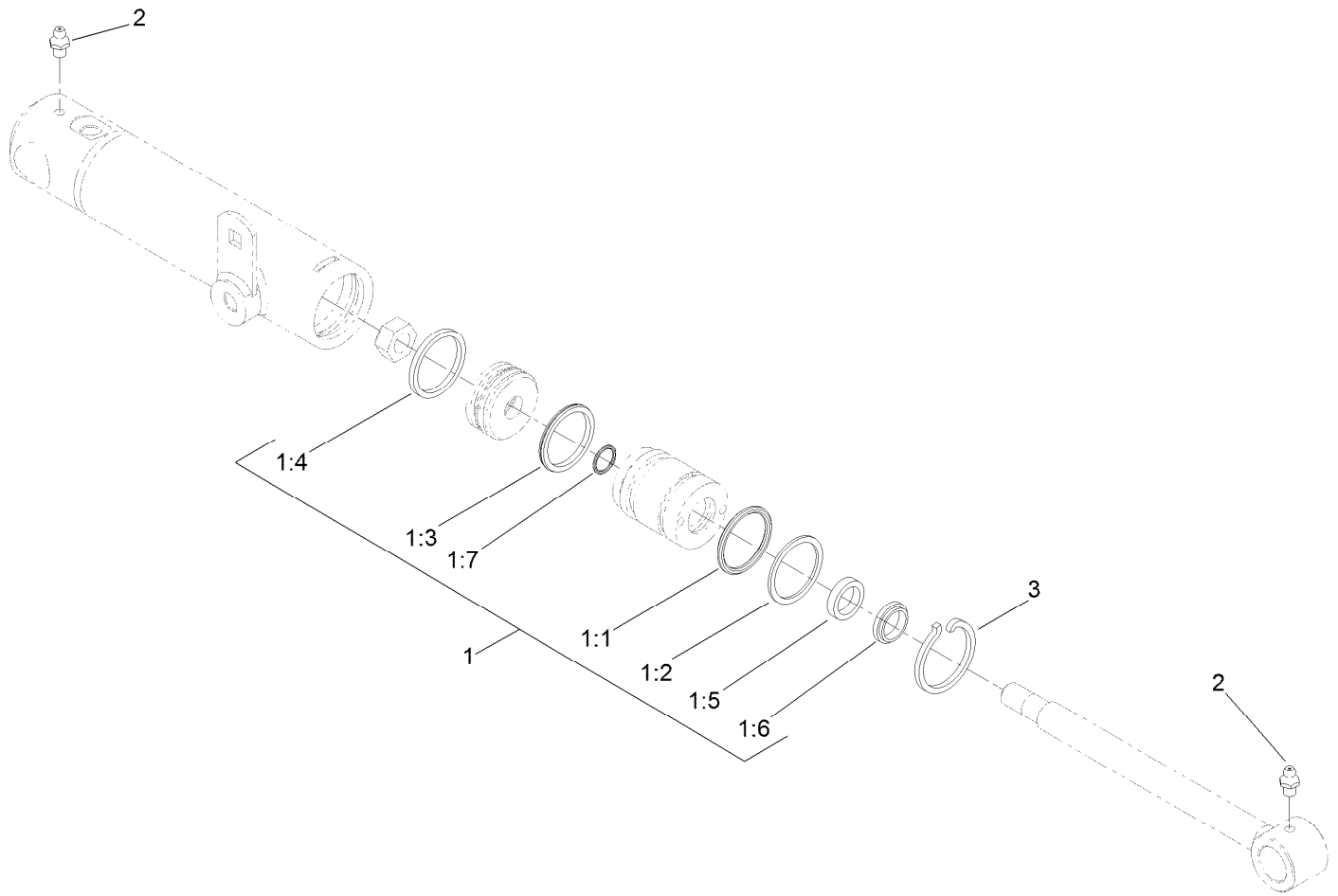
Ref.	Part Number	Qty.	Description
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	340-101	1	Fitting-HYD, 45 DEG
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	340-3	1	Fitting-Straight
13:1	237-22	1	O-Ring
13:2	237-79	1	O-Ring
14	59-7410	1	Fitting-Diagnostic
14:1	237-42	1	O-Ring
15	354-79	1	Cap-Dust
16	340-88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

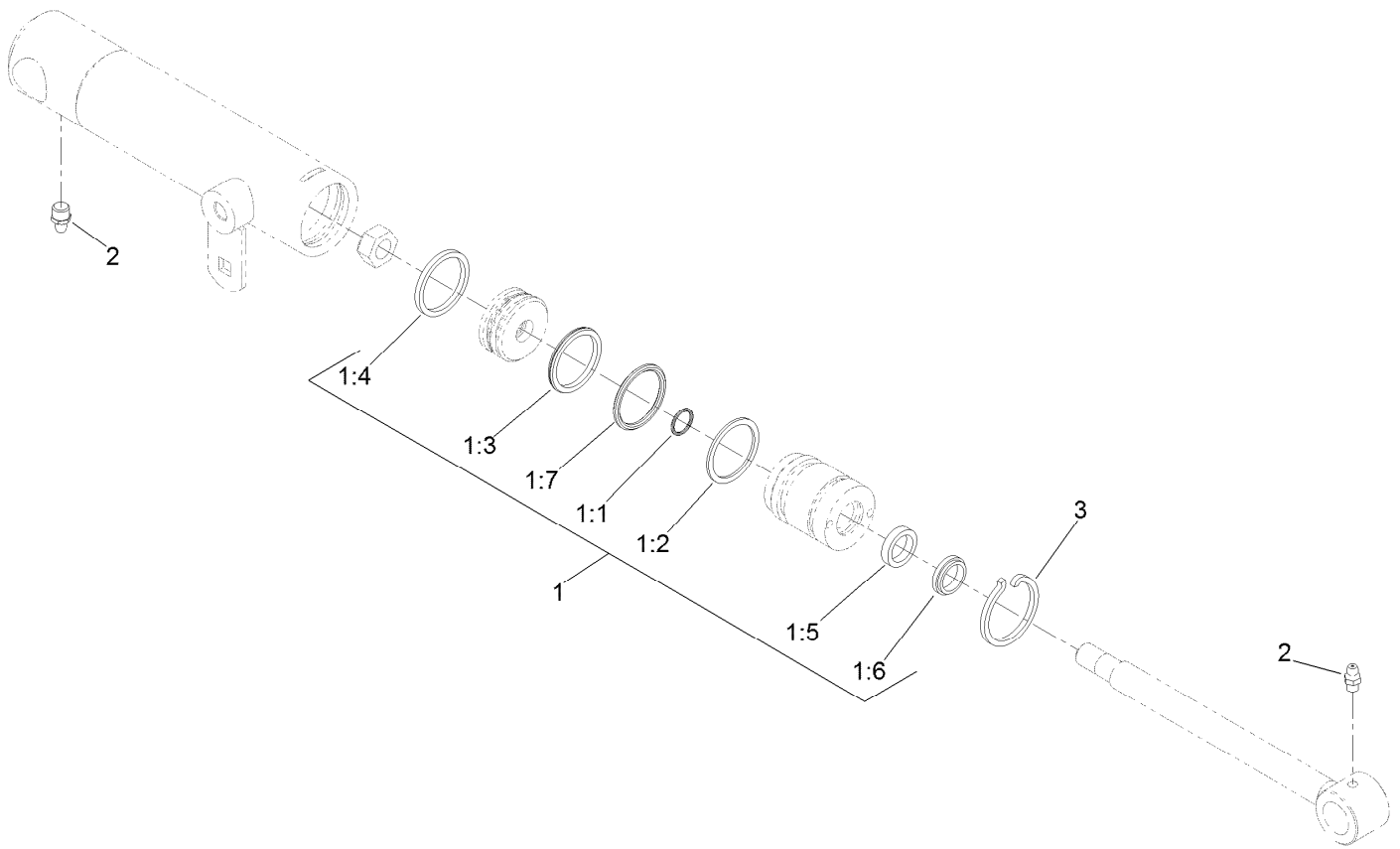
● Not serviced separately



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

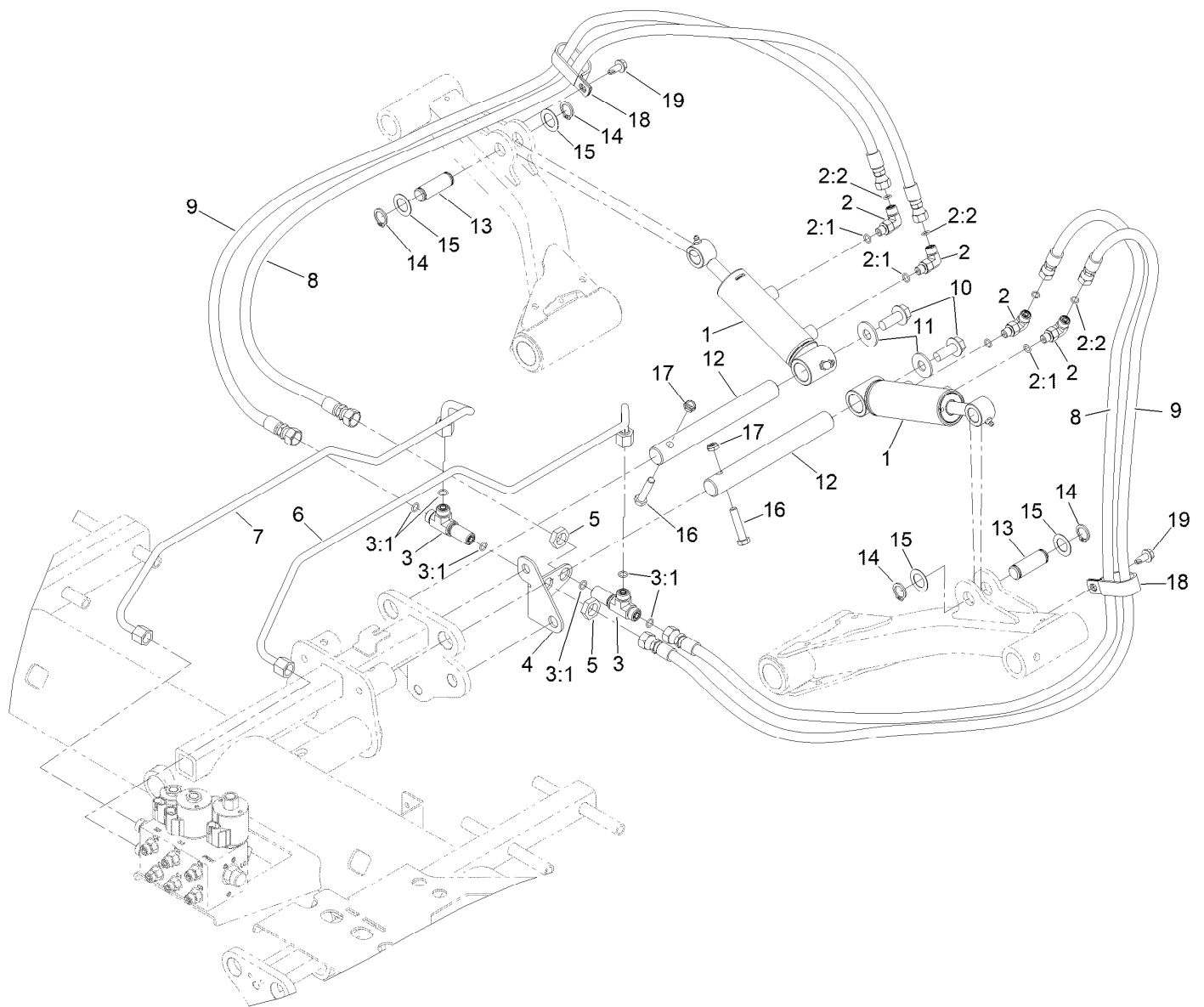
● Not serviced separately



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

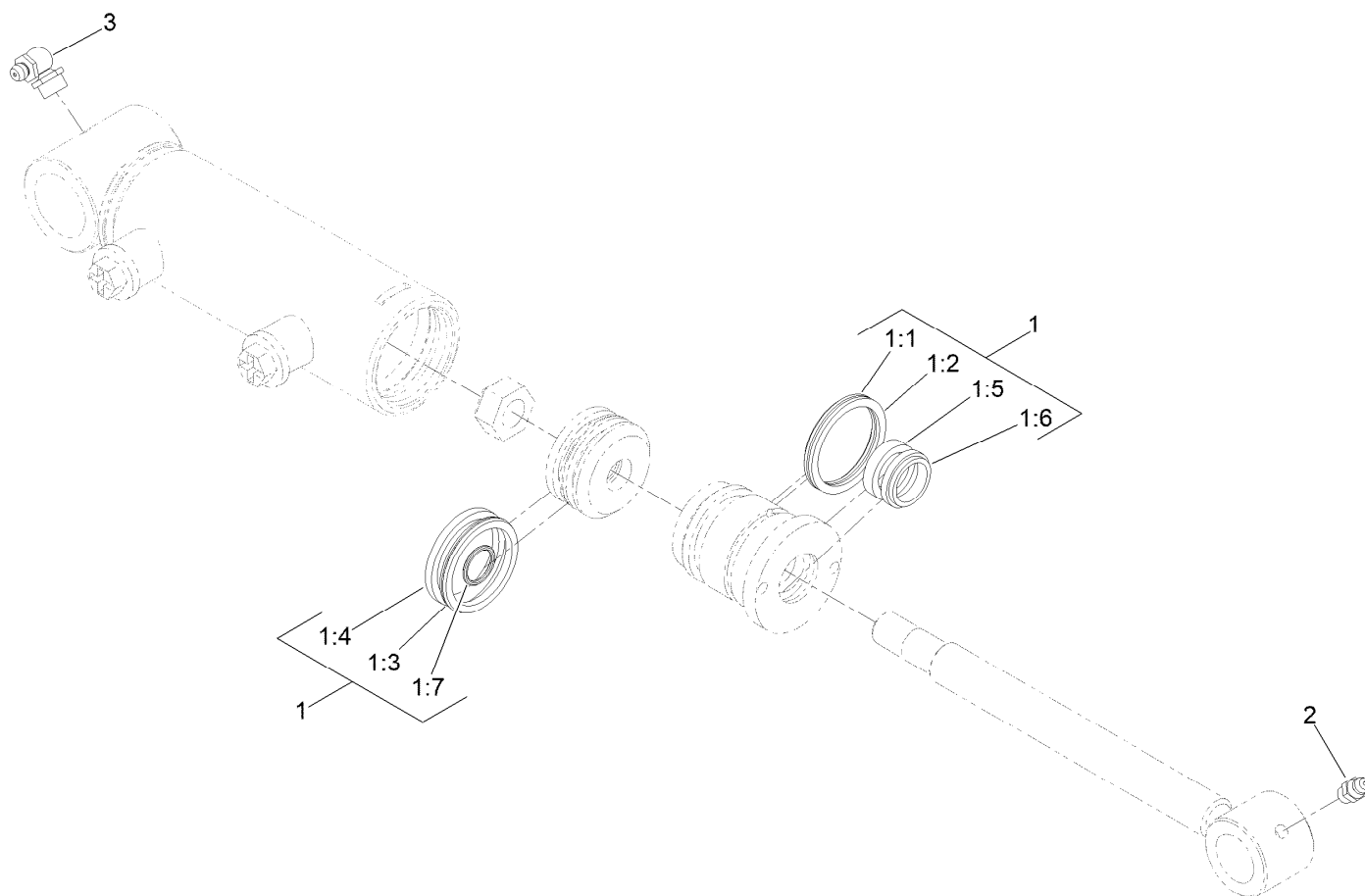
● Not serviced separately



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

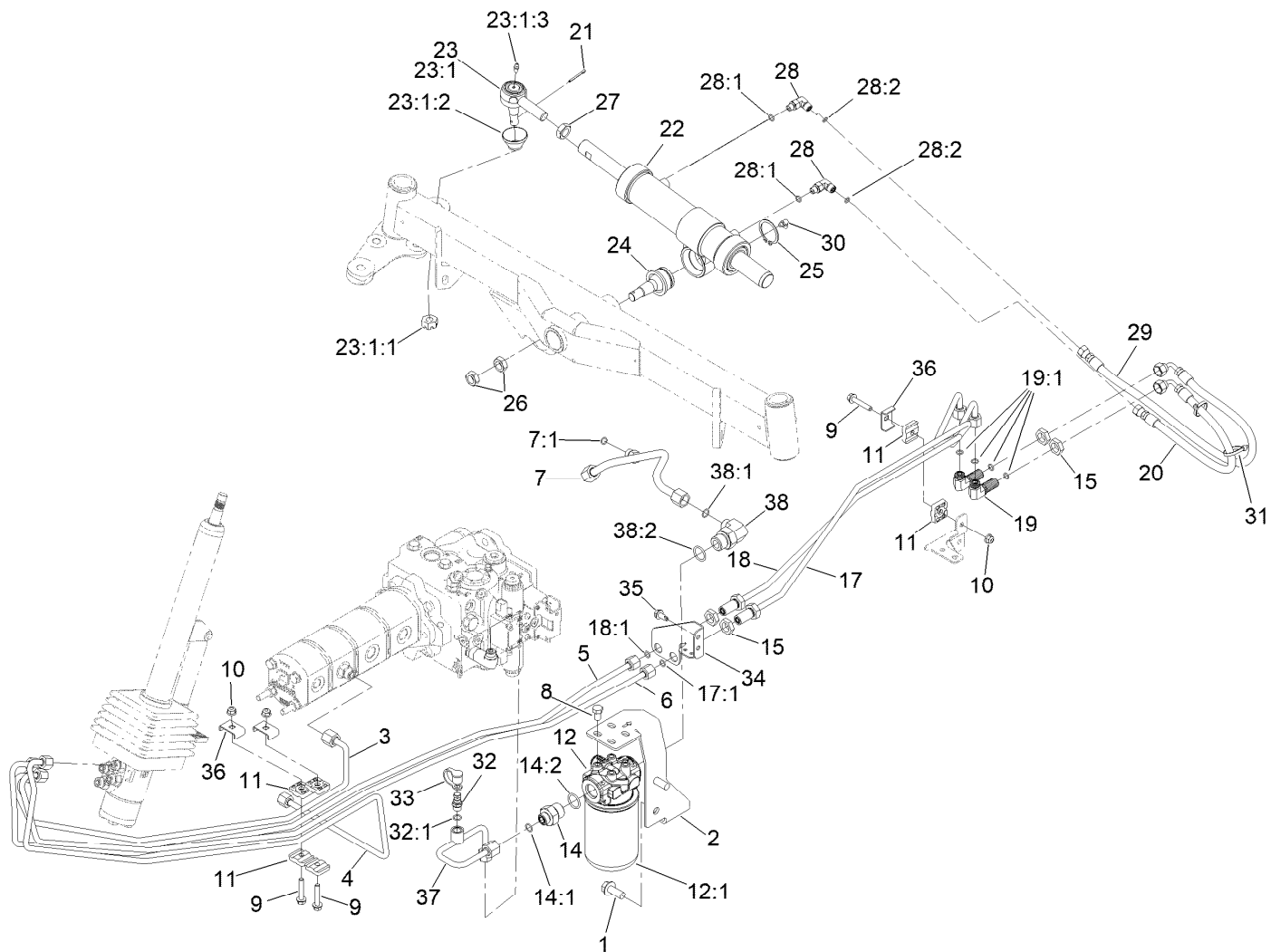
Ref.	Part Number	Qty.	Description
9	105-5405	2	Hose-HYD
10	3234-38	2	Screw-HHF
11	3256-6	2	Washer-Flat
12	117-0148	2	Pin-Cylinder
13	104-0046	2	Pin-Slide, Cylinder
14	32120-93	4	Ring-Retaining
15	3-6498	4	Washer-Thrust
16	323-9	2	Screw-HH
17	3296-59	2	Nut-Lock, NI
18	2412-137	2	Clamp-R, Double
19	32104-32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



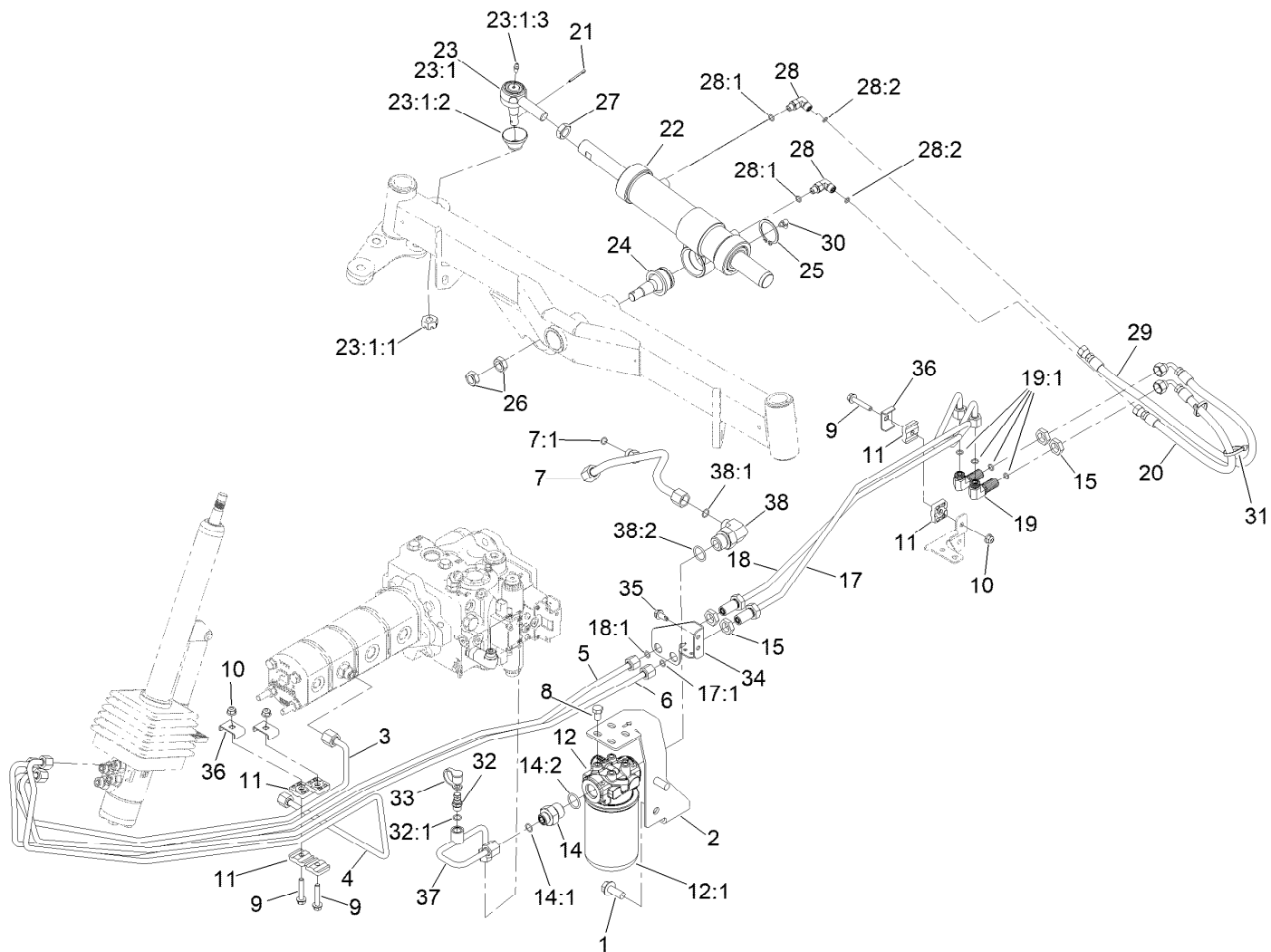
Steering Hydraulic Assembly

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

Ref.	Part Number	Qty.	Description
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



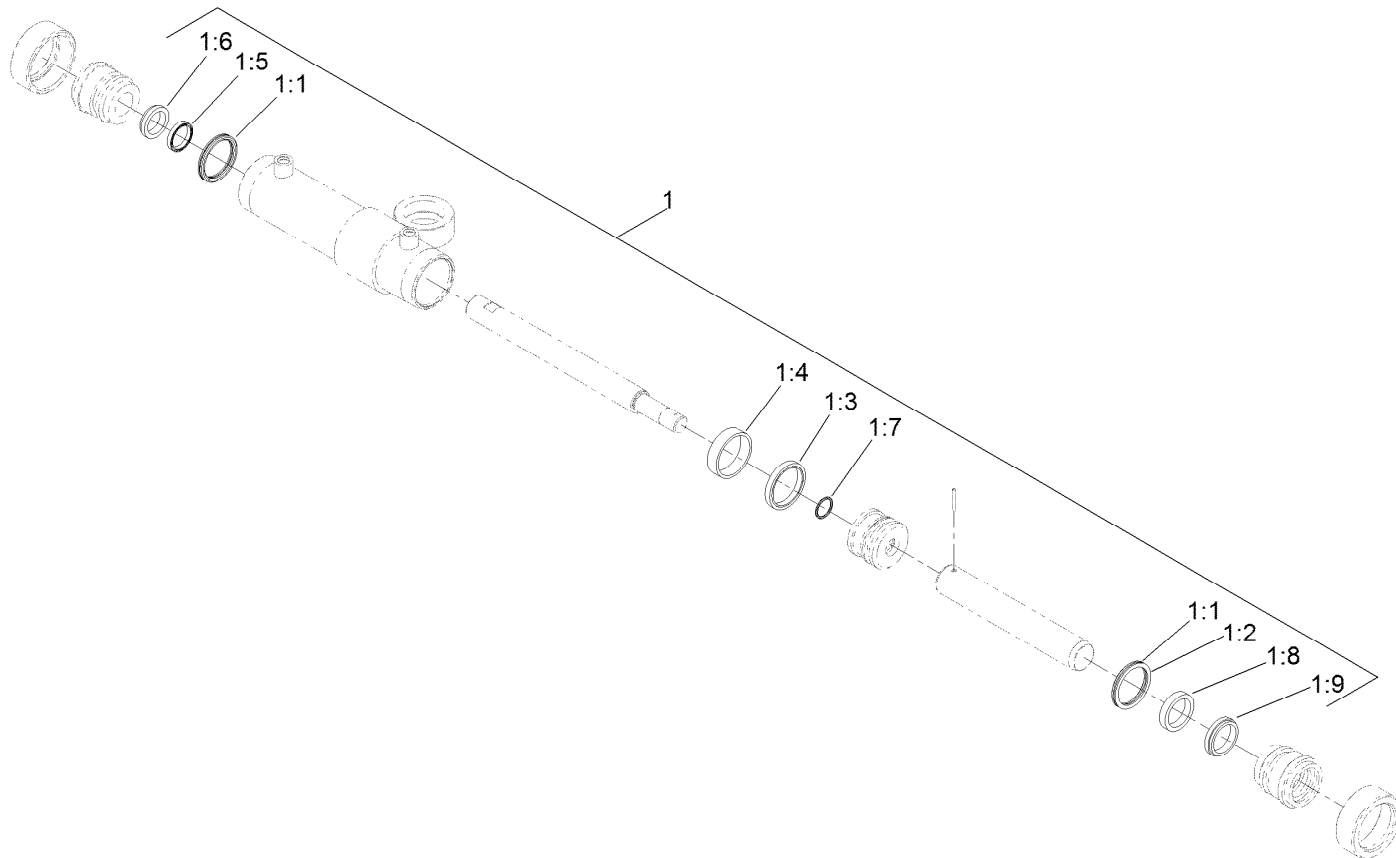
Steering Hydraulic Assembly (continued)

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

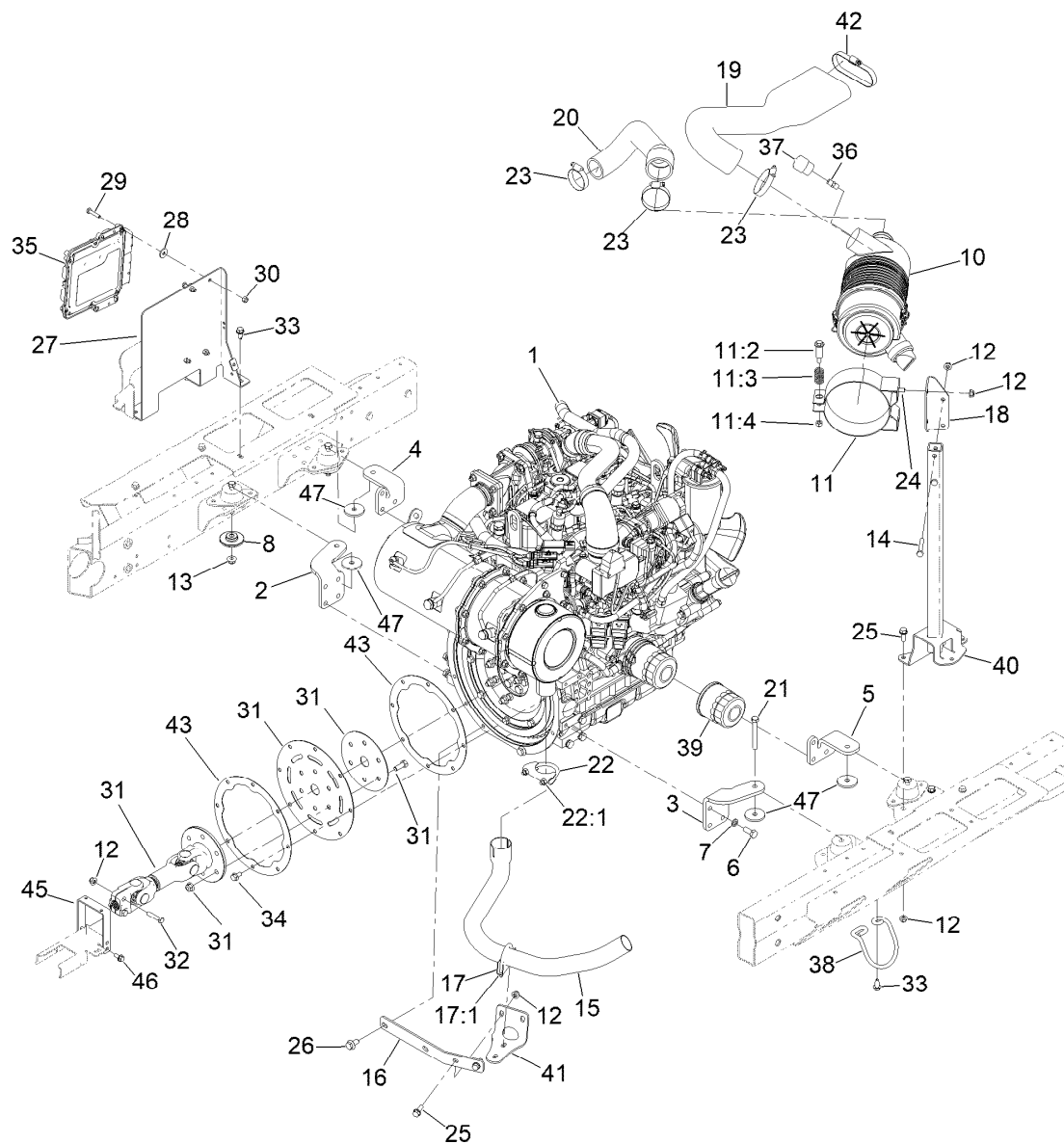
■ Not serviced separately



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 ●

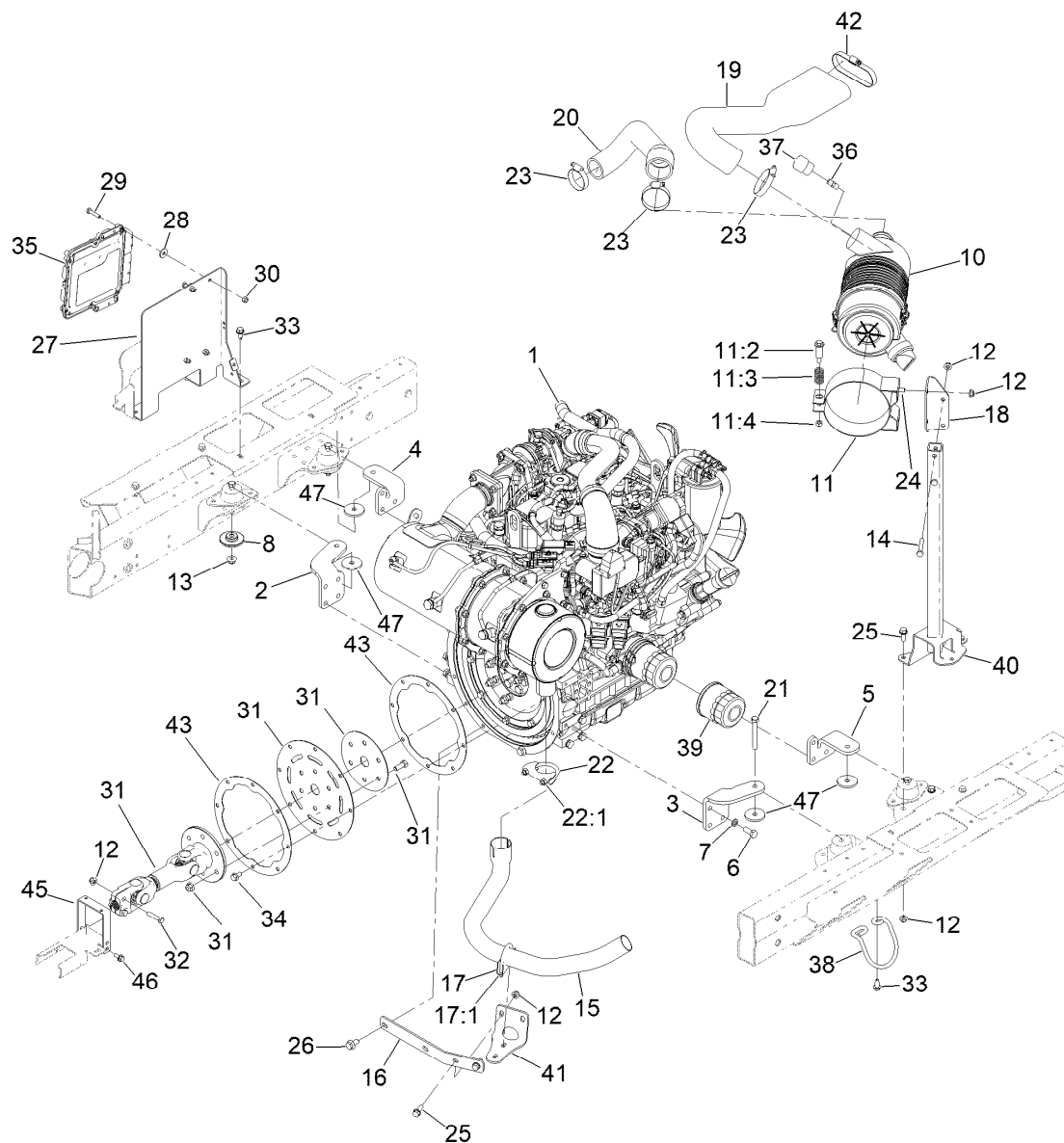
● Not serviced separately



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

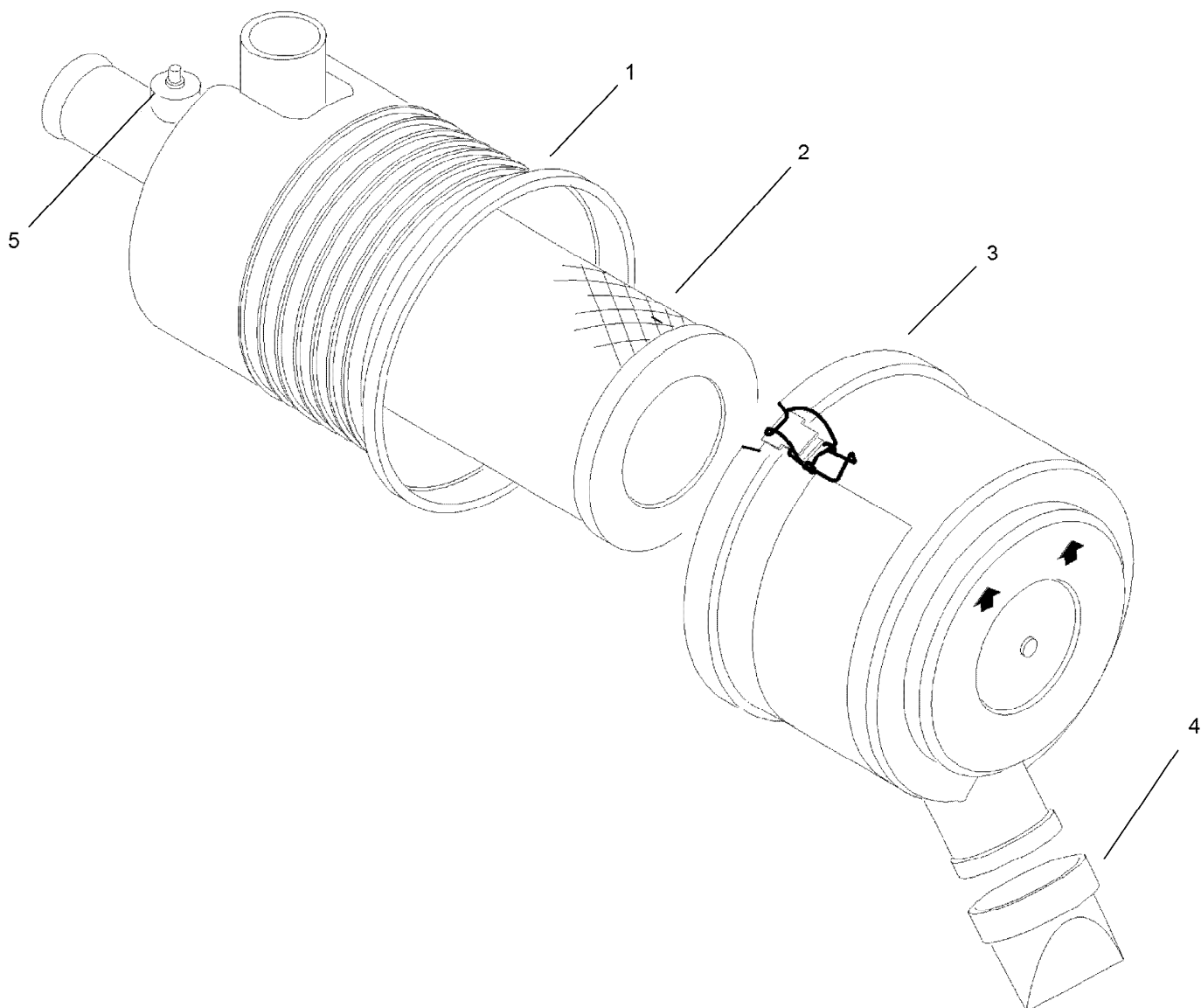
Ref.	Part Number	Qty.	Description
19	121-5559	1	Hose-Air Cleaner
20	133-2991	1	Hose-AC, Out
21	323-14	4	Screw-HH
22	2112-6	1	Clamp-Muffler
22:1	3218-2	2	Nut-Hex Jam
23	2412-130	3	Clamp-Hose
24	3234-14	2	Screw-HHF
25	3234-29	4	Screw-HHF
26	33105-020	2	Screw-HHF
27	122-0898-0P	1	Bracket-Ecu
28	66-2921	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

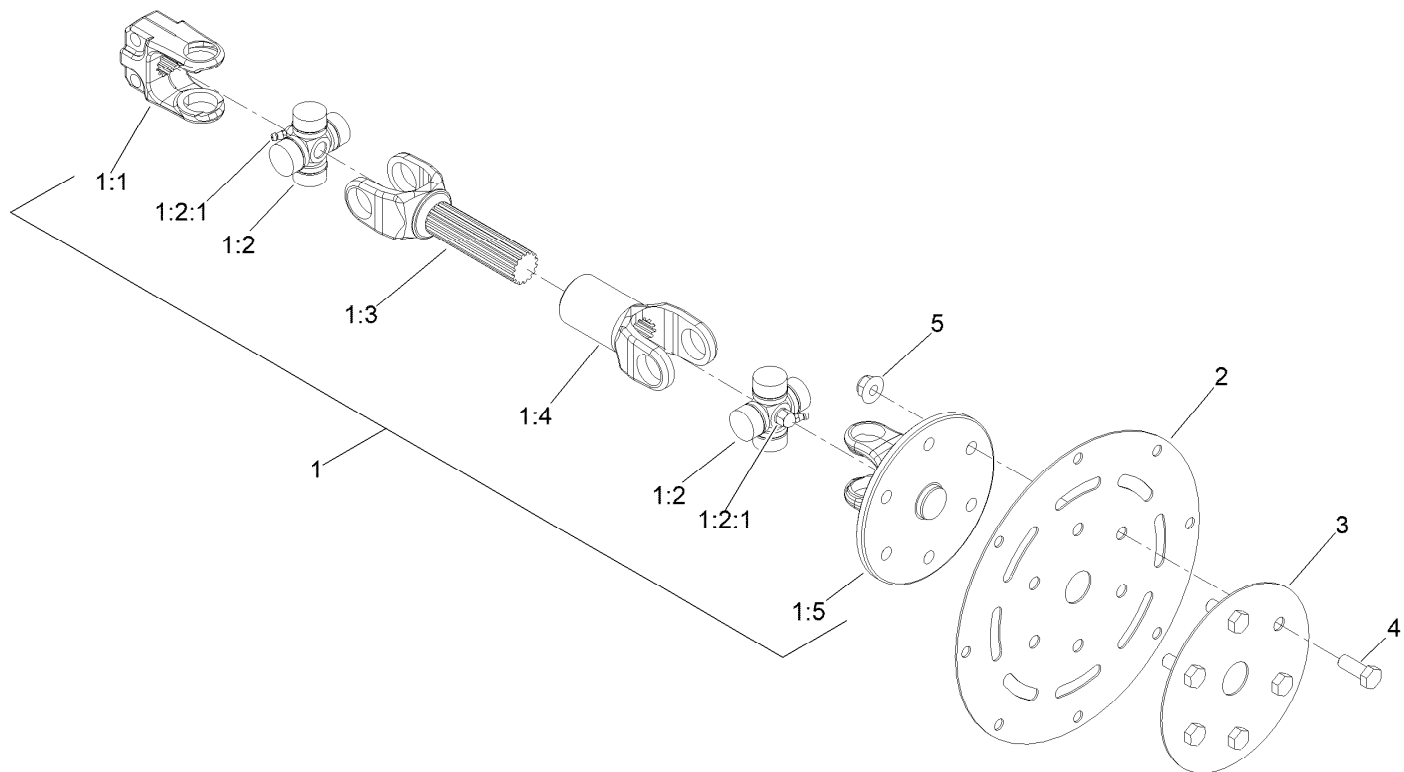
Ref.	Part Number	Qty.	Description
43	136-8040-0P	2	Ring - Backup
45	108-1799-0P	1	Hoop - Guard
46	3234-5	2	Screw-HHF
47	115-1485	4	Washer-Plain



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 ●

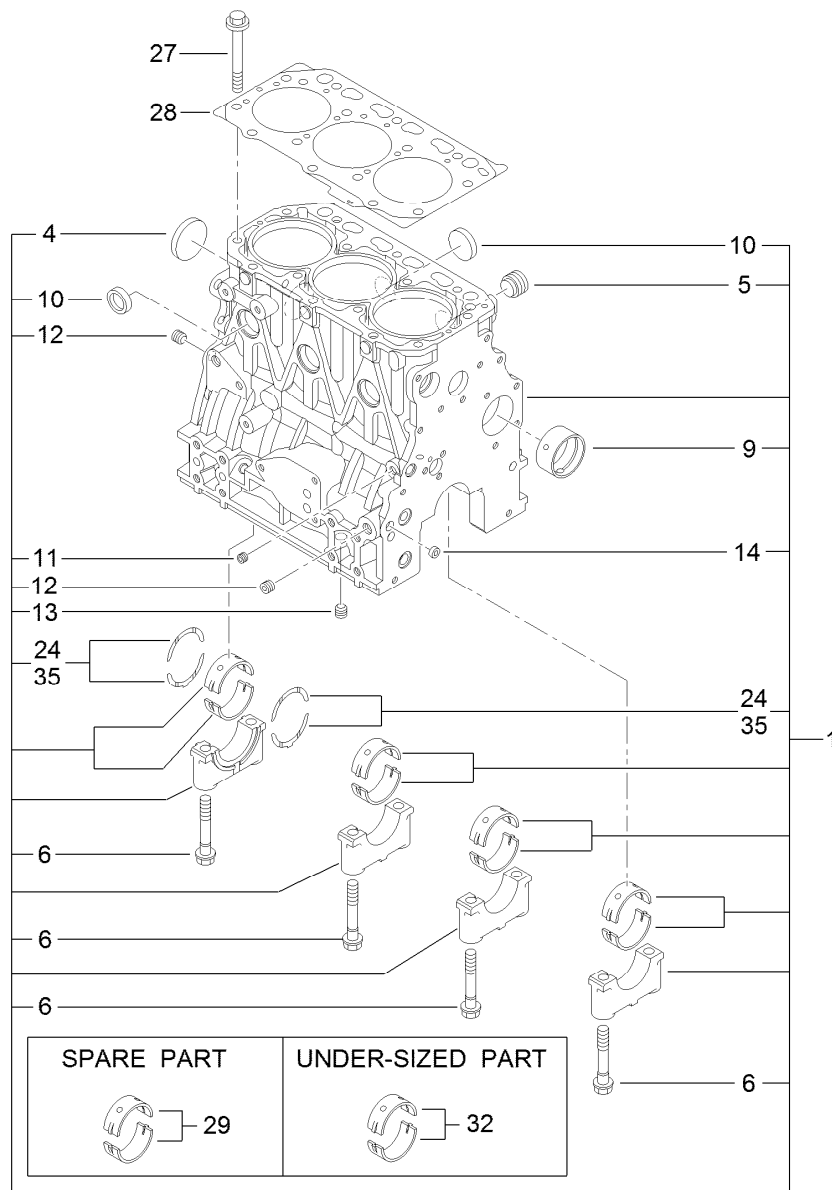
● Not serviced separately



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

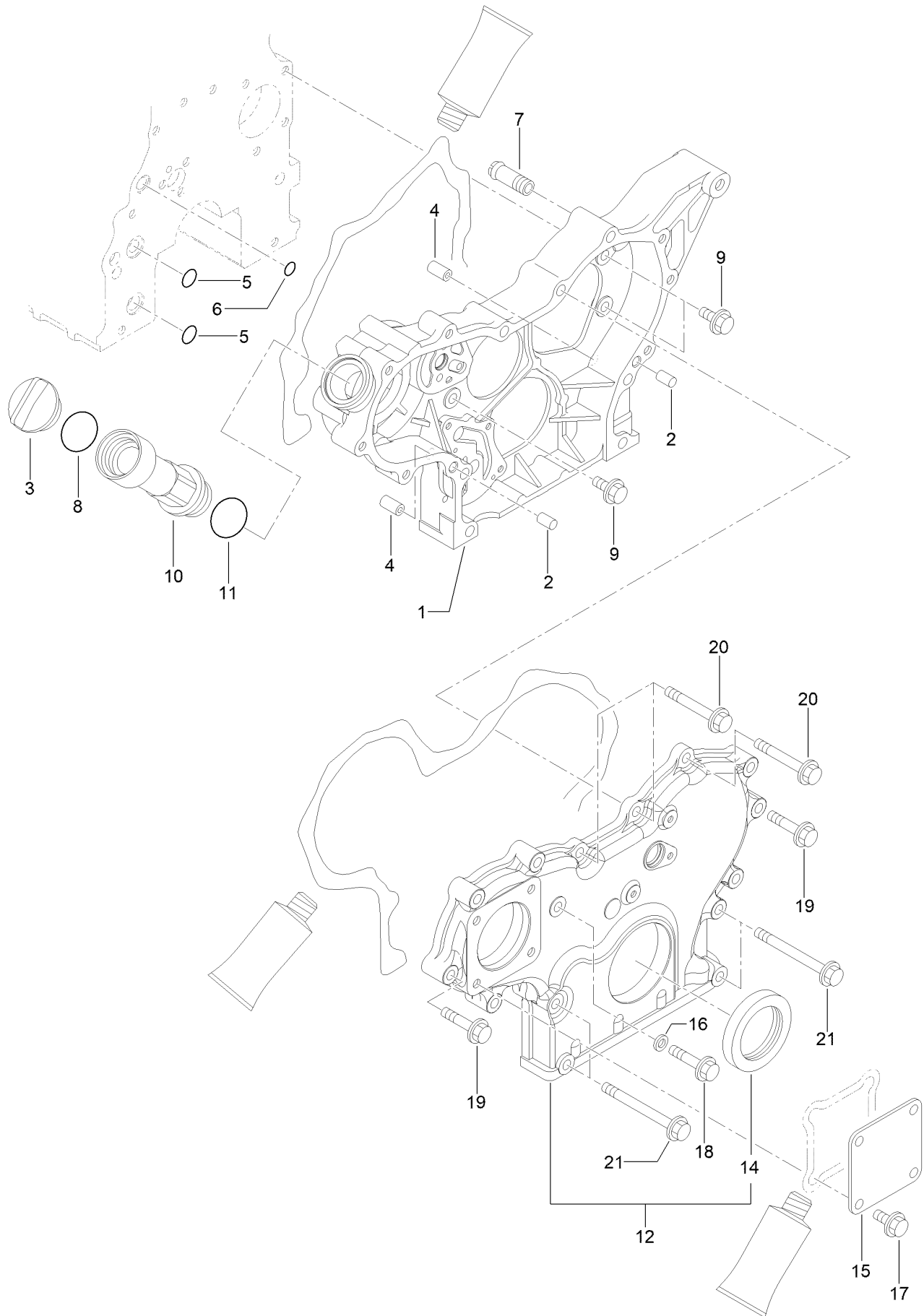


Cylinder Block Assembly

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

Ref.	Part Number	Qty.	Description
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)

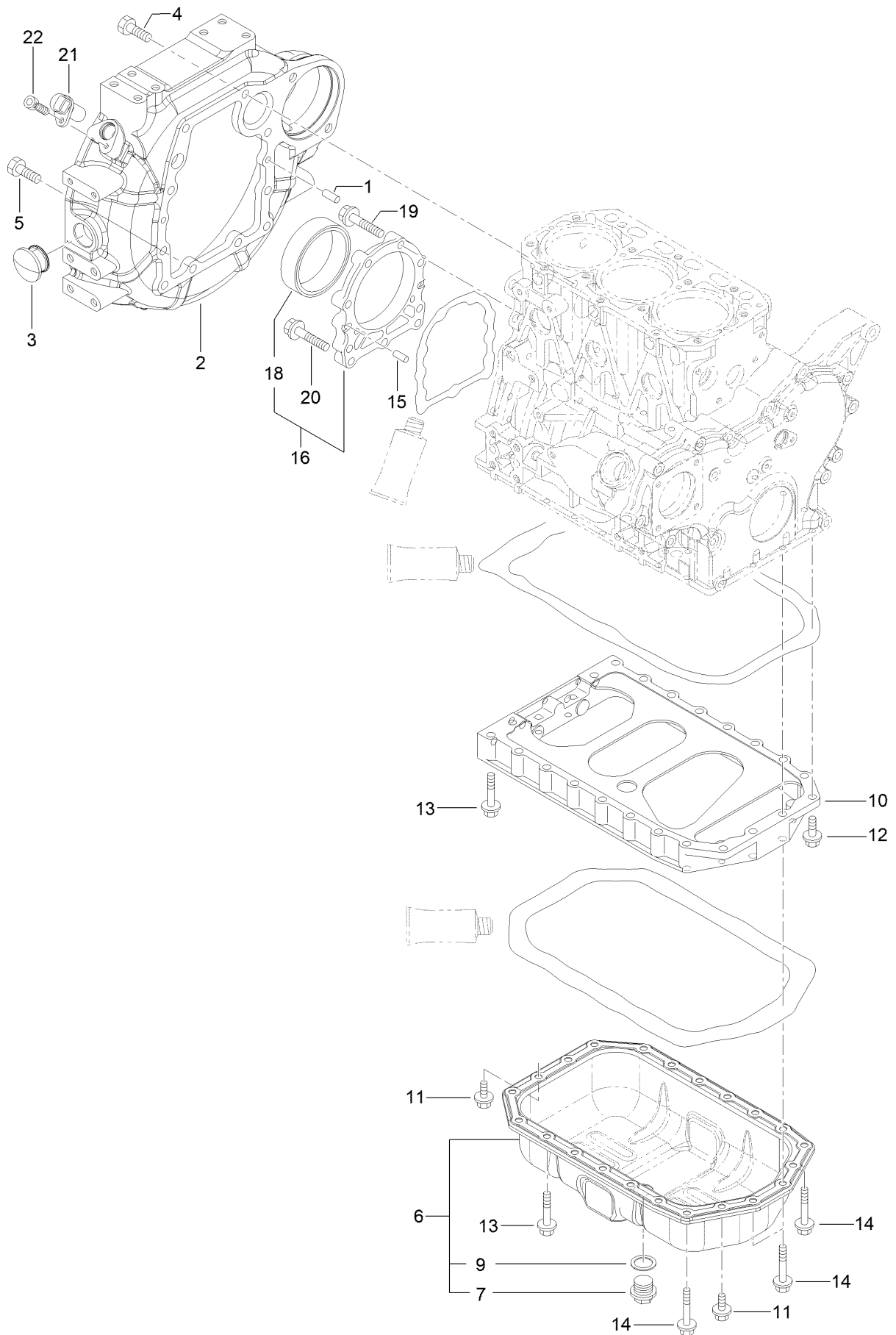
Gear Housing Assembly



Gear Housing Assembly (continued)

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

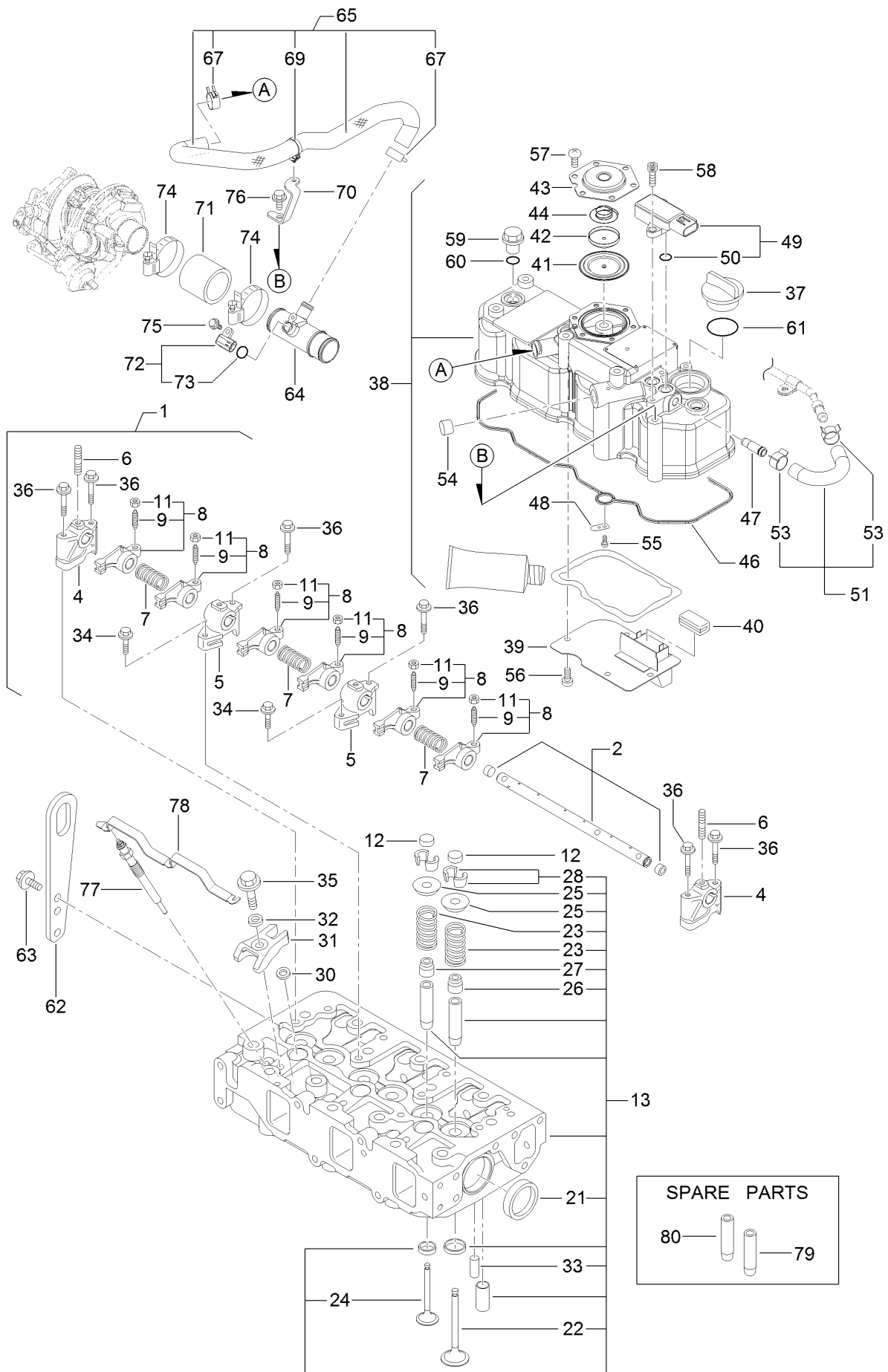
Flywheel Housing and Oil Sump Assembly



Flywheel Housing and Oil Sump Assembly (continued)

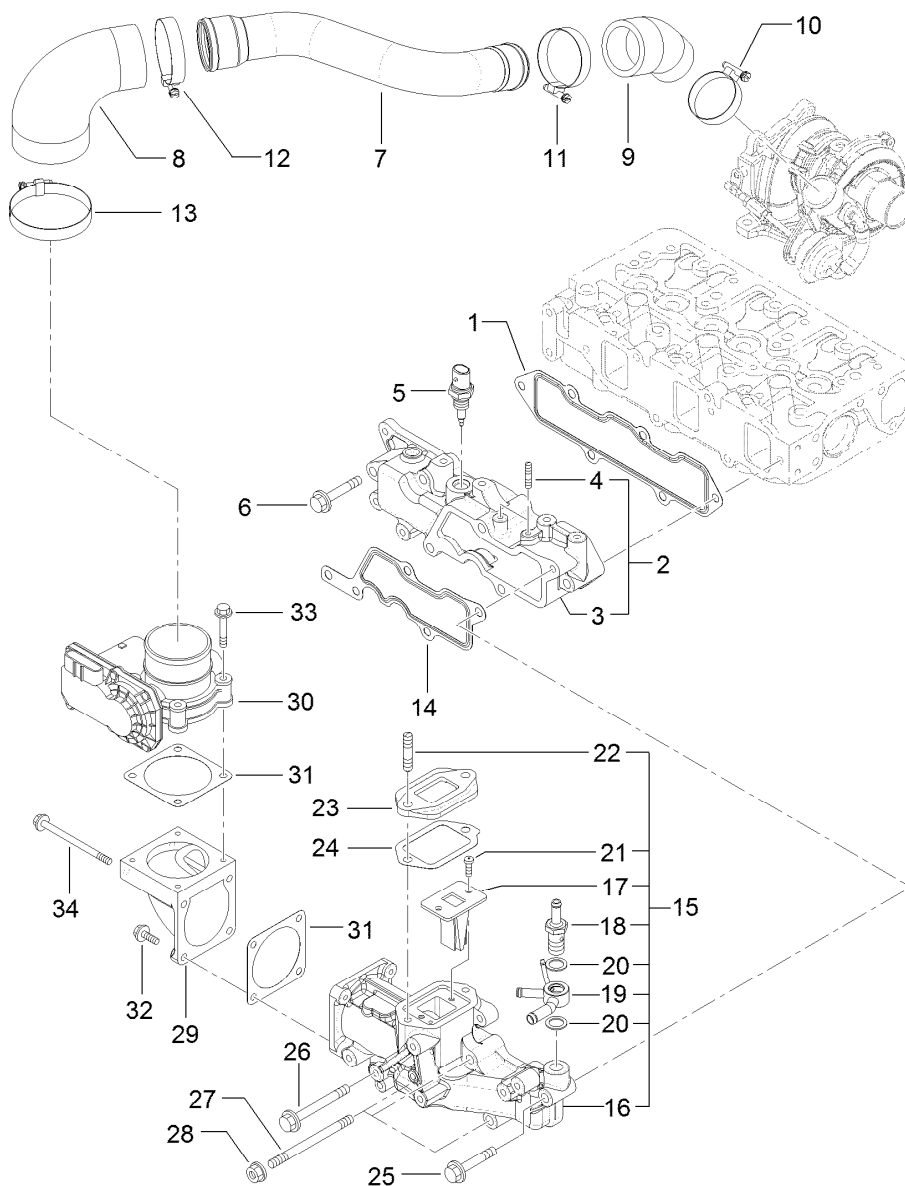
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	125-6995	1	Pin	12	125-7215	2	Bolt
2	127-3025	1	Housing-Flywheel	13	125-7219	16	Bolt
3	125-6910	1	Cap	14	125-7220	4	Bolt
4	125-7226	6	Bolt	15	125-6995	2	Pin
5	125-7227	4	Bolt	16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

Cylinder Head and Cover Assembly



Cylinder Head and Cover Assembly (continued)

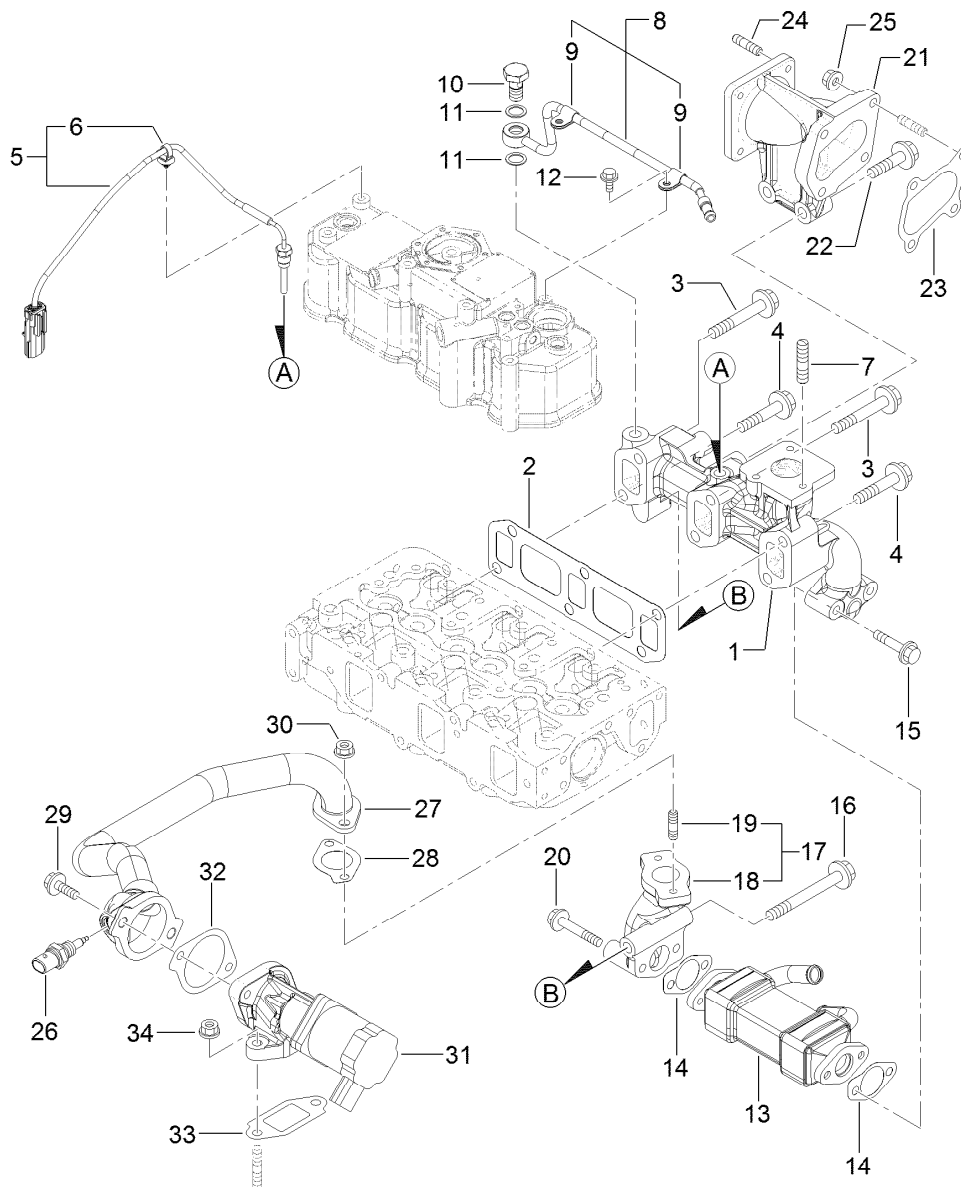
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-3757	1	Shaft ASM	46	127-3762	1	Gasket-Cover, Cylinder Head
2	127-3758	1	Shaft	47	127-3026	1	Joint
4	127-2974	2	Support	48	125-6994	1	Spring
5	127-2975	2	Support	49	127-3029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



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

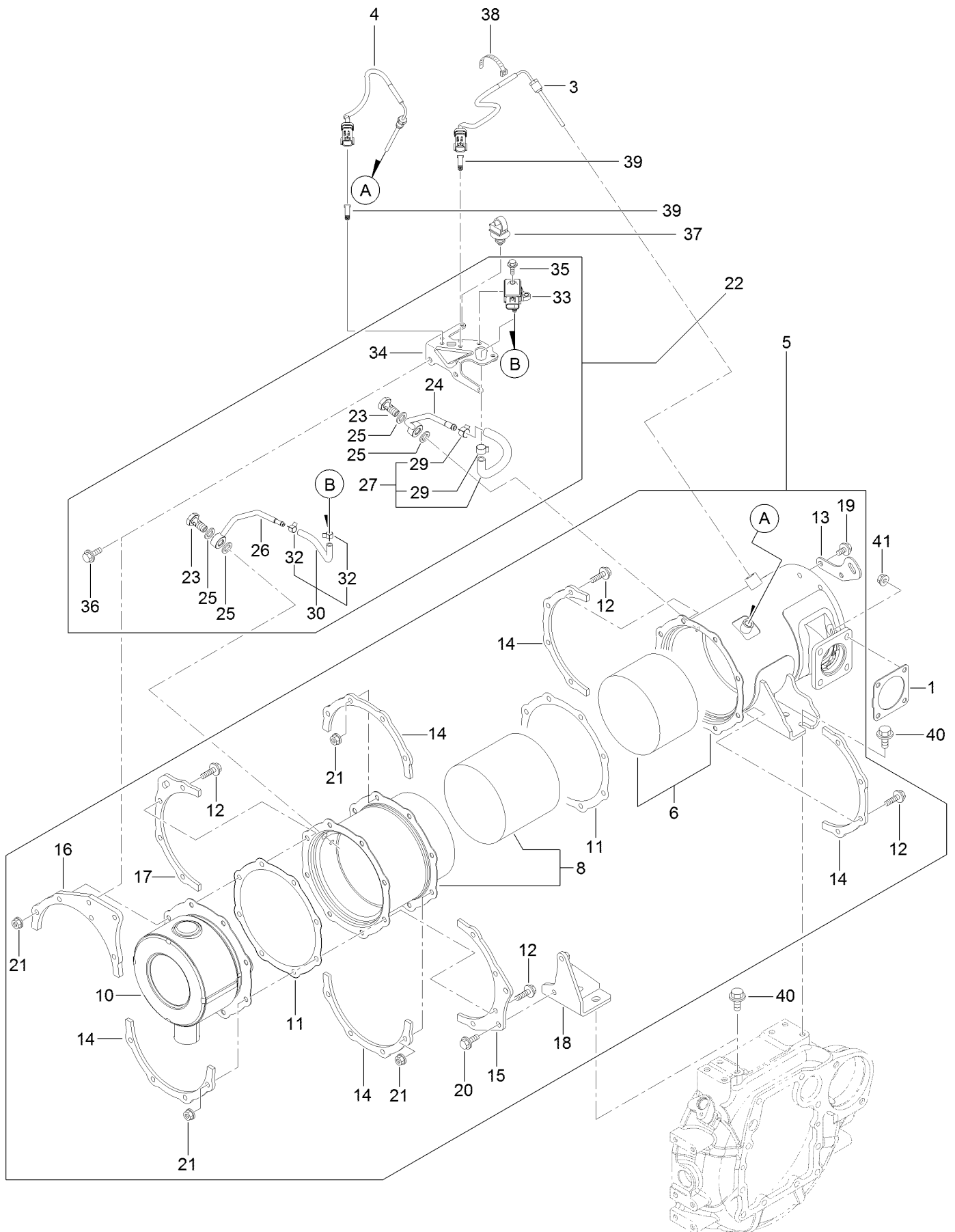


Exhaust Manifold Assembly

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

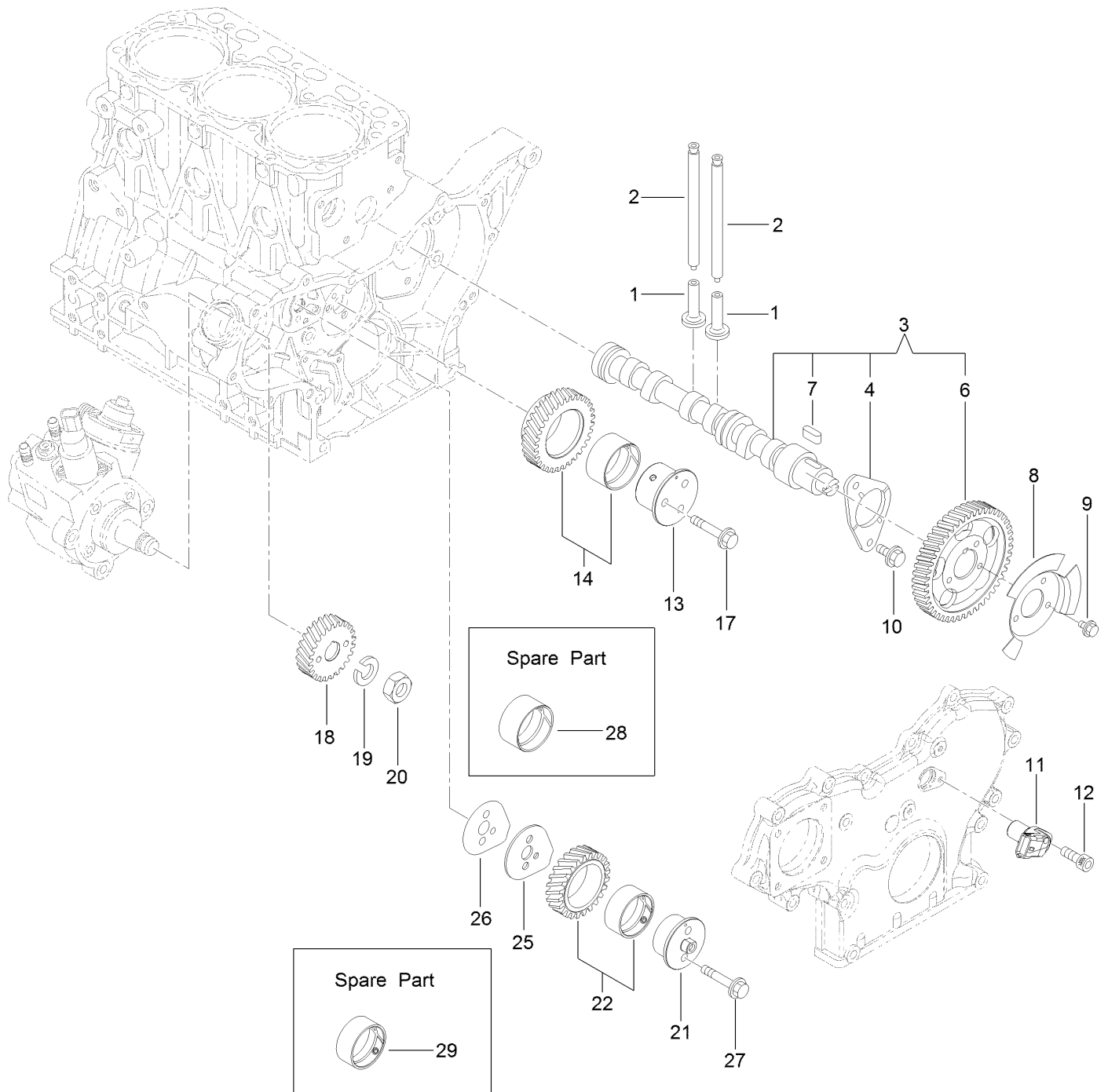
Diesel Particulate Filter Assembly



Diesel Particulate Filter Assembly (continued)

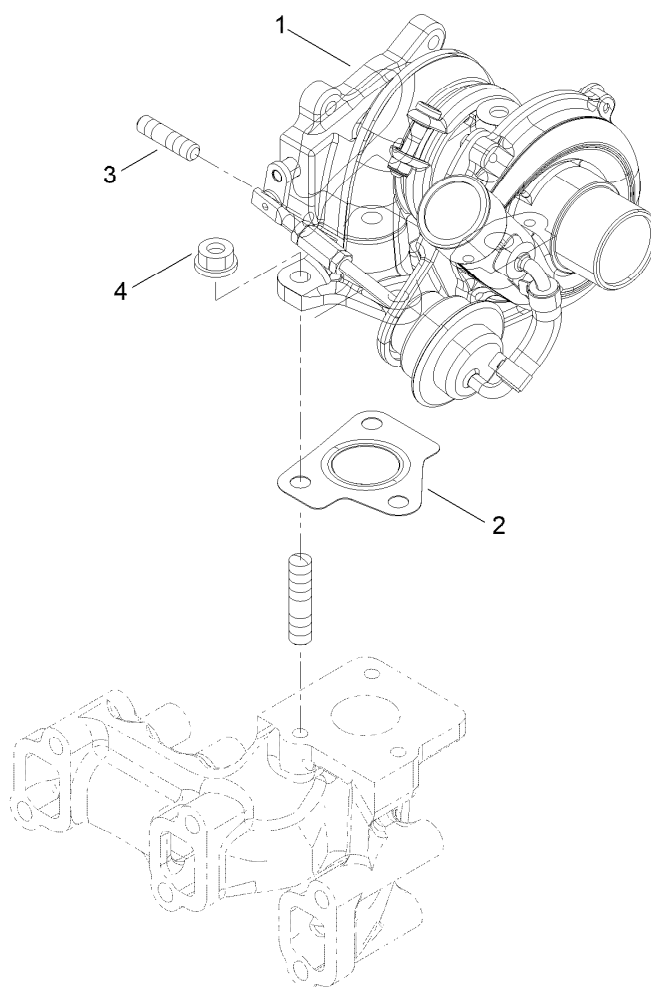
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	127-3019	1	Gasket	23	127-3039	2	Bolt-Joint, Pipe
3	127-4764	1	Sensor-Temp, Exhaust	24	127-3795	1	Pipe-Sensor
4	127-3112	1	Sensor-Temp, Exhaust	25	127-3056	4	Gasket-Sensor
5	127-3783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

Camshaft and Driving Gear Assembly



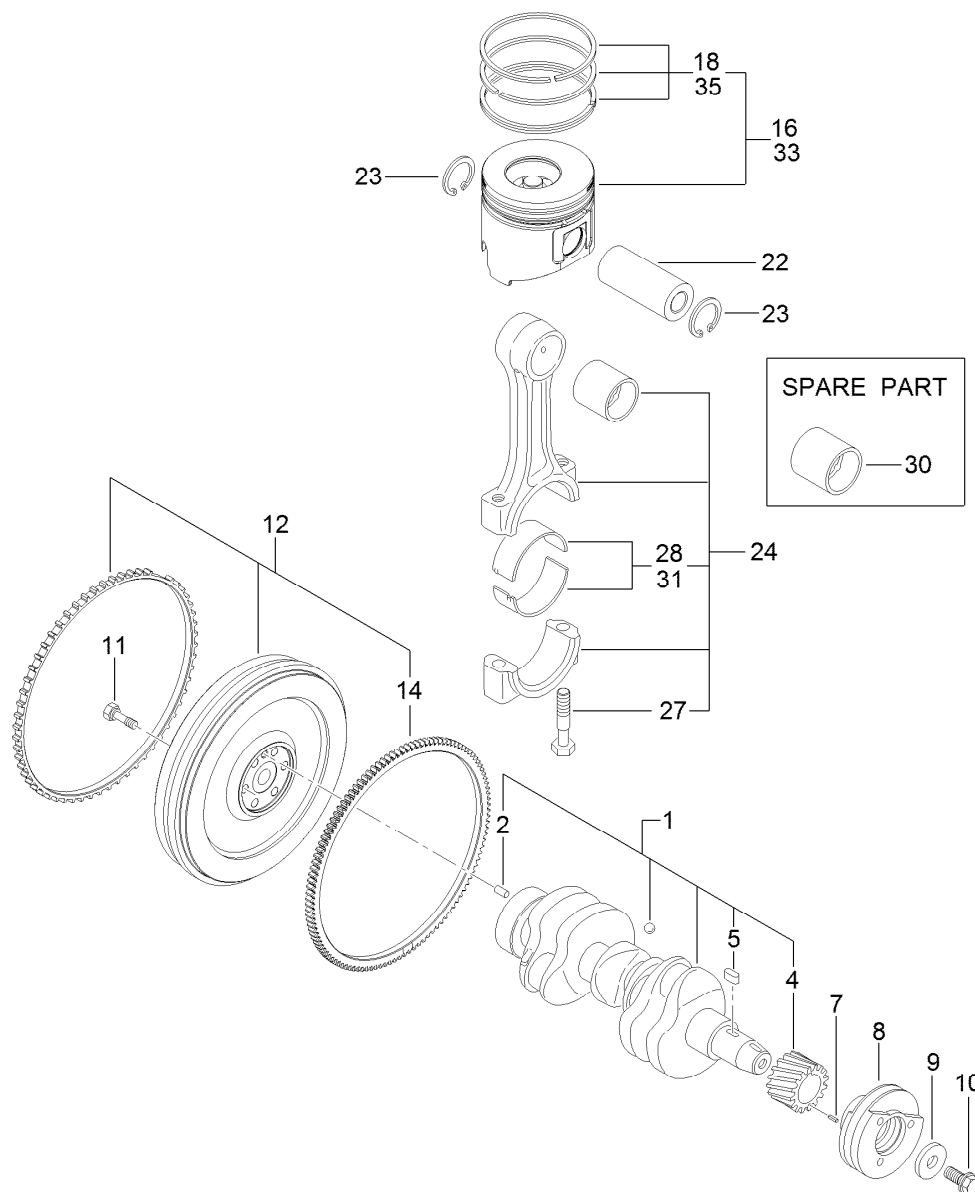
Camshaft and Driving Gear Assembly (continued)

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



Turbine Assembly

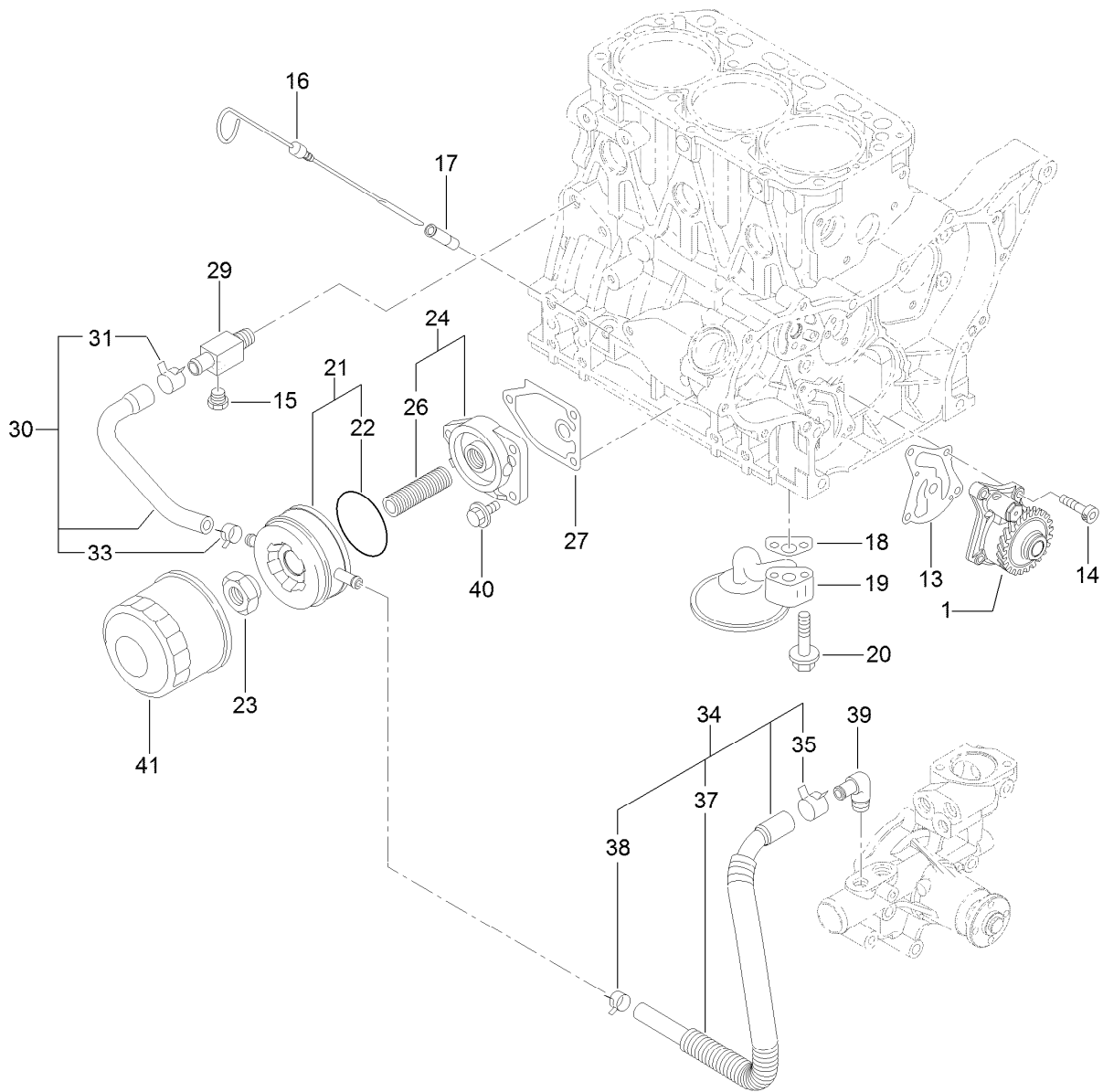
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	135-4151	1	Turbocharger
2	127-3799	1	Gasket-In, T C
3	125-6906	4	Stud
4	125-7229	3	Nut



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

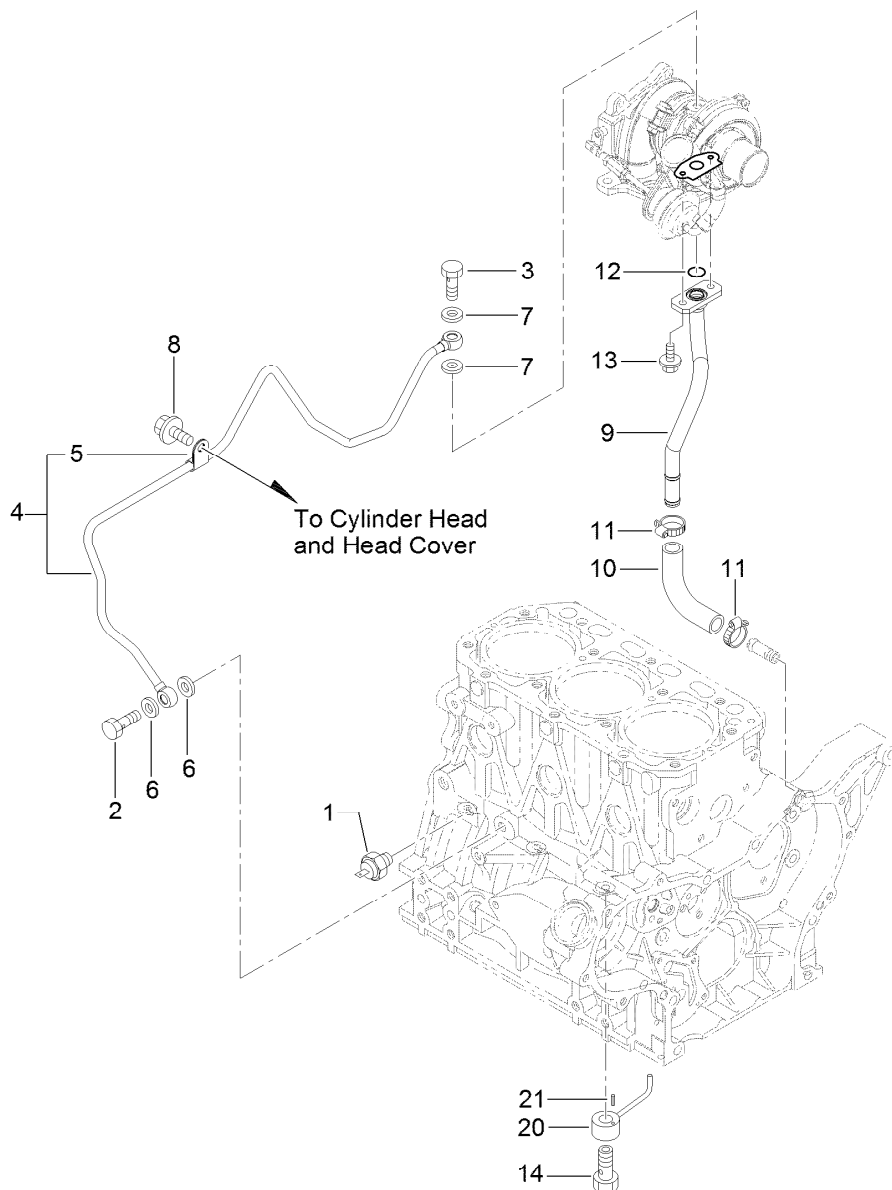
Ref.	Part Number	Qty.	Description
16	127-3097	3	Piston ASM
18	127-3098	3	Piston Ring ASM
22	125-7030	3	Pin
23	125-7180	6	Ring
24	125-7242	3	Connecting Rod ASM
27	125-6955	6	Bolt
28	125-7018	3	Pin-Crank
30	125-6997	3	Pin-Piston
31	125-7019	3	Pin-Crank (.25)
33	127-3099	3	Piston ASM (0.25 O.S.)
35	127-3100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

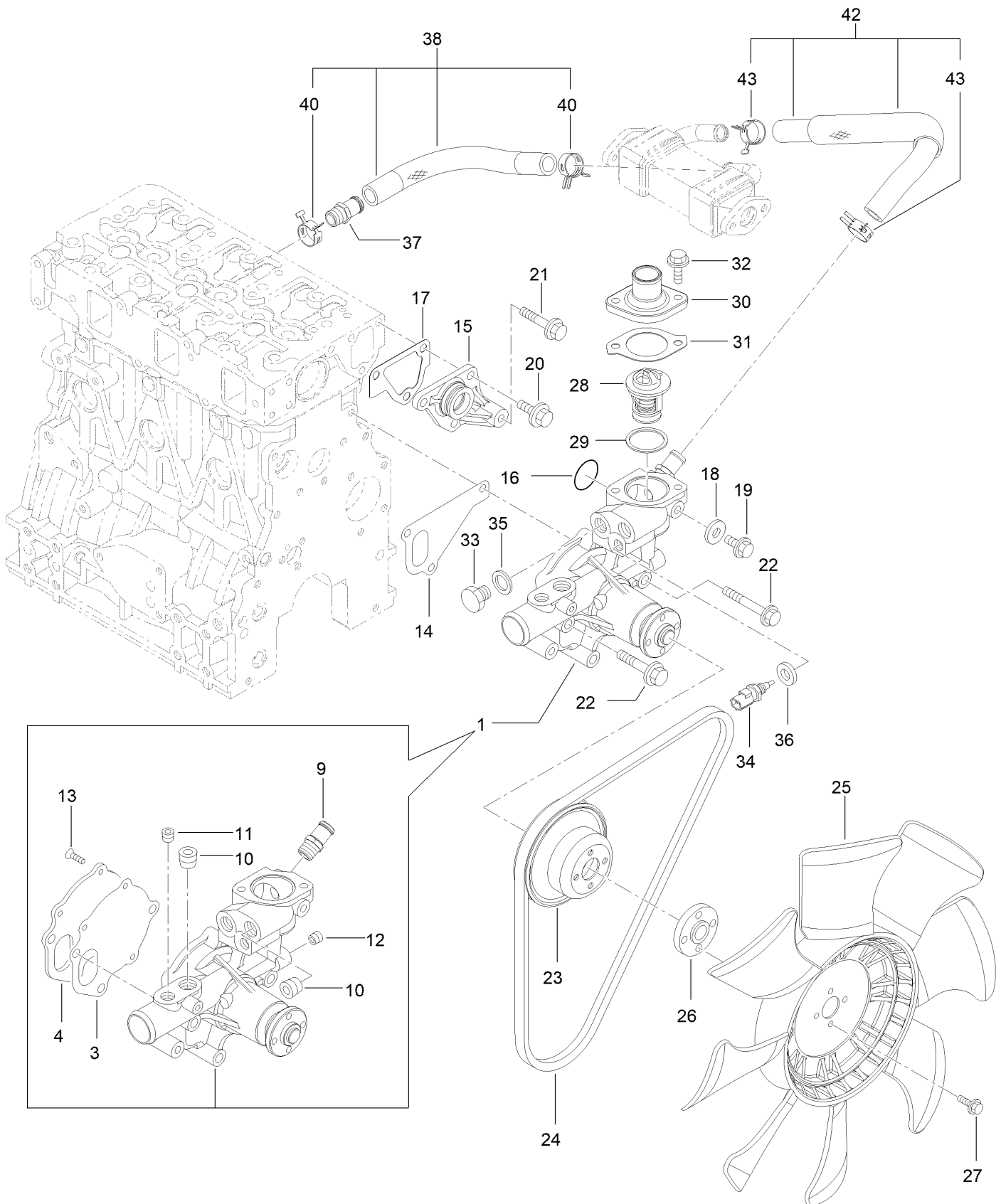


Lubrication Oil Line Assembly

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

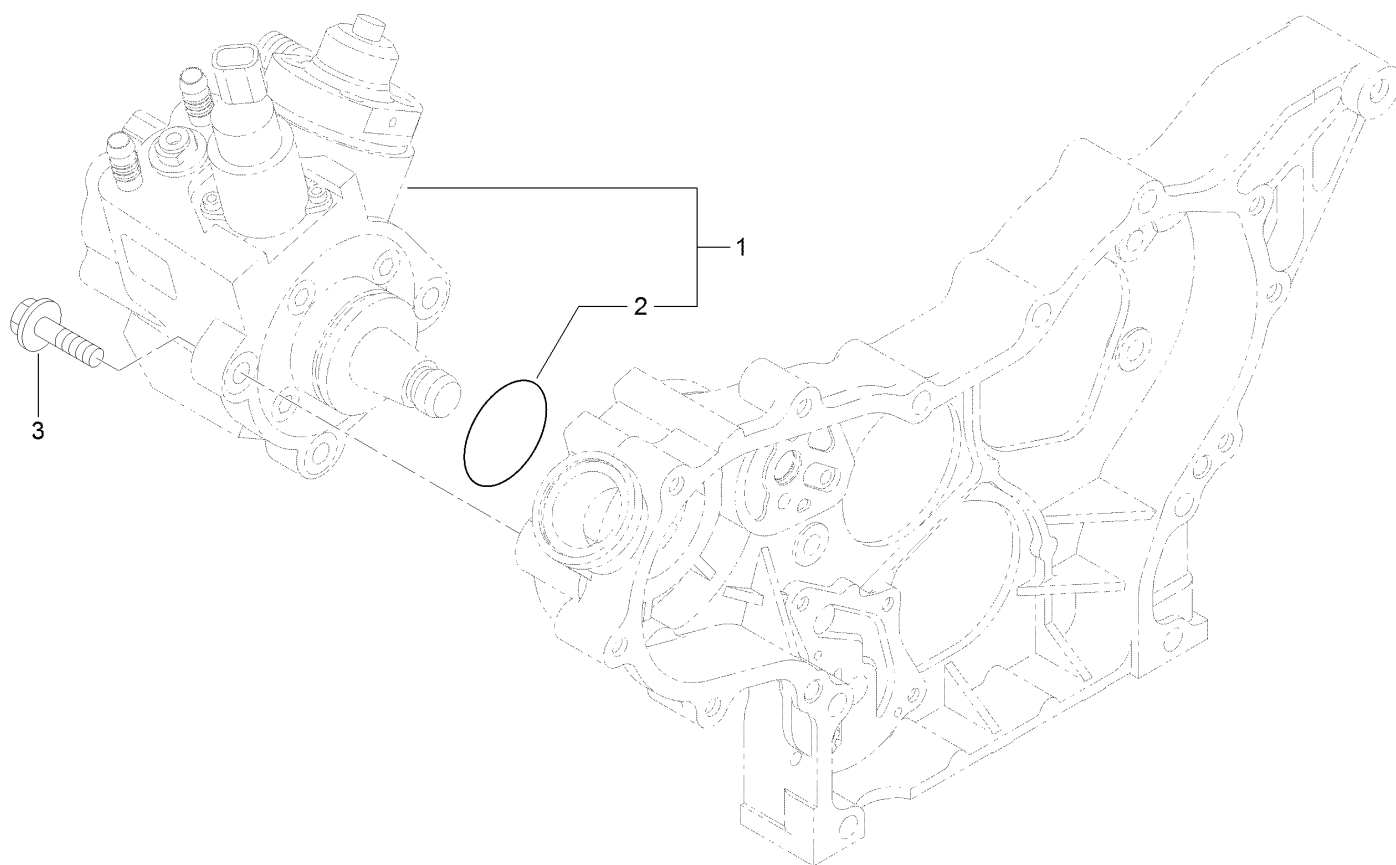
Cooling Water System Assembly



Cooling Water System Assembly (continued)

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

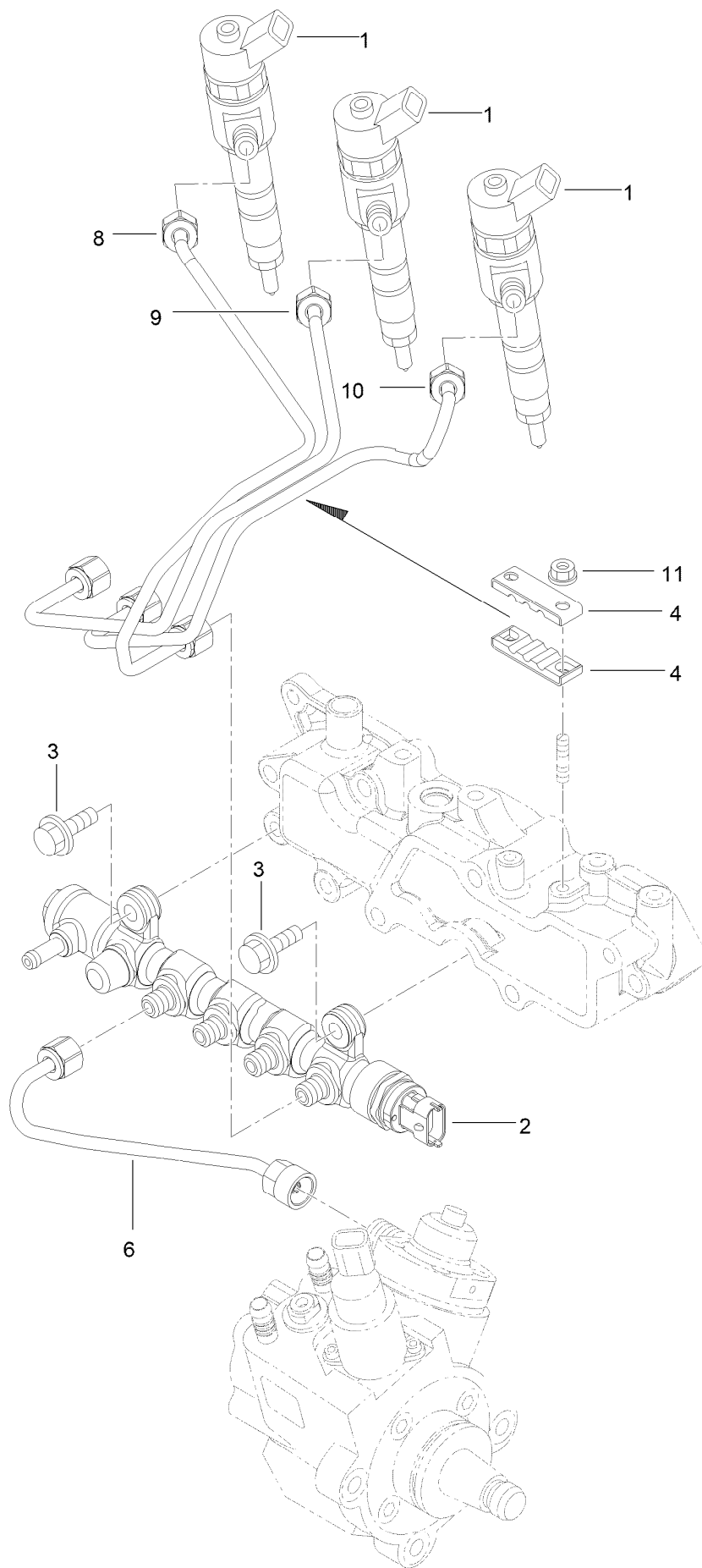
Fuel System Assembly



Fuel System Assembly (continued)

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

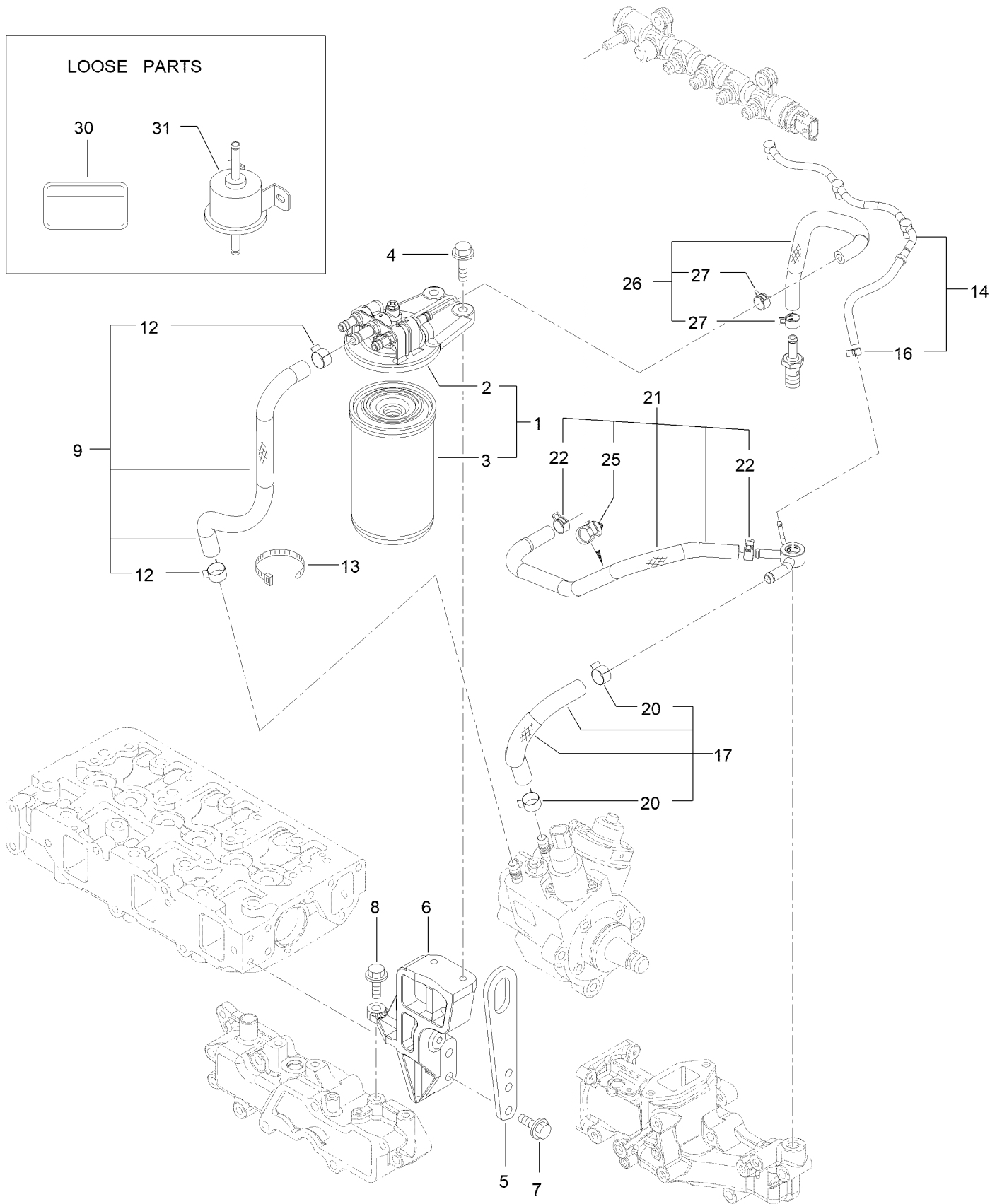
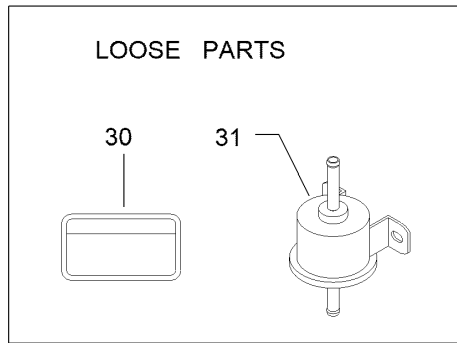
Fuel Injection Valve Assembly



Fuel Injection Valve Assembly (continued)

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

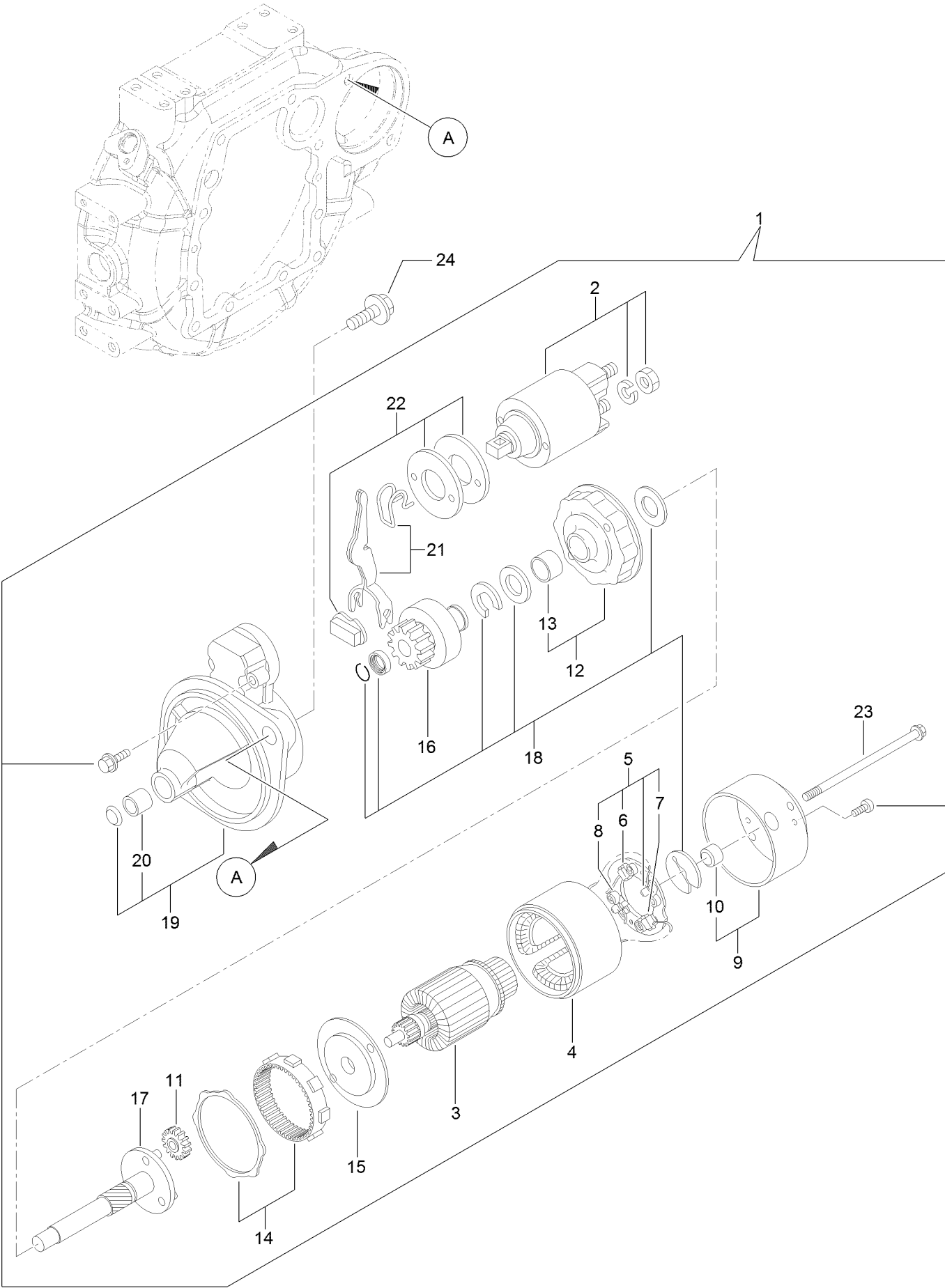
Fuel Line Assembly



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

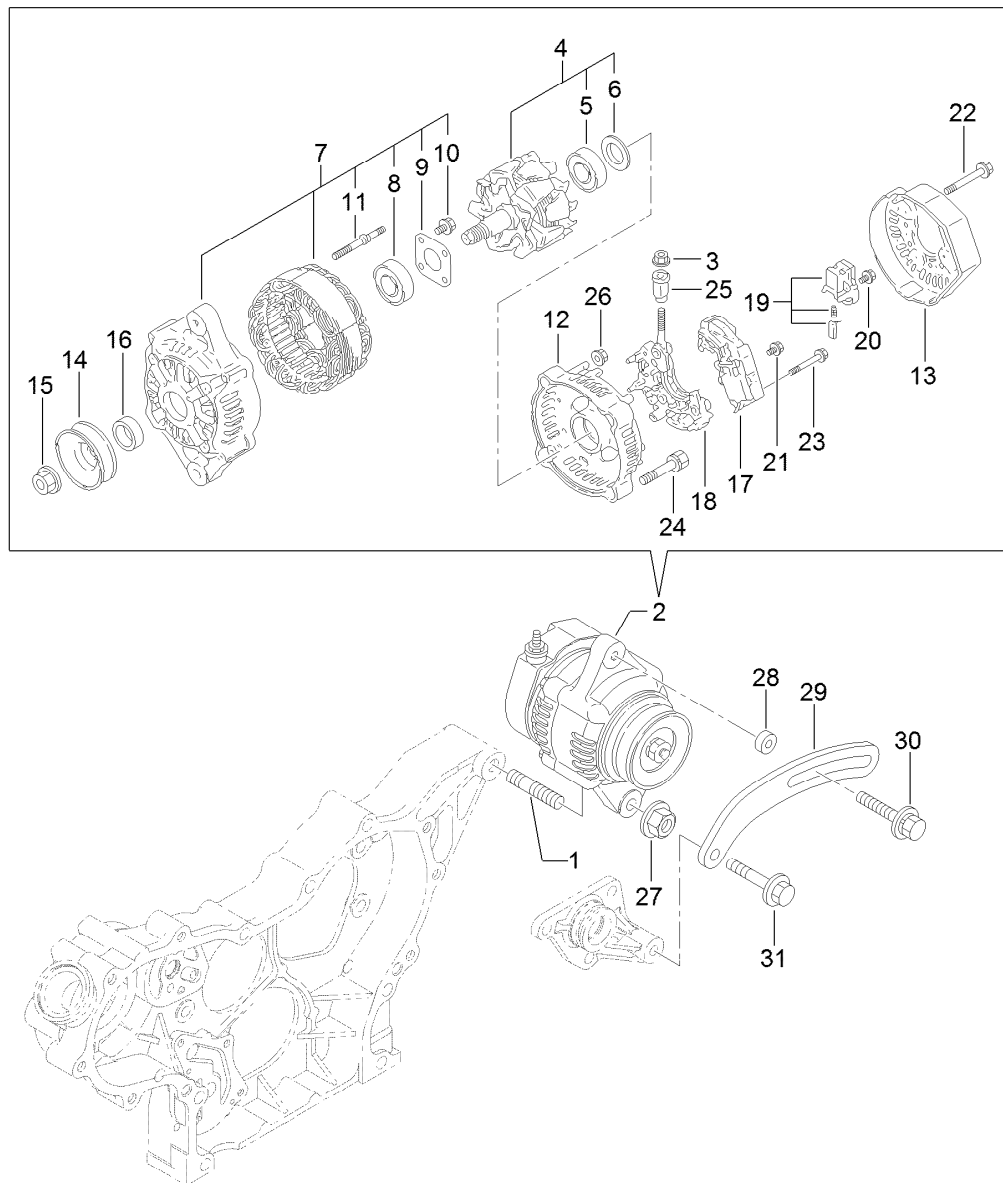
Starting Motor Assembly



Starting Motor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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

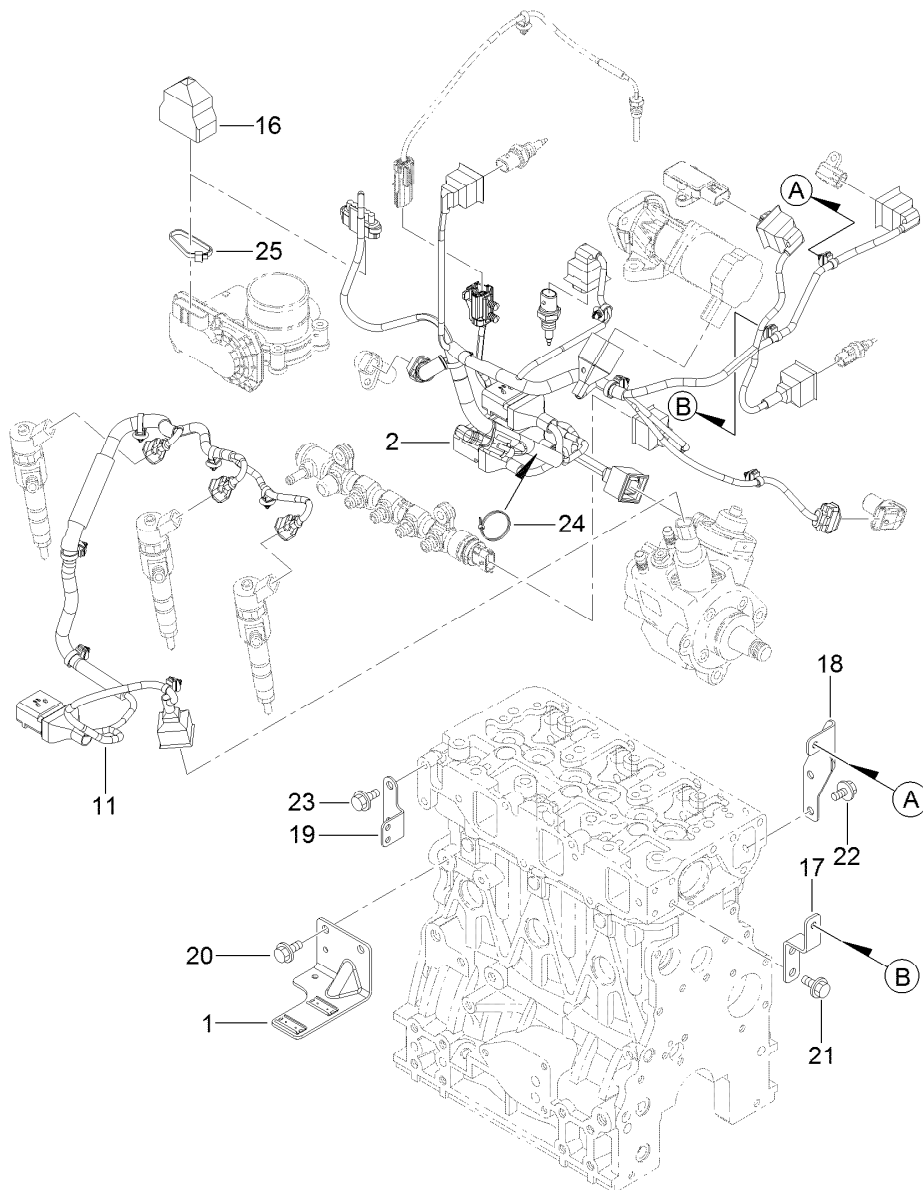
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
13	127-3830	1	Bracket
14	127-3831	1	Gear
15	127-3832	1	Bracket
16	127-3833	1	Pinion ASM
17	127-3834	1	Shaft
18	127-3835	1	Washer Set
19	127-3836	1	Case ASM
20	127-3837	1	Metal-Starter
21	127-3838	1	Lever Set
22	127-3839	1	Dust Cover ASM
23	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

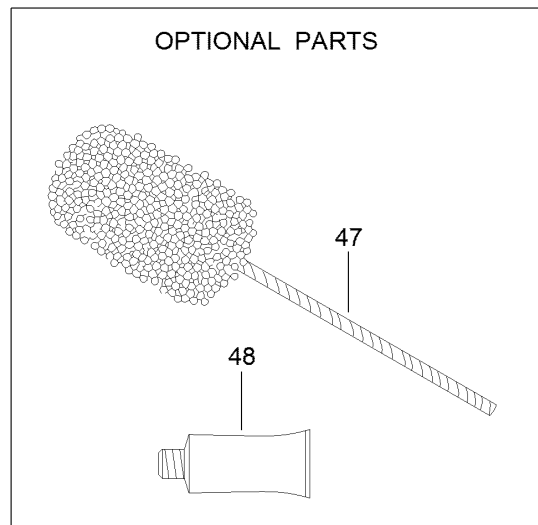
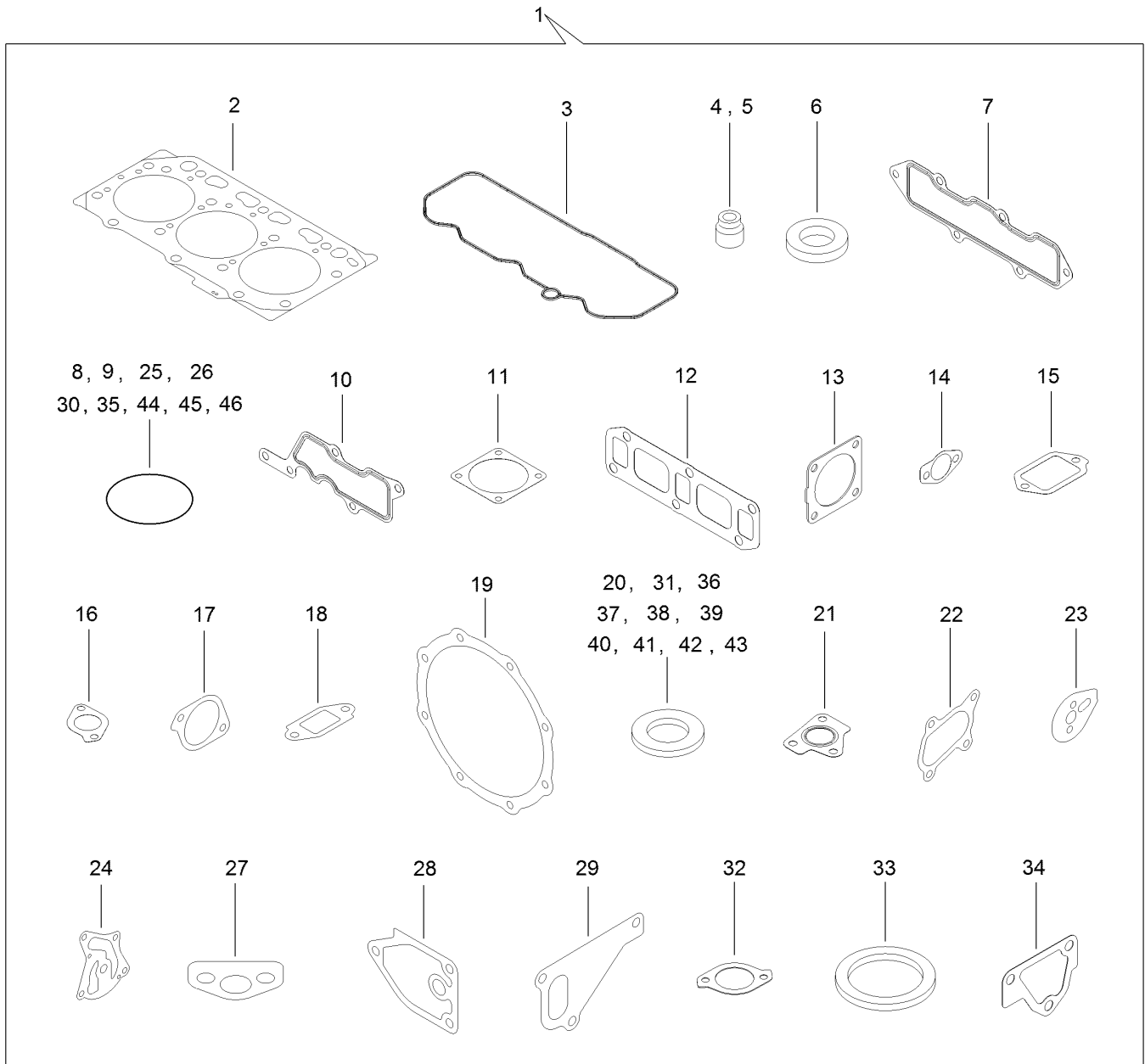
Ref.	Part Number	Qty.	Description
17	127-3847	1	Regulator ASM
18	127-3848	1	Holder
19	127-2993	1	Holder
20	127-2965	6	Screw
21	127-2966	1	Screw
22	127-2967	3	Bolt
23	127-2968	2	Screw
24	127-2969	2	Bolt
25	127-2970	1	Bushing-Insulation
26	127-2971	2	Nut
27	125-7230	1	Nut
28	125-6947	1	Spacer
29	127-2977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



Gasket Set (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	127-3854	1	Gasket Kit	25	125-6909	2	O-Ring
2	127-3751	1	Head Gasket ASM	26	127-2973	1	O-Ring
3	127-3762	1	Gasket-Cover, Cylinder Head	27	125-7022	1	Gasket
4	127-2986	3	Seal-Stem, Valve	28	125-7024	1	Gasket
5	127-3027	3	Seal-Stem, Valve	29	125-7047	1	Gasket
6	127-3021	3	Gasket-Injector	30	125-7048	1	O-Ring
7	127-3769	1	Gasket-Manifold, Intake	31	125-6979	1	Gasket
8	127-3032	2	O Ring-Sensor, Pressure	32	125-7110	1	Gasket
9	127-3033	1	O-Ring	33	125-7026	1	Gasket
10	127-3034	1	Gasket-Collector	34	125-6978	1	Gasket
11	127-3037	2	Gasket-Throttle	35	127-3074	1	O-Ring
12	127-3775	1	Gasket-Manifold, Exhaust	36	125-7174	1	Washer-Seal
13	127-3019	1	Gasket	37	125-7175	2	Washer-Seal
14	127-3043	2	Gasket-Cooler, E G R	38	125-7176	1	Washer-Seal
15	127-3046	1	Gasket-E G R	39	127-3166	2	Washer-Seal
16	127-3016	1	Gasket	40	125-7177	1	Washer-Seal
17	127-3050	1	Gasket-Intake Valve, E G R	41	125-7192	1	Gasket
18	127-3051	1	Gasket-Out Valve, E G R	42	125-7193	2	Gasket
19	127-3787	2	Gasket-D P F	43	127-3174	2	Gasket
20	127-3056	4	Gasket-Sensor	44	93-0418	3	O-Ring
21	127-3799	1	Gasket-In, T C	45	125-7197	3	O-Ring
22	127-3779	1	Gasket-Out, T C	46	125-7198	1	O-Ring
23	127-3069	1	Gasket-Idle, Shaft B	47	125-7038	1	Hone
24	127-3004	1	Gasket	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
22in Atomic Blade.....	114-0435-03
Premium Engine Oil 10w30 (5 Gallon Pail)	121-6393
22in Combo Blade	108-7395-03
Mulching Kit.....	117-0185
Roller Scraper Kit.....	117-0149
Roller Asm (UHMW)	131-7800
Service Pack-Combo Blade	119-6957
22in Sectional Roller Assembly	137-6147
5in Air Cleaner Safety Element.....	114-4057
PX Hydraulic Fluid (55 Gal).....	133-8087
PX Hydraulic Fluid (5 Gal)	133-8086
Mvp Kit-Hyd Hose.....	145-2577
Wheel Weight Kit	104-1478
MVP Kit 1000 Hour-rm5x10/gm4300 Yanmar	145-2580
EU Light Kit.....	31579
Fuel Cooler Kit [yanmar Rm5x10, Gm4300]	139-6040
White Universal Sunshade	30669
Red Universal Sunshade	30671
Operator Cooling Fan	03247
Hi-Back Seat Cover	133-1308
Switch Panel-Universal Sunshade.....	03248
Power Harness Kit (RM5XXX)	138-2994
Operator Golf Ball Guard, Reelmaster 3100/3500/5010 or Groundsmaster 3500/4300 Series Traction Unit	03614
Beacon Kit	138-2699
Work Lights Kit, Groundsmaster and Reelmaster Traction Units with Universal Sunshade.....	140-1554
Semi-Gloss Black Spray Paint.....	361-9
Premium All Purpose Grease (Tube)	108-1190
Dark Metallic Gray Aerosol Paint	361-12
New Red Paint - Gallon	361-11
Air Dry Red Paint - Qt	5340
Spark Arrestor	98-9099

Notes:

Notes:

Notes:



Count on it.