



Form No. 3372-805 Rev D

Count on it.

Parts Catalog

Groundsmaster® 3400-D 4-Wheel Drive Traction Unit

Model No. 30651—Serial No. 312000001 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.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HP: high pressure

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: low pressure

LPG: Liquefied Petroleum Gas

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

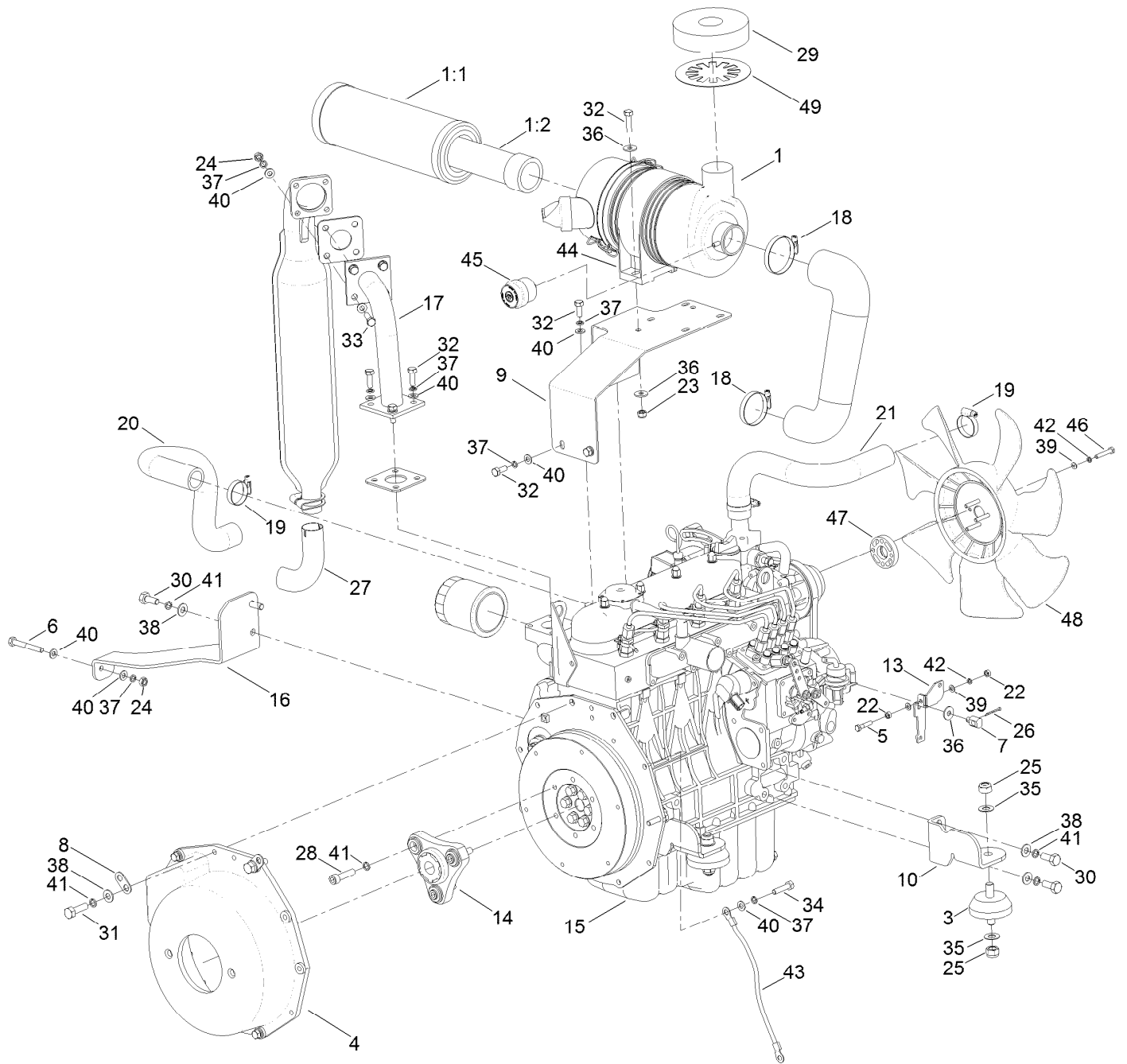
TAP: self tapping

TTH: torx truss head

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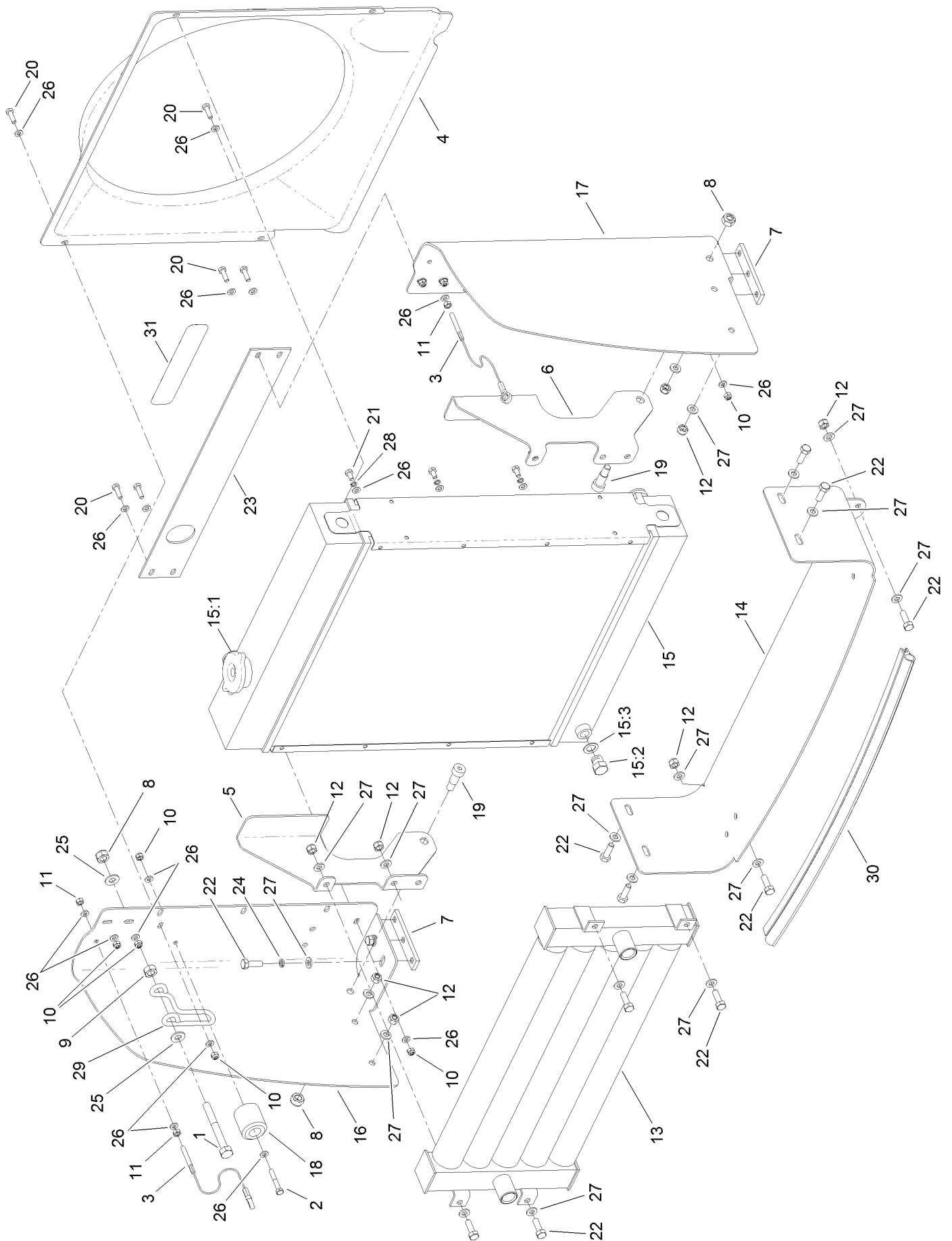
Engine and Mounting Assembly



Engine and Mounting 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	111-3805	1	Air Filter ASM	26	70-11-005	1	Pin-Split
1:1	111-3808	1	Filter-Element, Main	27	940213	1	Tail Pipe-Exhaust
1:2	111-3809	1	Filter-Element, Safety	28	111-3806	3	Screw-HSH
3	910816	4	Isomount-Engine	29	111-3555	1	Seal-Air Intake
4	922851	1	Housing-Bell	30	50-11-005	10	Screw-HH
5	09547	1	Screw-HH	31	111-0597	2	Screw-HH
6	09371	1	Bolt	32	03162	10	Screw-HH
7	111-3298	1	Pivot-Throttle, Boss	33	09369	4	Screw-HH
8	74-01-327	2	Bracket-Loom, Tie	34	ZDH1H035U	8	Screw-HH
9	111-2588-03	1	Bracket-Air Cleaner	35	09283	8	Washer
10	111-3043-03	4	Bracket-Mount, Engine	36	09267	5	Washer
13	111-3299-03	1	Bracket-Throttle	37	03469	20	Washer-Spring
14	111-2556	1	Coupling	38	ZWQ1J000U	12	Washer-Plain
15	111-1290	1	Engine-Kubota	39	ZWP1F000U	6	Washer-Plain
16	111-3045-03	1	Stay-Exhaust	40	ZWP1H000U	26	Washer-Plain
17	111-4012	1	Flange-Exhaust	41	09480	15	Washer-Lock
18	65-07-042	2	Clip-Hose	42	09474	5	Washer-Spring
19	924438	4	Clamp-Hose	43	70-09-023	1	Cable-Earth
20	111-2567	1	Hose-Bottom, Radiator	44	111-3807	1	Bracket-Mounting, Air Filter
21	910921	1	Hose-Top	45	953870	1	Indicator-Filter Blockage
22	09437	2	Nut	46	09645	4	Setscrew-HH
23	09441	2	Nut-Hex, NI	47	104-4247	1	Spacer-Fan
24	ZNH1H000U	5	Nut-Hex	48	110-0966	1	Fan-Cooling
25	09231	8	Nut-Hex, Nyloc	49	111-6937-03	1	Washer-Pad, Intake Air

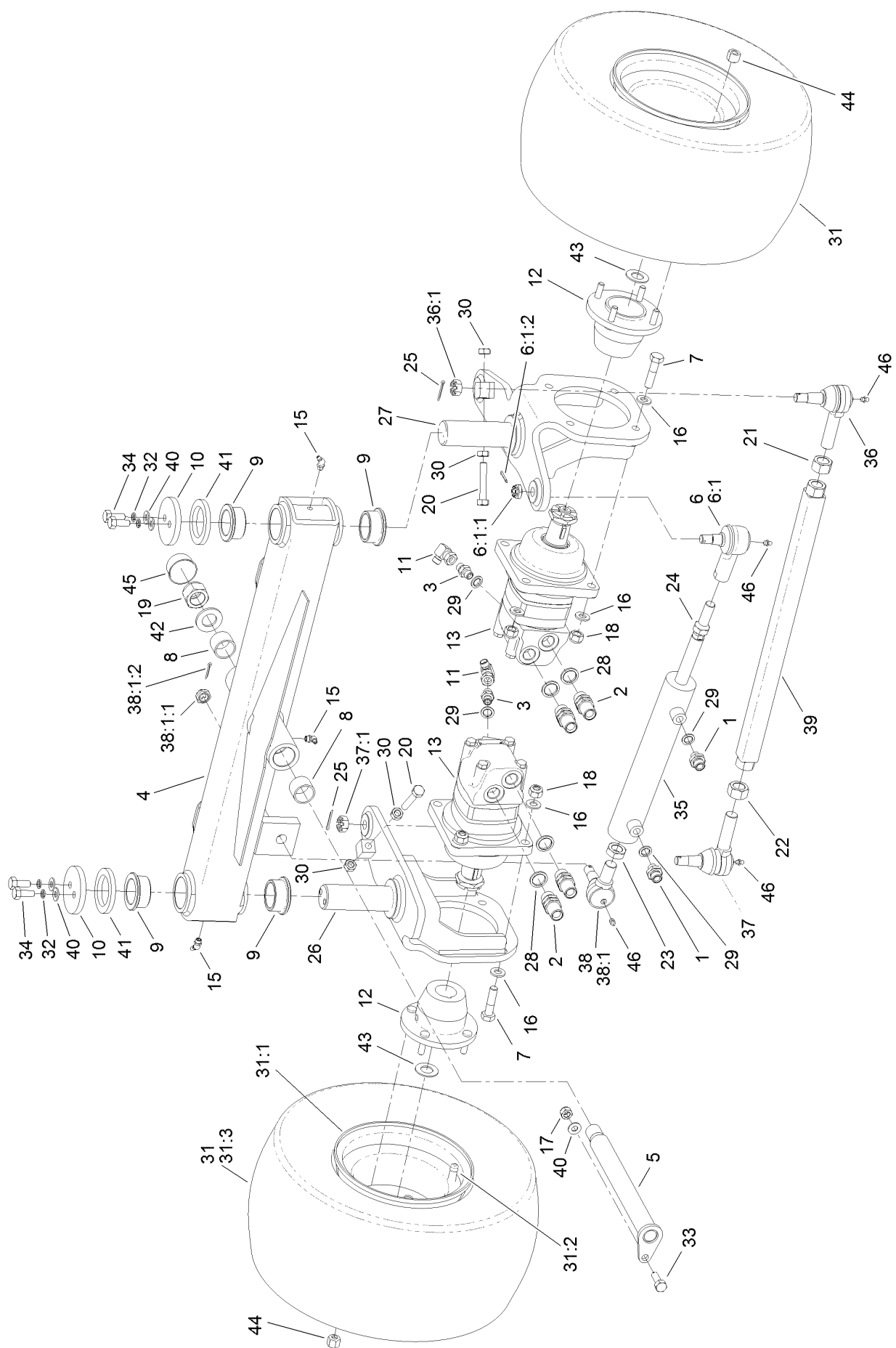
Radiator and Shroud Assembly



Radiator and Shroud 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	ZBH1J090U	1	Screw-HH	15:3	200134	1	Washer
2	ZBH1F040U	2	Screw-HH	16	111-3006-03	1	Bracket-Radiator, LH
3	924825	2	Cable-Stay, Cover	17	111-3007-03	1	Bracket-Radiator, RH
4	111-3301	1	Cowl-Fan	18	61-07-003	2	Buffer-Rubber
5	111-3010-03	1	Hinge-Oil Cooler, LH	19	ZIS1J020S	2	Bolt-Shoulder, Socket Head
6	111-3011-03	1	Hinge-Oil Cooler, RH	20	09363	8	Screw-HH
7	111-3281	2	Bar-Nut	21	09361	6	Screw-HH
8	ZNN1J000U	3	Nut-Hex, NI	22	03162	14	Screw-HH
9	09449	1	Nut	23	111-3008-03	1	Seal-Top
10	09438	10	Nut-Nyloc	24	03469	6	Washer-Spring
11	09437	4	Nut	25	ZWQ1J000U	2	Washer-Plain
12	09441	10	Nut-Hex, NI	26	09472	30	Washer-Plain
13	70-06-171	1	Cooler-Oil	27	ZWP1H000U	24	Washer-Plain
14	111-3009-03	1	Plate-Seal, Lower	28	09474	6	Washer-Spring
15	111-5193	1	Radiator ASM	29	104-5429	1	Clamp-Form, Wire
15:1	70-07-138	1	Cap-Radiator	30	994808	3	Excluder-Draught
15:2	30-06-200	1	Plug-HYD	31	111-3902	1	Decal-Engine, Fan/Radiator

Rear Axle Assembly



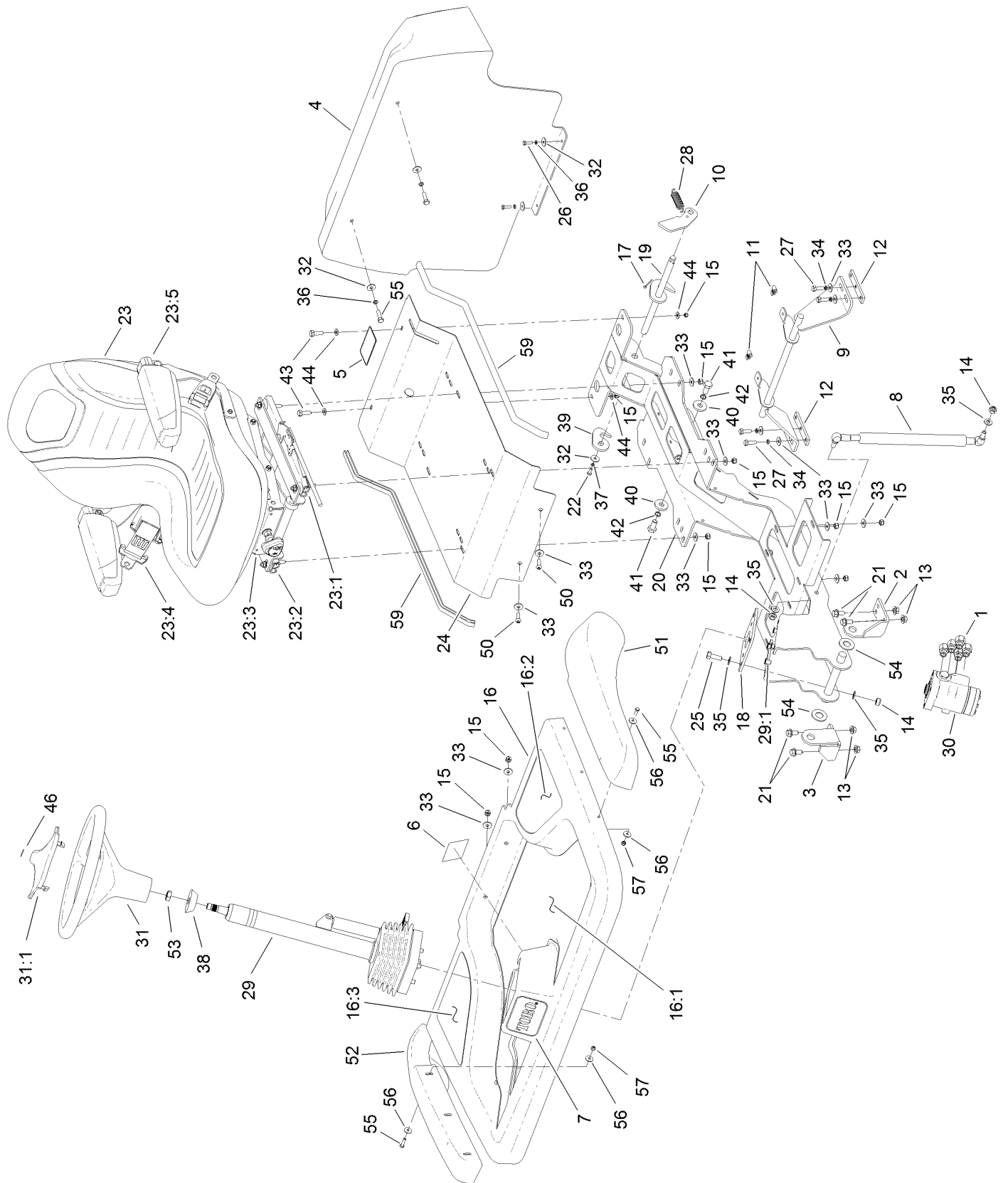
Rear Axle Assembly (continued)

<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	50-06-009	2	Adaptor-Bsp	27	111-4983-03	1	LH Rear Yoke ASM
2	09-06-216	4	Adaptor-Bulkhead	28	10-06-032	4	Seal-Dowty
3	10-06-085	2	Adaptor	29	10-06-030	4	Seal-Dowty
4	111-4995-03	1	Axle-Rear	30	09449	4	Nut
5	111-3265	1	Pin-Axle	31	924050	2	Wheel-Rear
6	111-5088-03	1	Joint-Ball, Steering Cylinder	31:1	65-07-025	1	Rim-Wheel
6:1		1	Joint-Ball ■	31:2	72-07-068	1	Tube-Inner
6:1:1	111-5116	1	Nut-Castle	31:3	924803	1	Tire
6:1:2	09306	1	Pin-Split	32	09480	4	Washer-Lock
7	09552	8	Screw-HH	33	09392	1	Screw-HH
8	70-05-031	2	Bushing	34	09395	4	Screw-HH
9	111-3681	4	Bushing-Flanged, Oilite	35	924724	1	HYD Steering Cylinder ASM
10	70-01-197	2	Cap-Washer	35:1	111-4872	1	Seal Kit ●
11	31-06-004	2	Elbow-Compact	36	70-07-002W	1	Joint-Ball, Track Rod
12	111-5176-03	2	Wheel Hub ASM	36:1	HY09731	1	Nut-Castle
13	111-2260	2	HYD Motor ASM	37	70-07-003W	1	Joint-Ball, Track Rod
13:1	111-3421	1	Seal Kit ●	37:1	HY09731	1	Nut-Castle
15	63-07-027	3	Zerk-Grease, Bsp (90 DEG)	38	111-5087-03	1	Joint-Ball
16	HY09485	16	Washer-Plain	38:1		1	Joint-Ball ■
17	ZNN1J000U	1	Nut-Hex, NI	38:1:1	111-5116	1	Nut-Castle
18	09650	8	Nut-Hex, Nyloc	38:1:2	09306	1	Pin-Split
19	ZNN1X000U	1	Nut-Hex, Nyloc	39	111-2560-03	1	Rod-Track
20	ZDH1J060U	2	Setscrew-HH	40	ZWQ1J000U	5	Washer-Plain
21	70-11-002	1	Nut	41	70-07-149	2	Washer-Felt
22	70-11-001	1	Nut	42	09555	1	Washer
23	09828	1	Nut	43	ZWP1T000U	2	Washer-Plain
24	09827	1	Nut	44	65-07-009	8	Nut-Wheel, Dome
25	70-11-005	2	Pin-Split	45	10-11-100	1	Cap-Nut
26	111-4982-03	1	RH Rear Yoke ASM	46	63-11-001	4	Nipple-Straight, Nf

● Not illustrated

■ Not serviced separately

Steering Column, Seat and Platform Assembly

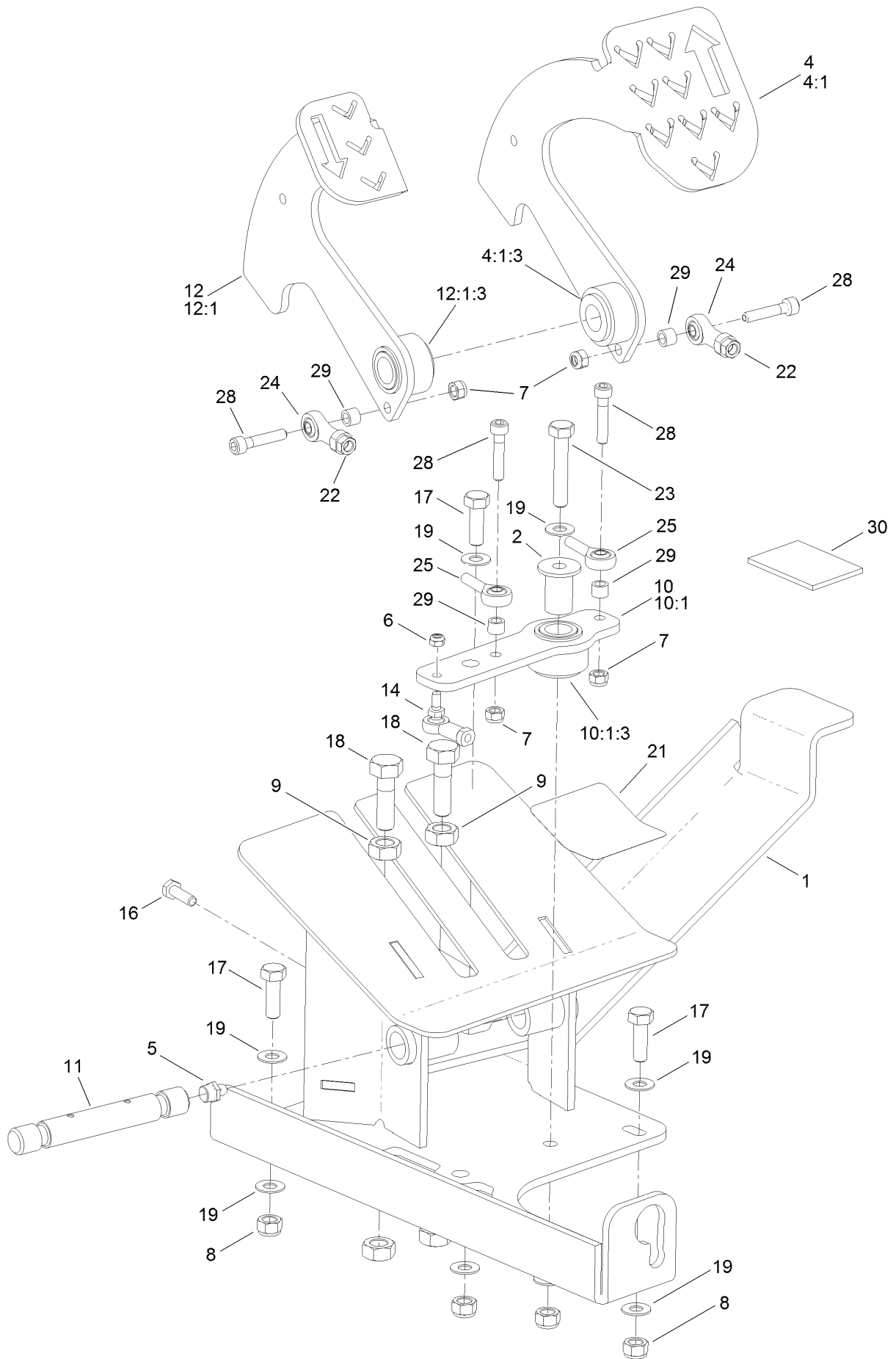


Steering Column, Seat and Platform Assembly (continued)

<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	111-3509	5	Adaptor	26	09363	2	Screw-HH
2	111-3243-03	1	Bracket-Platform Pivot, LH	27	03162	4	Screw-HH
3	111-2665-03	1	Bracket-Platform Pivot, RH	28	70-07-063	1	Spring-Extension
4	111-3293	1	Bulkhead	29	111-2576	1	Steering Column ASM
5	111-3566	1	Decal-Latch, Platform	29:1	111-3505	4	Bolt
6	111-3562	1	Decal	30	111-2574	1	HYD Steering Pump ASM
7	67-1300	1	Decal	31	98-1471	1	Wheel-Steering
8	111-3510	1	Spring-Gas	31:1	98-1468	1	Cover-Wheel, Steering
9	111-3140-03	1	Bar-Latch	32	09263	5	Washer
10	111-3269-03	1	Lever-Latch, Platform	33	09267	20	Washer
11	410076	2	Nut	34	03469	4	Washer-Spring
12	111-3281	2	Bar-Nut	35	ZWQ1J000U	10	Washer-Plain
13	63-11-015	4	Nut-Flanged	36	09264	4	Washer-Spring
14	ZNN1J000U	6	Nut-Hex, NI	37	09474	1	Washer-Spring
15	09441	16	Nut-Hex, NI	38	93-5429	1	Collar-Foam
16	111-3296	1	Operator Platform ASM	39	111-3268	1	Latch-Plate, Platform
16:1	111-3506	1	Mat-Floor	40	63-01-115	2	Washer
16:2	111-3507	1	Mat-Side, LH	41	09571	2	Screw-HH
16:3	111-3508	1	Mat-Side, RH	42	09599	2	Washer-Lock
17	70-11-004	1	Pin-Split	43	03162	2	Screw-HH
18	111-2899-03	1	Plate-Mount Pump, Steering	44	ZWP1H000U	4	Washer-Plain
19	111-3266	1	Latch-Platform	46	98-1459	1	Decal
20	111-2640-03	1	Support-Platform	47	111-3779	1	Cable, Seat Switch / Beacon - Kit ●
21	63-11-018	4	Screw-Durloc	50	ZHS1H025U	2	Screw-HSBH
22	09362	1	Screw-HH	51	111-4921	1	Mudguard-LH
23	111-3500	1	Seat ASM (W/Seat Belt)	52	111-4922	1	Mudguard-RH
23:1	111-3498	1	Adjuster-Rail, Seat	53	09827	1	Nut
23:2	111-3499	1	Rail-Adjuster, Slave	54	09499	2	Washer
23:3	111-3501	1	Suspension-Seat	55	09364	8	Screw-HH
23:4	111-3502	1	Seat Belt ASM	56	61-11-001	12	Washer
23:5	111-3511	1	Arm Rest Kit	57	09438	6	Nut-Nyloc
24	111-3069-03	1	Pan-Seat	59	50-08-001	2	Edging-Rubber
25	09392	4	Screw-HH				

● Not illustrated

Pedal Control Assembly

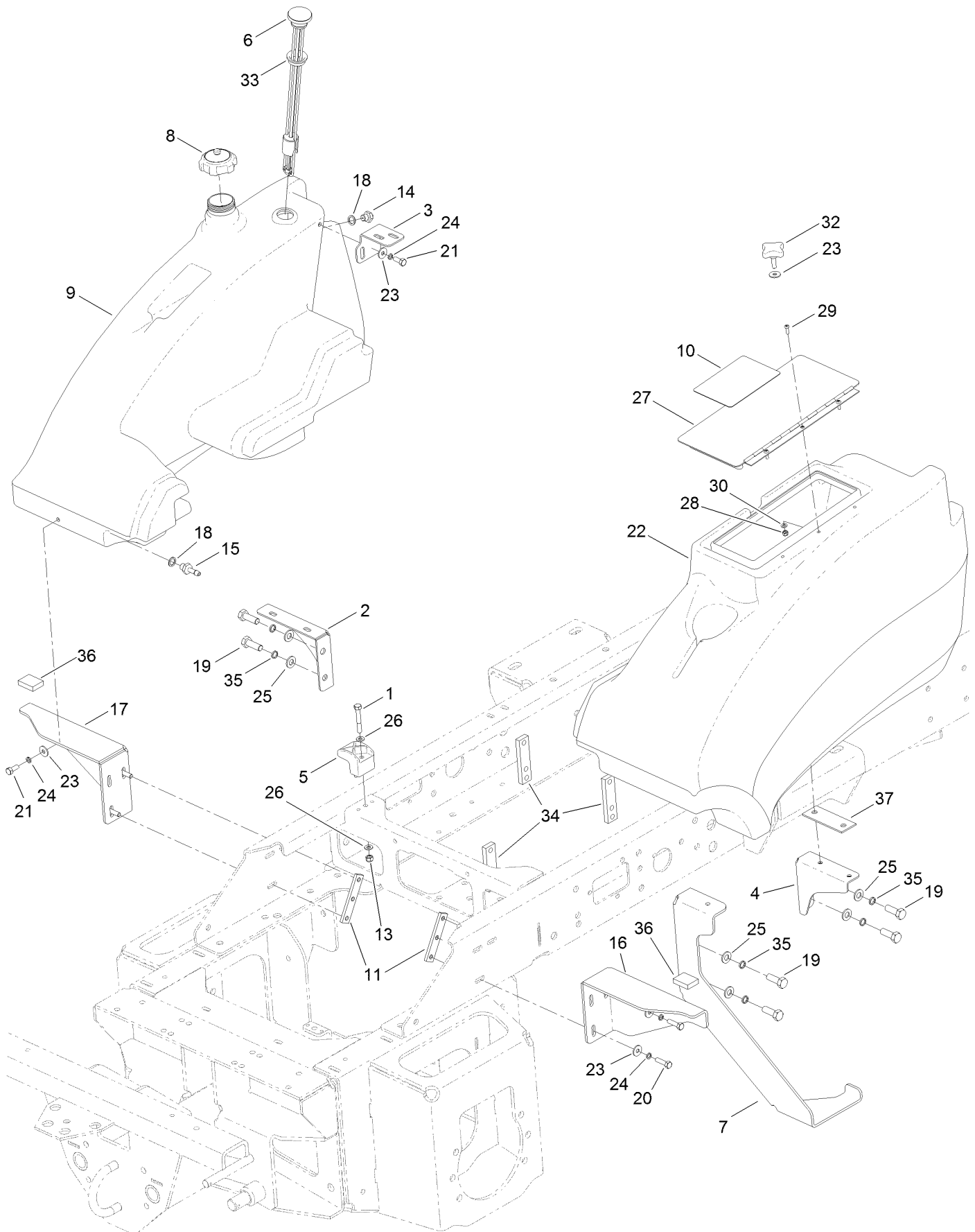


Pedal Control Assembly (continued)

<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	111-2581-03	1	Support-Pedal	12:1:3	953868	1	Bushing-Flange, Oilite
2	111-1378	1	Bushing-Lever, Pedal	14	111-3097	1	Joint-Ball, Female/Male Rod End
4	111-1347-03	1	Forward Pedal ASM	16	09363	2	Screw-HH
4:1		1	Pedal-Forward ●	17	03162	3	Screw-HH
4:1:3	953868	1	Bushing-Flange, Oilite	18	09394	2	Bolt
5	10-11-017	1	Fitting-Straight	19	09475	8	Washer
6	09430	1	Nut-Nyloc	21	111-3567	1	Decal-Pedal Operation
7	09438	4	Nut-Nyloc	22	09437	2	Nut
8	09441	4	Nut-Hex, NI	23	09654	1	Bolt
9	09449	4	Nut	24	111-4579	2	Rod End-Female/Female
10	111-1380-03	1	Pedal Level ASM	25	111-4578	2	Rod End-Male/Female
10:1		1	Lever-Pedal ●	28	111-4586	4	Screw-HSH
10:1:3	953868	1	Bushing-Flange, Oilite	29	340154	4	Bushing
11	111-1310	1	Pin-Control, Pedal	30	HY910808	1	Strip-Neoprene
12	111-1348-03	1	Reverse Pedal ASM				
12:1		1	Pedal-Reverse ●				

● Not serviced separately

Fuel Tank and Storage Pod Assembly

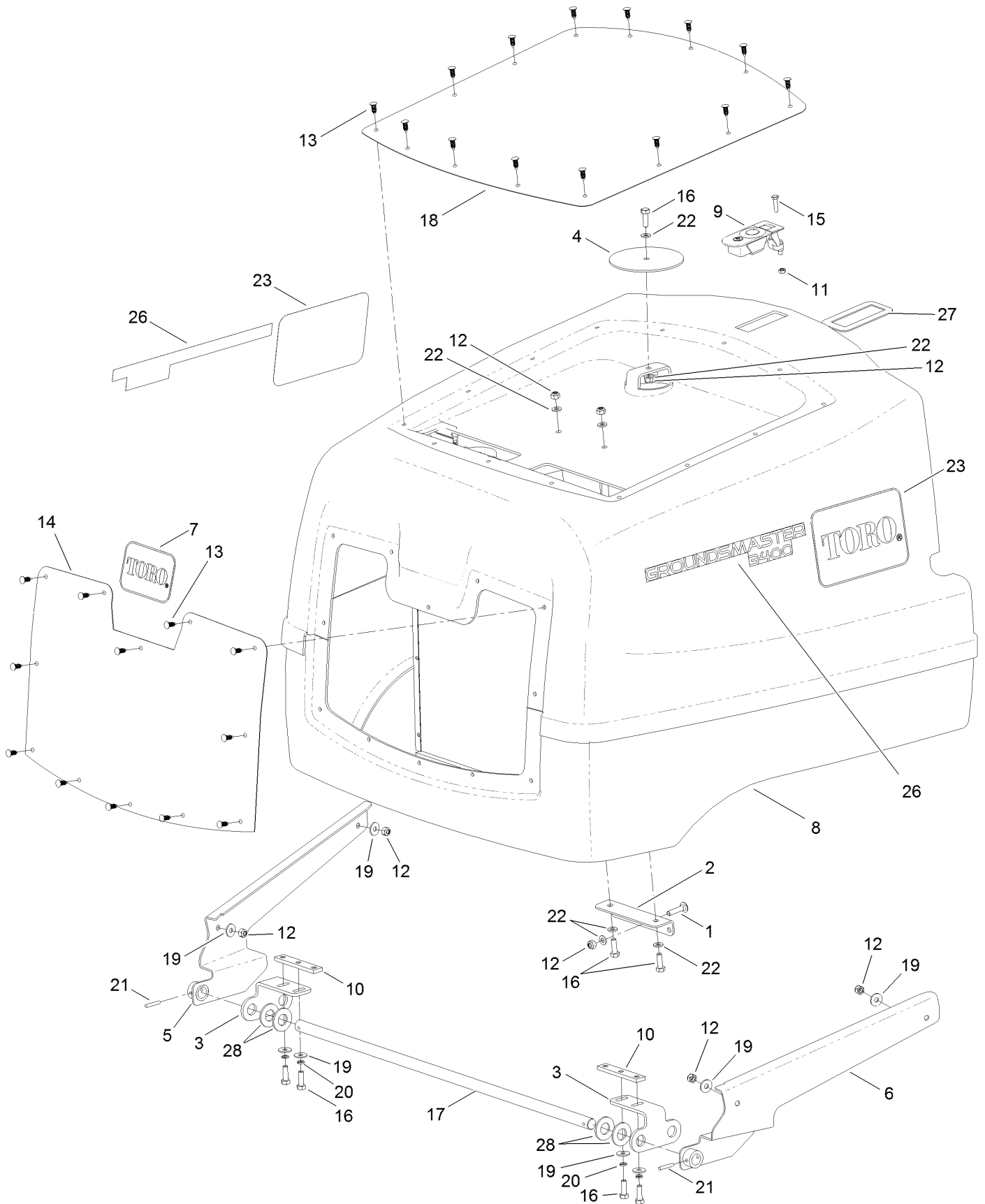


Fuel Tank and Storage Pod Assembly (continued)

<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	09565	1	Screw-HH	21	09368	2	Screw-HH
2	111-3452-03	1	Bracket-Fuel Tank	22	111-3295	1	Pod-Storage
3	111-3453-03	1	Bracket-Fuel Tank, Upper	23	09267	9	Washer
4	111-3424-03	1	Bracket-Storage Pod	24	03469	6	Washer-Spring
5	107-4543	1	Clamp	25	HY09485	6	Washer-Plain
6	111-3292	1	Gauge-Fuel Level	26	ZWP1H000U	2	Washer-Plain
7	111-5364-01	1	Bracket-Step	27	111-3561-03	1	Lid ASM
8	111-3531	1	Cap-Fuel	28	09438	3	Nut-Nyloc
9	111-3294	1	Tank-Fuel	29	111-3381	3	Screw-HSBH
10	111-0936	1	Decal-Warning, Inclines	30	09472	3	Washer-Plain
11	111-3281	2	Bar-Nut	32	111-3666	3	Handwheel
13	09441	1	Nut-Hex, NI	33	111-3678	1	Grommet-Gauge, Fuel Level
14	910352	1	Pipe-Fuel, Return	34	111-4490	3	Bar-Nut
15	910351	1	Pipe-Suction, Fuel	35	09599	6	Washer-Lock
16	111-3454-03	1	Support-Platform, LH	36	111-5386	2	Pad-Rubber
17	111-3455-03	1	Support-Platform, RH	37	111-5388	1	Pad-Rubber, Storage Pod
18	111-3925	2	Washer-Fibre	99	70-07-067	1	Tape-Slip, Anti ●
19	ZDH1L035U	6	Screw-HH				
20	09369	4	Screw-HH				

● Not illustrated

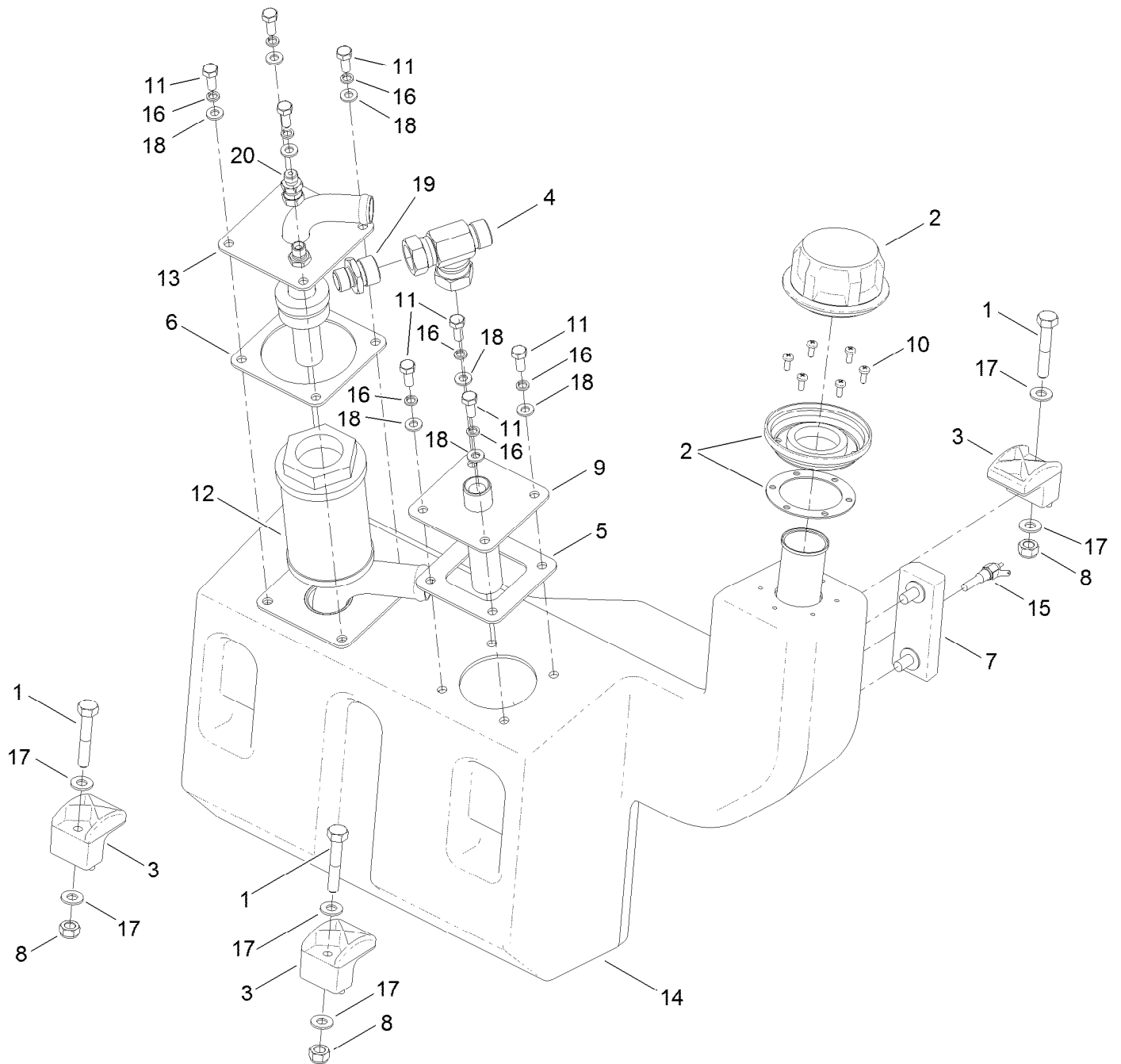
Hood Assembly



Hood 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	09548	1	Bolt-Coach	14	111-3483-03	1	Screen-Rear
2	111-2111-03	1	Bracket-Engine, Cover	15	09364	1	Screw-HH
3	111-3278-03	2	Bracket-Pivot, Rear Cover	16	03162	7	Screw-HH
4	111-3557-03	1	Cover-Air, Intake	17	111-3486	1	Shaft-Hinge, Cover
5	111-3490-03	1	Hinge-Cover, Engine (LH)	18	111-3482-03	1	Screen-Top
6	111-3491-03	1	Hinge-Cover, Engine (RH)	19	09267	8	Washer
7	67-1300	1	Decal	20	03469	4	Washer-Spring
8	111-3297	1	Cover-Engine	21	09730	2	Pin-Spiral
9	950831	1	Latch-Sealed, Lever	22	ZWP1H000U	7	Washer-Plain
10	111-3281	2	Bar-Nut	23	111-3728	2	Decal
11	09437	1	Nut	26	111-4976	2	Decal
12	09441	8	Nut-Hex, NI	27	111-4158-03	1	Plate-Support, Latch
13	114-4899	26	Plug-Plastic	28	09499	4	Washer

Hydraulic Oil Tank Assembly

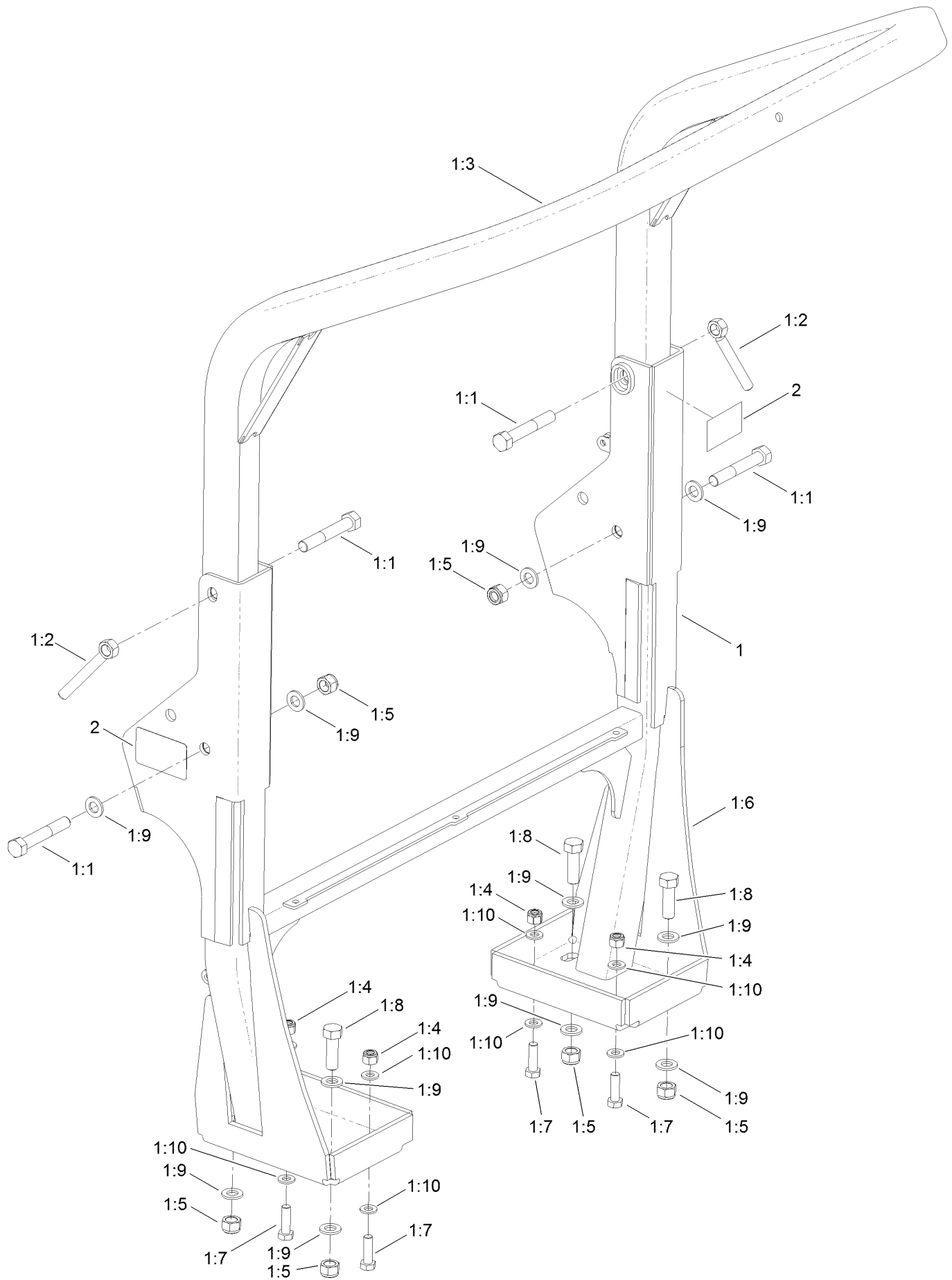


Hydraulic Oil Tank Assembly (continued)

<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	09397	3	Bolt	12	10-06-025	1	Filter-Suction
2	HY910601	1	Cap-Breather, Filler	13	111-4900-03	1	Flange-Suction
3	107-4543	3	Clamp	14	111-3034	1	Tank-Oil, HYD
4	60-06-009	1	Adaptor-Tee	15	940852	1	Switch-Temperature
5	111-3387	1	Gasket-Flange, Return	16	03469	8	Washer-Spring
6	111-3386	1	Gasket-Flange, Suction	17	ZWQ1J000U	6	Washer-Plain
7	65-06-018	1	Gauge-Level, Oil	18	ZWP1H000U	8	Washer-Plain
8	ZNN1J000U	3	Nut-Hex, NI	19	09-06-201	1	Adaptor
9	111-3230-03	1	Flange-Return	20	111-4666	1	Adaptor-Bsp
10	10-11-029	6	Screw-PPH, Taptite	99	10-11-034	1	Clamp-Hose, Hi-Torque ●
11	09368	8	Screw-HH				

● Not illustrated

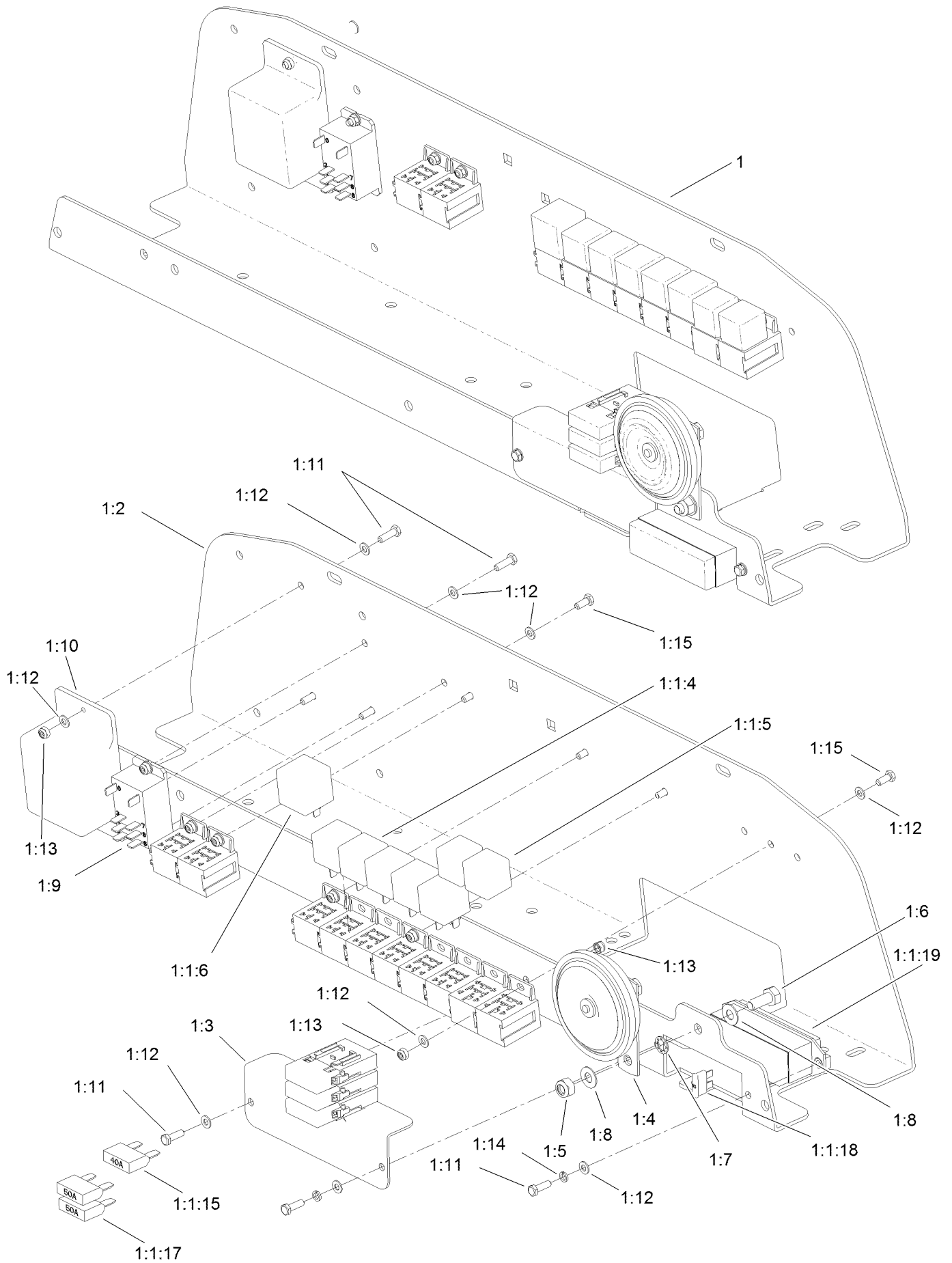
Roll-Over Protection System Assembly



Roll-Over Protection 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	111-5436	1	ROPS ASM	1:6	111-3459	1	Frame-Lower
1:1	ZBH1P100U	4	Bolt	1:7	ZDH1L040U	4	Screw-HH
1:2	956016	2	Nut-Hand	1:8	111-3484	4	Screw-HH
1:3	111-3460	1	Hoop-Upper	1:9	09491	12	Washer-Plain
1:4	ZNN1L000U	4	Nut-Nyloc	1:10	HY09485	8	Washer-Plain
1:5	09456	6	Nut	2	111-0773	2	Decal

Electrical Assembly



Electrical Assembly (continued)

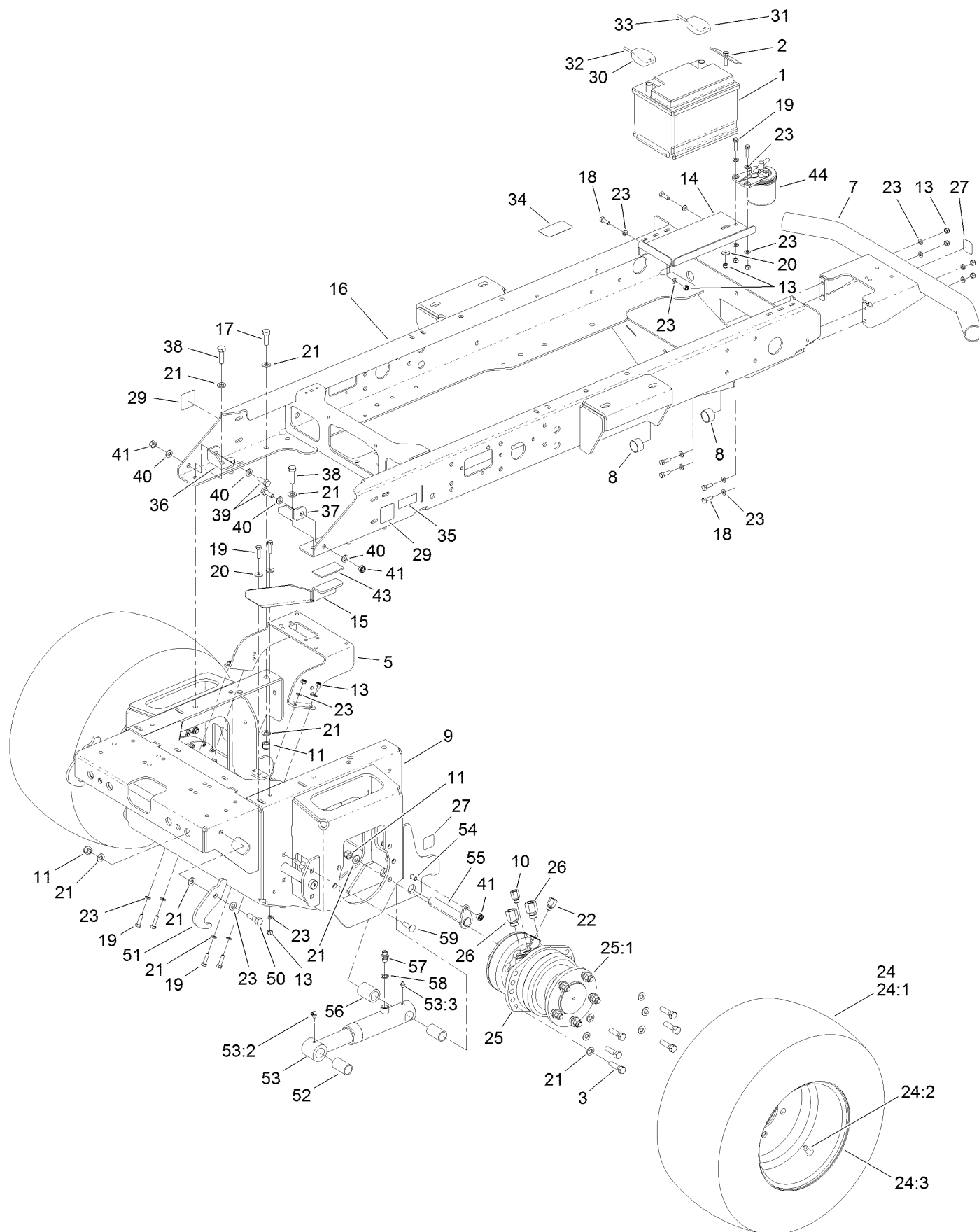
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Loom Kit ■
1:1	111-5045	1	Harness-Wiring ●
1:1:4	111-0336	5	Relay-30A
1:1:5	924625	2	Relay-70A
1:1:6	924722	1	Module Delay, Seat
1:1:15	111-2898	1	Fuse-40A
1:1:17	995714	2	Fuse-50A
1:1:18	70-09-026	4	Fuse-10A
1:1:19	70-09-096	1	Box-Fuse
1:2	111-3037-03	1	Plate-Base, Electrical
1:3	111-4842-03	1	Bracket-Fuse
1:4	70-09-108	1	Horn ASM

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:5	09441	1	Nut-Hex, NI
1:6	09368	1	Screw-HH
1:7	09476	1	Washer-Shakeproof
1:8	09475	2	Washer
1:9	995713	1	Relay-Neutral Start
1:10	70-01-512	1	Timer ASM
1:11	ZDH1E016U	7	Screw-HH
1:12	09470	22	Washer
1:13	09430	10	Nut-Nyloc
1:14	09644	2	Washer-Spring
1:15	ZDH1E012U	5	Screw-HH

● Not illustrated

■ Not serviced separately

Main Frame, Chassis, Front Wheel and Battery Assembly

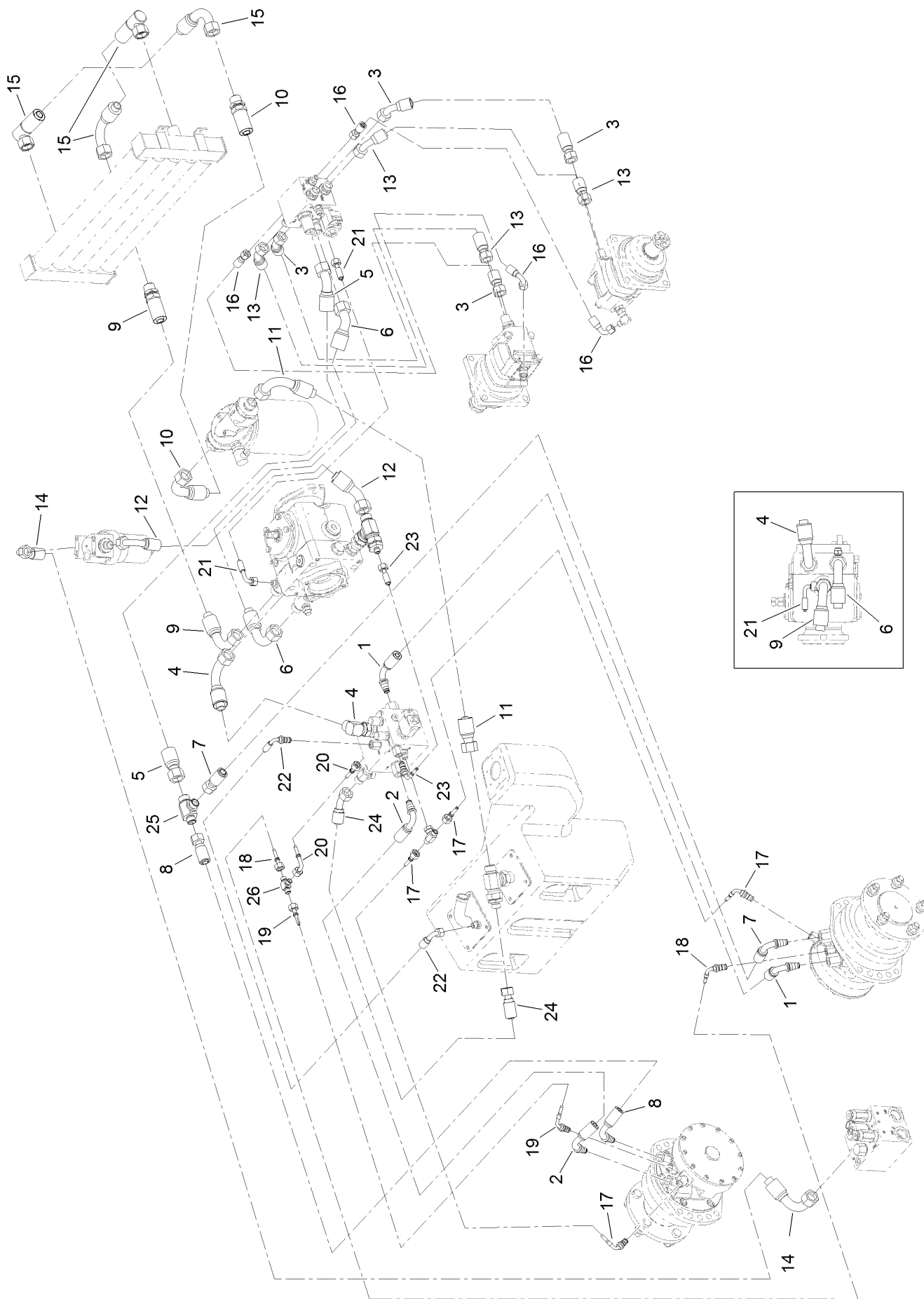


Main Frame, Chassis, Front Wheel and Battery Assembly (continued)

<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	70-09-015	1	Battery	29	950832	2	Decal
2	70-01-340	1	Retainer-Battery	30	70-09-171	1	Terminal-Positive
3	ZBH1L045U	12	Screw-HH	31	70-09-172	1	Terminal-Negative
5	111-2506-03	1	Bracket-Manifold, Cutter	32	111-3690	1	Cable-Battery, Positive
7	111-3110-03	1	Bumper-Rear	33	70-09-170	1	Cable-Battery, Negative
8	65-07-051	2	Bushing	34	950889	1	Decal-Warning
9	111-4668-03	1	Chassis-Front	35	111-3901	1	Decal-Transmission, Oil
10	111-3509	2	Adaptor	36	111-5161-03	1	Gusset-Chassis, RH
11	ZNN1L000U	20	Nut-Nyloc	37	111-5162-03	1	Gusset-Chassis, LH
13	09441	15	Nut-Hex, NI	38	ZDH1L040U	2	Screw-HH
14	111-2599-03	1	Plate-Mount, Battery	39	09392	2	Screw-HH
15	111-3217-03	1	Support-Platform, Front (LH)	40	ZWQ1J000U	4	Washer-Plain
16	111-2100-03	1	Chassis-Rear	41	ZNN1J000U	6	Nut-Hex, NI
17	ZDH1L035U	4	Screw-HH	43	HY910808	1	Strip-Neoprene
18	03162	6	Screw-HH	44	15291-43010	1	Fuel-Filter
19	09369	8	Screw-HH	50	63-11-010	2	Bolt-HH
20	09267	3	Washer	51	111-4888-01	2	Plate-Latch, Front
21	HY09485	42	Washer-Plain	52	25-07-007	4	Bushing-Tension
22	111-3538	2	Adaptor	53	111-4786	2	HYD Cylinder ASM
23	ZWP1H000U	26	Washer-Plain	53:1	50-06-013	1	Seal Kit ●
24	74-01-274	2	Wheel Front ASM	53:2	63-07-027	1	Zerk-Grease, Bsp (90 DEG)
24:1	74-07-004	1	Rim-Wheel	53:3	10-11-017	1	Fitting-Straight
24:2	74-07-012	1	Tube-Inner	54	15-11-003	2	Bolt-CARR
24:3	74-07-027	1	Tire	55	994560	4	Pin
25	111-2557	2	HYD Motor ASM	56	111-5300	2	Spacer-Ram
25:1	74-07-016	5	Nut	57	10-06-085	2	Adaptor
26	111-3529	4	Adaptor	58	10-06-030	2	Seal-Dowty
27	70-13-072	3	Decal	59	09738	2	Bolt-Carriage

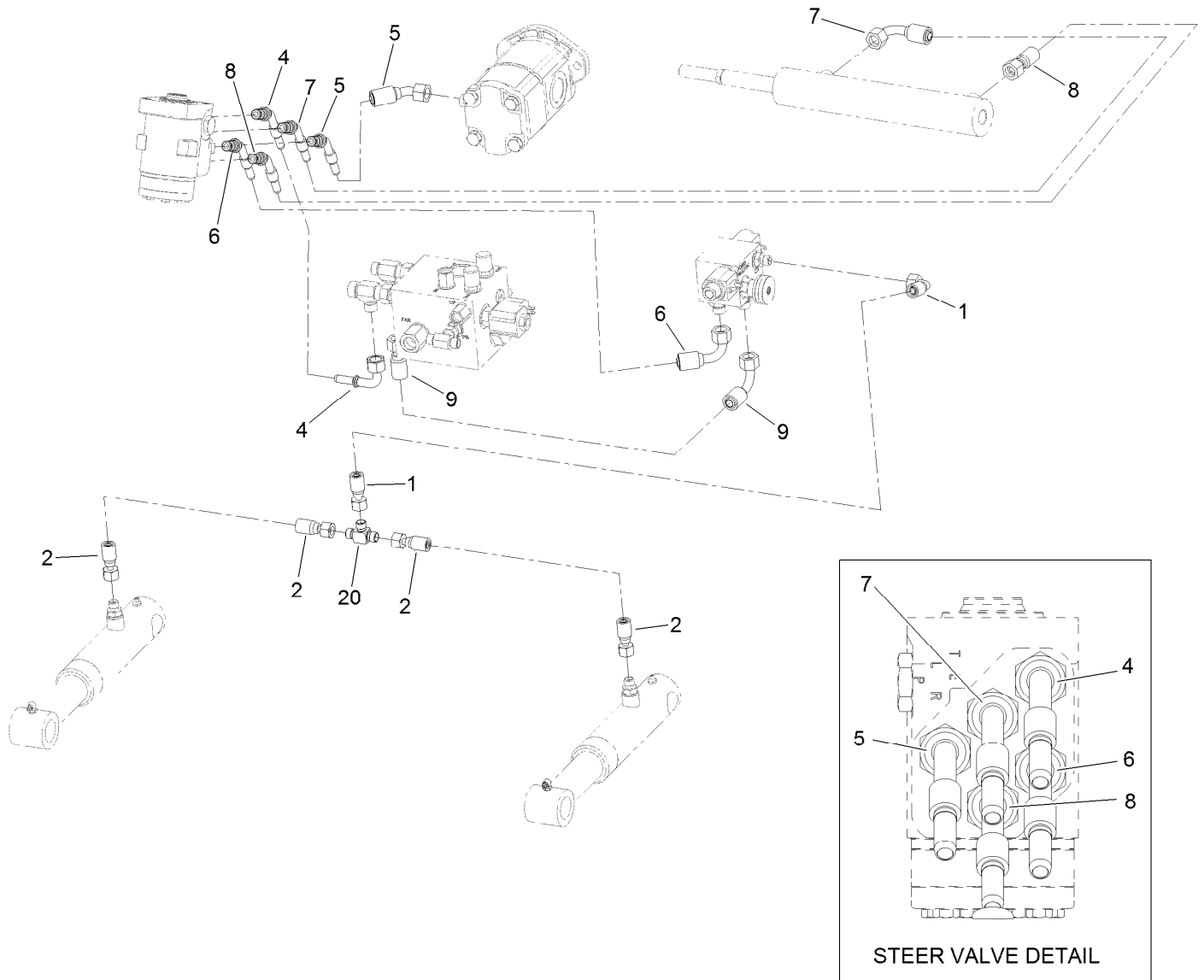
● Not illustrated

Transmission Hydraulic Circuit Assembly



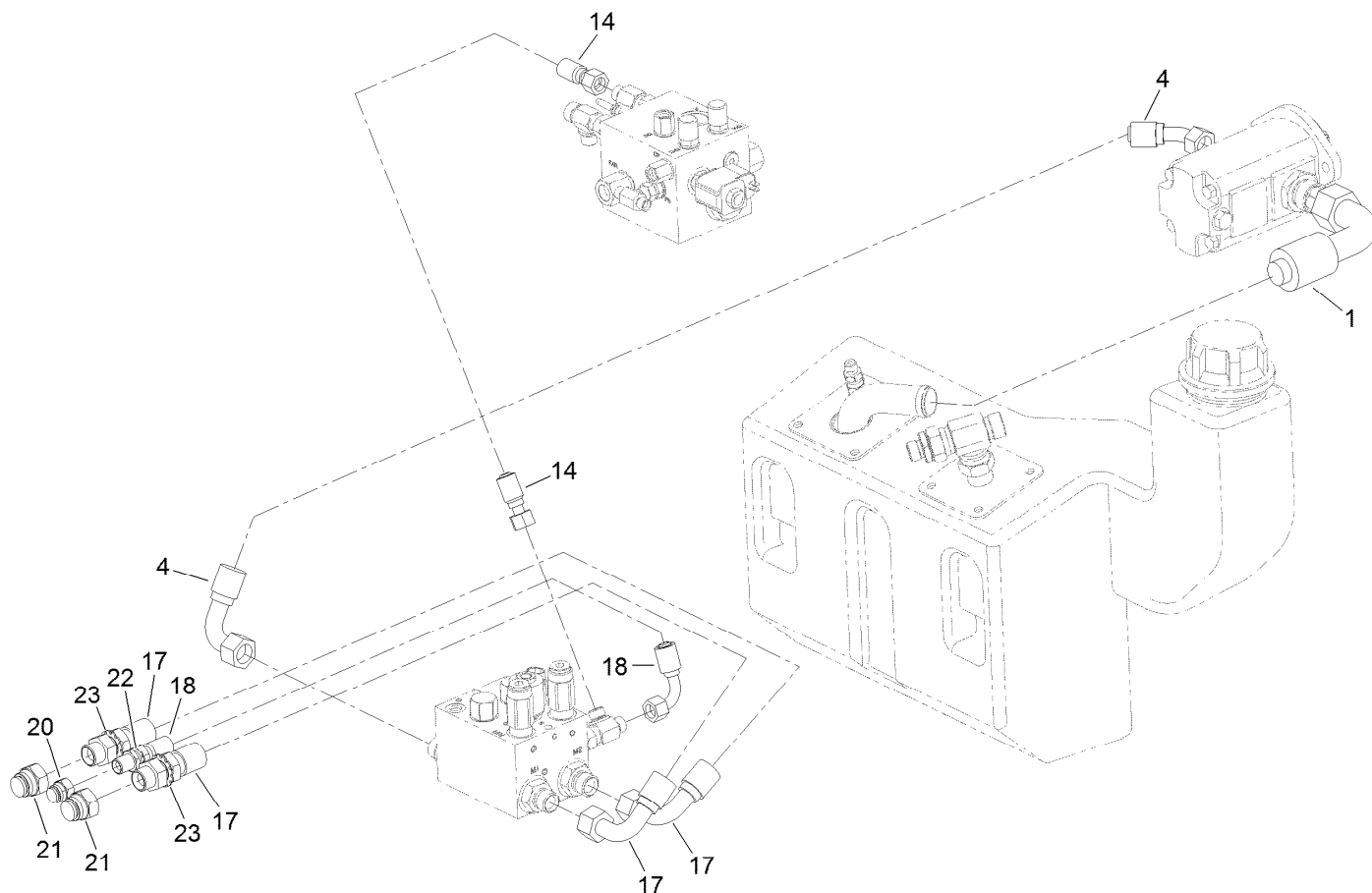
Transmission Hydraulic Circuit Assembly (continued)

<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	111-4473	1	Hose	14	111-4960	1	Hose
2	111-5521	1	Hose	15	111-3599	2	Hose
3	111-3576	2	Hose	16	111-3604	2	Hose
4	111-5525	1	Hose	17	111-5523	2	Hose
5	111-3578	1	Hose	18	111-3606	1	Hose
6	111-4479	1	Hose	19	111-3607	1	Hose
7	111-5524	1	Hose	20	111-4480	1	Hose
8	111-4477	1	Hose	21	111-4481	1	Hose
9	111-4478	1	Hose	22	111-3619	1	Hose
10	111-3587	1	Hose	23	111-5962	1	Hose
11	111-3588	1	Hose	24	111-4969	1	Hose
12	111-4959	1	Hose	25	111-3642	1	Tee-Bsp
13	111-3595	2	Hose	26	30-06-201	1	Tee



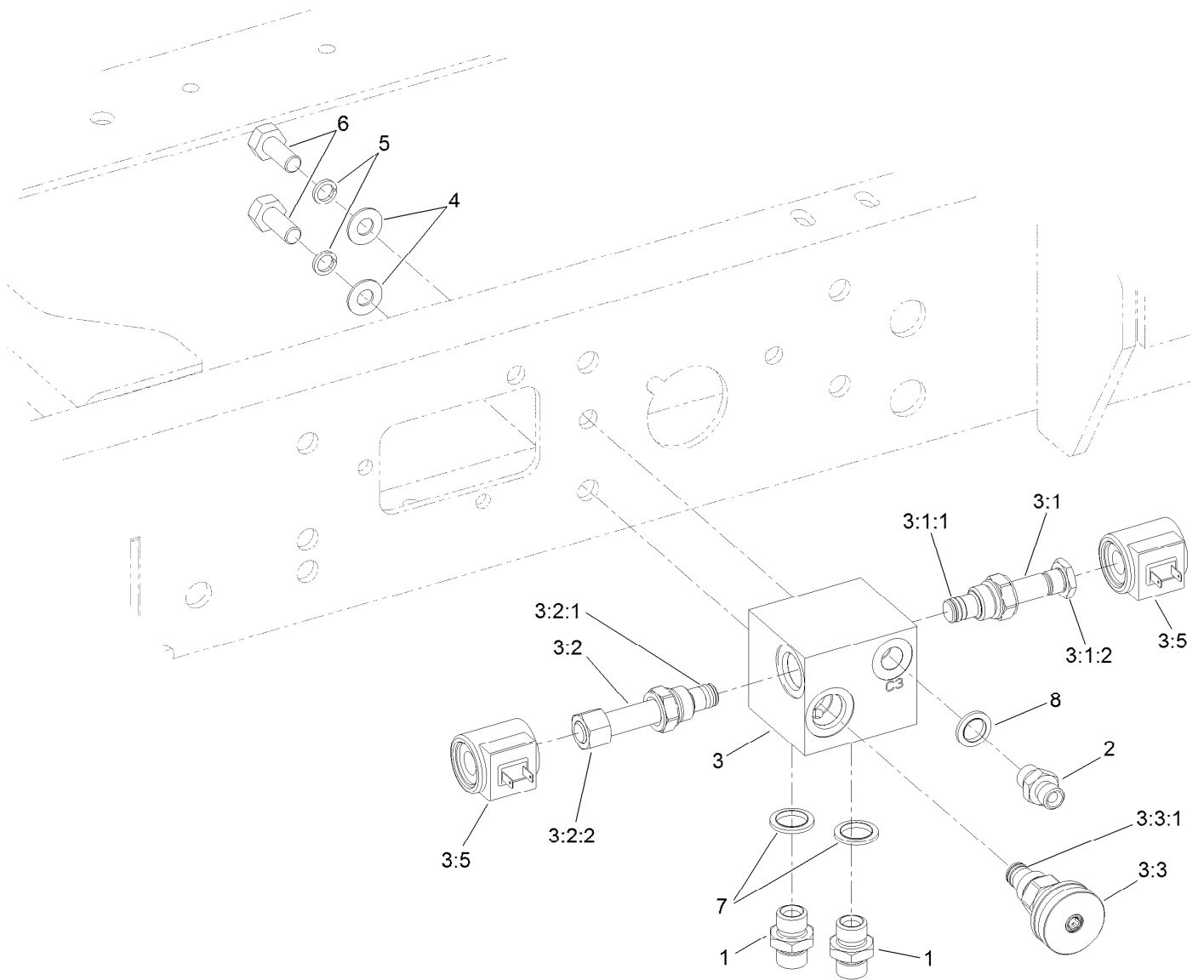
Hose Assembly No. 2

Ref.	Part Number	Qty.	Description
1	111-4961	1	Hose
2	111-4962	2	Hose
4	111-3613	1	Hose
5	111-3614	1	Hose
6	111-4963	1	Hose
7	111-3616	1	Hose
8	111-3617	1	Hose
9	111-4964	1	Hose
20	30-06-201	1	Tee



Hose Assembly No. 3

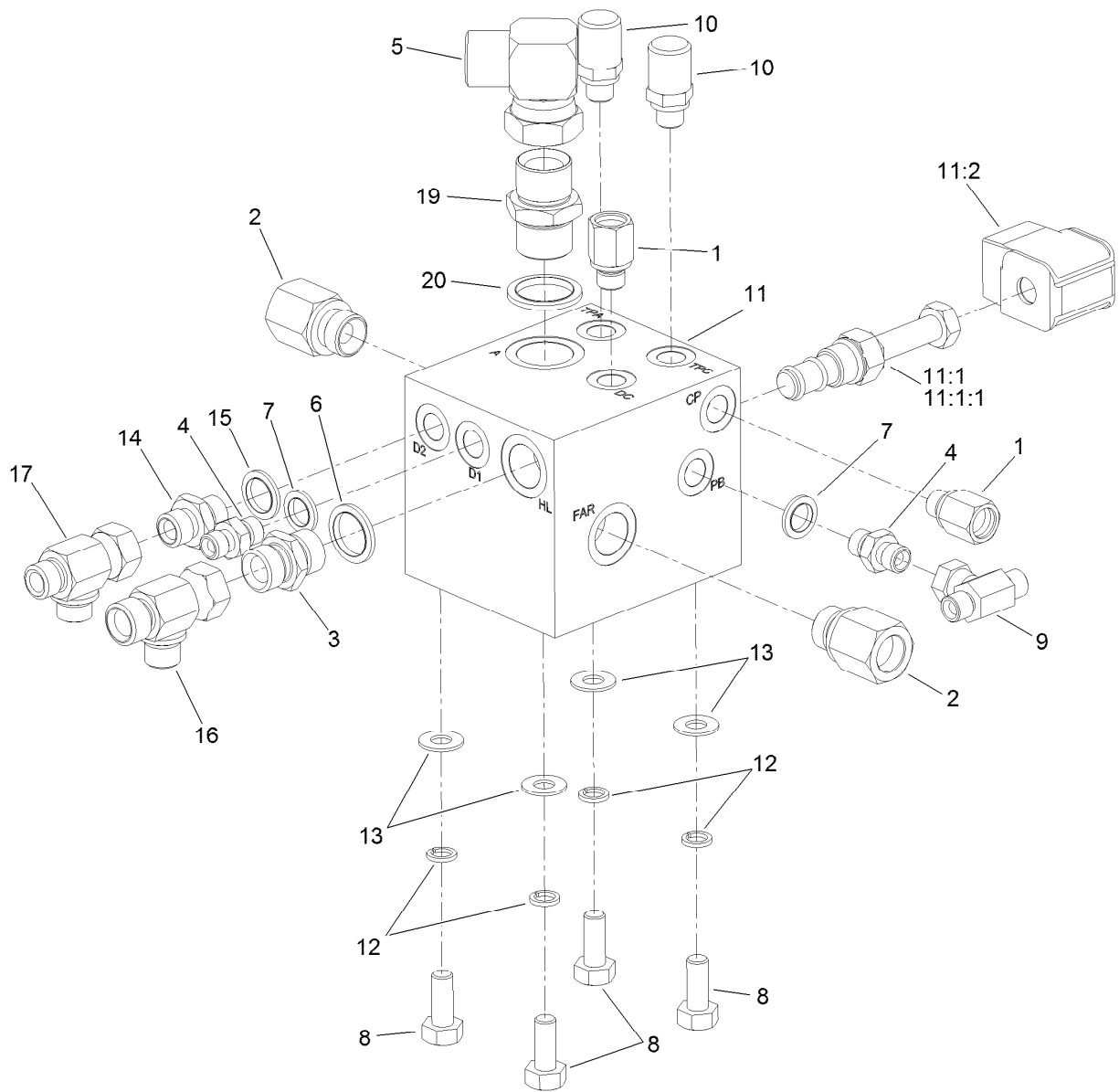
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	111-5486	1	Hose
4	111-4966	1	Hose
14	111-4967	1	Hose
17	111-4968	2	Hose
18	111-4970	1	Hose
20	111-4972	1	Cap-Bsp
21	111-5382	2	Cap-Bsp
22	111-5622	1	Washer-Lock, Serrated
23	953733	2	Washer



Lift Manifold Assembly

Ref.	Part Number	Qty.	Description
1	10-06-042	2	Adaptor-Bspp
2	940691	1	Adaptor-Bspp
3	111-5236	1	Manifold ASM (Deck Lift)
3:1	112-9206	1	Solenoid Valve ASM
3:1:1	105-9156	1	Seal Kit
3:1:2	110-2634	1	Nut-Coil
3:2	107-7517	1	Valve-Solenoid
3:2:1	105-9156	1	Seal Kit
3:2:2	107-7812	1	Nut-Solenoid

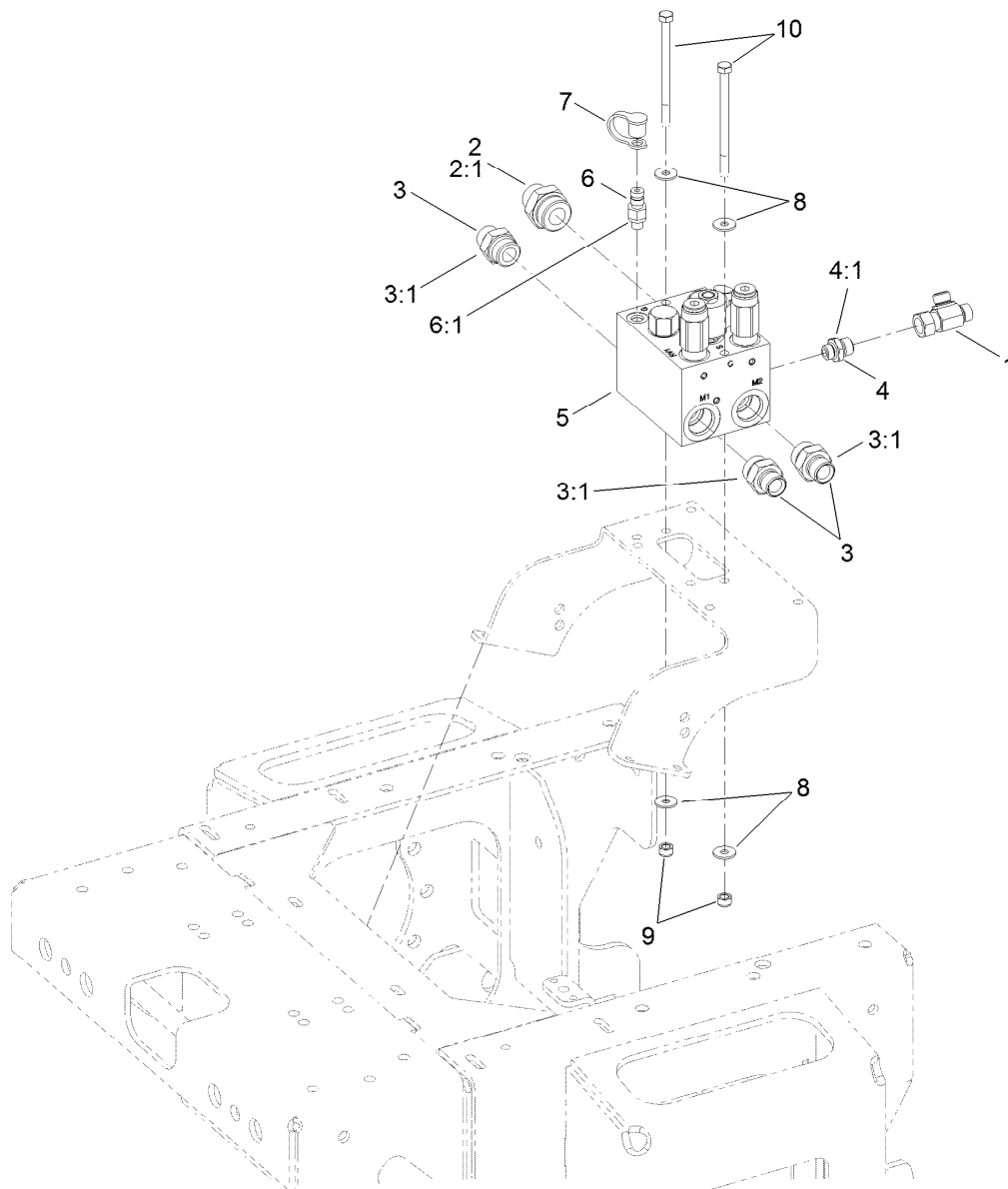
Ref.	Part Number	Qty.	Description
3:3	111-5513	1	Valve-Needle, Weight
3:3:1	107-7527	1	Seal Kit
3:5	111-5516	2	Coil-Solenoid
4	09479	2	Washer-Plain
5	09480	2	Washer-Lock
6	09395	2	Screw-HH
7	10-06-031	2	Seal-Dowty
8	10-06-030	1	Seal-Dowty



Transmission Manifold Assembly

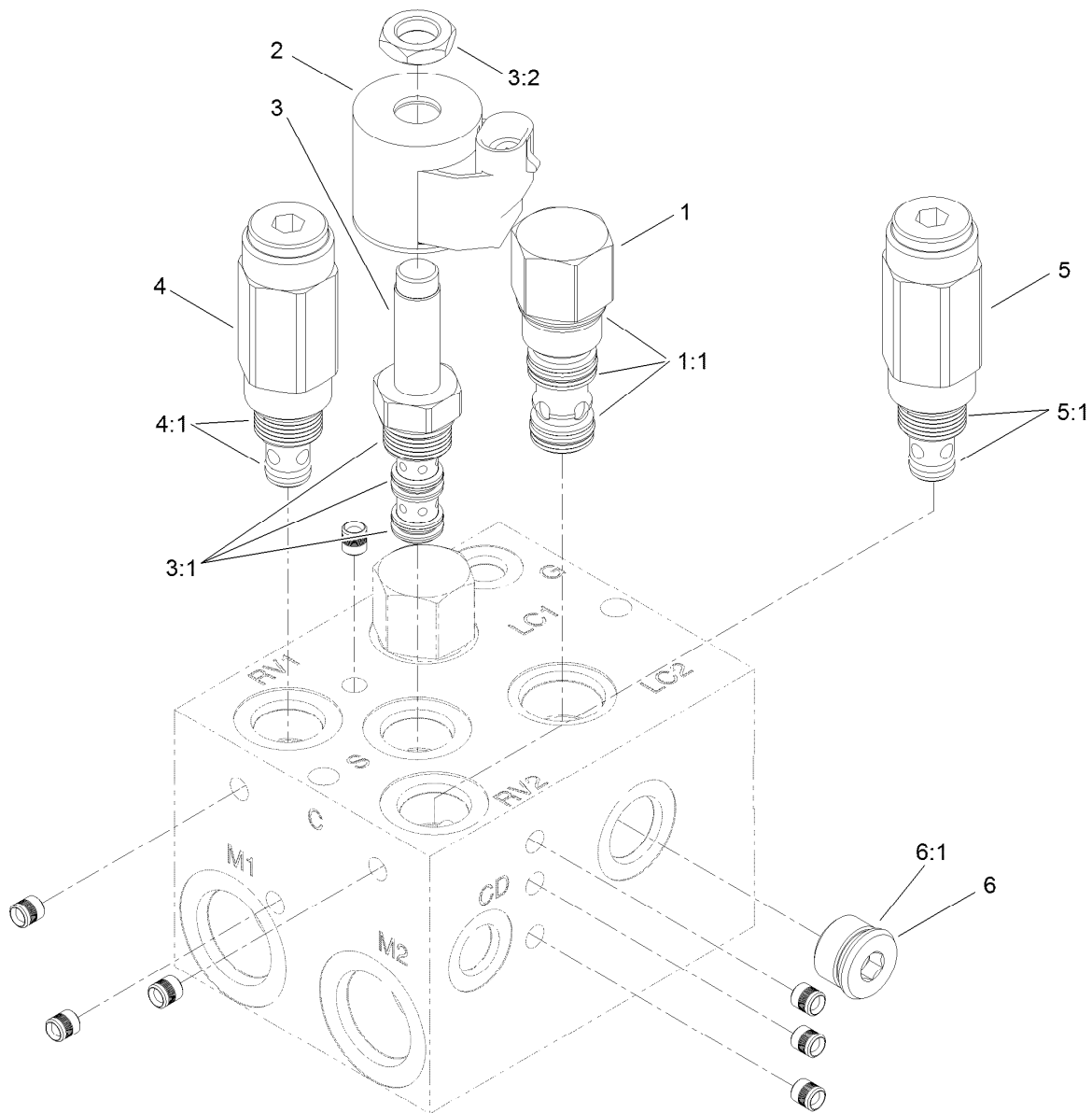
Ref.	Part Number	Qty.	Description
1	111-3538	2	Adaptor
2	111-3529	2	Adaptor
3	10-06-078	1	Adaptor-Bspp
4	10-06-085	2	Adaptor
5	111-4443	1	Elbow-Bsp
6	10-06-032	1	Seal-Dowty
7	10-06-030	2	Seal-Dowty
8	09395	4	Screw-HH
9	60-06-011	1	Tee-Bsp
10	910615	2	Point-Bspp
11	111-2555	1	Manifold-Transmission

Ref.	Part Number	Qty.	Description
11:1	111-3533	1	Valve-Solenoid
11:1:1	910633	1	Seal Kit
11:2	910627	1	Coil-Solenoid
12	09480	4	Washer-Lock
13	09479	4	Washer-Plain
14	10-06-042	1	Adaptor-Bspp
15	10-06-031	1	Seal-Dowty
16	953732	1	Tee-Bsp
17	20-06-203	1	Adaptor-Tee
19	10-06-044	1	Adaptor-Bsp
20	10-06-033	1	Seal-Dowty



Cutter Manifold Assembly

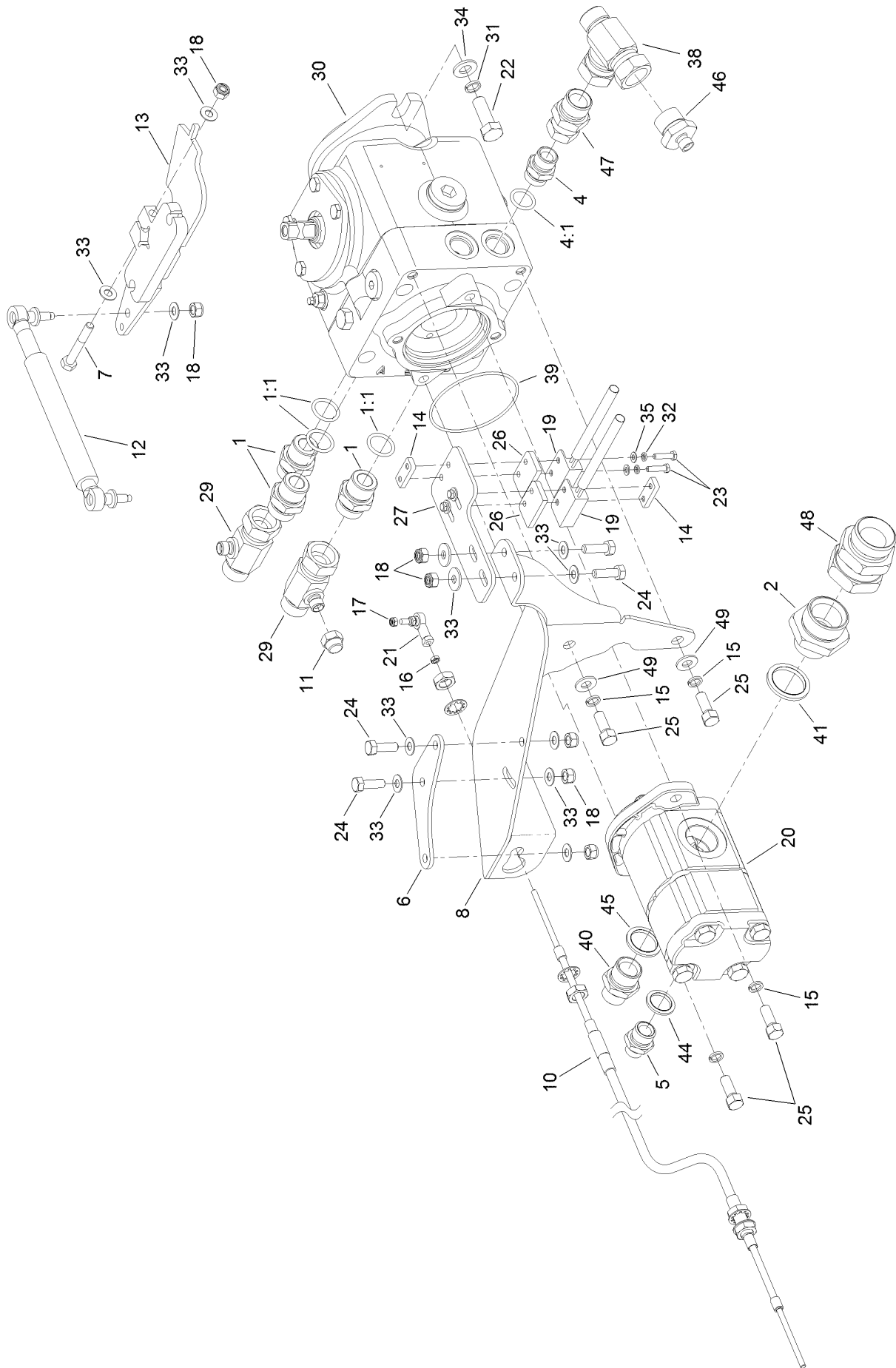
Ref.	Part Number	Qty.	Description
1	20-06-203	1	Adaptor-Tee
2	70-06-063	1	Adaptor
2:1	70-06-169	1	Seal-O Ring
3	111-4787	3	Fitting-Straight
3:1	70-06-168	1	Seal-O Ring
4	111-4788	1	Fitting-Straight
4:1	70-06-165	1	Seal-O Ring
5	115-8467	1	PTO Manifold ASM
6	354-77	1	Fitting-Quick
6:1	237-78	1	O-Ring
7	354-79	1	Cap-Dust
8	09267	4	Washer
9	09441	2	Nut-Hex, NI
10	ZBH1H120U	2	Bolt



Hydraulic PTO Manifold Assembly No. 115-8467

Ref.	Part Number	Qty.	Description
1	105-9153	2	Element-Logic, Vented
1:1	105-9154	1	Seal Kit
2	105-9333	1	Coil-12Vdc
3	110-0494	1	Valve-Solenoid
3:1	110-8773	1	Seal Kit
3:2	110-2634	1	Nut-Coil
4	114-5510	1	Valve-Relief, 3000 Psi
4:1	105-9156	1	Seal Kit
5	114-5512	1	Valve-Relief, 600 Psi
5:1	105-9156	1	Seal Kit
6	106-1027	1	Plug-HYD
6:1	237-79	1	O-Ring

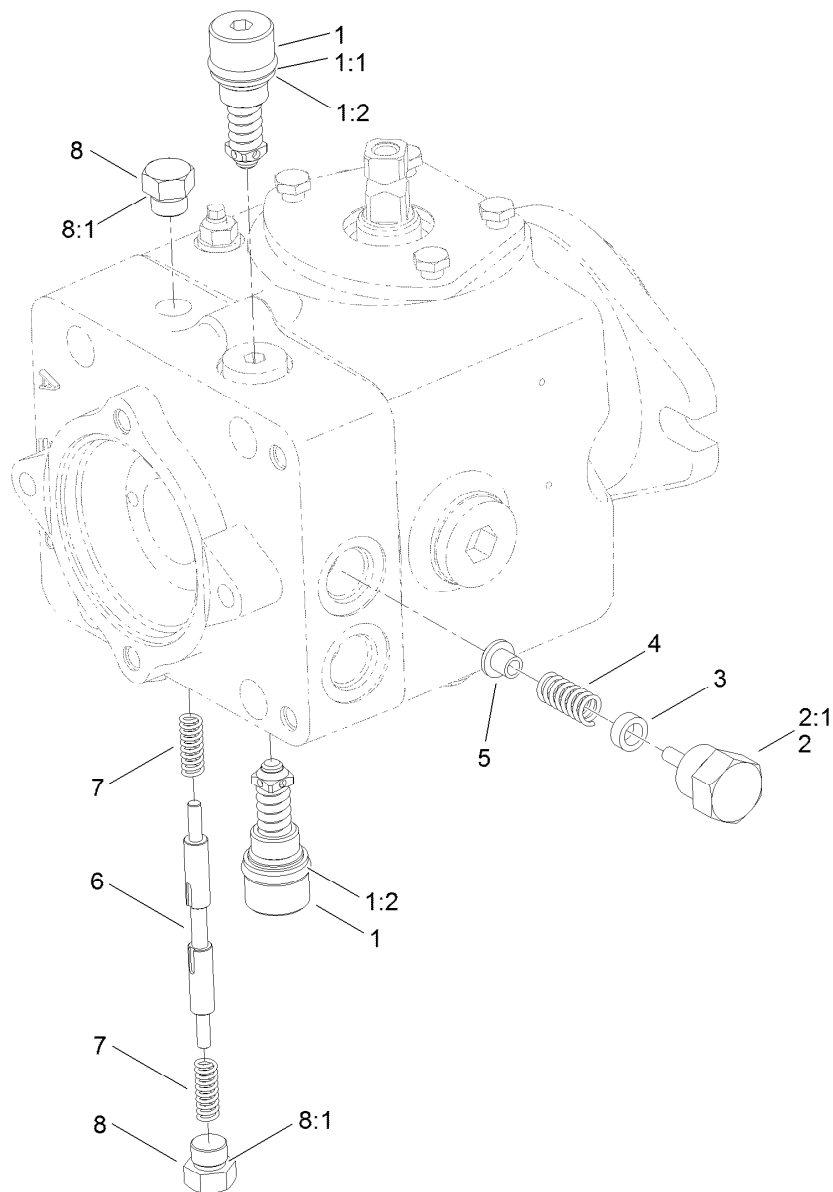
Transmission and Tandem Pump Assembly



Transmission and Tandem Pump Assembly (continued)

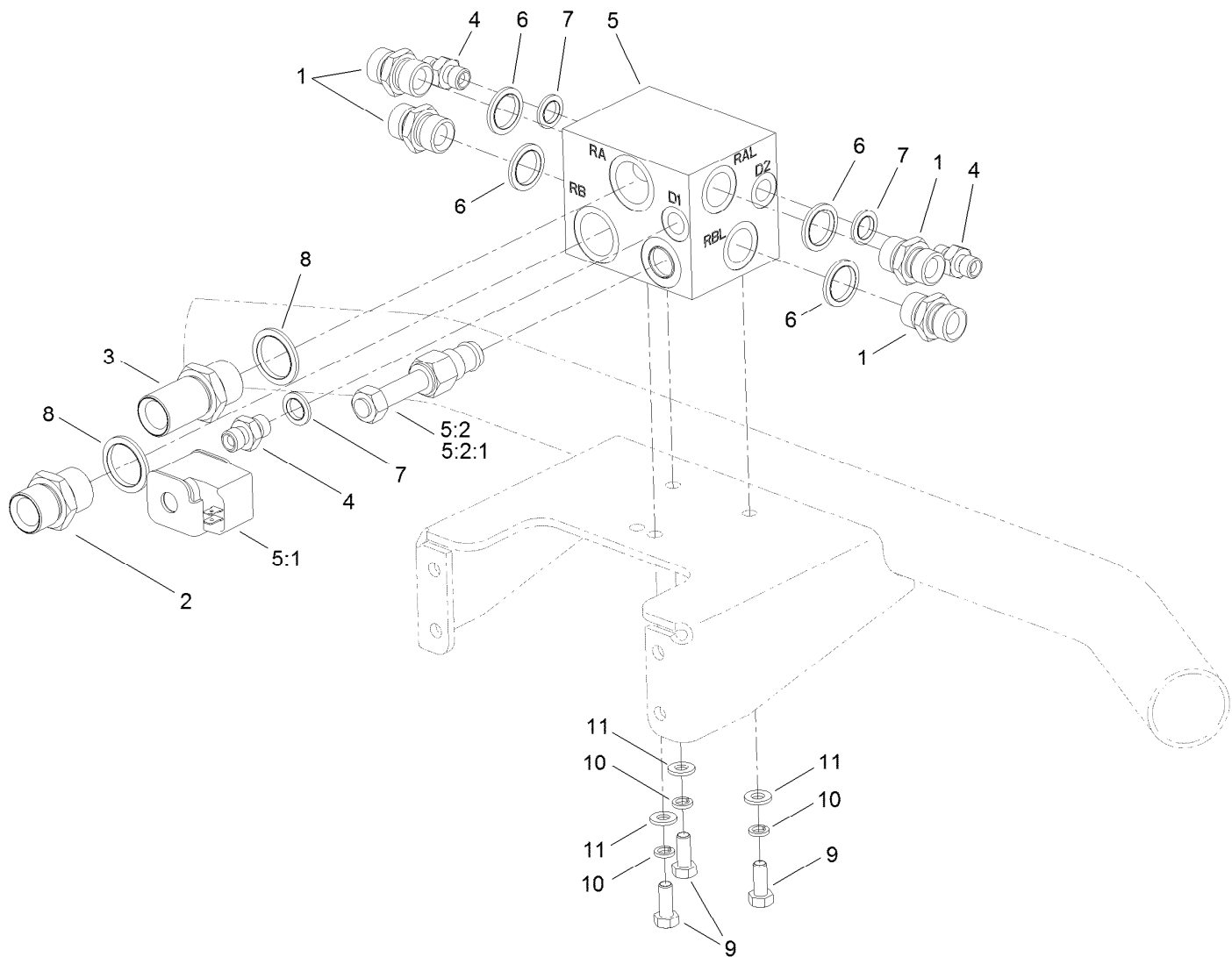
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	70-06-050	3	Adaptor-Boss	22	ZDH1L035U	2	Screw-HH
1:1	70-06-168	1	Seal-O Ring	23	ZDH1E020U	4	Screw-HH
2	15-06-109	1	Adaptor	24	09368	4	Screw-HH
4	63-06-104	1	Adaptor-Bsp	25	HY103653	4	Screw-HH
4:1	63-06-111	1	Seal-O Ring	26	111-3676	2	Spacer-Switch, Proximity
5	10-06-043	1	Adaptor	27	111-3260-03	1	Adjuster-Switches
6	111-3442-03	1	Adjuster-Damper	29	111-3639	2	Tee-Bsp
7	09565	1	Screw-HH	30	111-3335	1	Transmission Pump ASM
8	111-3271-03	1	Bracket-Control, Pump	31	09599	2	Washer-Lock
10	111-3040	1	Cable-Control	32	09644	4	Washer-Spring
11	66-06-003	1	Cap-Bsp	33	09475	12	Washer
12	MU1001328	1	Damper ASM	34	HY09485	2	Washer-Plain
13	111-3272-03	1	Lever-Control, Pump	35	09257	4	Washer
14	111-3336	2	Bar-Switch, Proximity	38	60-06-009	1	Adaptor-Tee
15	09273	4	Washer-Spring	39	70-06-028	1	O-Ring
16	09746	1	Nut-Lock	40	994626	1	Adaptor-Bspp
17	09430	1	Nut-Nyloc	41	09-06-214	1	Seal-Dowty
18	09441	7	Nut-Hex, NI	44	10-06-032	1	Seal-Dowty
19	105-0023	2	Switch-Proximity	45	10-06-033	1	Seal-Dowty
20	111-4973	1	HYD Tandem Pump ASM	46	767606	1	Adaptor-Bspp
20:1	70-06-153	1	Seal Kit ●	47	111-5049	1	Fitting-Straight
21	111-3097	1	Joint-Ball, Female/Male Rod End	48	111-5150	1	Fitting-Straight
				49	ZWQ1J000U	2	Washer-Plain

● Not illustrated



Transmission Assembly No. 111-3335

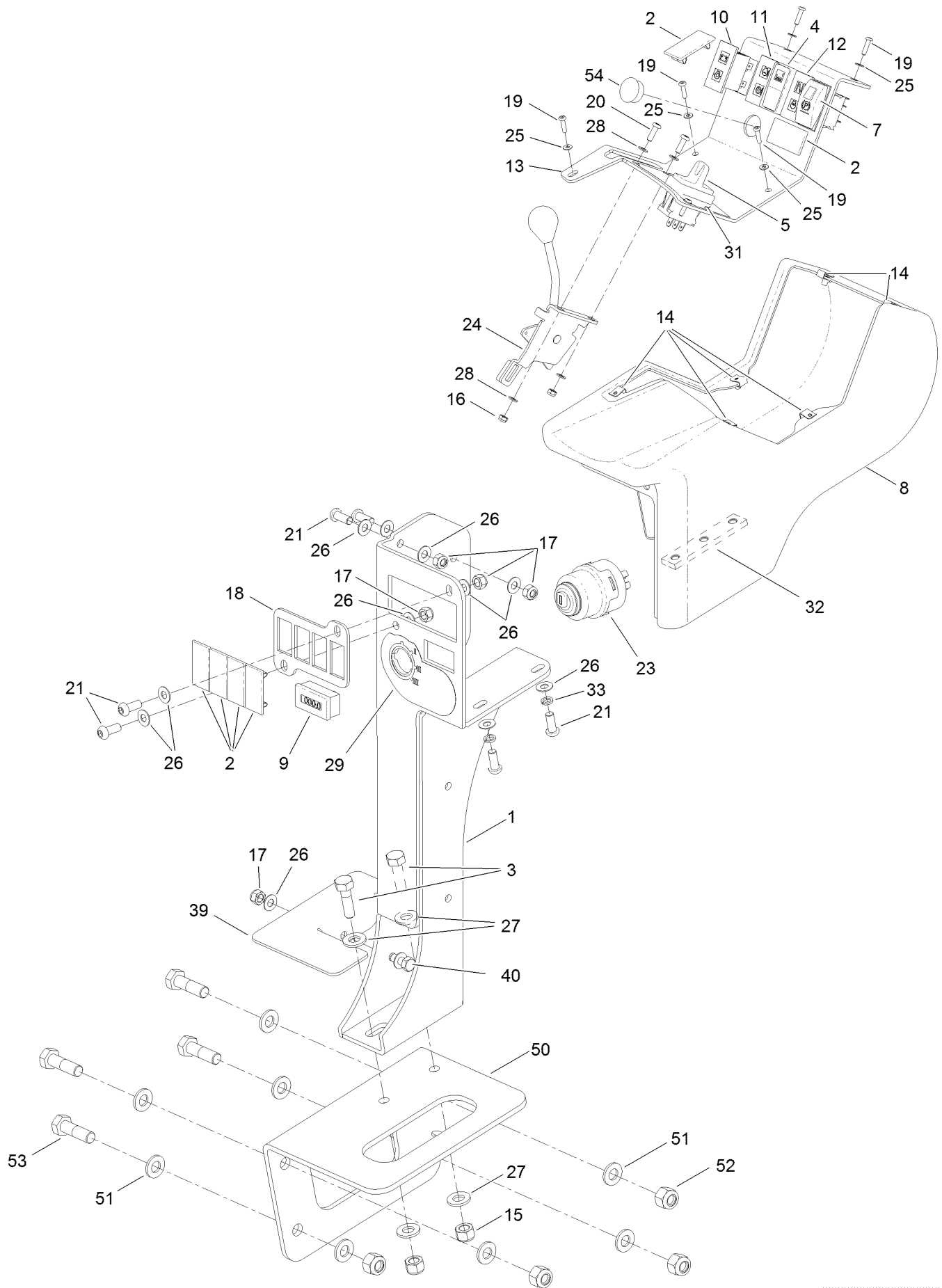
Ref.	Part Number	Qty.	Description
1	111-3379	2	Valve-Pressure Relief, 345 Bar
1:1	111-4906	1	O-Ring, Large
1:2	111-4925	1	O-Ring, Small
2	111-3378	1	Plug-Charge Pressure Relief
2:1	111-4920	1	O-Ring, Charge Relief Plug
3	111-4908	1	Shim Kit (Charge Prv)
4	111-4918	1	Spring-Charge, Prv
5	111-4919	1	Poppet-Charge, Prv
6	111-3380	1	Valve-Flushing, Loop
7	111-4917	2	Spring-Loop Flushing Valve
8	111-4916	2	Plug-Loop Flushing Valve
8:1	111-4928	1	O-Ring, Loop Flushing Valve



Rear Transmission Block Assembly

Ref.	Part Number	Qty.	Description
1	10-06-078	4	Adaptor-Bspp
2	10-06-044	1	Adaptor-Bsp
3	111-3641	1	Adaptor-Bsp
4	10-06-085	3	Adaptor
5	924687	1	Manifold-Transmission, Rear
5:1	910627	1	Coil-Solenoid
5:2	924688	1	Valve-Solenoid
5:2:1	910642	1	Seal Kit
6	10-06-032	4	Seal-Dowty
7	10-06-030	3	Seal-Dowty
8	10-06-033	2	Seal-Dowty
9	09368	3	Screw-HH
10	03469	3	Washer-Spring
11	ZWP1H000U	3	Washer-Plain

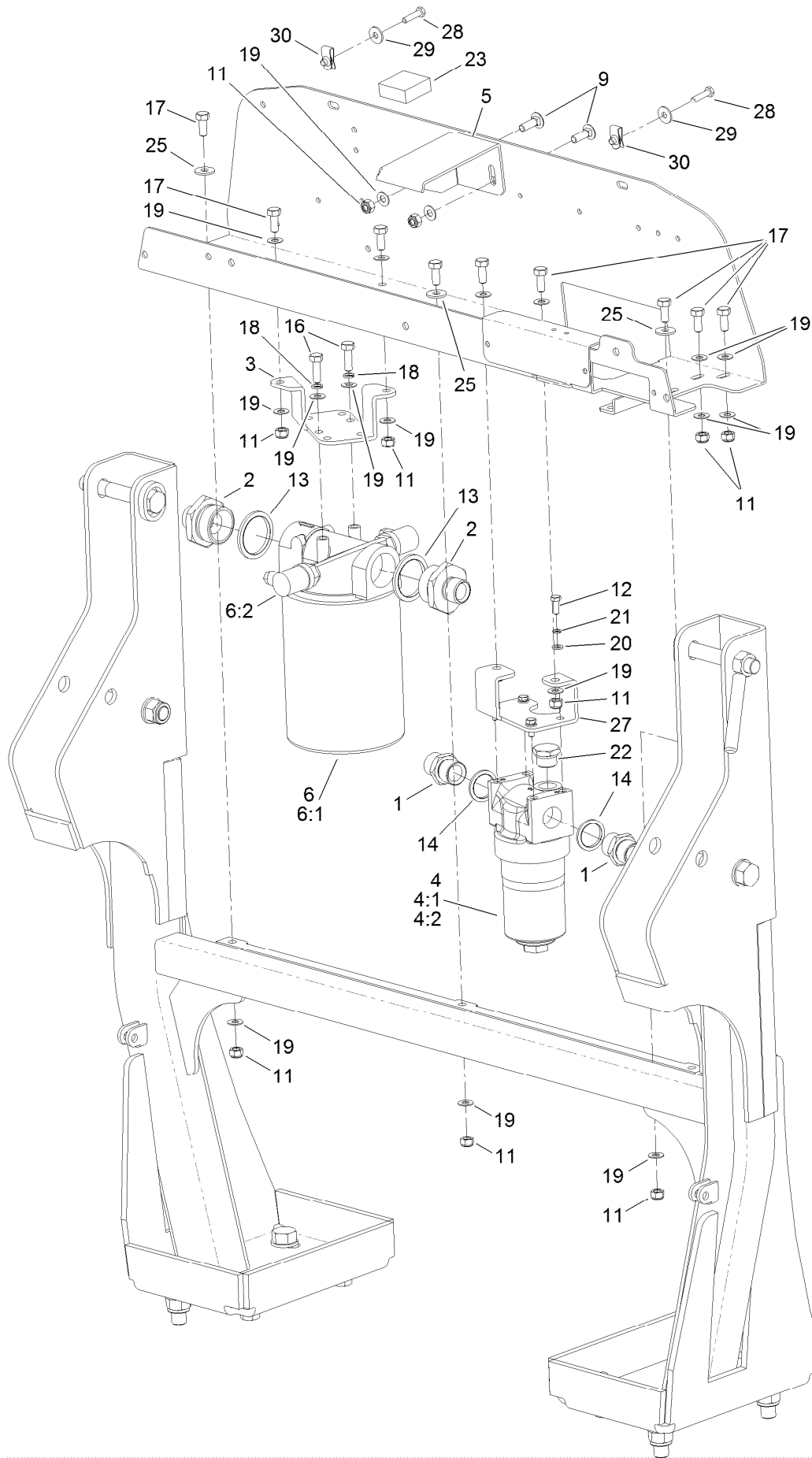
Control Panel Assembly



Control Panel 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	111-5166-03	1	Control Arm ASM	20	111-3381	2	Screw-HSBH
2	111-2337	6	Blank-Switch	21	ZHS1H020U	6	Screw-HSBH
3	09394	2	Bolt	23	74-09-009	1	Switch-Ignition
4	111-4892	1	Switch-Cutters	24	111-3059	1	*obs* Throttle-Control
5	111-4893	1	Switch-Lift, Lower	25	09658	6	Washer
7	111-2254	1	Switch-Parking Brake, On-None-On	26	09475	12	Washer
8	111-3004	1	Pod-Control	27	HY09485	4	Washer-Plain
9	111-3362	1	Meter-Hour	28	09470	4	Washer
10	111-2333	1	Indicator-Illuminated	29	111-3344	1	Decal-Switch, Ignition
11	111-2334	1	Indicator-Illuminated	31	111-5233	1	Decal-Panel, Control
12	111-3026	1	Indicator-Illuminated	32	111-3281	1	Bar-Nut
13	111-5229-03	1	Panel-Instrument	33	03469	2	Washer-Spring
14	111-3079	6	U-Nut	39	111-5239-03	1	Plate-Filler
15	09447	2	Nut	40	09368	1	Screw-HH
16	09430	2	Nut-Nyloc	50	111-5033-03	1	Plate-Mounting
17	09441	5	Nut-Hex, NI	51	ZWP1L000U	8	Washer-Plain
18	111-3361-03	1	Plate-Switch	52	ZNN1L000U	4	Nut-Nyloc
19	111-3473	6	Screw-Button	53	09415	4	Screw-HH
				54	111-5599	1	Plug-Tube

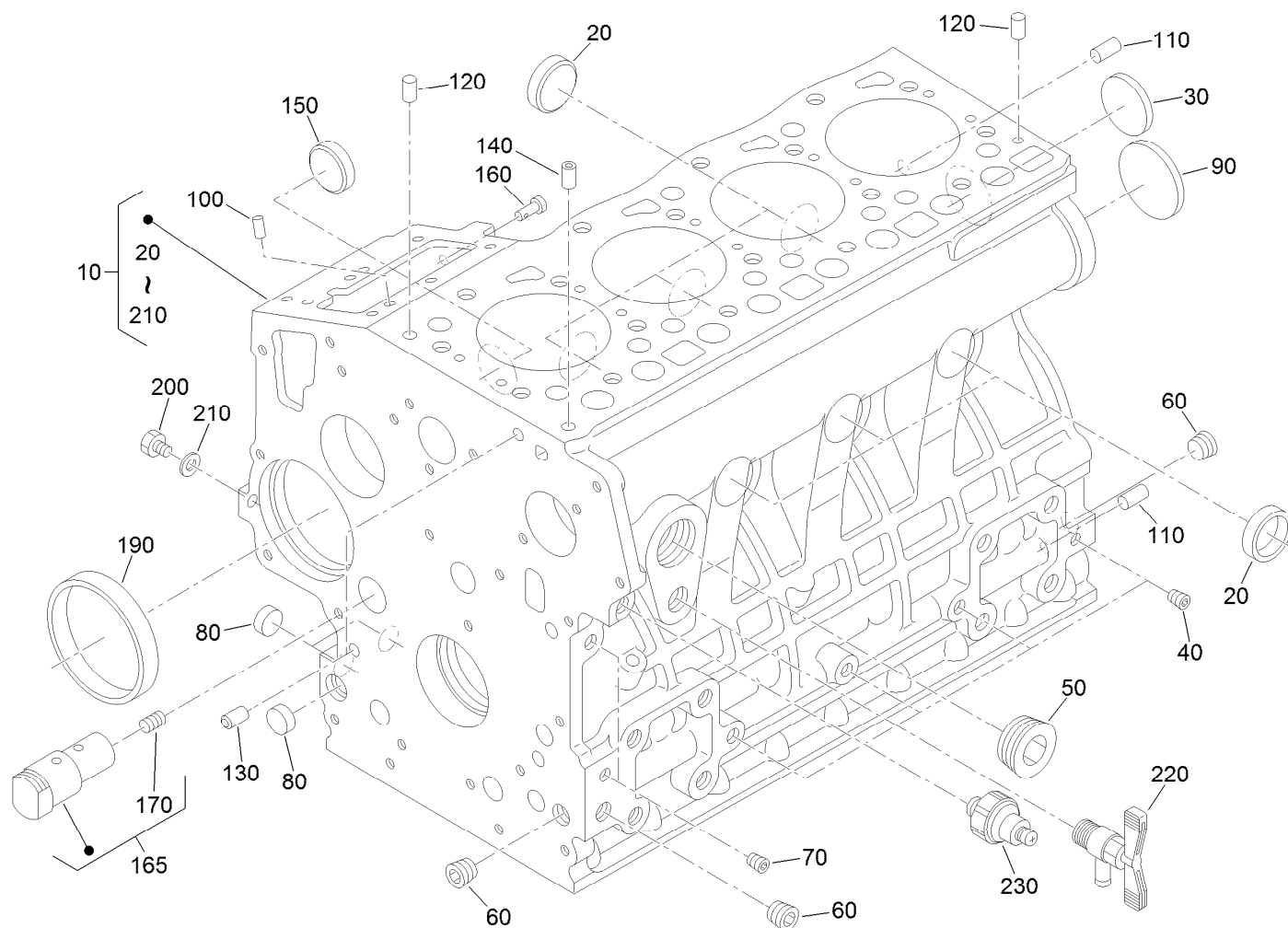
Filter Assembly



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	10-06-044	2	Adaptor-Bsp	14	10-06-033	2	Seal-Dowty
2	25-06-050	2	Adaptor	16	03162	2	Screw-HH
3	111-3485-03	1	Bracket-Filter, Oil	17	09368	9	Screw-HH
4	924708	1	Pressure Filter ASM	18	03469	2	Washer-Spring
4:1	924709	1	Element-Filter, Pressure ●	19	09475	19	Washer
4:2	924710	1	Indicator-Filter, Pressure ●	20	09472	4	Washer-Plain
5	111-3053-03	1	Bracket-Latch, Engine	21	09474	4	Washer-Spring
6	924865	1	Filter Return ASM	22	111-3926	1	Plug
6:1	924692	1	Element-Filter ●	23	488023	1	Pad-Foam, Short
6:2	950708	1	Switch-Return, Filter ●	25	09267	3	Washer
9	09373	2	Bolt-Coach	27	111-5039-03	1	Bracket-Filter, Charge
11	09441	11	Nut-Hex, NI	28	09364	2	Screw-HH
12	09362	4	Screw-HH	29	09262	2	Washer
13	10-06-035	2	Seal-Dowty	30	410076	2	Nut

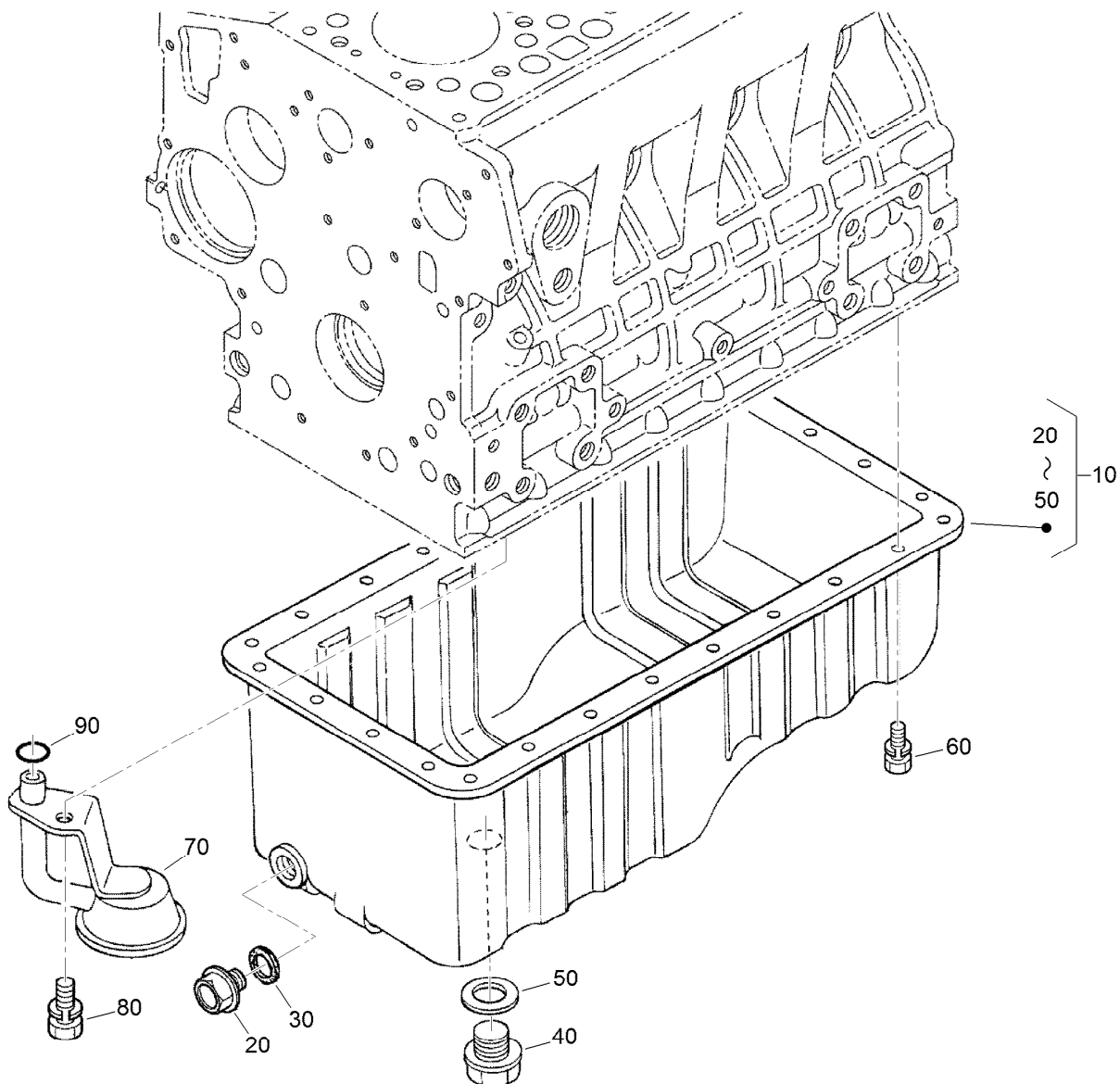
● Not illustrated



Crankcase Assembly

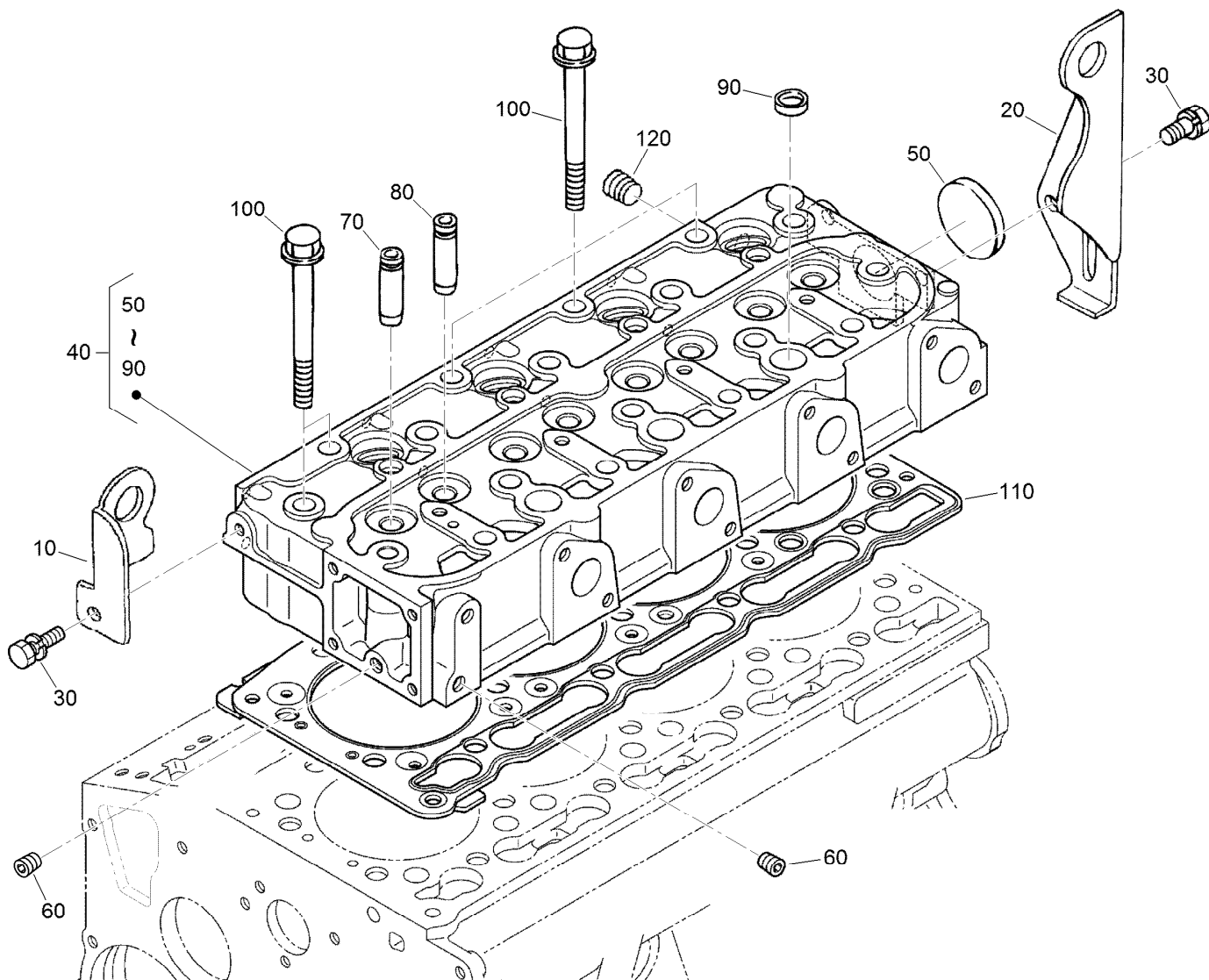
Ref.	Part Number	Qty.	Description
10	120-2558	1	Crankcase ASM
20	98-9398	6	Cap-Sealing
30	98-7539	1	Cap-Sealing
40	98-9687	4	Plug
50	105-3779	1	Plug
60	98-9597	3	Plug
70	98-7487	2	Plug
80	98-9379	3	Plug-Expansion
90	98-9668	1	Plug-Expansion
100	98-9375	2	Pin-Straight
110	98-9377	2	Pin-Straight
120	98-9376	2	Pin-Straight

Ref.	Part Number	Qty.	Description
130	98-9387	2	Pin-Pipe
140	98-9539	1	Pin-Pipe
150	98-9599	1	Plug
160	105-3796	1	Pin-Spring, Start
165	130-1237	1	Idler Shaft ASM
170	98-9675	1	Plug
190	98-9656	1	Bushing-Governor, Gear
200	120-2559	1	Plug
210	98-7428	1	Gasket
220	120-3121	1	Draincock ASM
230	98-7764	1	Switch-Oil



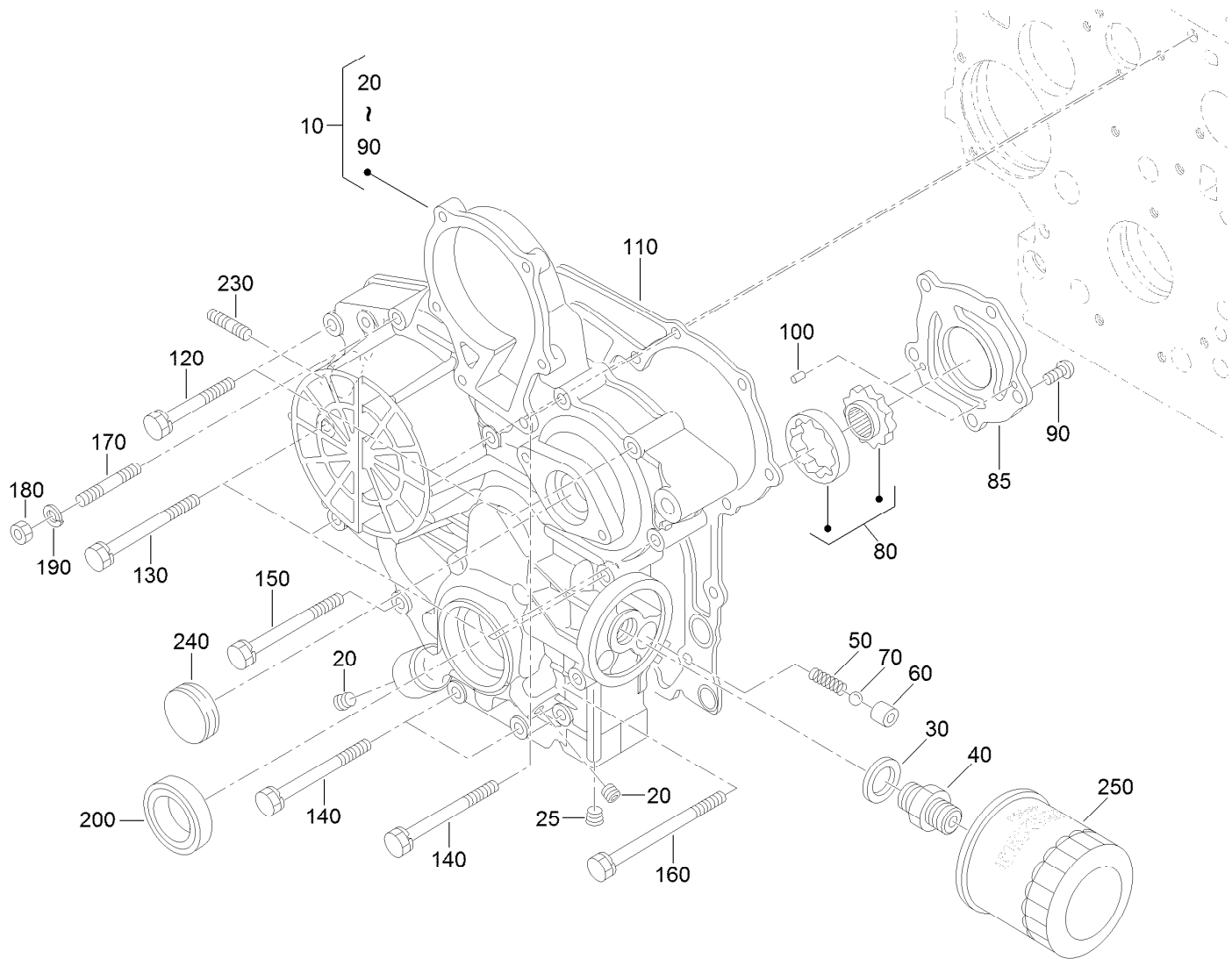
Oil Pan and Oil Pump Assembly

Ref.	Part Number	Qty.	Description
10	130-1283	1	Oil Pan Kit
20	114-8151	1	Plug-Drain
30	98-7524	1	Gasket
40	105-3703	1	Plug-Drain
50	110-9715	1	Gasket-Pan, Oil
60	98-9351	26	Bolt
70	115-4116	1	Filter-Oil
80	98-7526	1	Bolt
90	105-3776	1	O-Ring



Cylinder Head Assembly

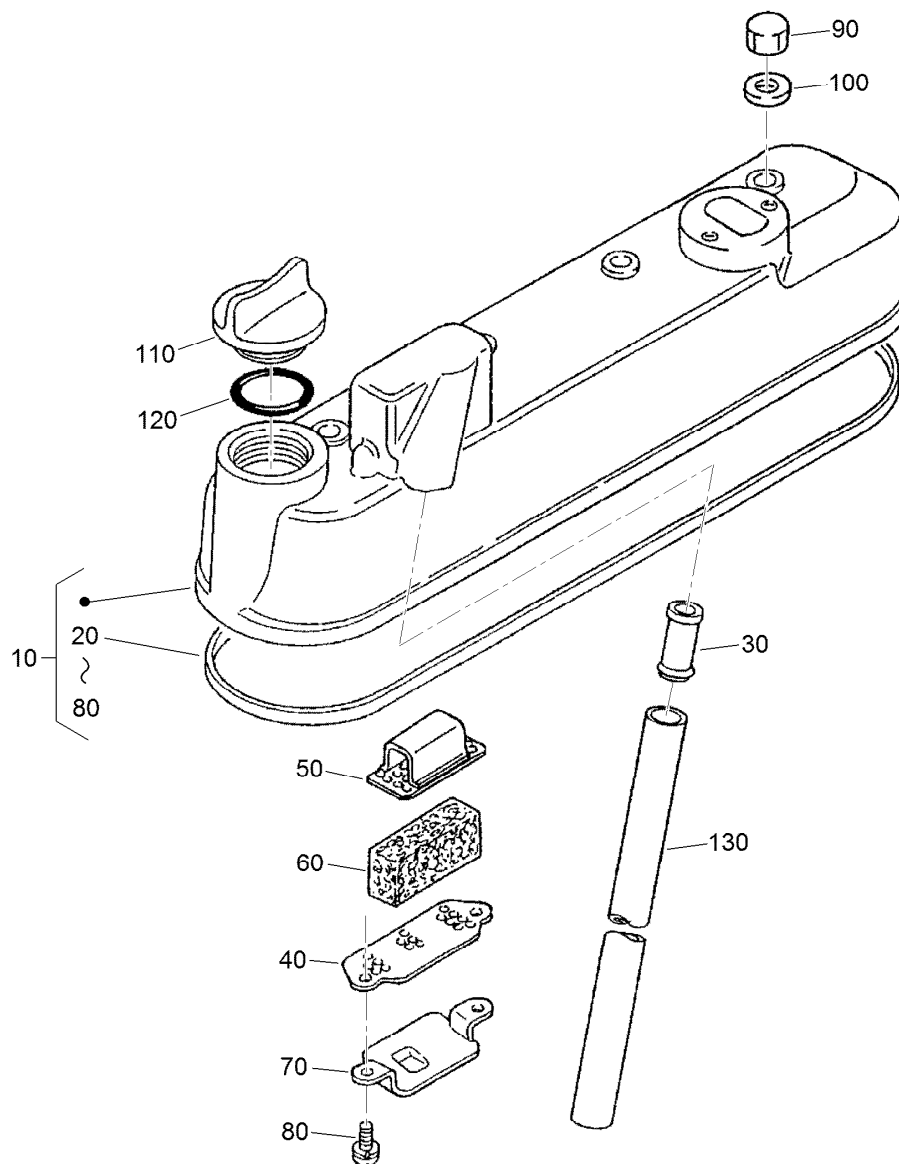
Ref.	Part Number	Qty.	Description
10	130-1231	1	Hook-Engine
20	98-9478	1	Hook-Engine
30	100-9195	2	Bolt
40	130-1382	1	Cylinder Head ASM
50	105-3705	1	Cap-Sealing
60	98-9687	2	Plug
70	107-9066	4	Guide-Valve, Inlet
80	107-9067	4	Guide-Valve, Exhaust
90	98-9389	3	Cap-Sealing
100	98-9479	18	Bolt-Head, Cylinder
110	127-0434	1	Gasket-Head, Cylinder
120	98-9444	1	Plug



Gear Case and Oil Filter Cartridge Assembly

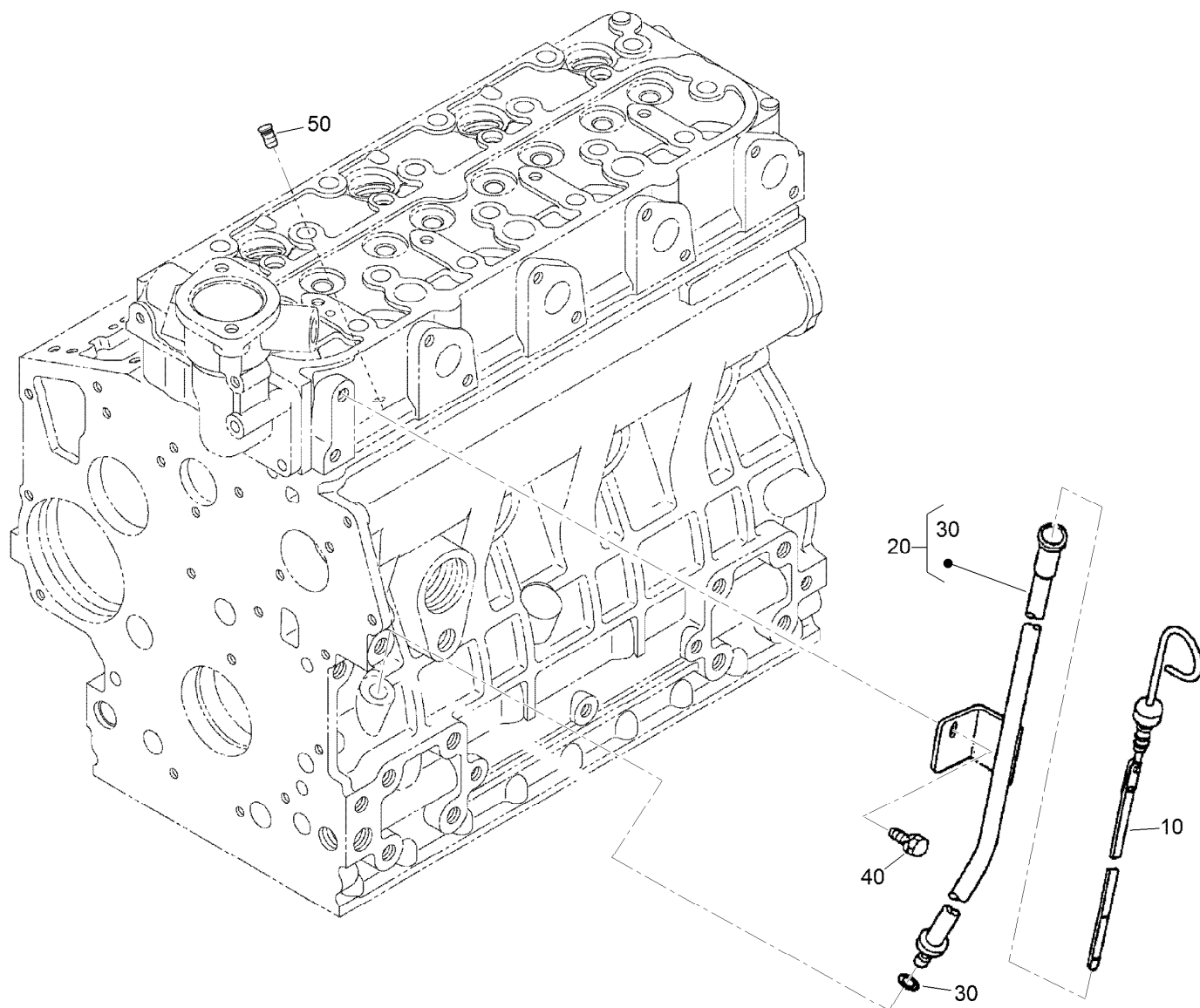
Ref.	Part Number	Qty.	Description
10	130-1243	1	Gear Case ASM
20	98-9598	2	Plug
25	98-7487	1	Plug
30	98-7562	1	Washer-Plain
40	98-9388	1	Joint-Pipe
50	130-1511	1	Spring
60	130-1510	1	Valve-Relief
70	98-9380	1	Ball
80	130-1508	1	Rotor ASM
85	130-1509	1	Cover-Pump, Oil
90	130-1164	5	Screw-Binding
100	107-9072	2	Pin-Straight
110	98-9633	1	Gasket-Case, Gear

Ref.	Part Number	Qty.	Description
120	100-1765	3	Bolt
130	125-9063	4	Bolt-Sems
140	98-9356	4	Bolt
150	107-9074	1	Bolt
160	98-9586	1	Bolt
170	105-3709	1	Stud
180	100-2203	1	Nut-Flange
190	98-7699	1	Washer-Spring
200	119-8038	1	Seal-Oil
230	105-3710	2	Stud
240	98-9641	1	Cover-Case, Gear
250	130-1569	1	Cartridge-Filter, Oil



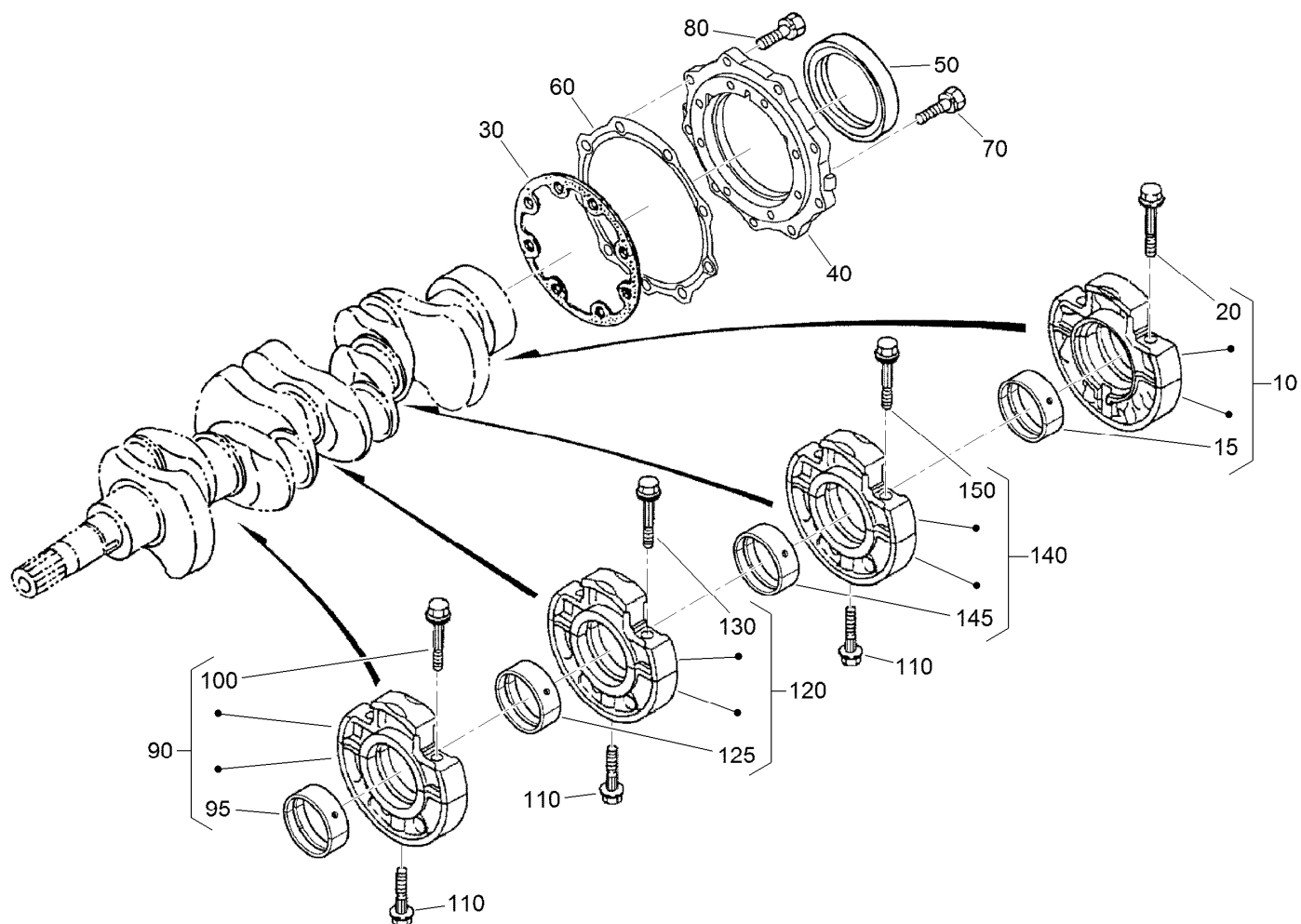
Cylinder Head Cover Assembly

Ref.	Part Number	Qty.	Description
10	105-3711	1	Cylinder Head Cover ASM
20	105-3712	1	Gasket-Cover, Head
30	98-9492	1	Joint-Pipe, Breather
40	98-9488	1	Plate-Element, Breather
50	98-9489	1	Plate-Element, Breather
60	98-9493	1	Element-Breather
70	98-9490	1	Shield-Oil, Breather
80	98-9364	2	Screw (With Washer)
90	98-9455	4	Nut-Cap
100	98-9454	4	Gasket
110	107-9075	1	Plug-Filler, Oil
120	99-3446	1	O-Ring
130	98-9491	1	Pipe-Breather



Dipstick and Guide Assembly

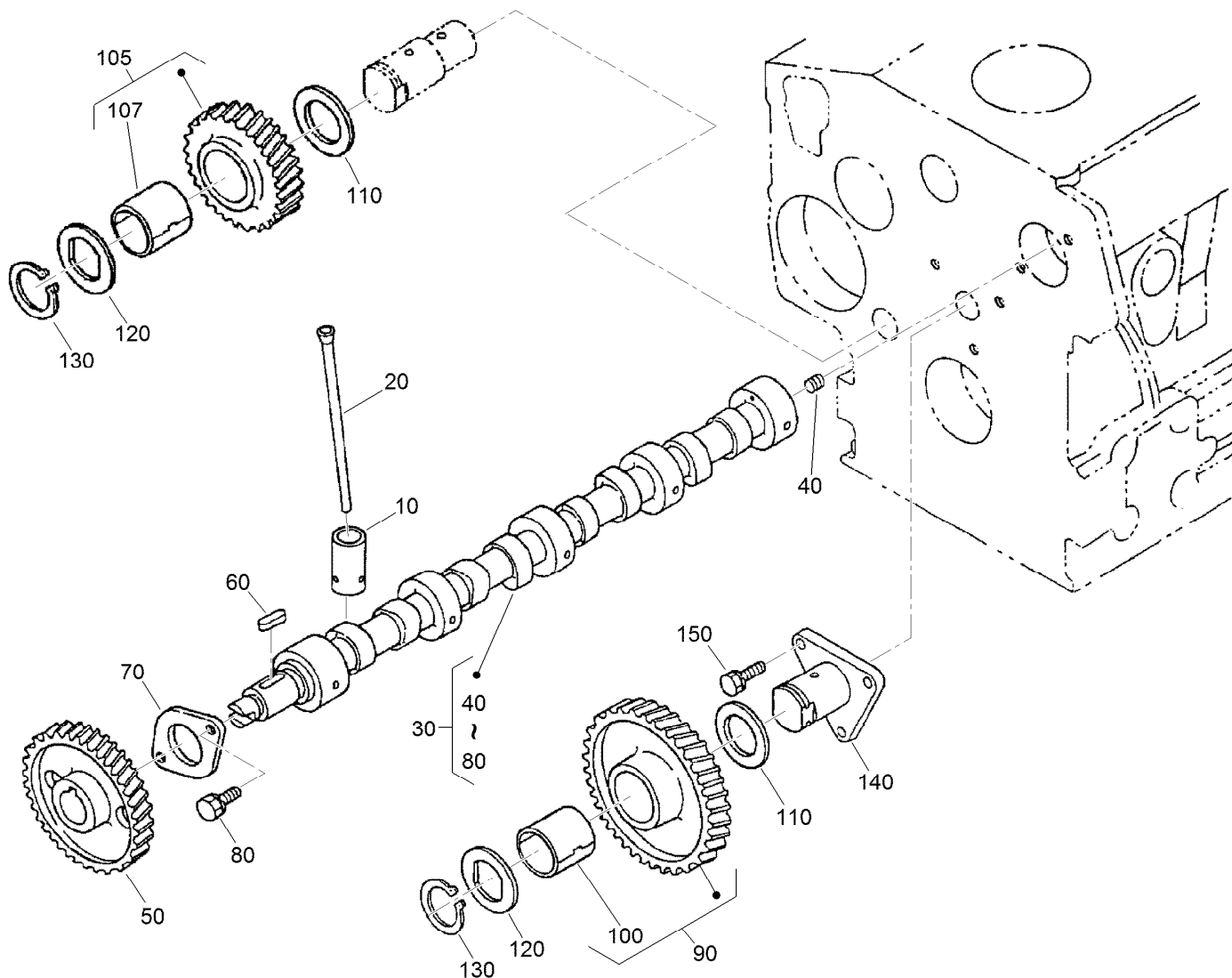
Ref.	Part Number	Qty.	Description
10	120-3124	1	Gauge-Oil
20	98-9672	1	Oil Gauge Guide ASM
30	98-9722	1	O-Ring
40	100-9195	1	Bolt
50	110-3720	1	Plug-Gauge, Oil



Main Bearing Case Assembly

Ref.	Part Number	Qty.	Description
10	112-7026	1	Wheel Bearing Case ASM
15	115-4121	1	Metal-Crankshaft (STD)
20	98-9484	2	Bolt-Case, Bearing
30	127-0440	1	Gasket-Case, Bearing
40	112-7046	1	Cover-Case, Bearing
50	112-0180	1	Seal-Oil
60	112-7037	1	Gasket-Cover, Case
70	127-0441	8	Bolt
80	127-0442	9	Bolt
90	115-4106	1	Main Bearing Case ASM

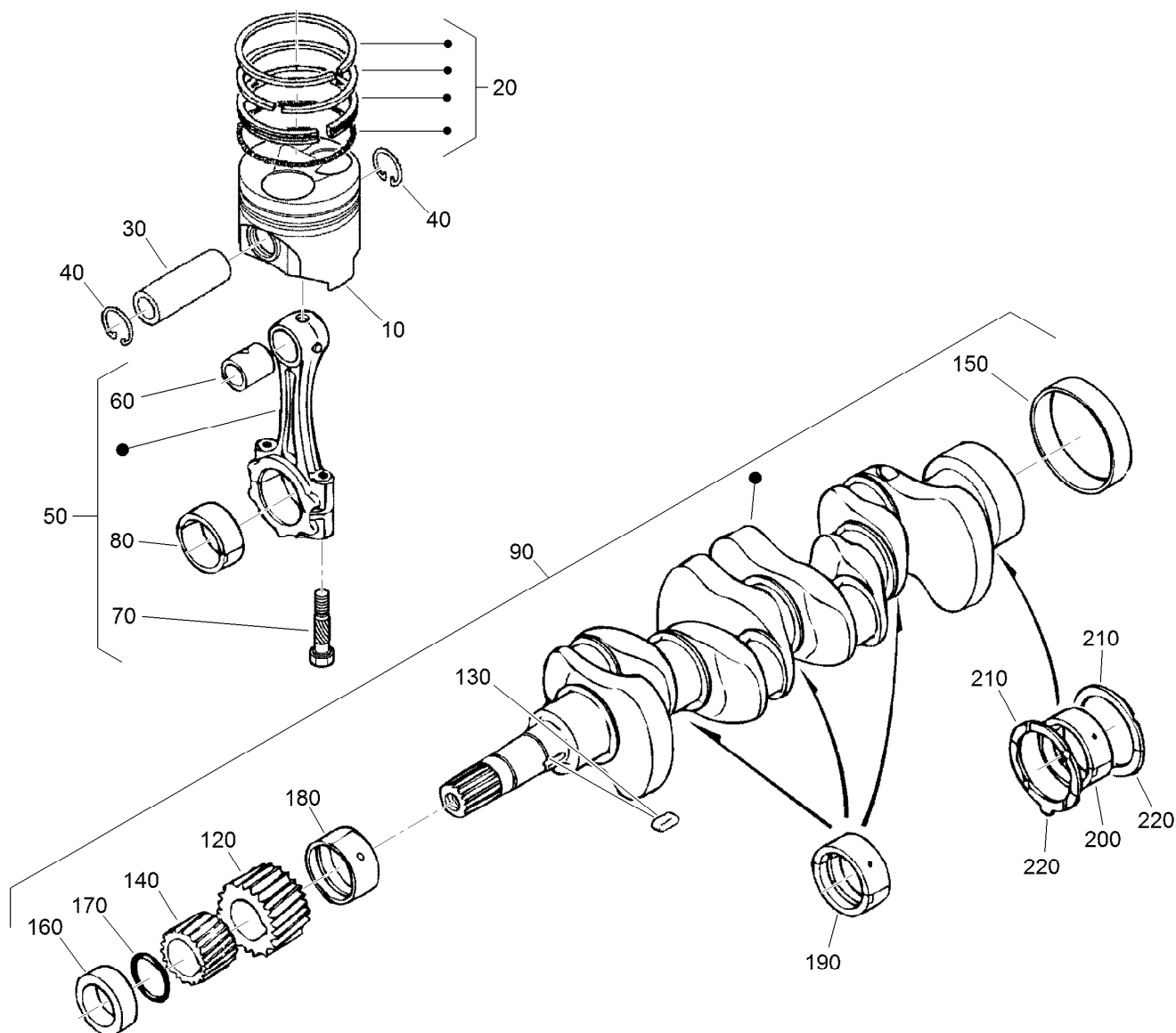
Ref.	Part Number	Qty.	Description
95	98-9524	1	Metal-Crankshaft (STD Set)
100	98-9484	2	Bolt-Case, Bearing
110	98-9485	3	Bolt-Case, Bearing
120	115-4107	1	Main Bearing Case ASM
125	98-9524	1	Metal-Crankshaft (STD Set)
130	98-9484	2	Bolt-Case, Bearing
140	130-1265	1	Main Bearing Case ASM
145	98-9524	1	Metal-Crankshaft (STD Set)
150	98-9484	2	Bolt-Case, Bearing



Camshaft and Idle Gear Shaft Assembly

Ref.	Part Number	Qty.	Description
10	112-0185	8	Tappet
20	127-0421	8	Rod-Push
30	120-3116	1	Camshaft ASM
40	110-3729	1	Ball
50	98-9512	1	Gear-Cam
60	98-9378	1	Key-Feather
70	98-9510	1	Stopper-Camshaft
80	98-7692	2	Bolt
90	117-7584	1	Idle Gear ASM

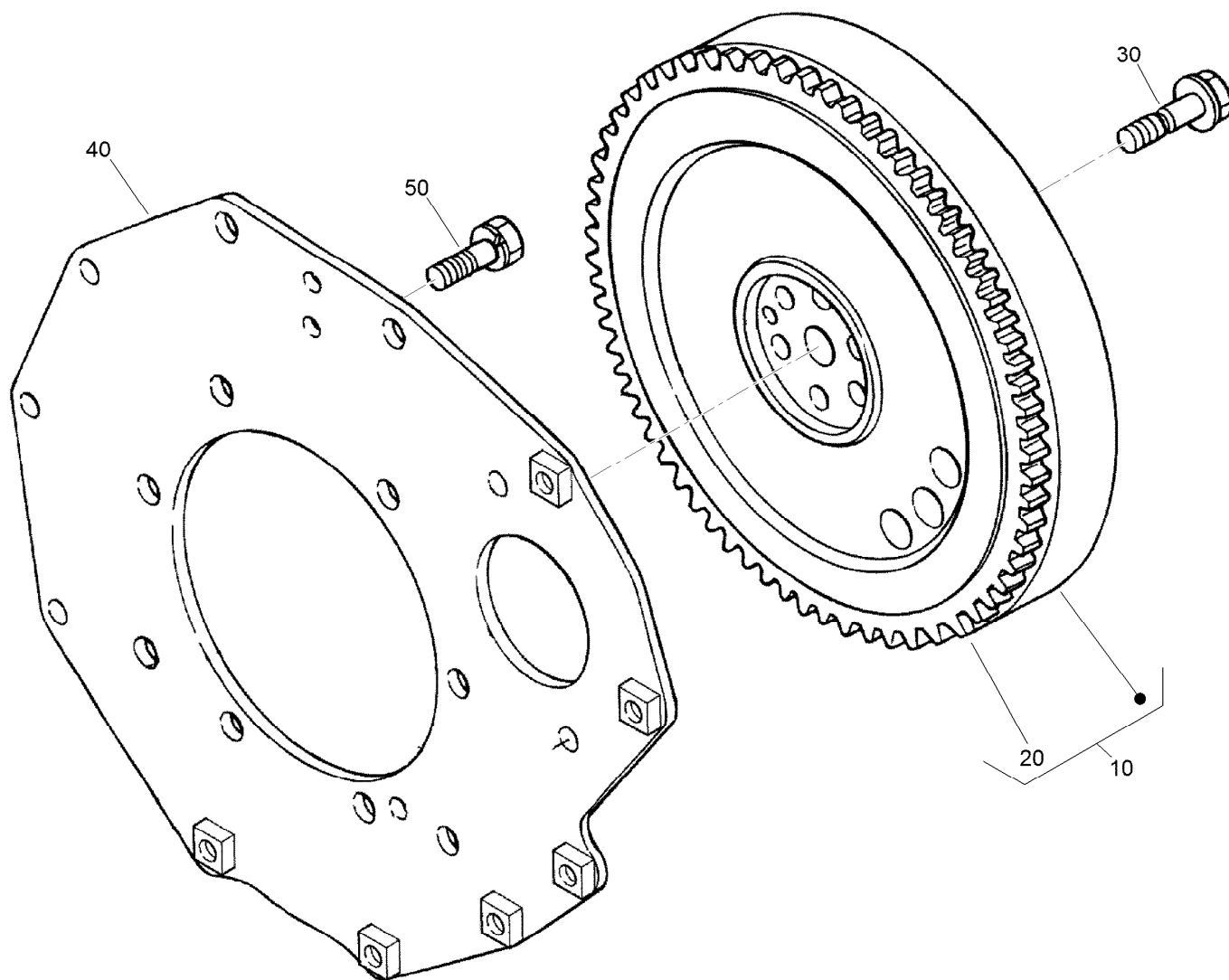
Ref.	Part Number	Qty.	Description
100	117-7585	1	Bushing-Gear, Idle
105	130-1259	1	Idler Gear ASM
107	117-7585	1	Bushing-Gear, Idle
110	98-9535	1	Collar-Gear, Idle
120	98-9536	1	Collar-Gear, Idle
130	98-9534	1	Circlip-Gear, Idle
140	98-9533	1	Shaft-Gear, Idle
150	98-7692	3	Bolt



Piston and Crankshaft Assembly

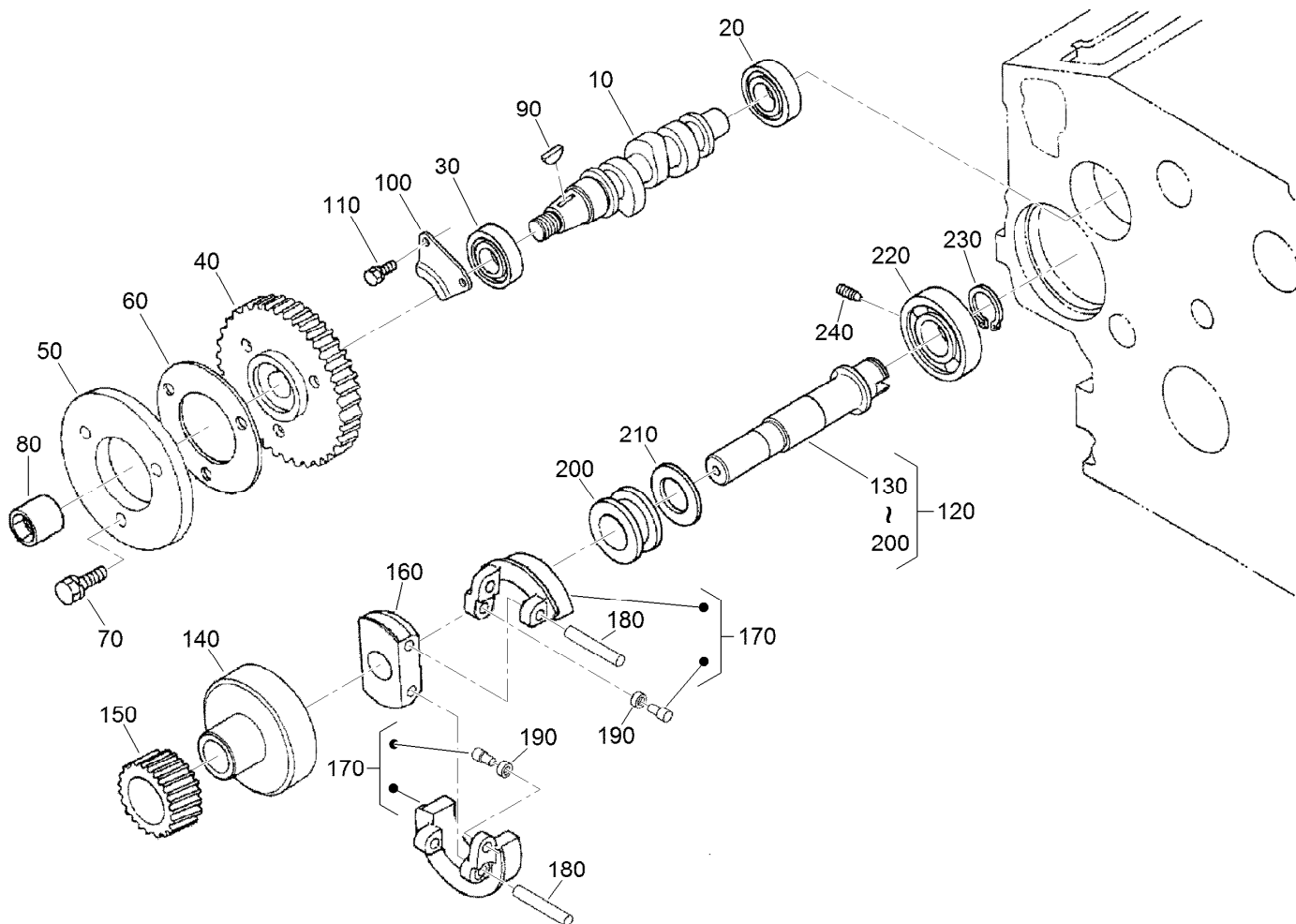
Ref.	Part Number	Qty.	Description
10	112-8404	4	Piston (STD)
10	112-8414	4	Piston (+0.5Mm)
20	98-9551	4	Piston Ring ASM (STD)
20	108-1404	4	Piston Ring ASM (+0.5Mm)
30	98-9513	4	Pin-Piston
40	98-9514	8	Circlip-Pin, Piston
50	117-7586	4	Connecting Rod ASM
60	115-3014	4	Bushing-Pin, Piston
70	98-9517	8	Bolt-Rod, Connecting
80	98-9553	4	Bearing-Rod (STD)
80	117-7587	4	Metal-Crankpin (-0.2Mm)
80	117-7588	4	Metal-Crankpin (-0.4Mm)
90	120-2561	1	Crankshaft ASM
120	117-7561	1	Gear-Crankshaft
130	98-9666	1	Key
140	127-0445	1	Gear-Drive, Oil Pump
150	98-9522	1	Sleeve-Crankshaft

Ref.	Part Number	Qty.	Description
160	127-0444	1	Collar-Crankshaft
170	105-3783	1	O-Ring
180	112-7005	1	Bearing-Main (STD)
180	98-9528	1	Bearing-Main (-0.2Mm)
180	130-1274	1	Metal-Crankshaft (-0.40Mm)
190	98-9524	3	Metal-Crankshaft (STD Set)
190	127-0433	3	Metal-Crankshaft (-0.2Mm)
190	98-9531	3	Bearing-Main (0.4Mm)
200	115-4121	1	Metal-Crankshaft (STD)
200	112-7039	1	Metal-Crankshaft (0.2Mm)
200	112-7040	1	Metal-Crankshaft (-0.4Mm)
210	98-9413	2	Bearing-Thrust (STD)
210	127-0416	2	Metal-Side (+0.2Mm)
210	127-0417	2	Metal-Side (+0.40Mm)
220	98-9688	2	Bearing-Thrust (STD)
220	127-0437	2	Metal-Side (+0.2Mm)
220	127-0438	2	Metal-Side (+0.40Mm)



Flywheel Assembly

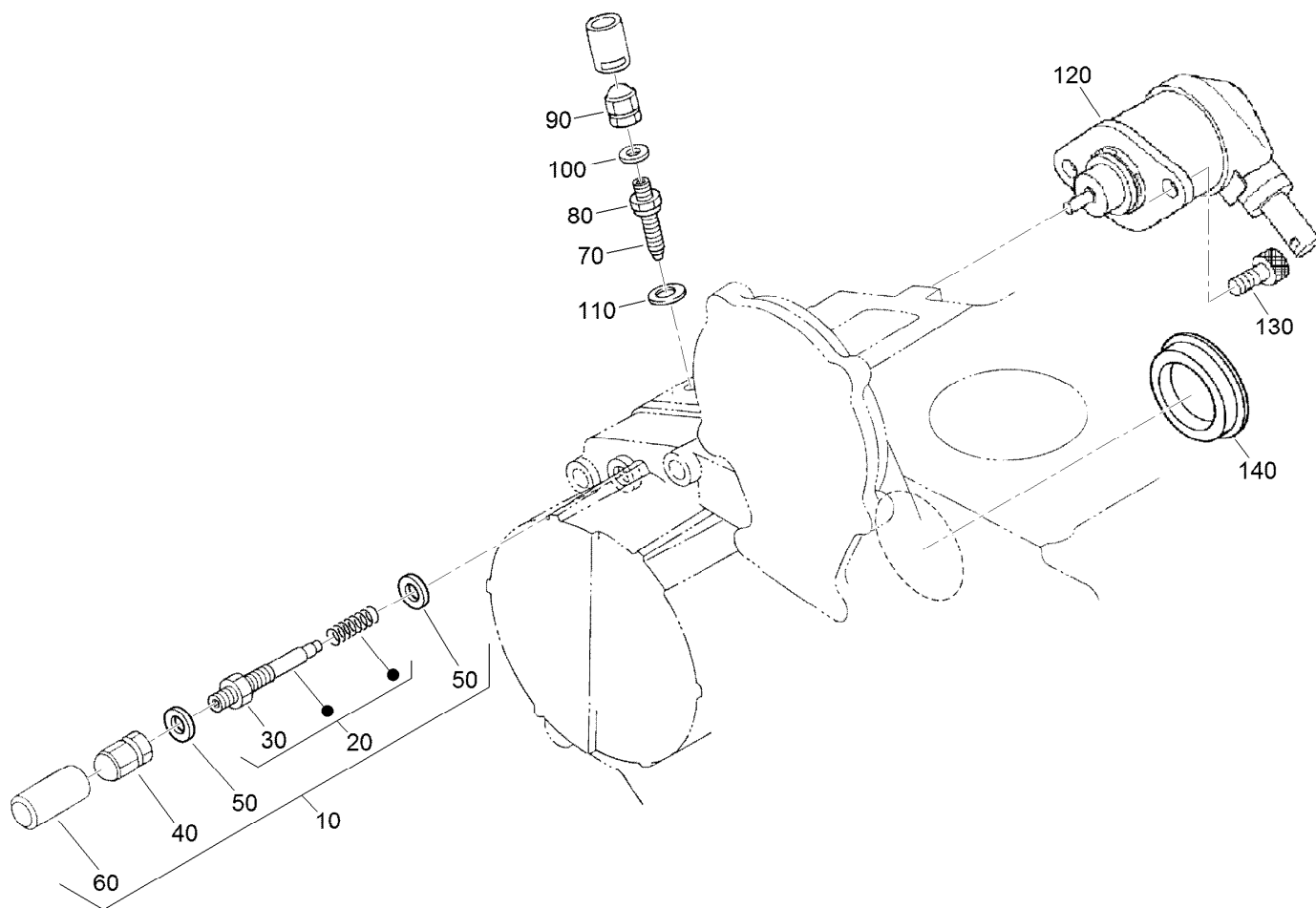
Ref.	Part Number	Qty.	Description
10	105-3721	1	Flywheel ASM
20	115-3015	1	Gear-Ring
30	98-9537	6	Bolt-Flywheel
40	98-9486	1	Plate-End, Rear
50	98-9392	8	Bolt



Fuel Camshaft and Governor Shaft Assembly

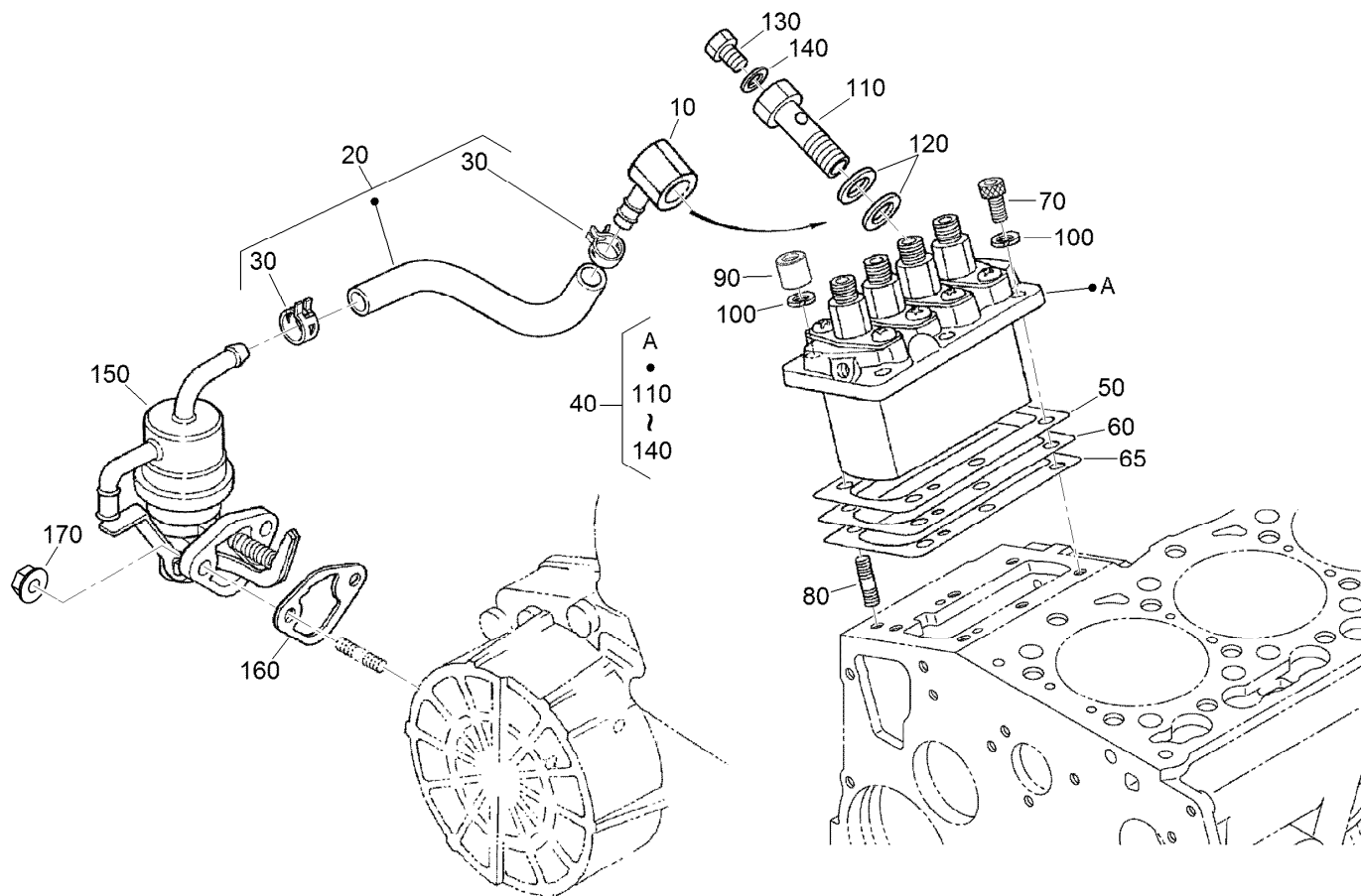
Ref.	Part Number	Qty.	Description
10	105-3723	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
40	98-9669	1	Gear-Pump, Injection
50	130-1239	1	Cam-Fuel
60	98-9548	1	Washer
70	98-9350	3	Bolt
80	130-1512	1	Nut
90	98-9595	1	Key-Woodruff
100	98-9511	1	Stopper-Fuel, Camshaft
110	98-7692	2	Bolt
120	130-1266	1	Governor Shaft ASM

Ref.	Part Number	Qty.	Description
130	105-3725	1	Shaft, Governor
140	98-9562	1	Holder-Gear, Governor
150	98-9673	1	Gear-Governor
160	98-9561	1	Holder-Weight, Governor
170	130-1240	2	Governor Weight ASM
180	98-9560	2	Shaft-Weight, Governor
190	98-9692	2	Roller
200	98-9563	1	Sleeve-Governor
210	98-9564	1	Washer-Thrust
220	107-9079	1	Bearing-Ball
230	98-9657	1	Circlip-Shaft, Governor
240	98-9565	1	Screw-Set



Idle Apparatus and Stop Solenoid Assembly

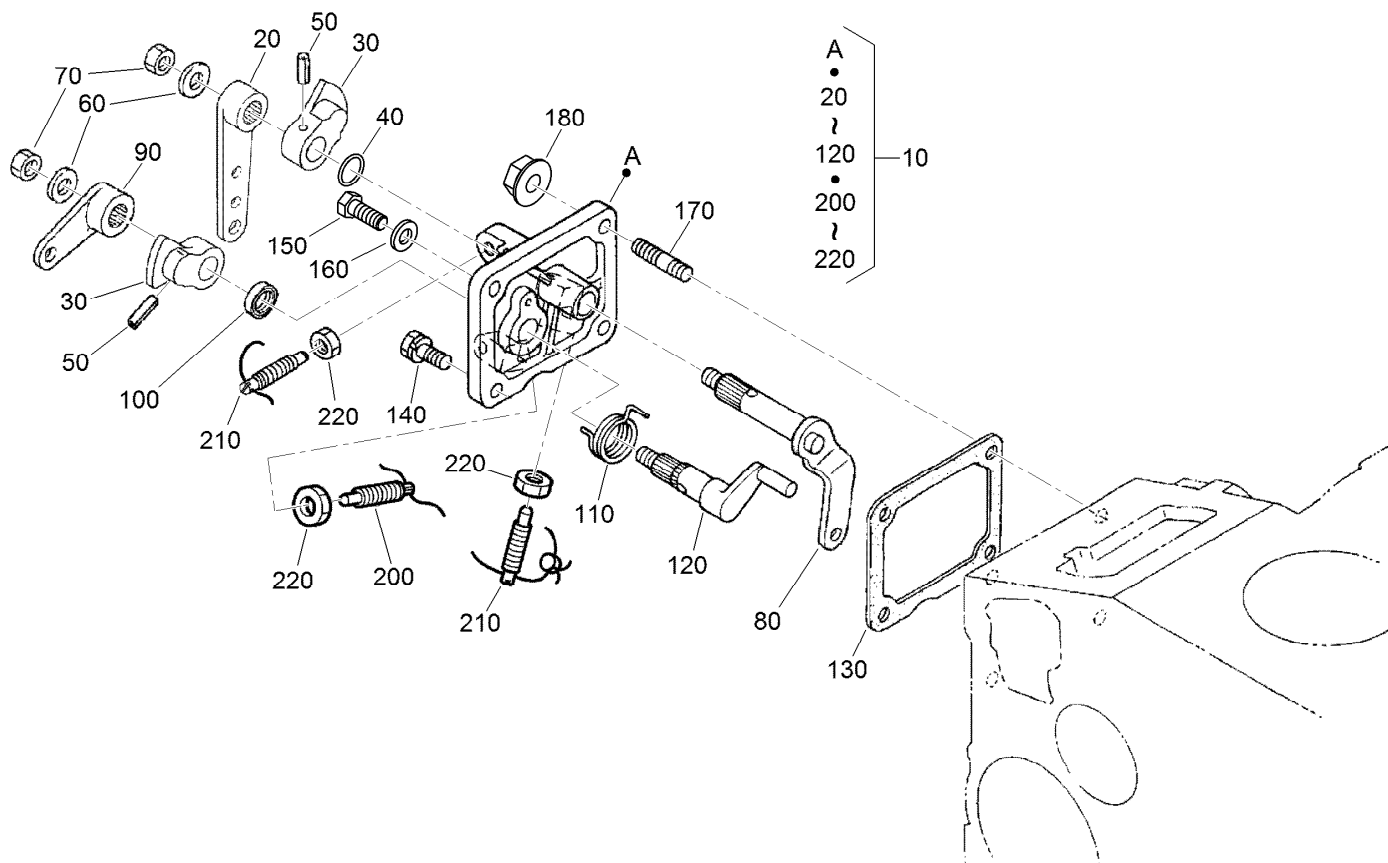
Ref.	Part Number	Qty.	Description
10	98-9678	1	Idle Apparatus ASM
20	112-7014	1	Adjusting Bolt ASM
30	98-9439	1	Nut
40	112-0181	1	Nut
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	112-7015	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	112-0181	1	Nut
100	98-7654	1	Gasket
110	107-9081	1	Gasket
120	104-5155	1	Solenoid-Stop
130	130-1155	2	Screw-HSH
140	112-7016	1	Cover-Pump



Injection Pump and Fuel Pump Assembly

Ref.	Part Number	Qty.	Description
10	98-9596	1	Joint-Eye
20	130-1238	1	Fuel Pipe ASM
30	100-2217	2	Clip-Pipe
40	105-3727	1	Injection Pump ASM
50	105-3728	1	Shim-Pump, Injection (.20Mm)
50	105-3729	1	Shim-Pump, Injection (.25Mm)
60	105-3730	1	Shim-Pump, Injection (.30Mm)
60	115-3016	1	Shim-Pump, Injection (.350Mm)
65	115-3017	1	Shim-Pump, Injection (.175Mm)

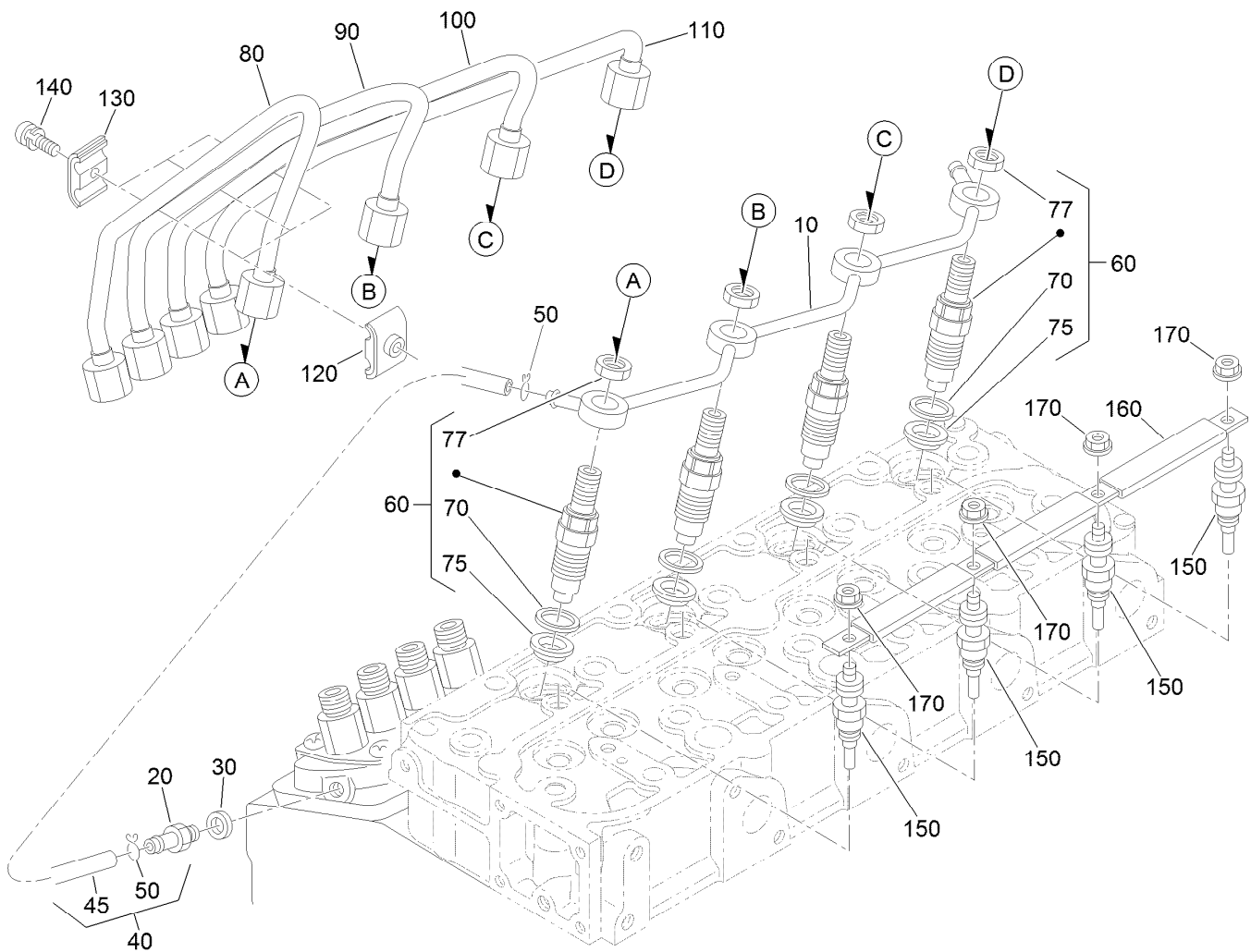
Ref.	Part Number	Qty.	Description
70	117-7564	3	Bolt-Hex Soc HD
80	98-9438	3	Stud
90	98-9440	3	Nut-Cap
100	98-7699	3	Washer-Spring
110	98-9464	1	Bolt-Joint
120	98-9445	2	Gasket
130	98-9430	1	Screw
140	98-9446	1	Gasket
150	98-9677	1	Fuel Pump ASM
160	98-9636	1	Gasket-Pump, Fuel
170	100-2203	2	Nut-Flange



Speed Control Plate Assembly

Ref.	Part Number	Qty.	Description
10	98-9661	1	Control Plate ASM
20	98-9662	1	Lever-Control, Speed
30	98-9572	2	Lever-Control, Speed
40	105-3788	1	O-Ring
50	98-7602	2	Pin-Spring
60	98-9594	2	Washer-Plain
70	98-9589	2	Nut
80	98-9658	1	Governor Lever ASM
90	98-9663	1	Lever-Stop, Engine
100	98-7601	1	Seal-Oil
110	98-9472	1	Spring-Return

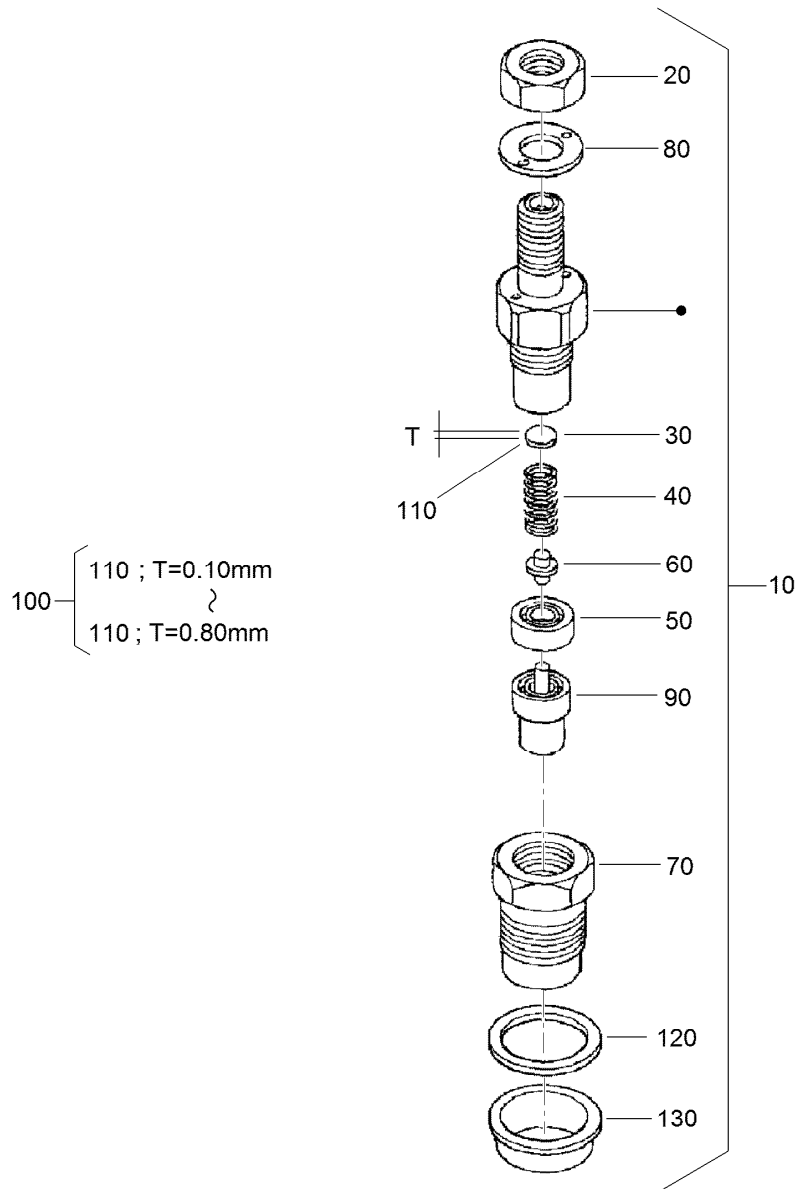
Ref.	Part Number	Qty.	Description
120	98-9664	1	Shaft-Lever, Stop
130	98-9637	1	Gasket
140	98-7692	1	Bolt
150	127-0401	1	Bolt-Hex
160	98-7654	1	Gasket
170	105-3710	2	Stud
180	100-2203	2	Nut-Flange
200	117-7565	2	Bolt-Adjusting
210	117-7566	1	Bolt-Adjusting
220	98-7572	3	Nut



Nozzle Holder and Glow Plug Assembly

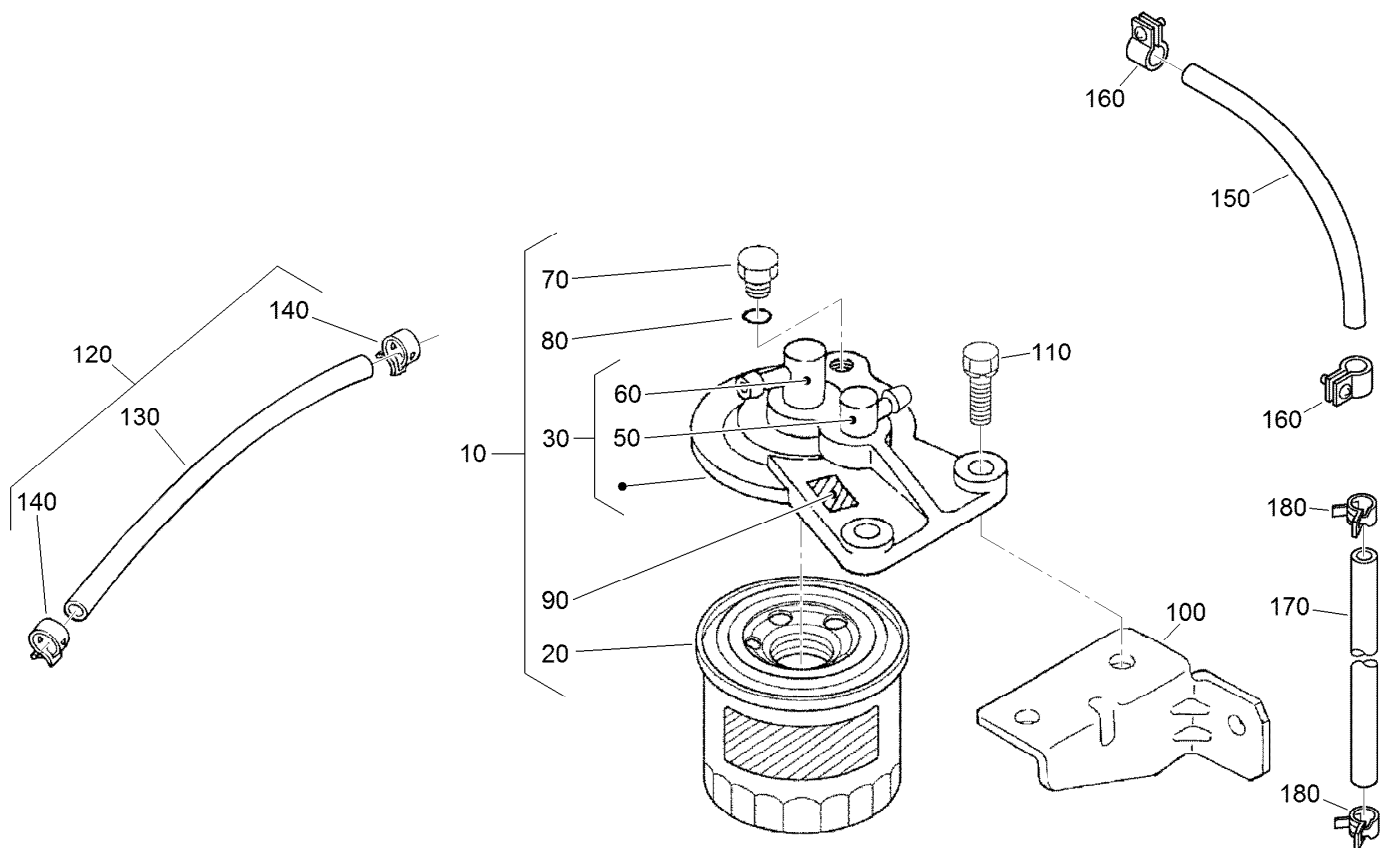
Ref.	Part Number	Qty.	Description
10	105-3737	1	Over Flow Pipe ASM
20	98-9431	1	Screw-Bleeder, Air
30	98-7654	1	Gasket
40	98-9420	1	Overflow Pipe ASM
45	112-0182	1	Pipe-Overflow
50	98-7671	2	Clip-Pipe
60	108-2866	4	Nozzle Holder Kit
70	98-7676	4	Gasket
75	98-7677	4	Seal-Heat
77	121-2411	4	Nut

Ref.	Part Number	Qty.	Description
80	98-9653	1	Pipe-Injection
90	98-9654	1	Pipe-Injection
100	98-9655	1	Pipe-Injection
110	105-3738	1	Pipe-Injection
120	98-7682	3	Clamp-Pipe
130	98-7683	3	Clamp-Pipe
140	98-7684	3	Screw (W/Washer)
150	115-3019	4	Plug-Glow
160	105-3739	1	Cord-Plug, Glow
170	99-8377	4	Nut-Flange



Nozzle Holder Assembly

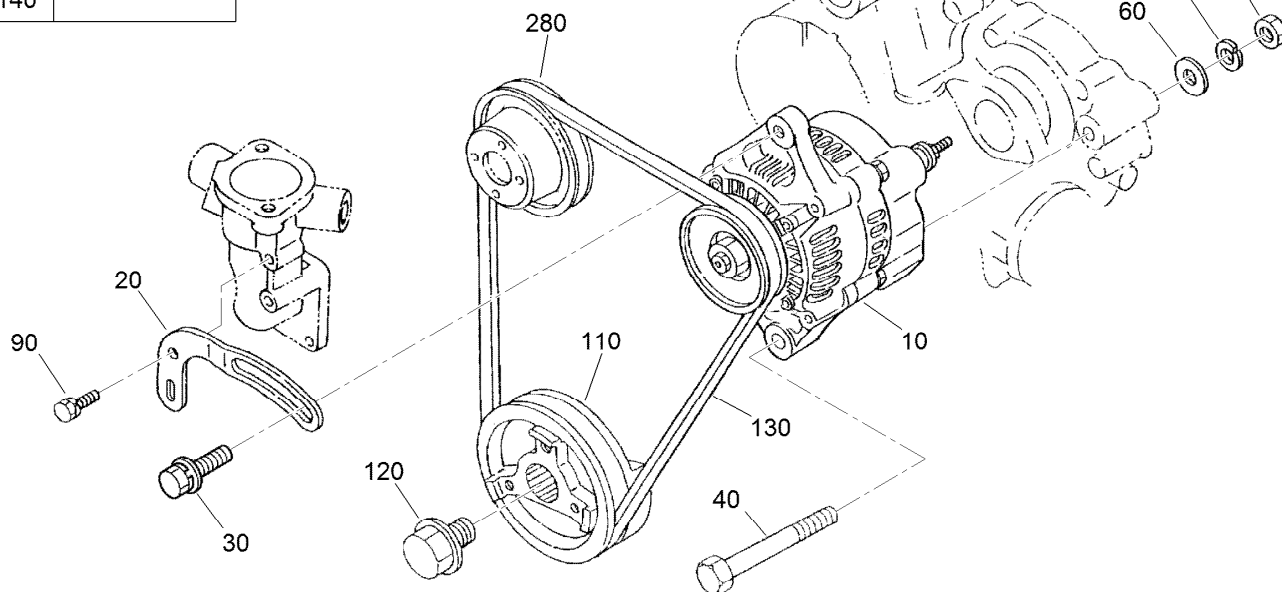
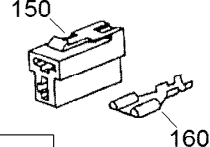
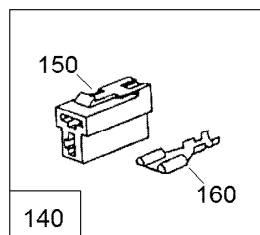
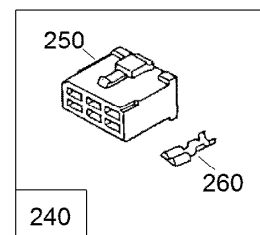
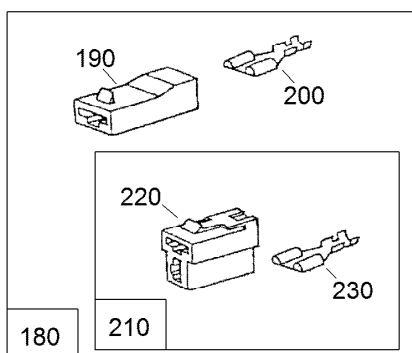
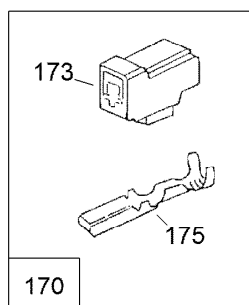
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
10	108-2866	4	Nozzle Holder Kit	110	99-8311	4	Washer-Adjust (0.20Mm)
20	121-2411	4	Nut	110	99-8312	4	Washer-Adjust (0.30Mm)
30	99-8302	4	Washer-Adjusting	110	99-8313	4	Washer-Adjust (0.40Mm)
40	99-8303	4	Spring-Nozzle	110	99-8314	4	Washer-Adjust (0.50Mm)
50	99-8304	4	Spacer-Distance	110	99-8315	4	Washer-Adjust (0.52Mm)
60	99-8305	4	Rod-Push	110	99-8316	4	Washer-Adjust (0.54Mm)
70	99-8306	4	Nut-Nozzle	110	99-8317	4	Washer-Adjust (0.56Mm)
80	99-8307	4	Washer-Plain	110	99-8318	4	Washer-Adjust (0.58Mm)
90	107-7826	4	Piece-Nozzle	110	99-8319	4	Washer-Adjust (0.80Mm)
100	99-8309	4	Adjusting Washer ASM	120	98-7676	4	Gasket
110	99-8310	4	Washer-Adjust (0.10Mm)	130	98-7677	4	Seal-Heat



Fuel Filter Assembly

Ref.	Part Number	Qty.	Description
10	130-1188	1	Fuel Filter ASM
20	130-1187	1	Element-Filter
30	130-1189	1	Filter Cover ASM
50	130-1180	1	Joint-Pipe
60	130-1181	1	Joint-Pipe
70	130-1329	1	Plug-Filter Breather
80	130-1179	1	O Ring
90	130-1190	1	Mark-Form
100	130-1271	1	Holder-Fuel Filter

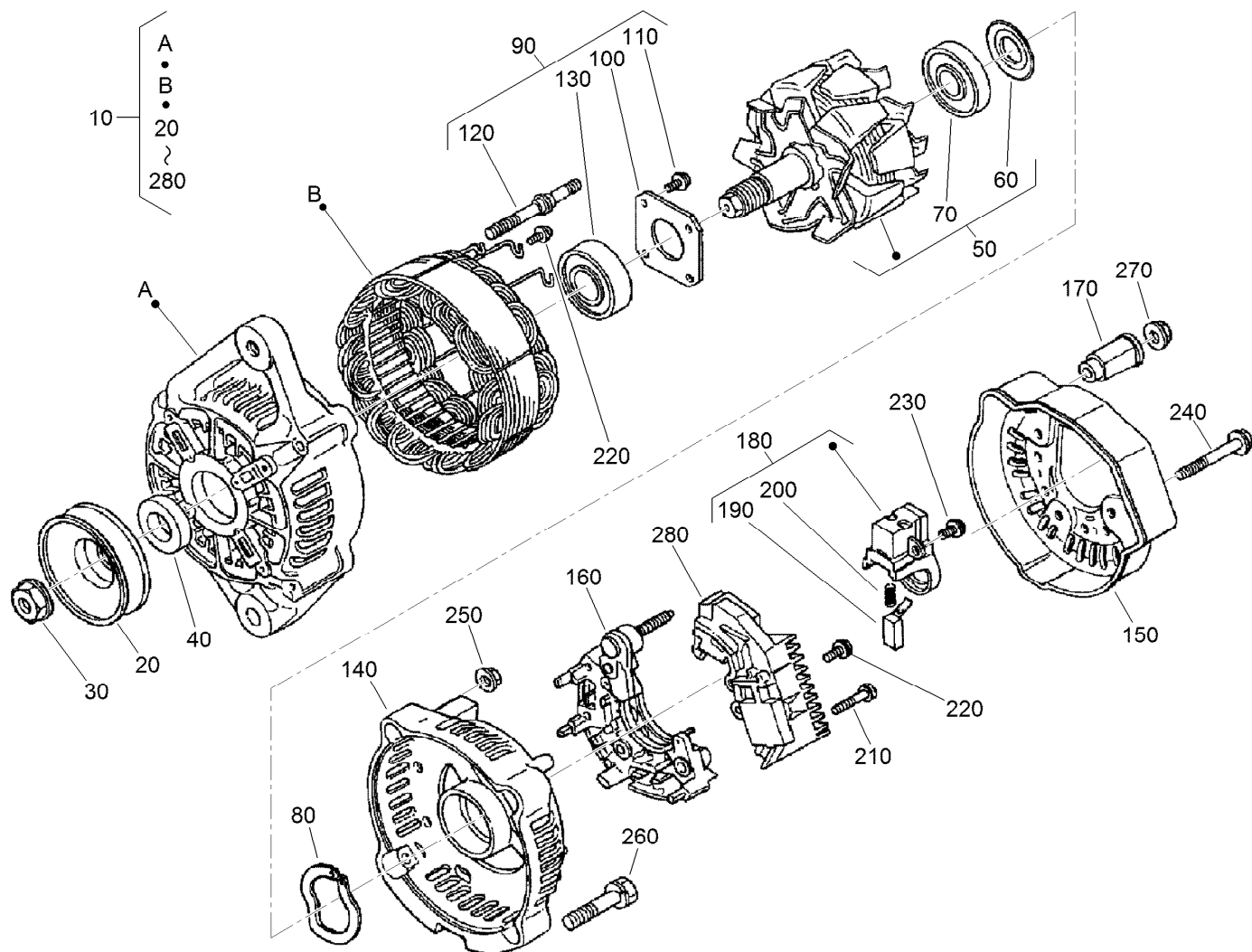
Ref.	Part Number	Qty.	Description
110	98-7610	2	Bolt
120	130-1270	1	Fuel Pipe ASM
130	130-1172	1	Tube-Fuel
140	100-2217	2	Clip-Pipe
150	130-1222	1	Pipe-Fuel
160	98-7616	4	Clip-Pipe
170	130-1330	1	Pipe-Over Flow, Fuel
180	98-7672	6	Clip-Pipe



Alternator and Pulley Assembly

Ref.	Part Number	Qty.	Description
10	98-9474	1	Alternator ASM
20	112-7047	1	Stay-Dynamo
20	112-7047	1	Stay-Dynamo
30	108-7088	1	Bolt
40	98-9360	1	Bolt
50	98-7737	1	Nut
60	98-9366	1	Washer-Plain
70	98-7738	1	Washer-Spring
90	98-7692	1	Bolt
110	105-3745	1	Pulley-Drive, Fan
120	98-9585	1	Bolt
130	98-9676	1	V-Belt
140	127-1606	1	Coupler ASM
150	98-9698	1	Connector

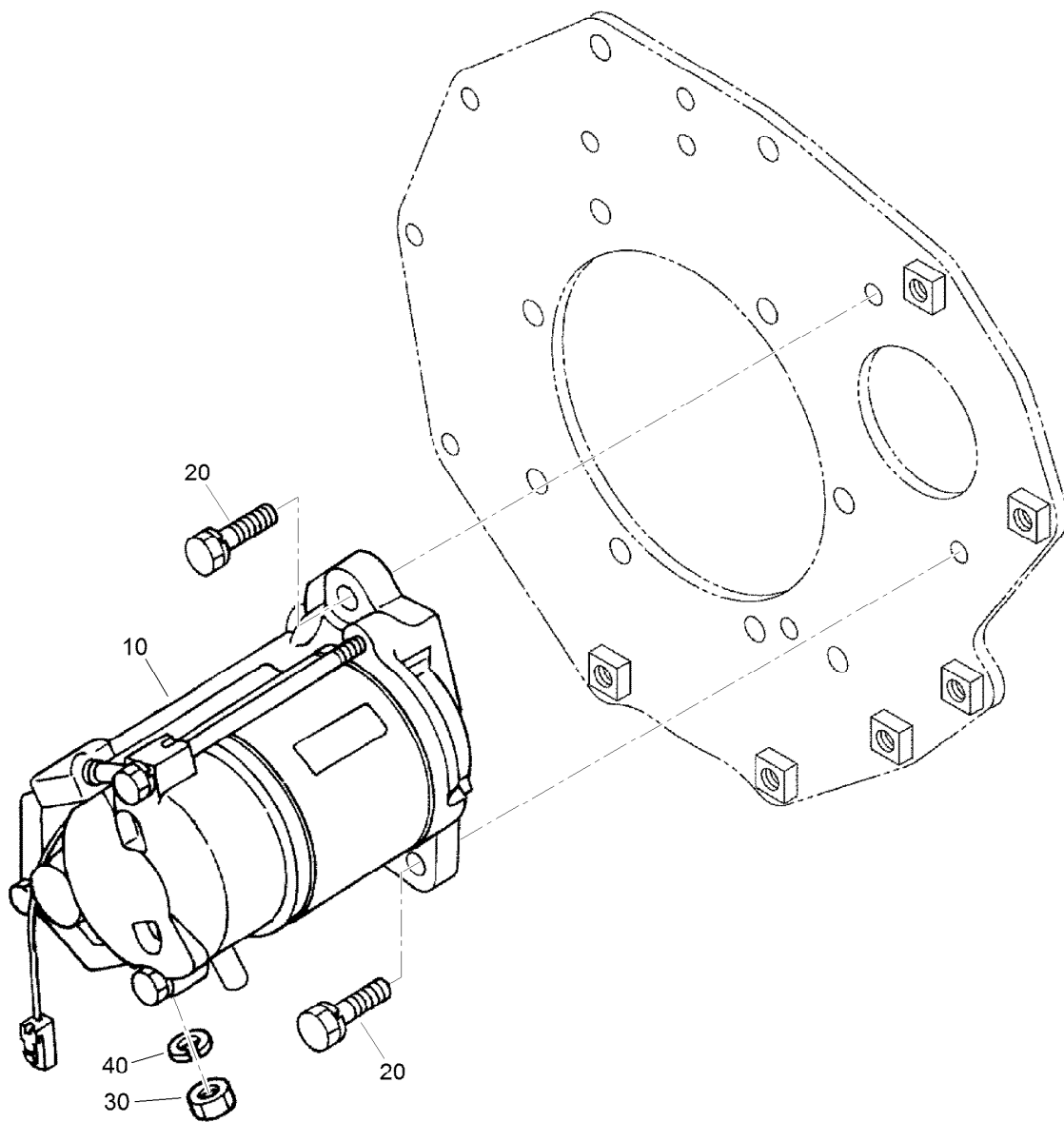
Ref.	Part Number	Qty.	Description
160	98-9699	2	Terminal
170	115-8600	1	Coupler ASM
173	115-8601	1	Connector
175	115-8602	1	Terminal
180	130-1229	1	Relay Coupler ASM
190	130-1230	2	Connector
200	130-1228	2	Terminal
210	127-1606	1	Coupler ASM
220	98-9698	1	Connector
230	98-9699	2	Terminal
240	130-1290	1	Connector Coupler ASM
250	98-9697	1	Connector
260	98-9699	5	Terminal
280	98-9584	1	Pulley-Fan



Alternator Components Assembly

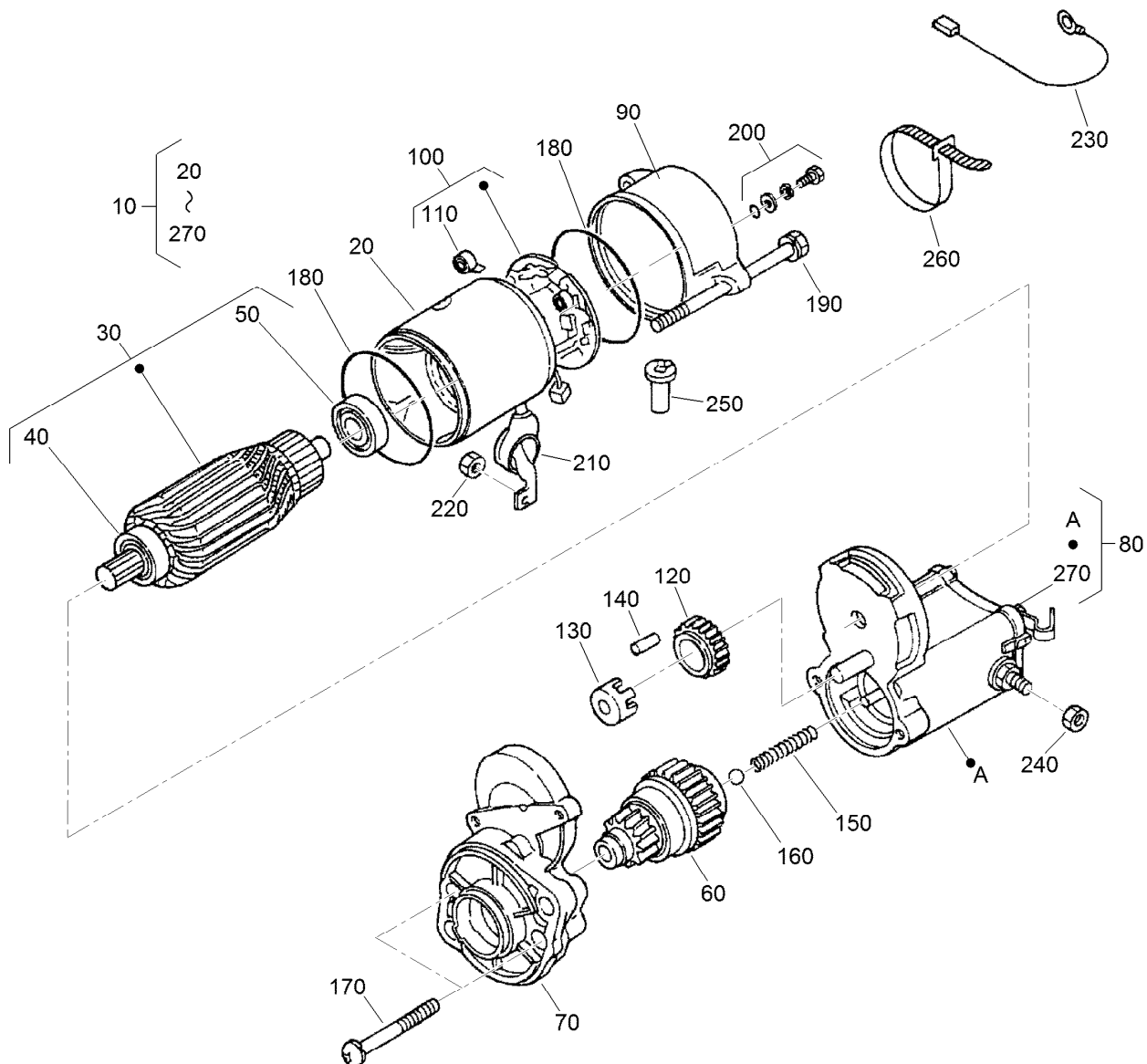
Ref.	Part Number	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	107-0137	1	Bearing-Ball
140	107-9087	1	Frame-End

Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	127-1612	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	107-0141	1	Brush Holder ASM
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	110-3799	1	Regulator ASM



Starter Assembly

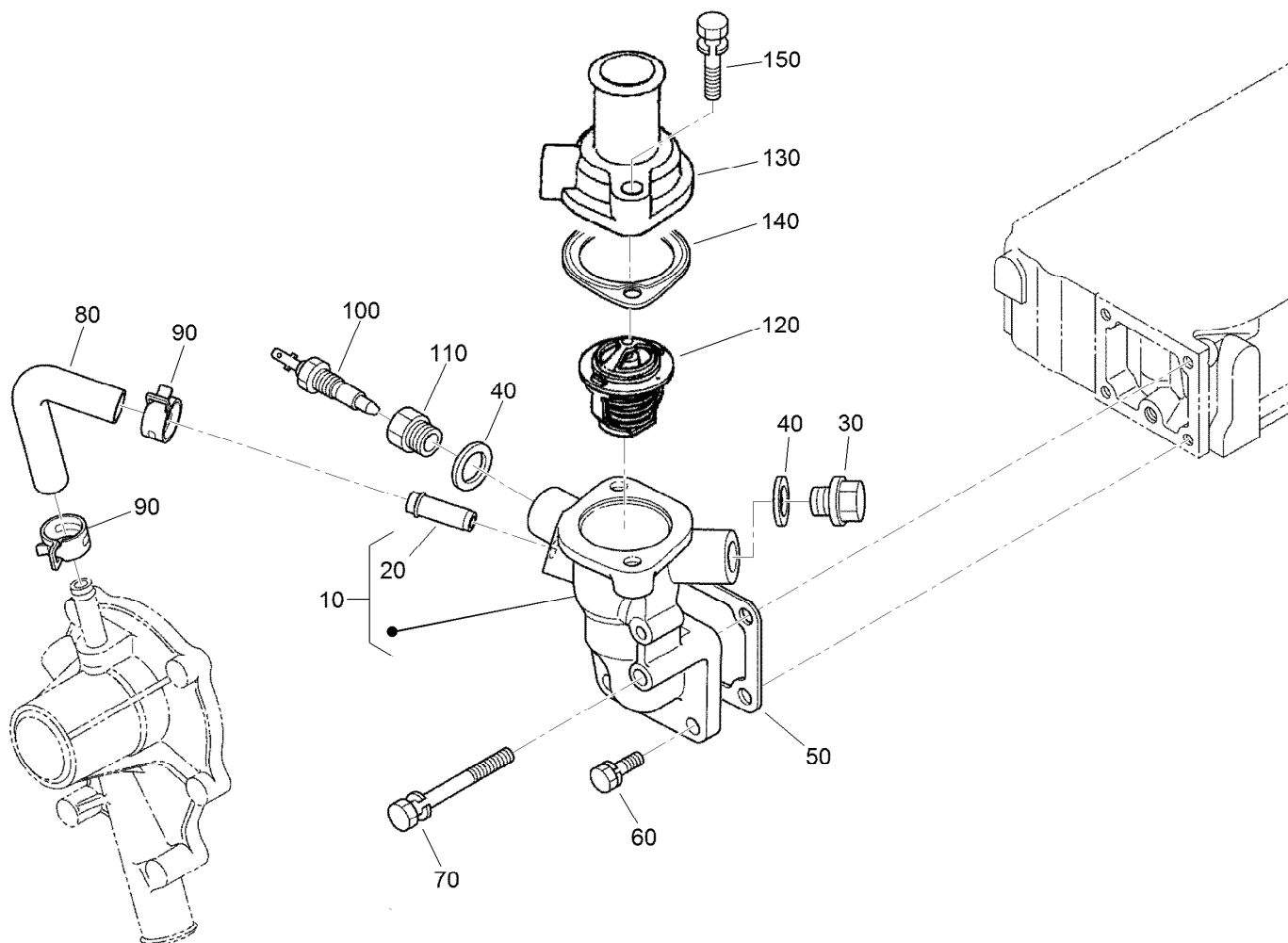
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	98-7697	2	Bolt
30	98-7739	1	Nut
40	105-2893	1	Washer-Spring



Starter (Component Part) Assembly

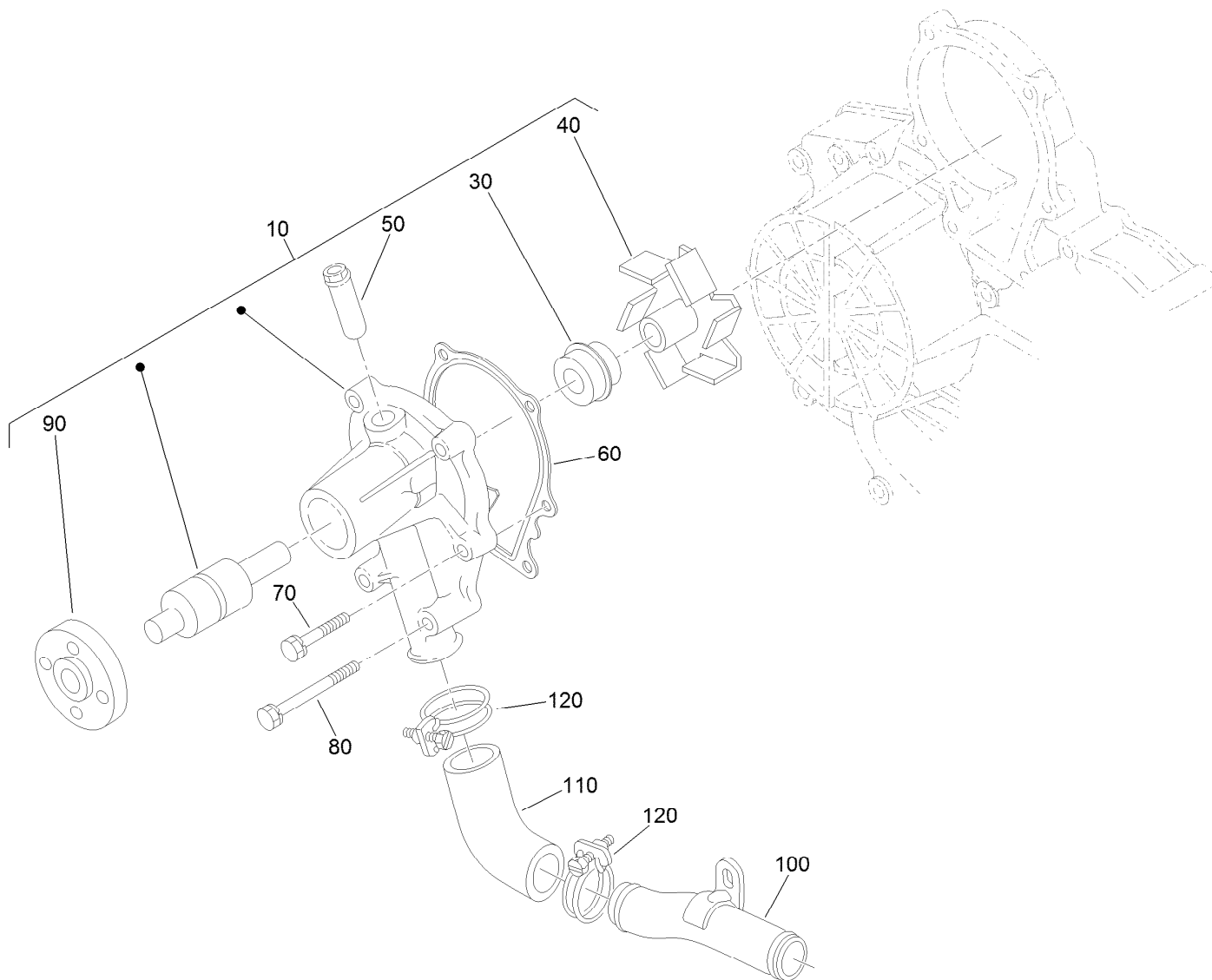
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM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

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



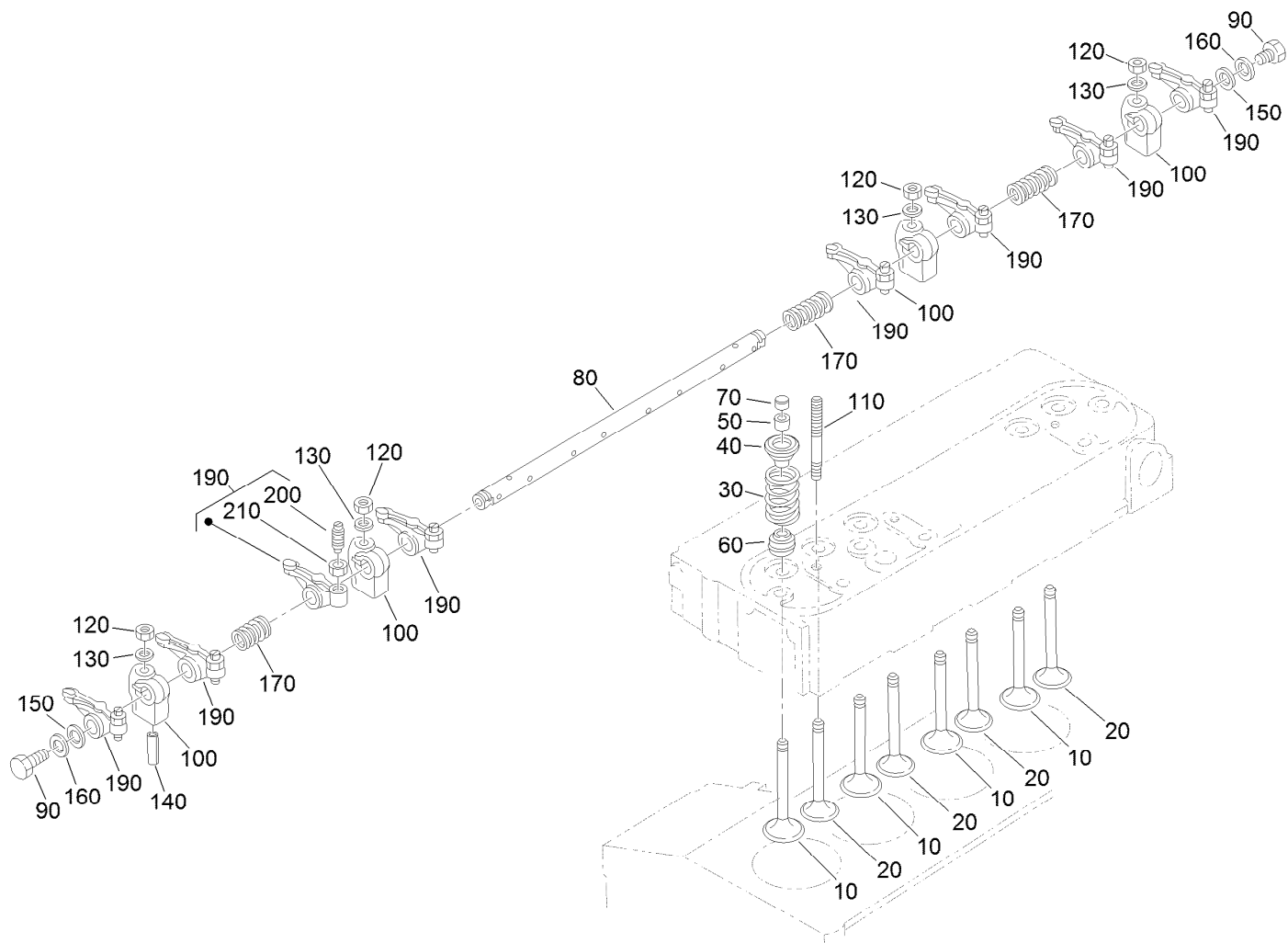
Water Flange and Thermostat Assembly

Ref.	Part Number	Qty.	Description
10	98-9713	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
30	105-3747	1	Plug
40	99-3583	2	Gasket
50	98-9638	1	Gasket-Flange, Water
60	98-7692	3	Bolt
70	98-9356	1	Bolt
80	98-9578	1	Pipe-Return, Water
90	98-9579	2	Band-Pipe
100	100-1983	1	Thermo-Switch
110	130-1377	1	Adapter-Thermoswitch
120	98-7778	1	Thermostat ASM
130	98-9471	1	Cover-Thermostat
140	105-3748	1	Gasket-Thermostat
150	98-7777	2	Bolt



Water Pump Assembly

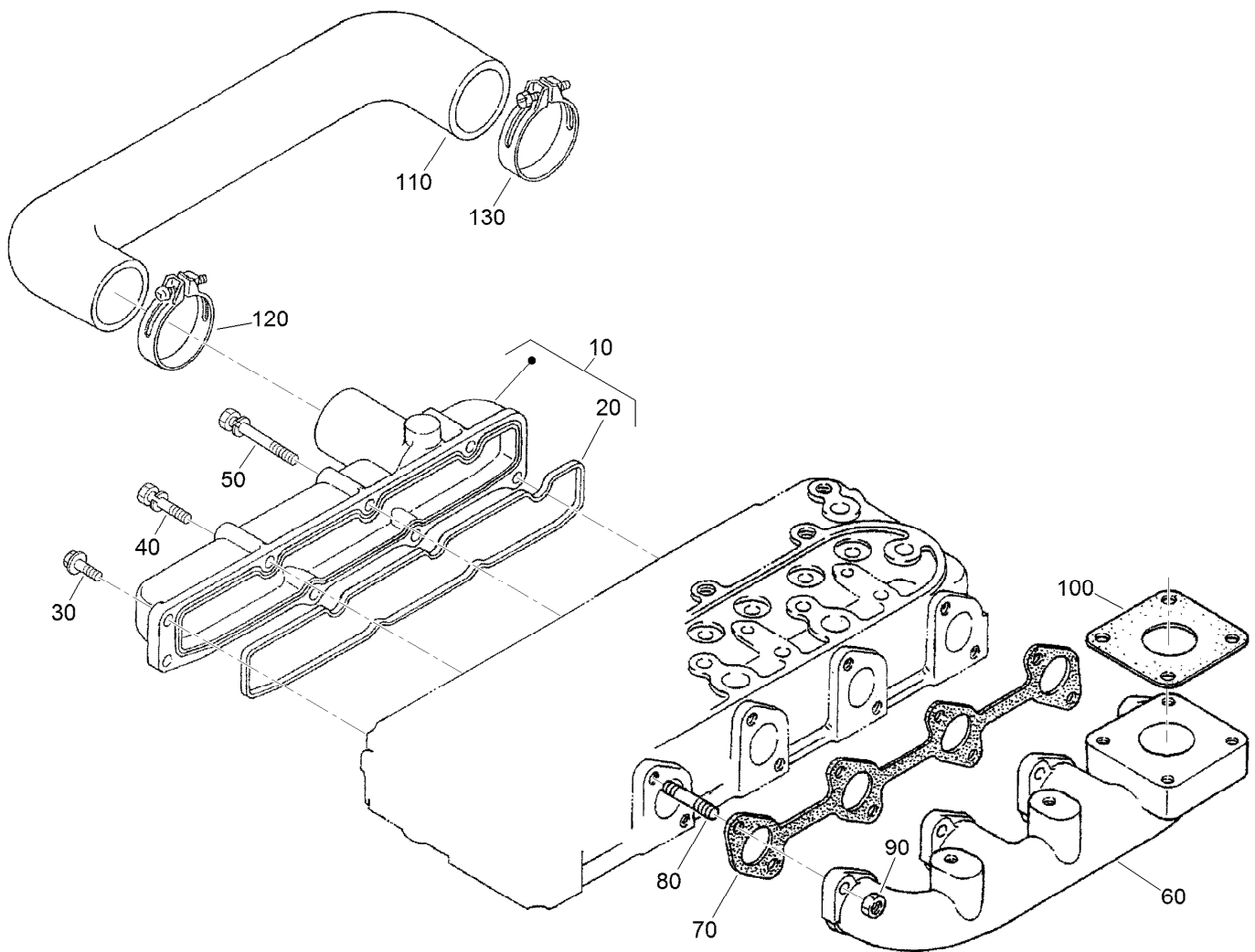
Ref.	Part Number	Qty.	Description
10	107-9089	1	Water Pump ASM
30	105-3750	1	Mechanical Seal ASM
40	112-7017	1	Impeller-Pump, Water
50	100-1932	1	Pipe-Return, Water
60	99-3454	1	Gasket-Pump, Water
70	98-9353	4	Bolt
80	107-9090	2	Bolt
90	99-3516	1	Flange-Pump, Water
100	98-9716	1	Pipe-Water
110	107-9091	1	Pipe-Water
120	98-9717	2	Clamp



Valve and Rocker Arm Assembly

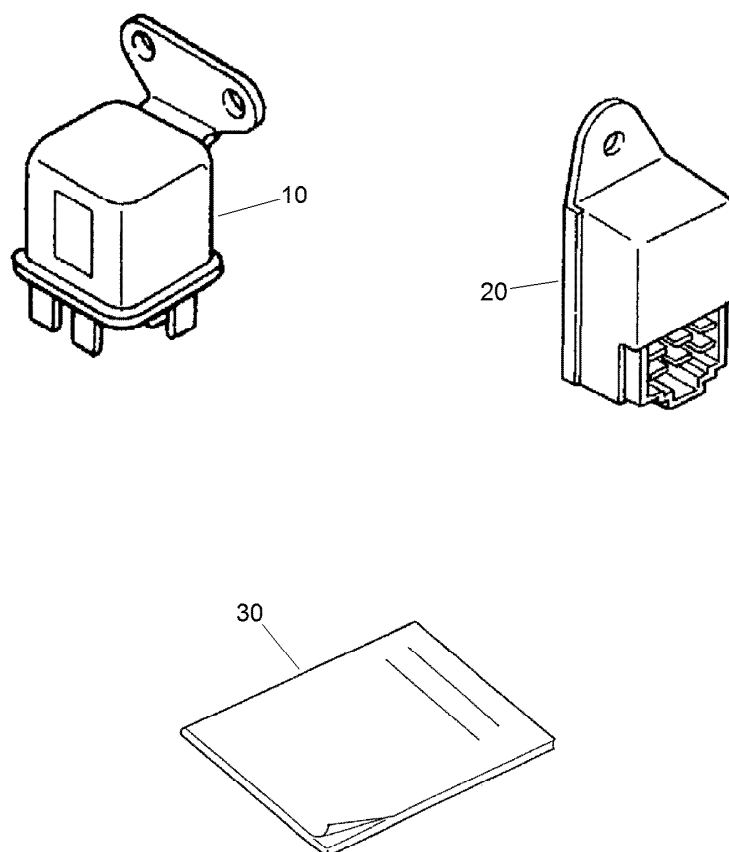
Ref.	Part Number	Qty.	Description
10	112-7018	4	Valve-Inlet
20	120-2564	4	Valve-Exhaust
30	98-9648	8	Spring-Valve
40	107-9092	8	Retainer-Spring
50	117-7572	8	Collet-Spring, Valve
60	99-8385	8	Seal-Stem, Valve
70	98-9497	8	Cap-Valve
80	127-0420	1	Shaft-Arm, Rocker
90	99-8363	2	Bolt-Flange
100	98-9505	4	Bracket-Arm, Rocker

Ref.	Part Number	Qty.	Description
110	98-9506	4	Stud
120	98-9393	4	Nut
130	98-9385	4	Washer-Flat
140	105-3758	1	Pin-Spring
150	98-9507	2	Washer-Shaft, Rocker Arm
160	110-3832	2	Washer-Plain
170	98-9504	3	Spring-Arm, Rocker
190	112-7020	8	Rocker Arm ASM
200	98-9502	8	Screw-Adjusting
210	98-9503	8	Nut



Intake and Exhaust Manifold Assembly

Ref.	Part Number	Qty.	Description
10	130-1257	1	Intake Manifold ASM
20	105-3760	1	Gasket-Manifold, Intake
30	127-0403	3	Bolt-Flange
40	98-9353	2	Bolt
50	125-9063	3	Bolt-Sems
60	130-1268	1	Manifold-Exhaust
70	105-3765	1	Gasket-Manifold, Exhaust
80	98-9588	8	Stud
90	98-9665	8	Nut
100	99-8343	2	Gasket-Muffler
110	130-1284	1	Pipe-Inlet
120	130-1196	2	Band-Pipe
130	130-1182	2	Band-Pipe



Miscellaneous Engine Parts

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	130-1244	1	Relay ASM
20	130-1211	1	Timer-Lamp, Glow
30	115-4104	1	Operator Manual

Attachments and Accessories

For 30651 Groundsmaster 3400-D 4-Wheel Drive Traction Unit

Product Name	Model/Part
Deluxe Replacement PVC Seat.....	02865
Deluxe Replacement Fabric Seat	02866
Cab Mauser KS-534 (Including Heater).....	02890
Air Conditioning Kit	02891
Air Conditioning Fit Kit (CT, LT & GM)	02892
Beacon Kit	02901
12 Volt Accessory Port Kit.....	02902
Blower Carrier Kit.....	02903
LSD Lock Kit	02904
ROPS Assist Kit.....	02905
Waste Bin Kit	02906
Toolbox Kit	02907
Kevlar Tyre Kit	02914
Road Lights Kit W/Brake Lights	02917
TÜV Kit - Speed Decal 20kph	02980
TÜV Kit - German Vehicle Serial Plate.....	02983
Warning Triangle	111-4250
TÜV Kit Instructions (English).....	111-5628
TÜV Kit Instructions (German).....	111-5906
Fuse-In Line.....	111-5935
Switch-lift, Lower [Optional, OFR]	111-7101
Base 62 Inch Mower	30645
Base 72 Inch Mower	30646

Notes:

Notes:



Count on it.