



Count on it.

Parts Catalog

Groundsmaster® 3400 4-Wheel Drive

Traction Unit

Model No. 30651—Serial No. 316000001 and Up



Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

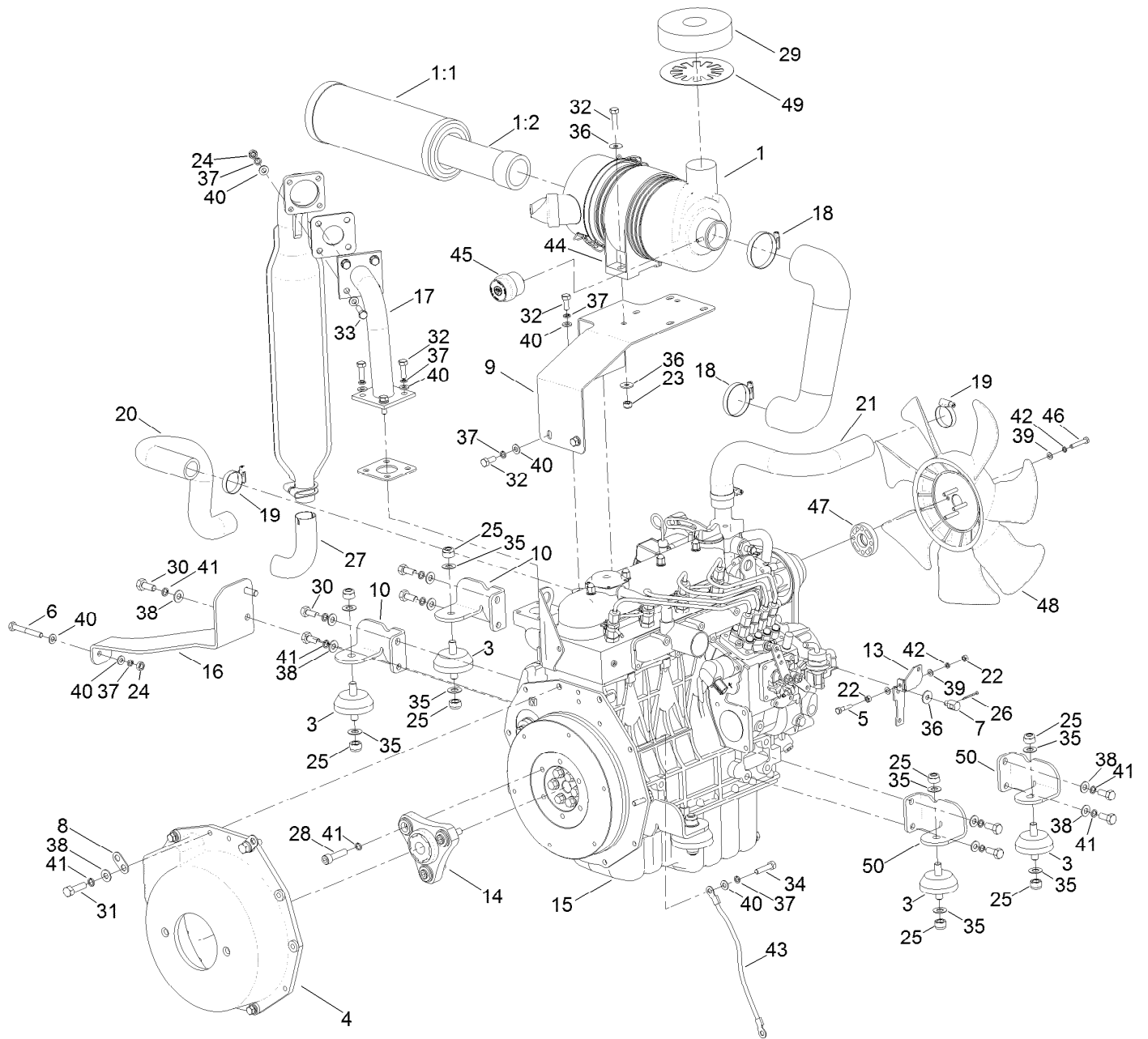
In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

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

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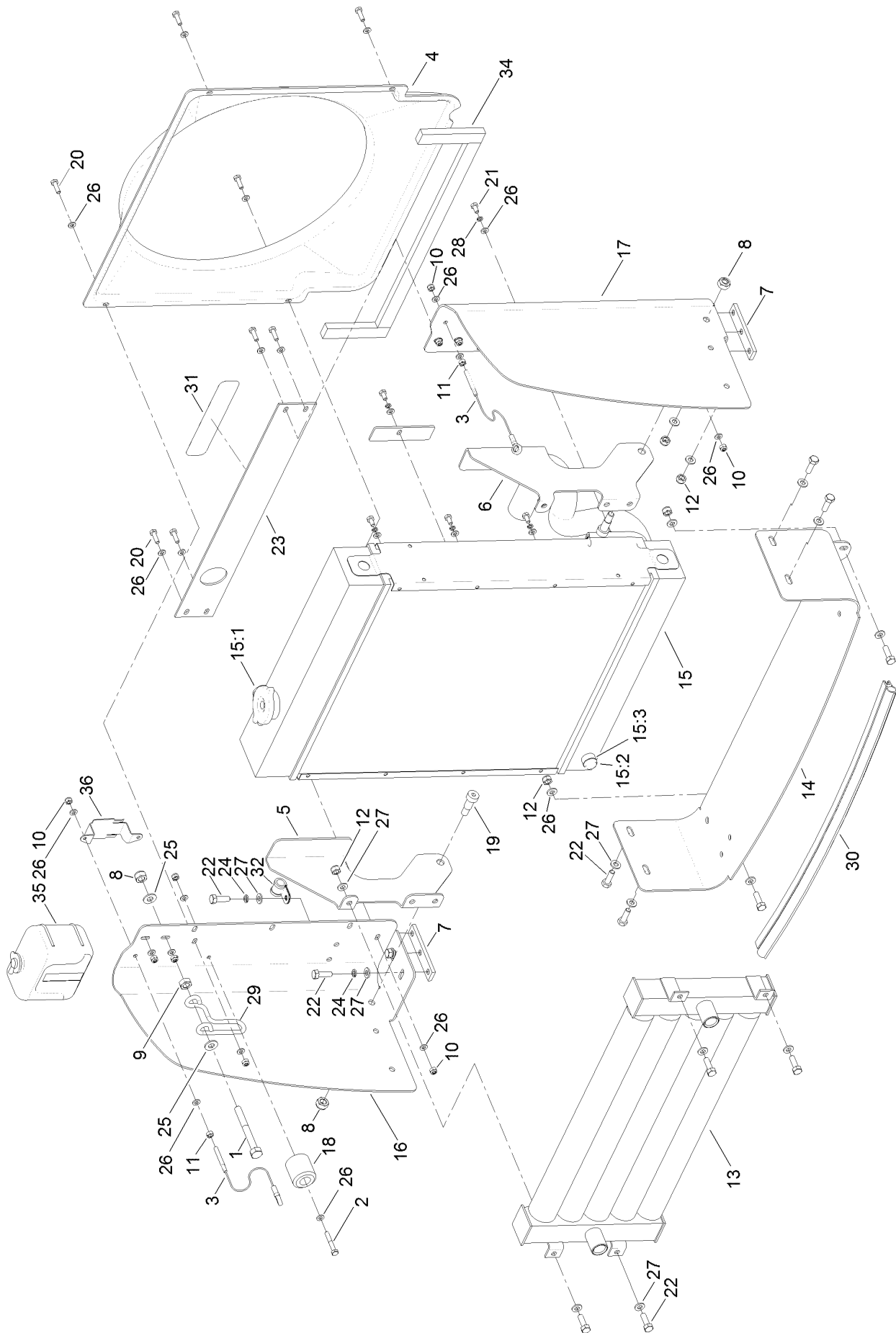
Engine and Mounting Assembly



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	27	940213	1	Tail Pipe-Exhaust
1:1	111-3808	1	Filter-Element, Main	28	111-3806	3	Screw-HSH
1:2	111-3809	1	Filter-Element, Safety	29	111-3555	1	Seal-Air Intake
3	910816	4	Isomount-Engine	30	50-11-005	10	Screw-HH
4	922851	1	Housing-Bell	31	111-0597	2	Screw-HH
5	09547	1	Screw-HH	32	03162	10	Screw-HH
6	09371	1	Bolt	33	09369	4	Screw-HH
7	111-3298	1	Pivot-Throttle, Boss	34	ZDH1H035U	8	Screw-HH
8	74-01-327	2	Bracket-Loom, Tie	35	09283	8	Washer
9	111-2588-03	1	Bracket-Air Cleaner	36	09267	5	Washer-Plain
10	111-3043-03	2	Bracket-Mount, Engine	37	03469	20	Washer-Spring
13	111-3299-03	1	Bracket-Throttle	38	ZWQ1J000U	12	Washer-Plain
14	111-2556	1	Coupling	39	ZWP1F000U	6	Washer-Plain
15	111-1290	1	Engine-Kubota	40	ZWP1H000U	26	Washer-Plain
16	111-3045-03	1	Stay-Exhaust	41	09480	15	Washer-Lock
17	111-4012	1	Flange-Exhaust	42	09474	5	Washer-Spring
18	65-07-042	2	Clip-Hose	43	70-09-023	1	Cable-Earth
19	924438	4	Clamp-Hose	44	111-3807	1	Bracket-Mounting, Air Filter
20	111-2567	1	Hose-Radiator, Bottom	45	953870	1	Indicator-Filter Blockage
21	910921	1	Hose-Top	46	09645	4	Setscrew-HH
22	09437	2	Nut	47	104-4247	1	Spacer-Fan
23	09441	2	Nut-Hex, NI	48	110-0966	1	Fan-Cooling
24	ZNH1H000U	5	Nut-Hex	49	111-6937-03	1	Washer-Pad, Intake Air
25	09231	8	Nut-Hex	50	111-7141-03	2	Bracket-Mount, Engine
26	70-11-005	1	Pin-Split				

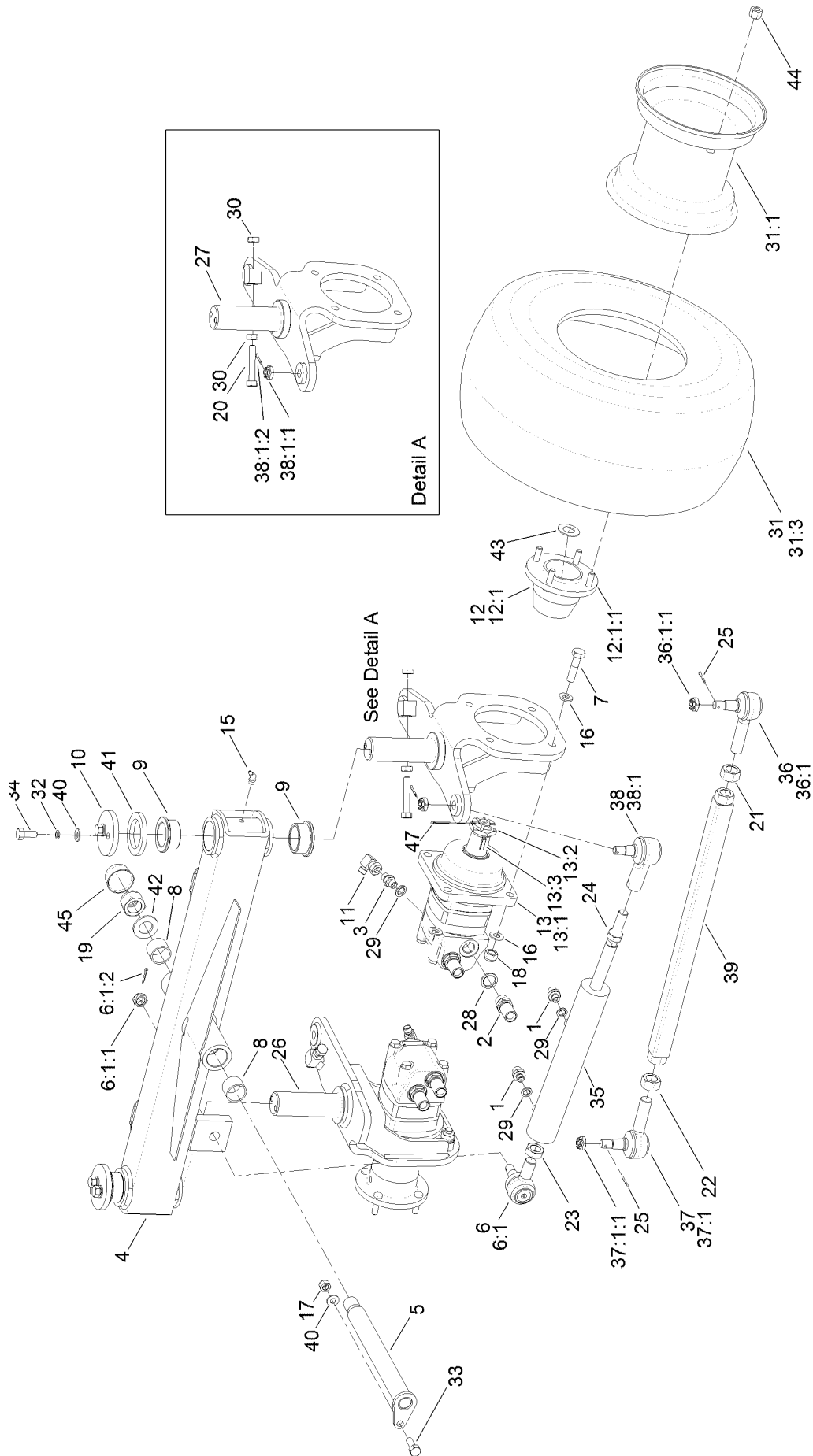
Radiator and Shroud Assembly



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	17	111-3007-03	1	Bracket-Radiator, RH
2	ZBH1F040U	2	Screw-HH	18	61-07-003	2	Buffer-Rubber
3	924825	2	Cable-Stay, Cover	19	ZIS1J020S	2	Bolt-Shoulder, Socket Head
4	111-3301	1	Cowl-Fan	20	09363	8	Screw-HH
5	111-3010-03	1	Hinge-Oil Cooler, LH	21	09361	6	Screw-HH
6	111-3011-03	1	Hinge-Oil Cooler, RH	22	03162	16	Screw-HH
7	111-3281	2	Bar-Nut	23	111-3008-03	1	Seal-Top
8	ZNN1J000U	3	Nut-Hex, NI	24	03469	6	Washer-Spring
9	09449	1	Nut	25	ZWQ1J000U	2	Washer-Plain
10	09438	12	Nut-Nyloc	26	09472	30	Washer-Plain
11	09437	2	Nut	27	ZWP1H000U	24	Washer-Plain
12	09441	10	Nut-Hex, NI	28	09474	6	Washer-Spring
13	70-06-171	1	Cooler-Oil	29	104-5429	1	Clamp-Form, Wire
14	111-3009-03	1	Plate-Seal, Lower	30	994808	3	Excluder-Draught
15	111-5193	1	Radiator ASM	31	111-3902	1	Decal-Engine, Fan/Radiator
15:1	111-0698	1	Cap-Radiator	32	111-6082	1	Clamp-Cable
15:2	30-06-200	1	Plug-HYD	34	111-7053	1	Seal-Bubble, Side
15:3	200134	1	Washer	35	111-7452	1	Tank-Reserve, Coolant
16	111-3006-03	1	Bracket-Radiator, LH	36	108-9930-03	1	Bracket-Bottle

Rear Axle Assembly



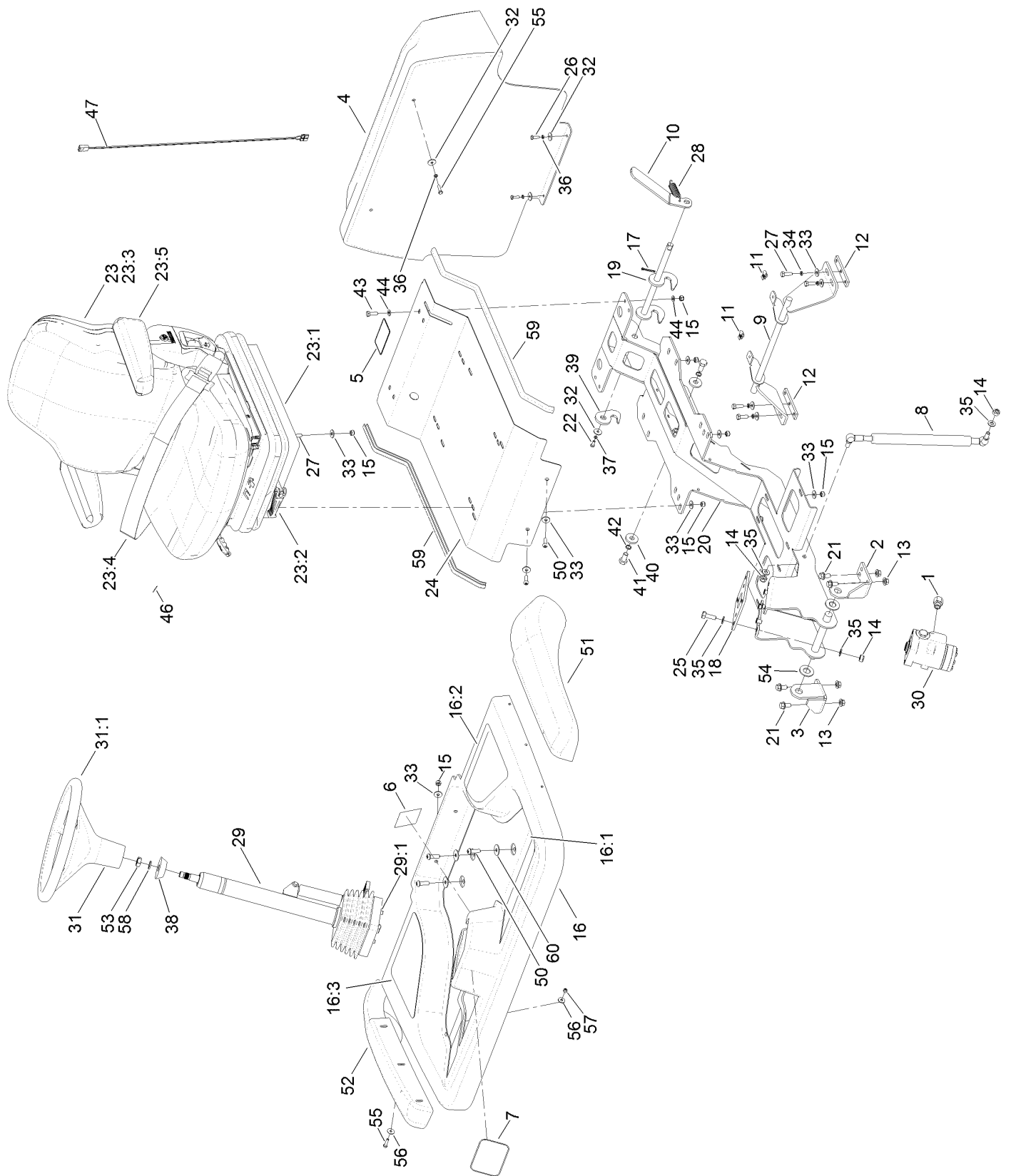
Rear Axle Assembly (continued)

<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	28	10-06-032	4	Seal-Dowty
2	09-06-216	4	Adaptor-Bulkhead	29	10-06-030	4	Seal-Dowty
3	10-06-085	2	Adaptor	30	09449	4	Nut
4	111-4995-03	1	Axle-Rear	31	111-6876	2	Wheel ASM
5	111-3265	1	Pin-Axle	31:1	111-6877	1	Rim-Wheel
6	111-6578-03	1	Joint-Ball	31:2	72-07-068	1	Tube-Inner ●
6:1		1	Ball Joint ■	31:3	924803	1	Tire
6:1:1	111-5116	1	Nut-Castle	32	09480	4	Washer-Lock
6:1:2	09306	1	Pin-Split	33	09392	1	Screw-HH
7	09552	8	Screw-HH	34	09395	4	Screw-HH
8	70-05-031	2	Bushing	35	924724	1	HYD Steering Cylinder ASM
9	111-3681	4	Bushing-Flanged, Oilite	35:1	111-4872	1	Seal Kit ●
10	70-01-197	2	Cap-Washer	36	71-4740-03	1	RH Tie Rod End ASM
11	31-06-004	2	Elbow-Compact	36:1		1	End-Rod, Tie (RH) ● ■
12	111-5176-03	2	Wheel Hub ASM	36:1:1	105-7941	1	Nut-Hex, Slotted
12:1		1	Hub-Wheel ■	36:1:2	105-7835	1	Seal ●
12:1:1	65-07-019	4	Stud-Wheel	36:1:3	302-5	1	Fitting-Grease ●
13	111-2260	2	HYD Motor ASM	37	2411-46-03	1	LH Tie Rod ASM
13:1	111-3421	1	Seal Kit	37:1		1	End-Rod, Tie (LH) ■
13:2	70-06-081	1	Castle-Nut	37:1:1	302-5	1	Fitting-Grease
13:3	70-06-089	1	Key	37:1:2	105-7835	1	Seal ●
15	63-07-027	3	Zerk-Grease, BSP (90 DEG)	37:1:3	105-7941	1	Nut-Hex, Slotted ●
16	HY09485	16	Washer-Plain	38	111-5087-03	1	Joint-Ball
17	ZNN1J000U	1	Nut-Hex, NI	38:1		1	Joint-Ball ■
18	09650	8	Nut-Hex, Nyloc	38:1:1	111-5116	1	Nut-Castle
19	ZNN1X000U	1	Nut-Hex, Nyloc	38:1:2	09306	1	Pin-Split
20	ZDH1J060U	2	Setscrew-HH	39	111-7924-03	1	Rod-Tie
21	84-5300	1	Nut-Jam	40	ZWQ1J000U	5	Washer-Plain
22	110-5337	1	Nut-Jam	41	70-07-149	2	Washer-Felt
23	09828	1	Nut	42	09555	1	Washer
24	09827	1	Nut - Jam	43	ZWP1T000U	2	Washer-Plain
25	70-11-005	2	Pin-Split	44	65-07-009	8	Nut-Wheel, Dome
26	111-4982-03	1	RH Rear Yoke ASM	45	10-11-100	1	Cap-Nut
27	111-4983-03	1	LH Rear Yoke ASM	47	70-11-004	2	Pin-Split

● Not illustrated

■ Not serviced separately

Steering Column, Seat and Platform Assembly

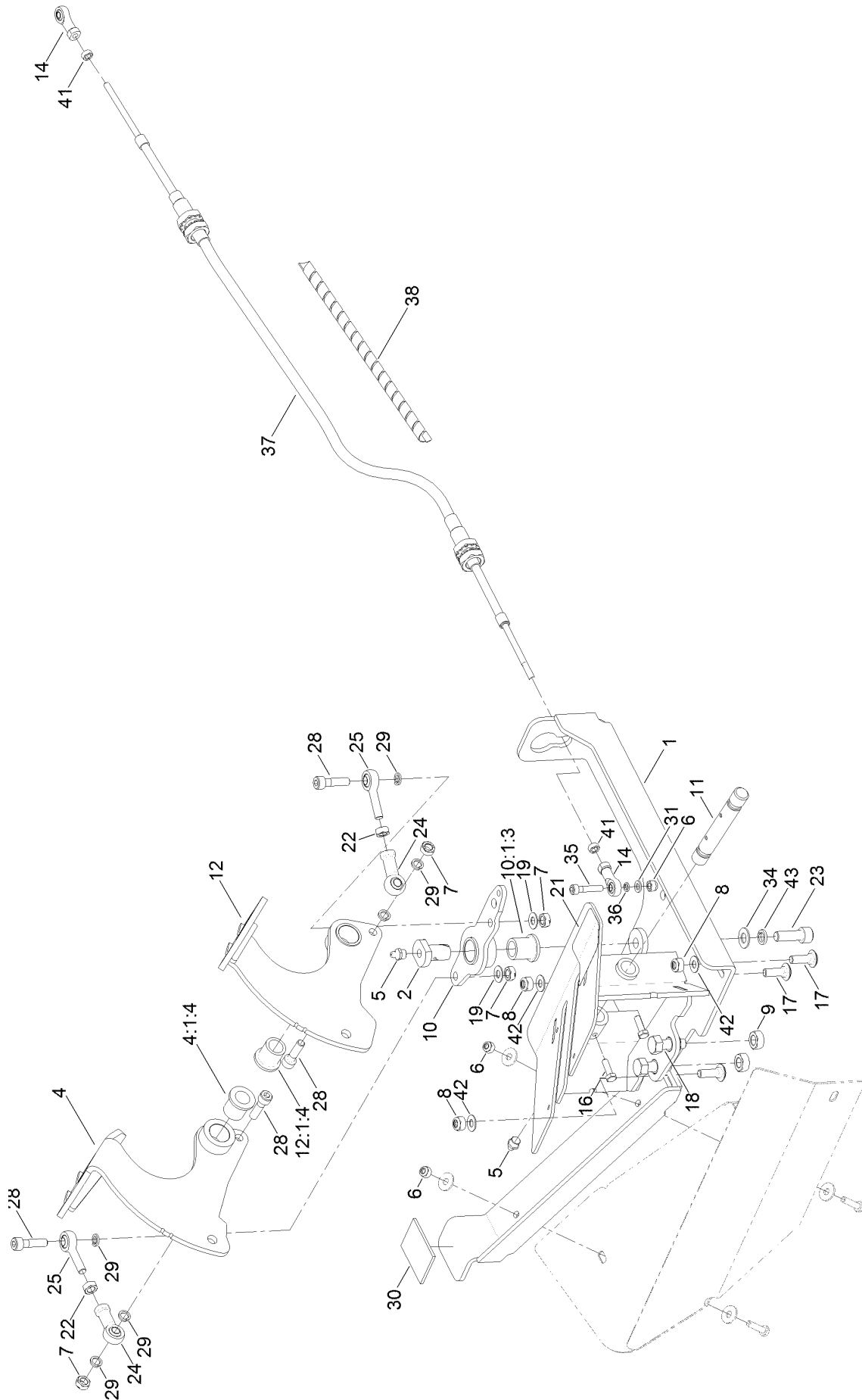


Steering Column, Seat and Platform Assembly (continued)

<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	111-6756	1	Steering Column ASM
5	111-3566	1	Decal-Latch, Platform	29:1	110-6462	1	Bellows-Rubber
6	111-3562	1	Decal	30	111-7464	1	Valve-Control, Steering
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-Plain
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-Hex	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	111-9744	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	111-9565-03	1	Support-Platform	47	111-6186	1	Cable-Seat, Beacon
21	63-11-018	4	Screw-Durloc	50	ZHS1H025U	8	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 - Jam
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	09262	12	Washer
23:5	111-3511	1	Arm Rest Kit	57	09438	6	Nut-Nyloc
23:6	111-3674	1	Switch-Seat ●	58	HY4200	1	Washer-Spring
24	111-3069-03	1	Pan-Seat	59	50-08-001	2	Edging-Rubber
25	09392	4	Screw-HH	60	09270	6	Washer-Plain
				99	994808	1	Excluder-Draught ●

● Not illustrated

Pedal Control Assembly



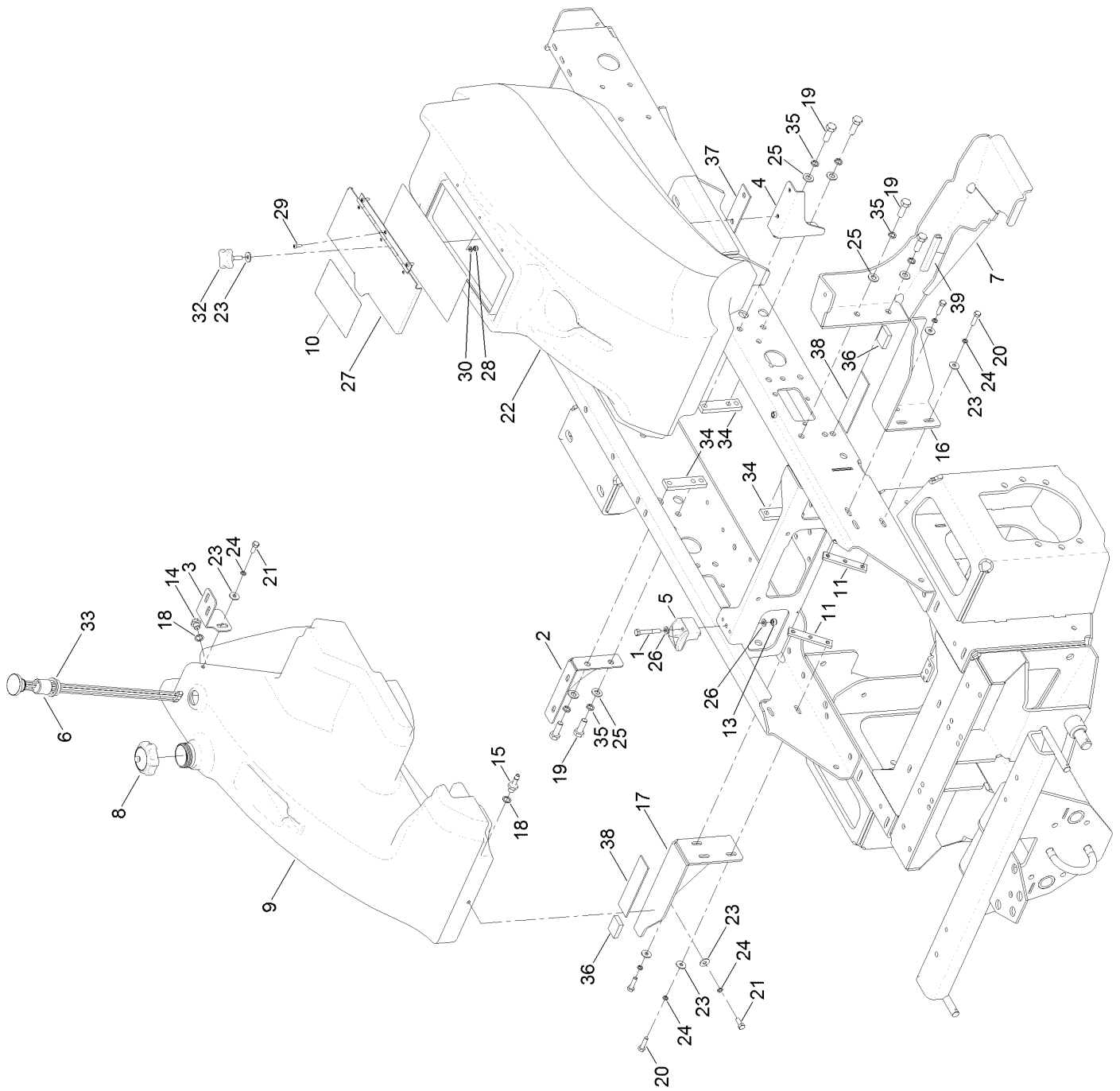
Pedal Control Assembly (continued)

<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	111-7175-03	1	Pedal-Mounting	18	09392	2	Screw-HH
2	111-7122	1	Boss-Pedal, Link	19	09475	2	Washer
4	111-7170-03	1	Forward Pedal ASM	21	111-3567	1	Decal-Pedal, Operation
4:1		1	Pedal-Traction, Forward ●■	22	ZNH1H000U	2	Nut-Hex
4:1:4	953868	1	Bushing-Flange, Oilite	23	ZCS1J030U	1	Screw-HSH
5	10-11-017	2	Fitting-Straight	24	111-2896	2	Rod-End, Female
6	09544	1	Nut-Nyloc	25	111-6147	2	Rod End
7	ZNB1H000U	4	Nut	28	ZCS1H030U	4	Screw-Cap
8	09441	3	Nut-Hex, NI	29	111-6948	6	Washer-Spring
9	09449	2	Nut	30	HY910808	1	Strip-Neoprene
10	111-7068-03	1	Pedal Link ASM	31	09472	1	Washer-Plain
10:1		1	Link-Pedal ●■	34	09479	1	Washer-Plain
10:1:3	953868	1	Bushing-Flange, Oilite	35	111-4586	1	Screw-HSH
11	111-1310	1	Pin-Control, Pedal	36	09474	1	Washer-Spring
12	111-7171-03	1	Reverse Pedal ASM	37	111-7140	1	Cable-Transmission
12:1		1	Pedal-Traction, Reverse ●■	38	111-6133	1	Guard-Spiral
12:1:4	953868	1	Bushing-Flange, Oilite	41	09437	2	Nut
14	111-4579	2	Rod End-Female/Female	42	09267	3	Washer-Plain
16	09363	2	Screw-HH	43	09480	1	Washer-Lock
17	09373	3	Bolt-Coach				

● Not illustrated

■ Not serviced separately

Fuel Tank and Storage Pod Assembly

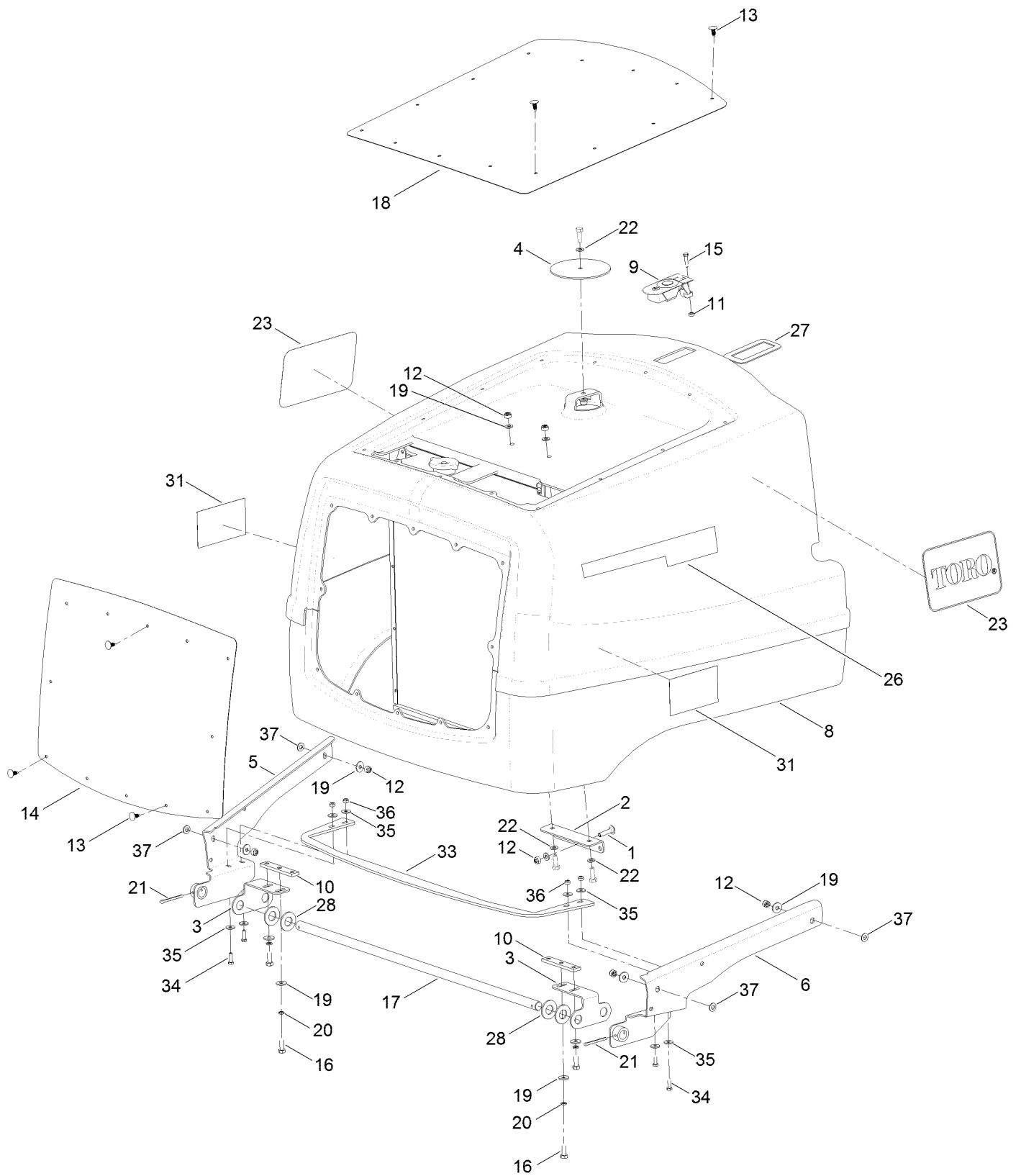


Fuel Tank and Storage Pod Assembly (continued)

<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-Plain
4	111-3424-03	1	Bracket-Pod, Storage	24	03469	6	Washer-Spring
5	107-4543	1	Clamp	25	HY09485	6	Washer-Plain
6	104-5603	1	Gauge-Level, Fuel	26	ZWP1H000U	2	Washer-Plain
7	111-7306-01	1	Step-Foot, Rev	27	111-7242-03	1	Cover-Storage
8	111-3531	1	Cap-Fuel	28	09430	3	Nut-Nyloc
9	111-3294	1	Tank-Fuel	29	111-3381	3	Screw-HSBH
10	111-8098	1	Decal-Warning, Inclines	30	09470	3	Washer
11	111-3281	2	Bar-Nut	32	111-3666	3	Handwheel
13	09441	1	Nut-Hex, NI	33	95-8972	1	Grommet
14	910352	1	Pipe-Return, Fuel	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-Fiber	38	HY910808	1	Strip-Neoprene
19	ZDH1L035U	6	Screw-HH	39	50-08-001	1	Edging-Rubber
20	09369	4	Screw-HH	99	70-07-067	1	Tape-Slip, Anti ●

● Not illustrated

Hood Assembly

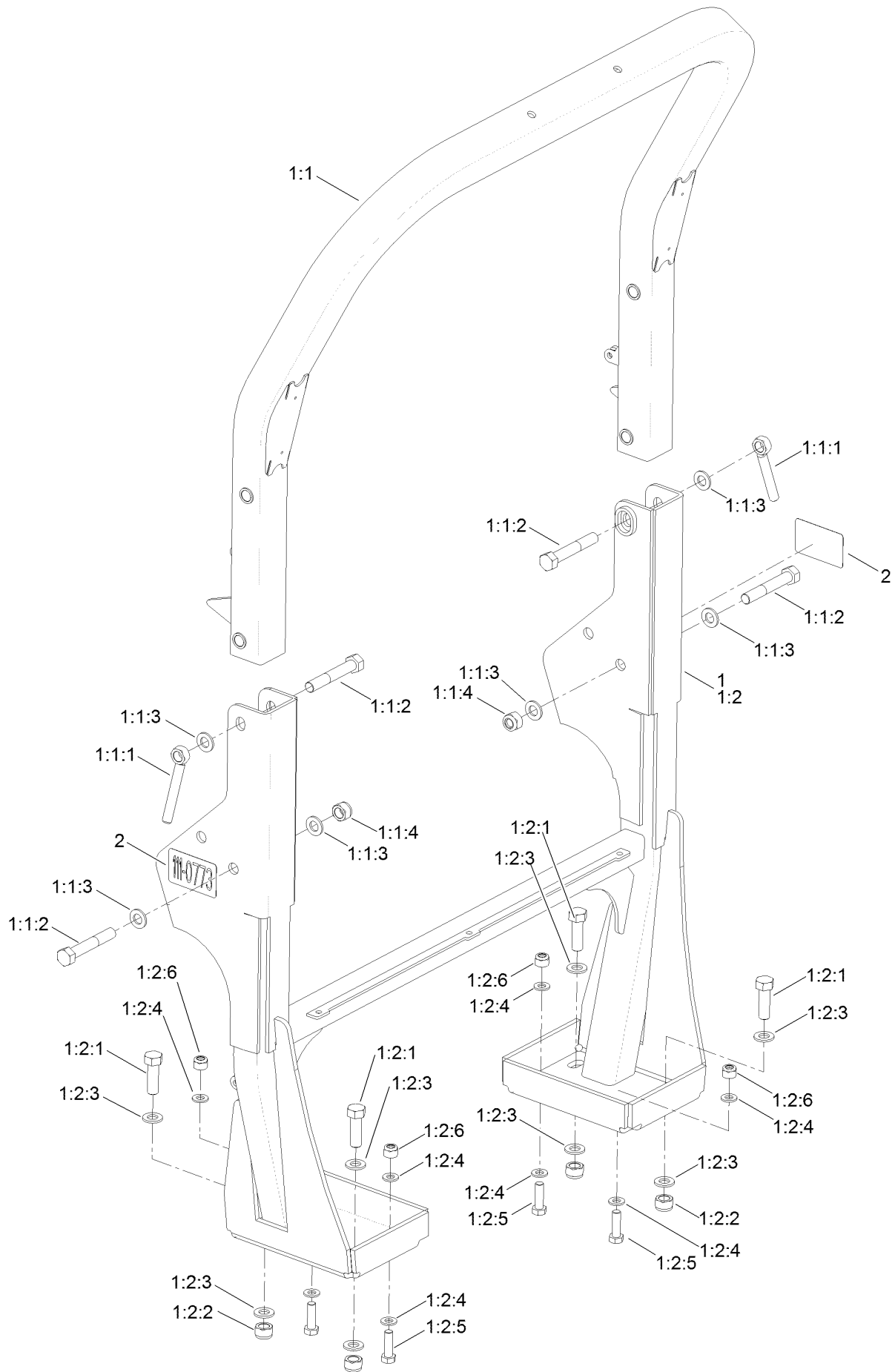


Hood Assembly (continued)

<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	09369	1	Screw-HH	18	111-6918-03	1	Screen-Top
2	111-2111-03	1	Bracket-Engine, Cover	19	09267	11	Washer-Plain
3	111-7483-03	2	Bracket, Hinge-Shaft	20	03469	4	Washer-Spring
4	111-3557-03	1	Cover-Air, Intake	21	74-11-003	2	Pin-Split
5	111-3490-03	1	Hinge-Cover, Engine (LH)	22	ZWP1H000U	4	Washer-Plain
6	111-3491-03	1	Hinge-Cover, Engine (RH)	23	111-3728	2	Decal
8	111-6920	1	Cover-Engine	26	111-4976	2	Decal
9	950831	1	Latch-Sealed, Lever	27	111-4158-03	1	Plate-Support, Latch
10	111-3281	2	Bar-Nut	28	09499	4	Washer
11	09437	1	Nut	31	94-8099	2	Decal
12	09441	8	Nut-Hex, NI	33	111-8236-03	1	Plate-Tie, Cover
13	117-2382	26	Plug-Plastic	34	09363	4	Screw-HH
14	111-6919-03	1	Screen-Rear	35	09262	8	Washer
15	09364	1	Screw-HH	36	09438	4	Nut-Nyloc
16	03162	4	Screw-HH	37	09475	4	Washer
17	111-7482	1	Shaft-Hinge, Cover	99	111-7488	5	Seal-Cover, Screen ●

● Not illustrated

Roll-Over Protection System Assembly

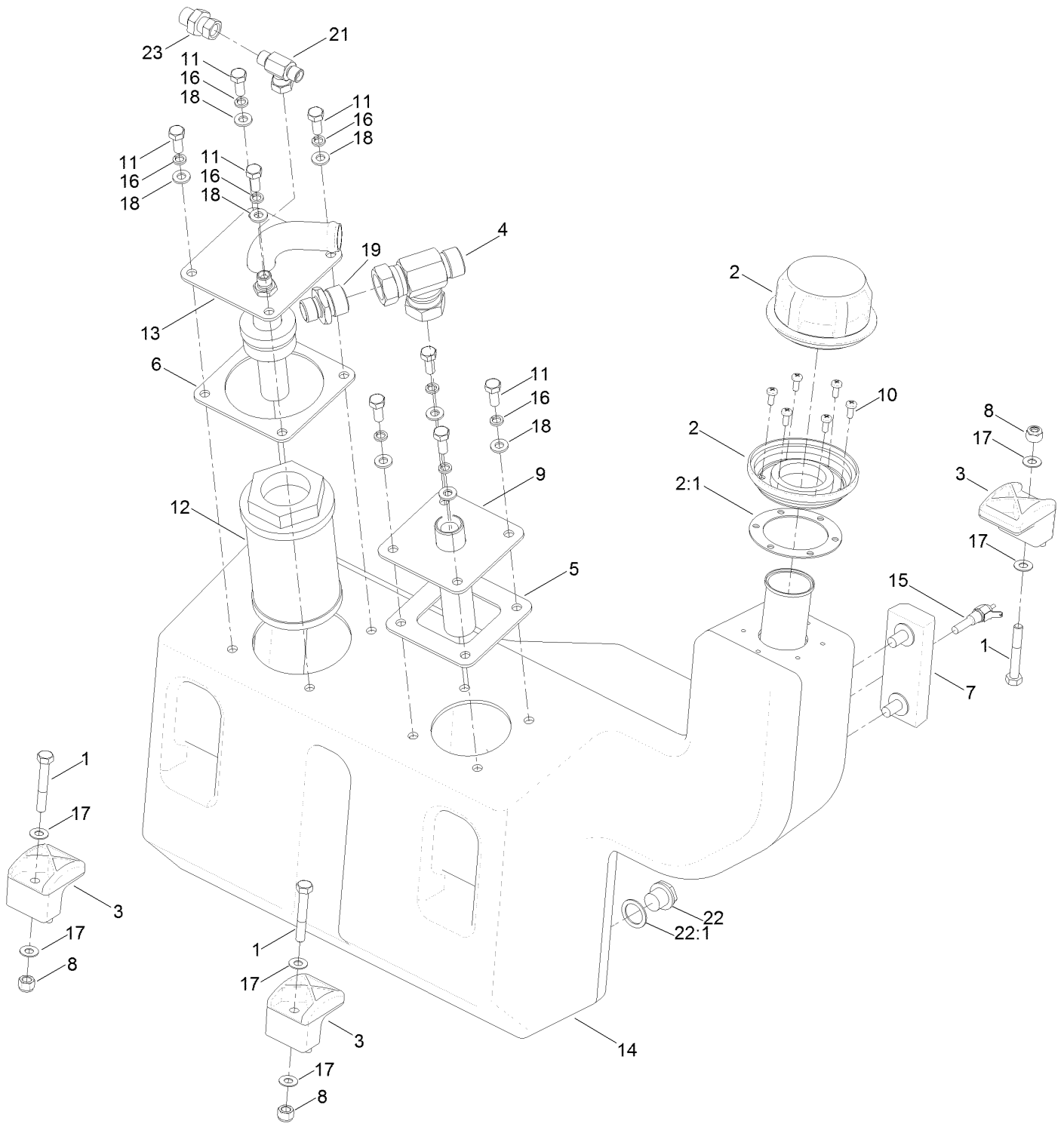


Roll-Over Protection System Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	111-7250	1	ROPS ASM
1:1	111-7236	1	Hoop-Upper, ROPS
1:1:1	956016	2	Nut-Hand
1:1:2	ZBH1P100U	4	Bolt
1:1:3	09491	6	Washer-Plain
1:1:4	09456	2	Nut
1:2	111-7238	1	ROPS-Lower

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:2:1	111-3484	4	Screw-HH
1:2:2	09456	4	Nut
1:2:3	09491	8	Washer-Plain
1:2:4	HY09485	8	Washer-Plain
1:2:5	ZDH1L040U	4	Screw-HH
1:2:6	ZNN1L000U	4	Nut-Nyloc
2	111-0773	2	Decal

Hydraulic Oil Tank Assembly

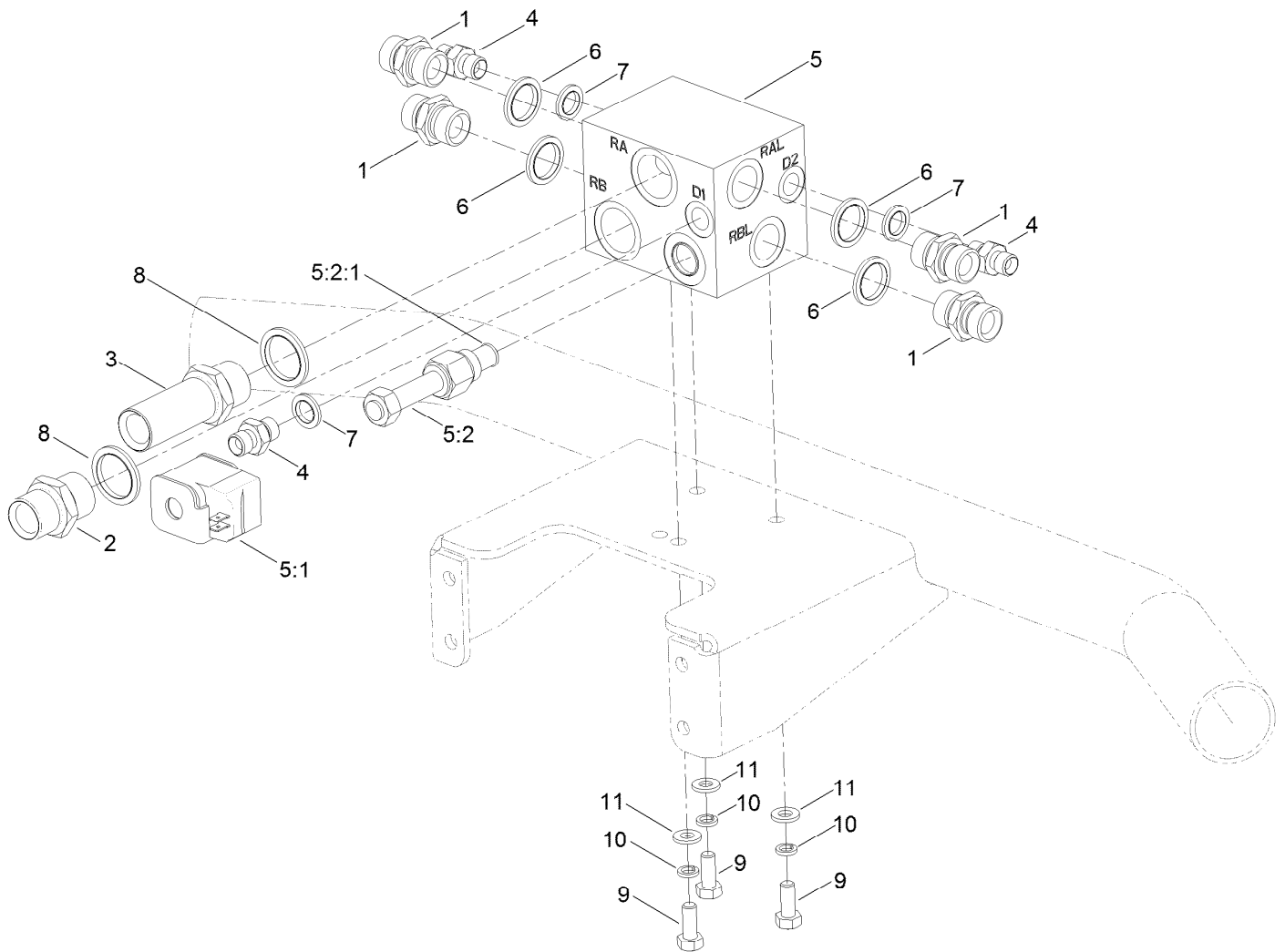


Hydraulic Oil Tank Assembly (continued)

<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	09565	3	Screw-HH	13	111-4900-03	1	Flange-Suction
2	HY910601	1	Cap-Breather, Filler	14	111-3034	1	Tank-Oil, HYD
2:1	910648	1	Cap-Gasket, Filler	15	940852	1	Switch-Temperature
3	107-4543	3	Clamp	16	03469	8	Washer-Spring
4	60-06-009	1	Adaptor-Tee	17	09475	6	Washer
5	111-3387	1	Gasket-Flange, Return	18	ZWP1H000U	8	Washer-Plain
6	111-3386	1	Gasket-Flange, Suction	19	09-06-201	1	Adaptor
7	65-06-018	1	Gauge-Level, Oil	21	60-06-011	1	Tee-BSP
8	09442	3	Nut	22	20-06-207	1	Plug-Magnetic
9	111-3230-03	1	Flange-Return	22:1	111-7925	1	Washer-Fiber
10	09634	6	Screw-PPH, HD	23	65-06-331	1	Adaptor
11	09368	8	Screw-HH	99	10-11-034	1	Clamp-Hose, Hi-Torque ●
12	10-06-025	1	Filter-Suction				

● Not illustrated

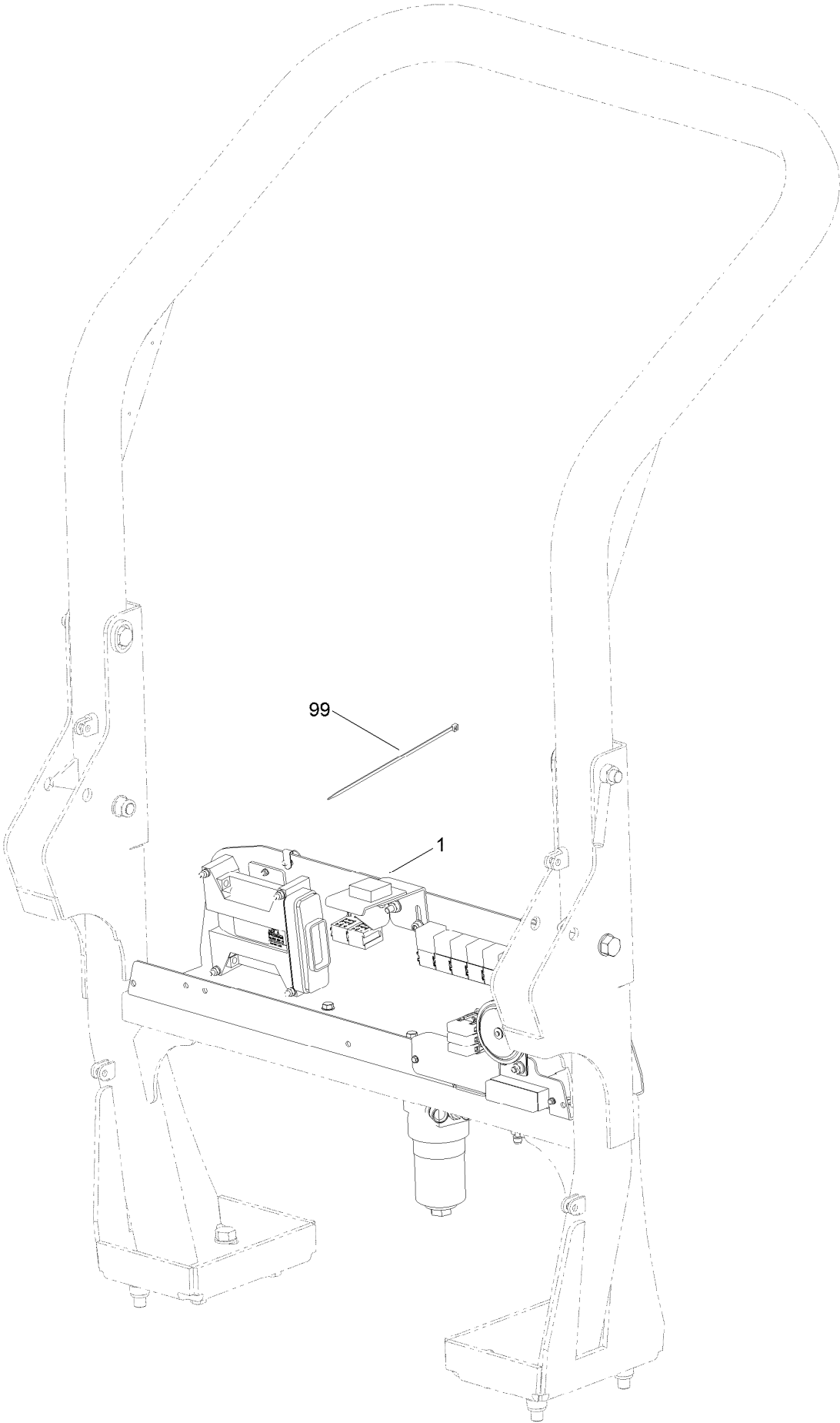
Rear Transmission Block Assembly



Rear Transmission Block 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	10-06-078	4	Adaptor-BSPP	5:2:1	910642	1	Seal Kit
2	10-06-044	1	Adaptor-BSP	6	10-06-032	4	Seal-Dowty
3	111-7494	1	Adaptor-BSP	7	10-06-030	3	Seal-Dowty
4	10-06-085	3	Adaptor	8	10-06-033	2	Seal-Dowty
5	924687	1	Manifold-Transmission, Rear	9	09368	3	Screw-HH
5:1	910627	1	Coil-Solenoid	10	03469	3	Washer-Spring
5:2	924688	1	Valve-Solenoid	11	ZWP1H000U	3	Washer-Plain

Loom Kit

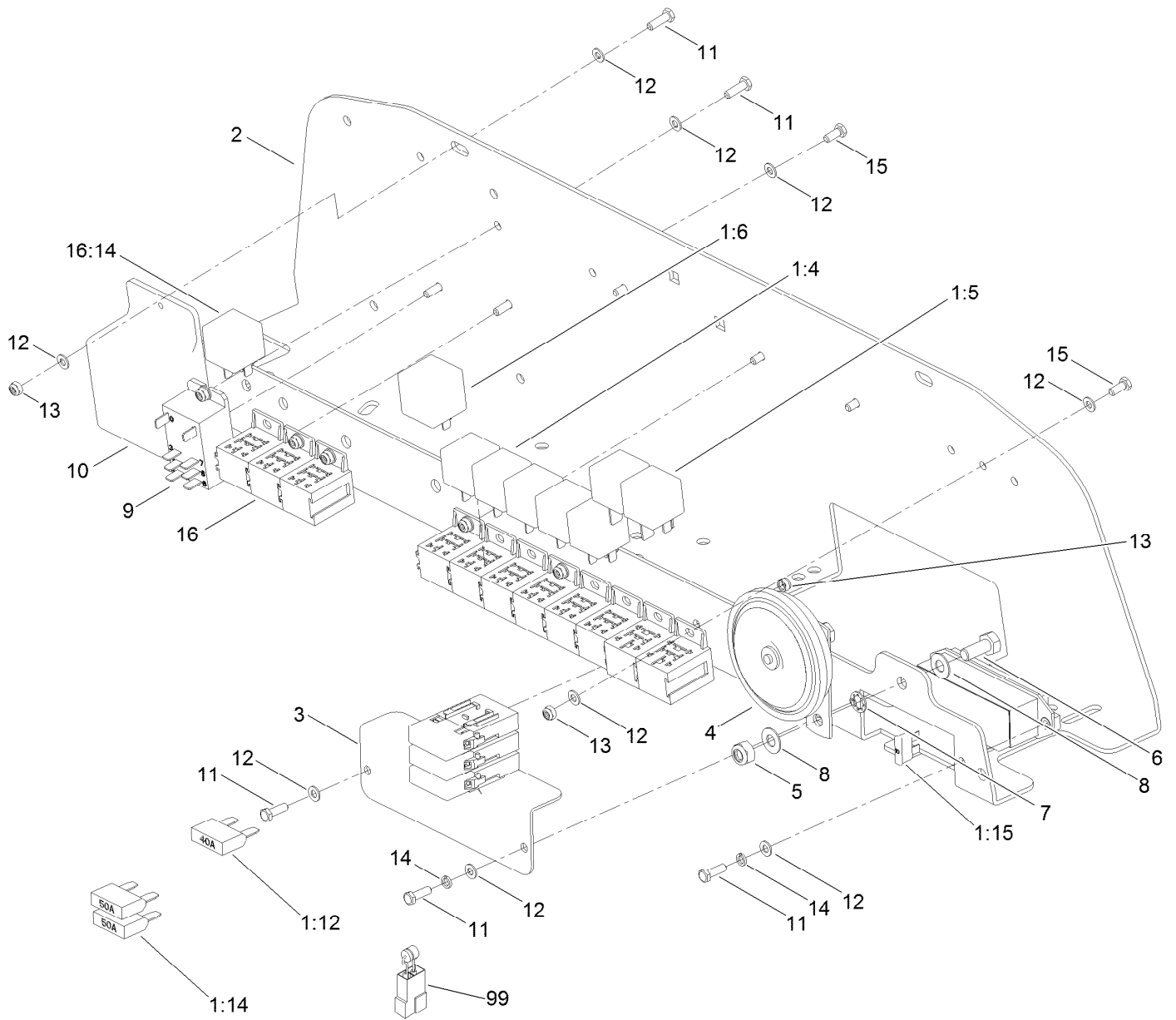


Loom Kit (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Loom Kit ●
99	HY3966	30	Tie-Cable

● Not serviced separately

Electrical Assembly

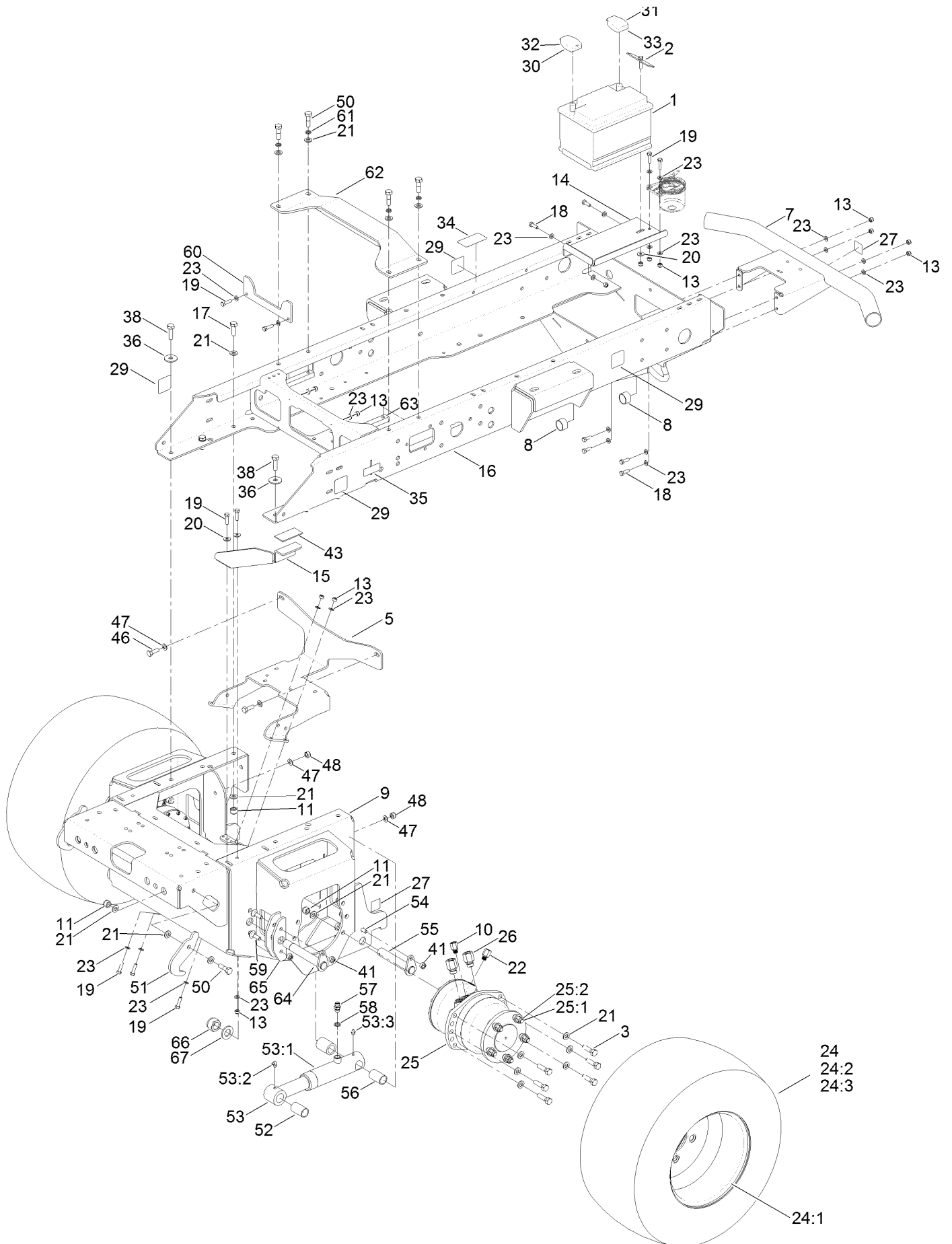


Electrical Assembly (continued)

<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	111-6191	1	Harness-Wiring ●	7	09476	1	Washer-Shakeproof
1:4	111-0336	5	Relay-30A	8	09475	2	Washer
1:5	924625	2	Relay-70A	9	995713	1	Relay-Neutral, Start
1:6	924722	1	Module Delay, Seat	10	70-01-512	1	Timer ASM
1:12	111-2898	1	Fuse-40A	11	ZDH1E016U	7	Screw-HH
1:14	995714	2	Fuse-50A	12	09470	22	Washer
1:15	70-09-026	4	Fuse-10A	13	09430	10	Nut-Nyloc
2	134-0435-03	1	Plate-Base, Electrical	14	09644	2	Washer-Spring
3	111-4842-03	1	Bracket-Fuse	15	ZDH1E012U	5	Screw-HH
4	70-09-108	1	Horn ASM	16	111-7412	1	Deck Cutout Relay ASM
5	09441	1	Nut-Hex, NI	16:14	111-0336	1	Relay-30A
6	09368	1	Screw-HH	99	950868	5	Diode Assembly

● Not illustrated

Main Frame, Chassis, Front Wheel and Battery Assembly

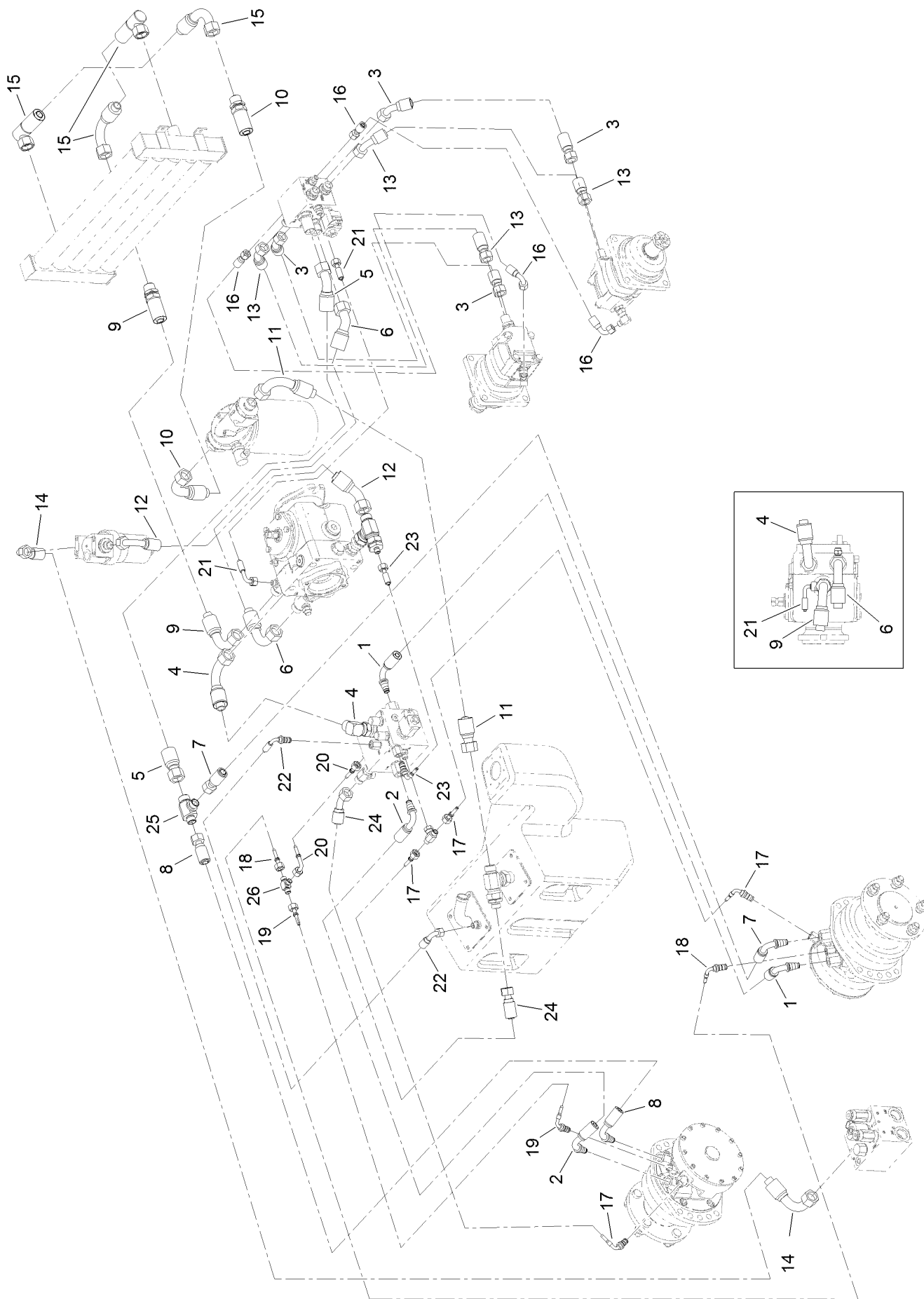


Main Frame, Chassis, Front Wheel and Battery Assembly (continued)

<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	32	111-3690	1	Cable-Battery, Positive
2	70-01-340	1	Retainer-Battery	33	70-09-170	1	Cable-Battery, Negative
3	ZBH1L045U	12	Screw-HH	34	950889	1	Decal-Warning
5	111-6791-03	1	Bracket-Manifold, Cutter	35	111-3901	1	Decal-Transmission, Oil
7	111-3110-03	1	Bumper-Rear	36	111-9529	2	Plate-Securing
8	65-07-051	2	Bushing	38	ZDH1L040U	2	Screw-HH
9	111-4668-03	1	Chassis-Front	41	ZNN1J000U	8	Nut-Hex, NI
10	111-3509	2	Adaptor	43	HY910808	1	Strip-Neoprene
11	ZNN1L000U	20	Nut-Nyloc	46	09392	2	Screw-HH
13	09441	17	Nut-Hex, NI	47	09479	4	Washer-Plain
14	111-2599-03	1	Plate-Mount, Battery	48	ZNN1J000U	2	Nut-Hex, NI
15	111-3217-03	1	Support-Platform, Front (LH)	50	63-11-010	6	Bolt-HH
16	111-2100-03	1	Chassis-Rear	51	111-4888-01	2	Plate-Latch, Front
17	ZDH1L035U	4	Screw-HH	52	25-07-007	4	Bushing-Tension
18	03162	6	Screw-HH	53	111-4786	2	HYD Cylinder ASM
19	09369	10	Screw-HH	53:1	50-06-013	1	Seal Kit ●
20	09267	3	Washer-Plain	53:2	63-07-027	1	Zerk-Grease, BSP (90 DEG)
21	HY09485	44	Washer-Plain	53:3	10-11-017	1	Fitting-Straight
22	111-3538	2	Adaptor	54	15-11-003	2	Bolt-CARR
23	ZWP1H000U	30	Washer-Plain	55	994560	2	Pin
24	111-6878	2	Wheel ASM	56	111-5300	2	Spacer-Ram
24:1	111-6879	1	Rim-Wheel	57	10-06-085	2	Adaptor
24:2	74-07-012	1	Tube-Inner ●	58	10-06-030	2	Seal-Dowty
24:3	74-07-027	1	Tire	59	09738	6	Bolt-Carriage
25	111-6761	2	HYD Motor ASM	60	111-5538-03	1	Location-Plate
25:1	111-7059	5	Stud-Wheel	61	09599	4	Washer-Lock
25:2	74-07-016	5	Nut	62	111-7065-03	1	Brace
26	111-3529	4	Adaptor	63	111-7094	2	Brace-Chassis
27	70-13-072	3	Decal	64	111-8008	2	Pin-Arm, ASM
29	950832	4	Decal	65	111-8007-03	2	Plate-Wear
30	70-09-171	1	Terminal-Positive	66	ZNN1X000U	2	Nut-Hex, Nyloc
31	70-09-172	1	Terminal-Negative	67	09555	2	Washer

● Not illustrated

Transmission Hydraulic Circuit Assembly

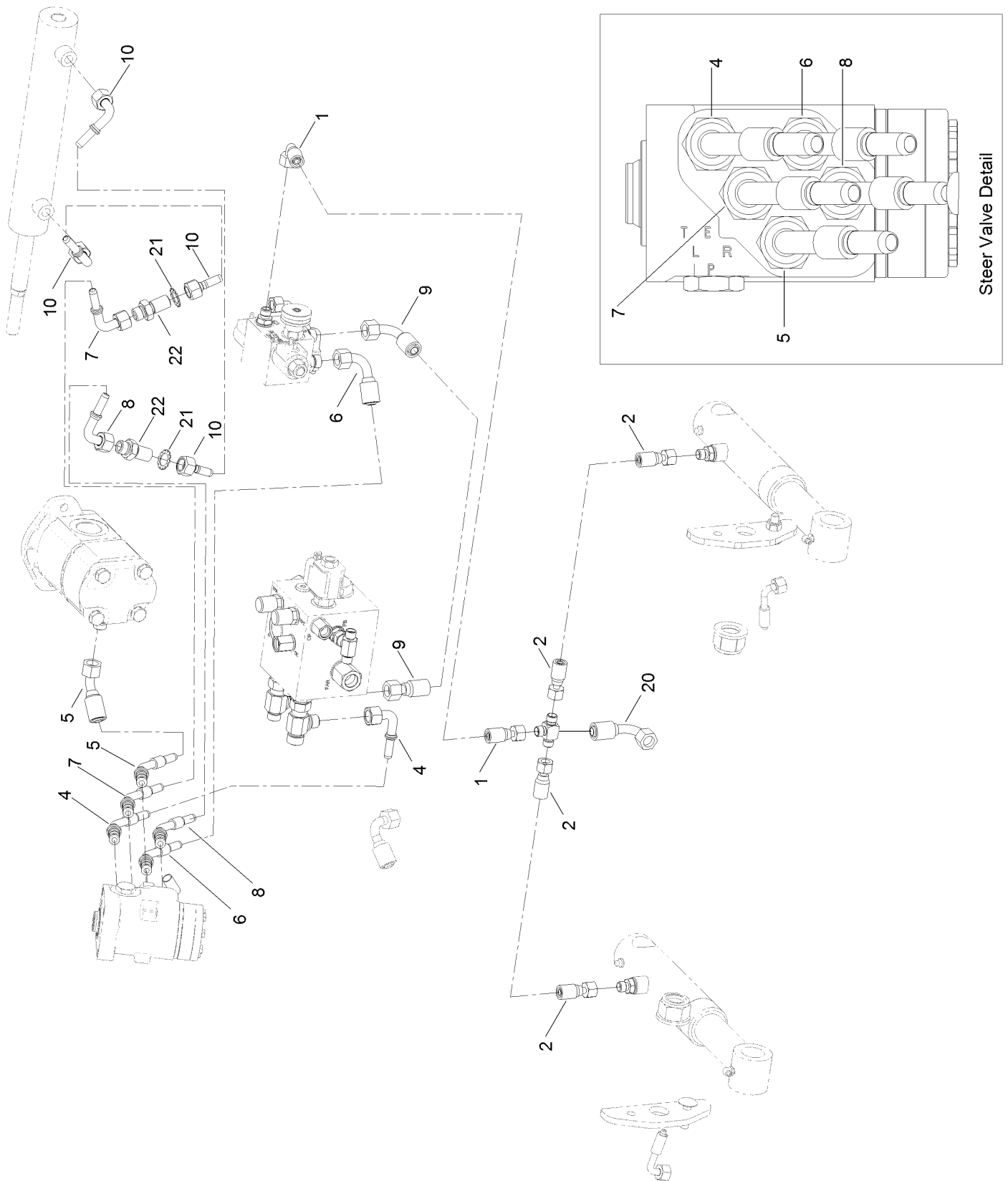


Transmission Hydraulic Circuit Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	111-4473	1	Hose
2	111-5521	1	Hose
3	111-3576	2	Hose
4	111-5525	1	Hose
5	111-3578	1	Hose
6	111-4479	1	Hose
7	111-5524	1	Hose
8	111-4477	1	Hose
9	111-4478	1	Hose
10	111-3587	1	Hose
11	111-3588	1	Hose
12	111-4959	1	Hose
13	111-3595	2	Hose

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
14	111-4960	1	Hose
15	111-3599	2	Hose
16	111-3604	2	Hose
17	111-5523	2	Hose
18	111-3606	1	Hose
19	111-3607	1	Hose
20	111-4480	1	Hose
21	111-4481	1	Hose
22	111-3619	1	Hose
23	111-5962	1	Hose
24	111-4969	1	Hose
25	111-3642	1	Tee-BSP
26	30-06-201	1	Tee

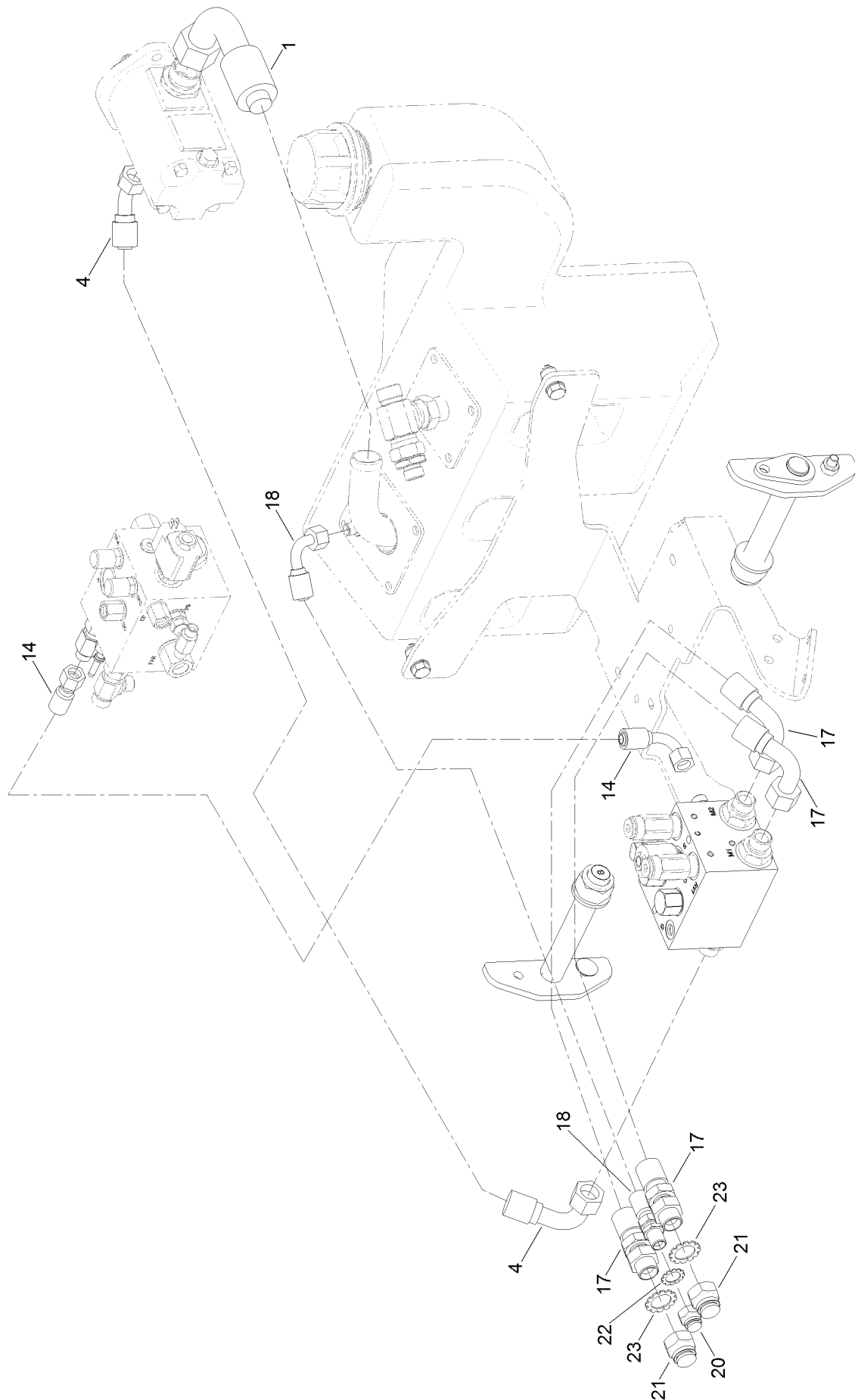
Hose Assembly No. 2



Hose Assembly No. 2 (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	111-4961	1	Hose	8	111-3617	1	Hose
2	111-4962	2	Hose	9	111-4964	1	Hose
4	111-3613	1	Hose	10	111-7537	1	Hose
5	111-3614	1	Hose	20	30-06-201	1	Tee
6	111-4963	1	Hose	21	111-5622	2	Washer-Lock, Serrated
7	111-3616	1	Hose	22	30-06-208	2	Adaptor

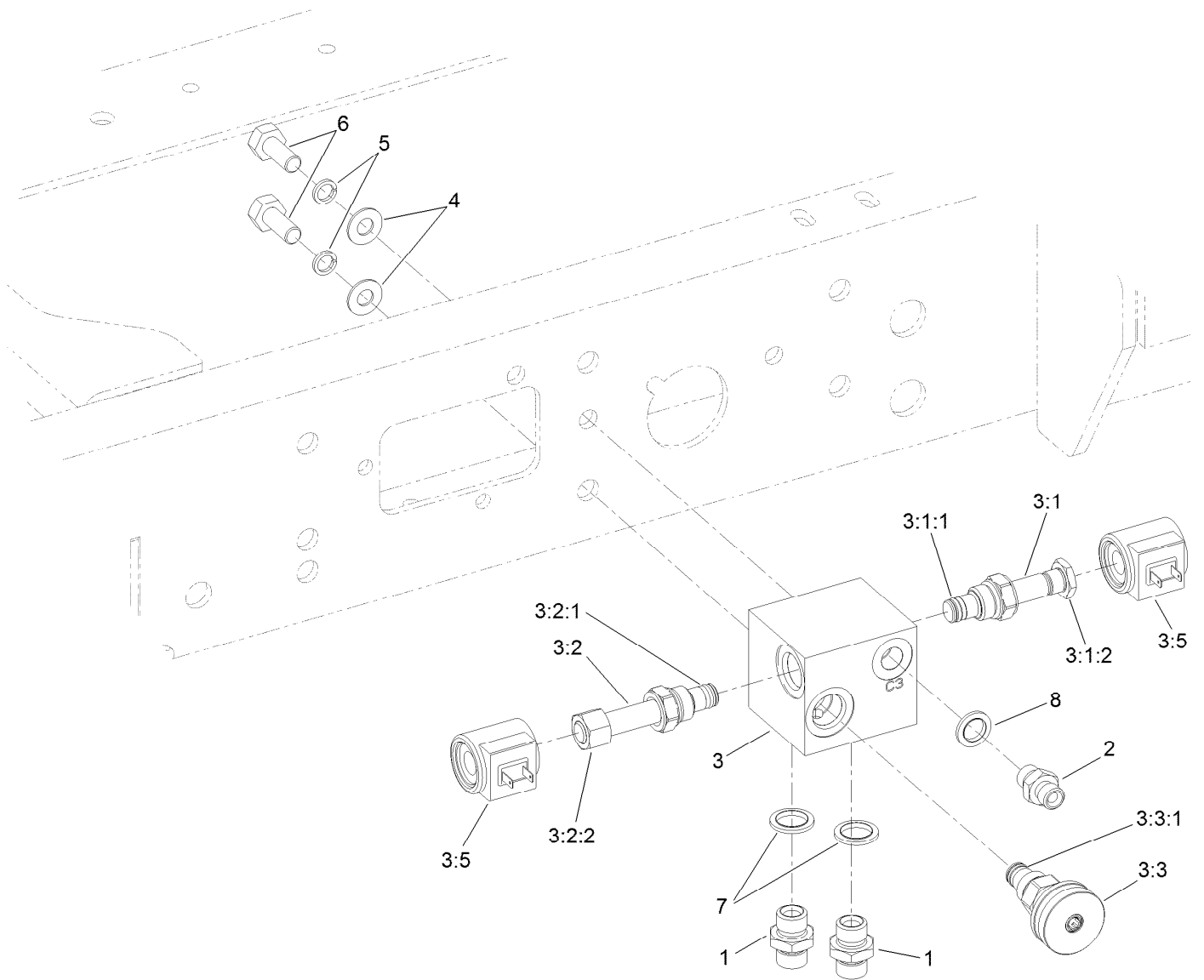
Hose Assembly No. 3



Hose Assembly No. 3 (continued)

<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

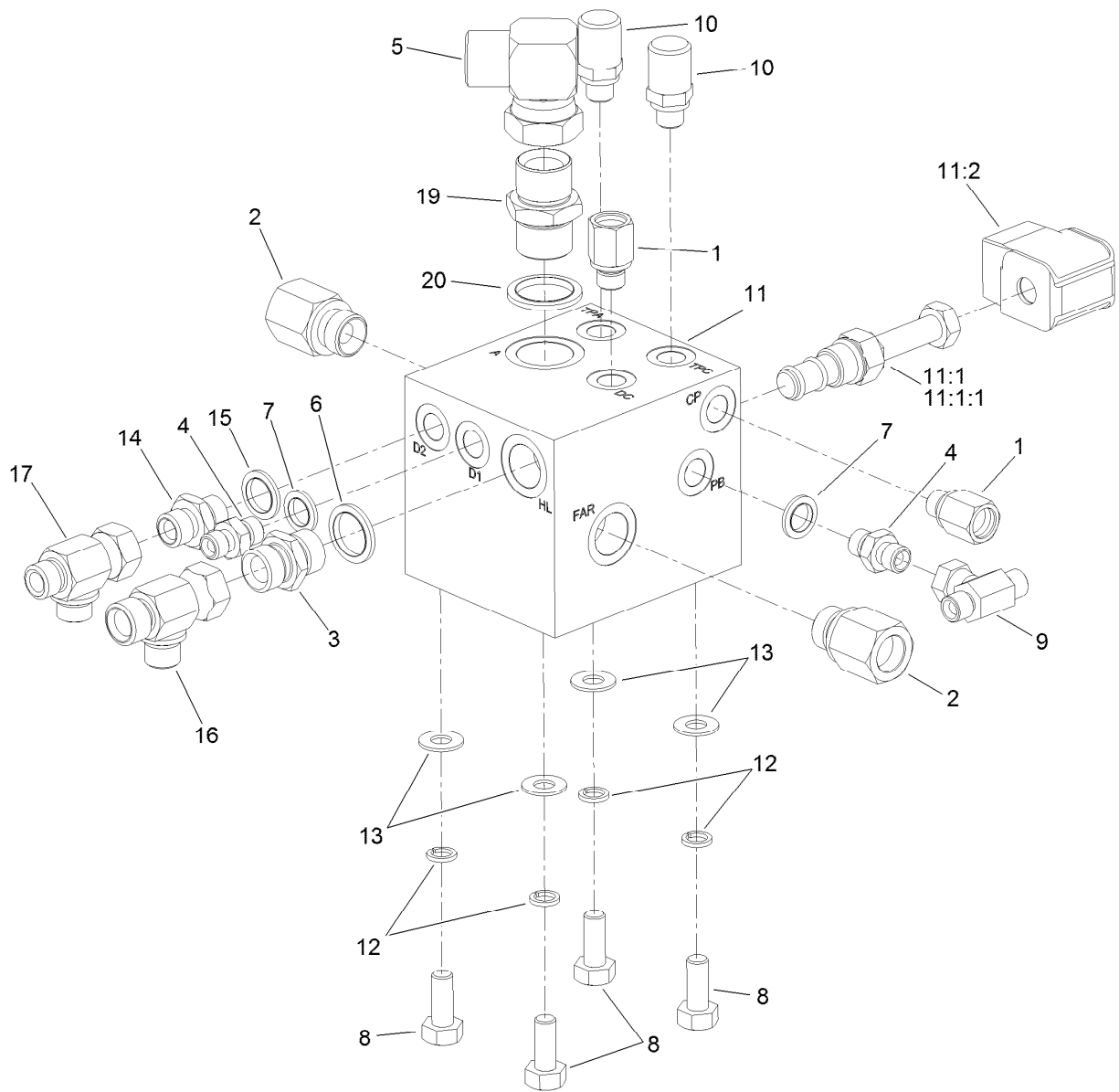
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
20	111-4972	1	Cap-BSP
21	111-5382	2	Cap-BSP
22	111-5622	1	Washer-Lock, Serrated
23	953733	2	Washer



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

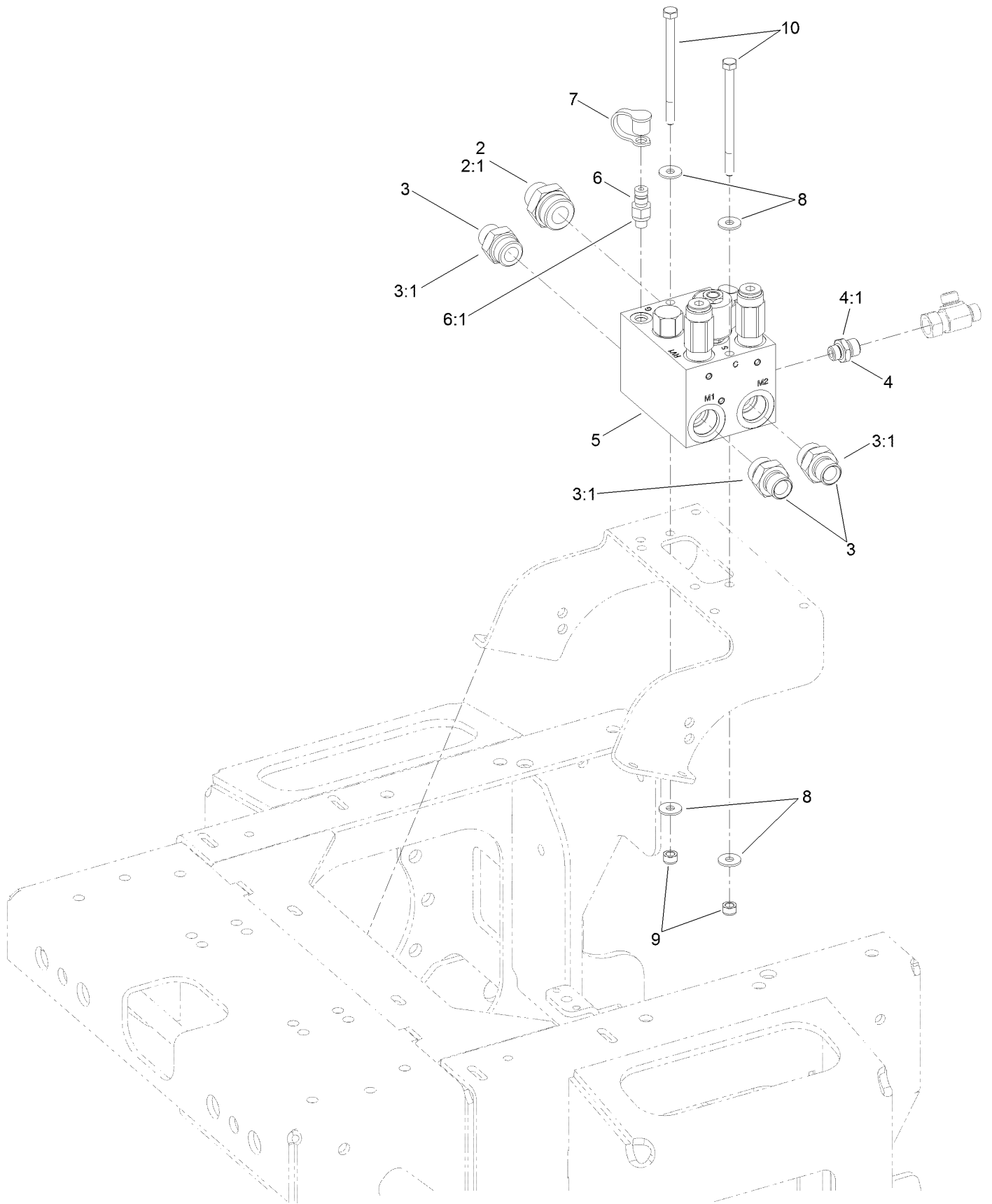


Transmission Manifold Assembly

Ref.	Part Number	Qty.	Description
1	111-3538	2	Adaptor
2	111-3529	2	Adaptor
3	10-06-078	1	Adaptor-BSP
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-BSP
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-BSP
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

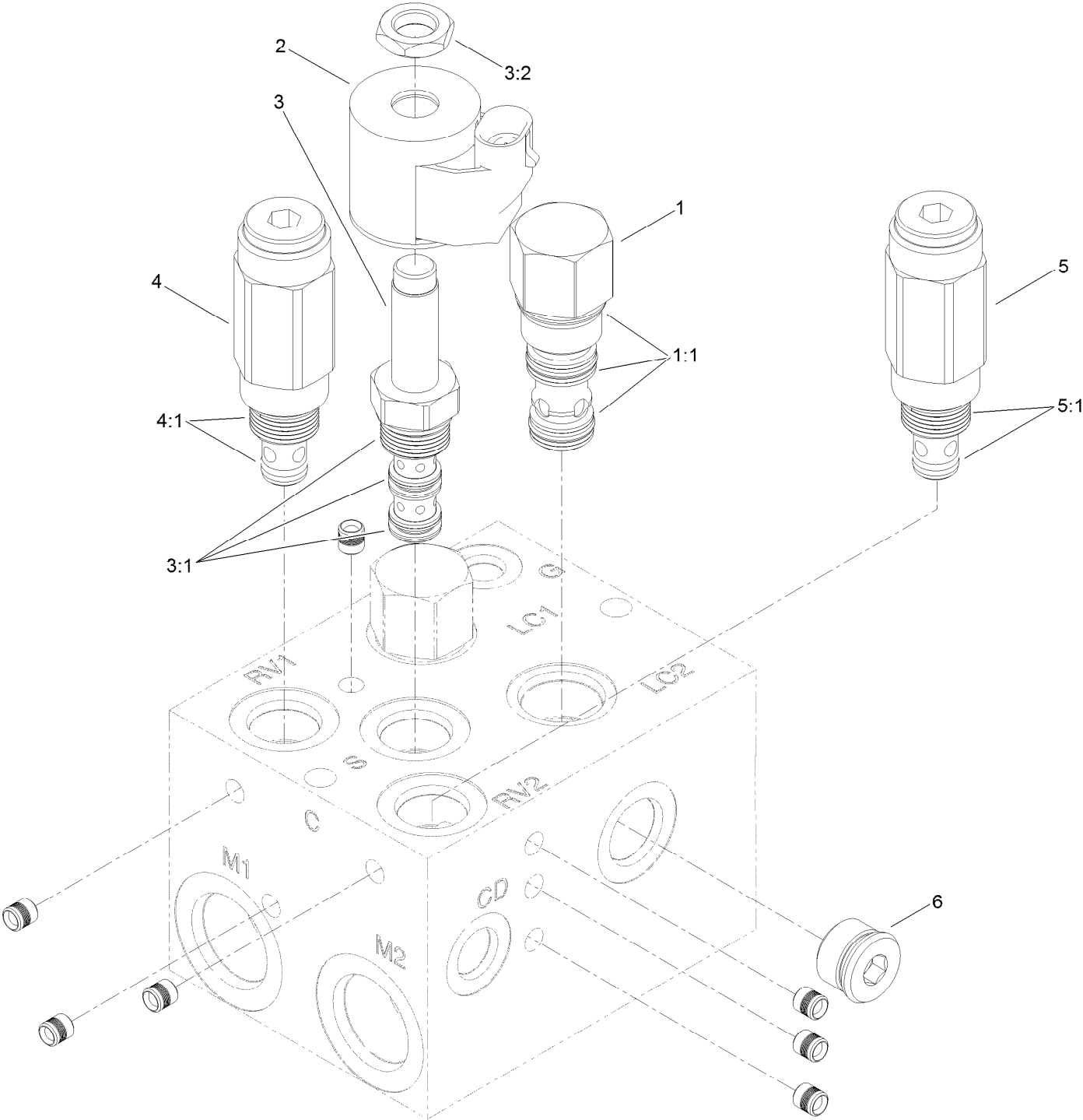
Cutter Manifold Assembly



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

Hydraulic PTO Manifold Assembly No. 115-8467

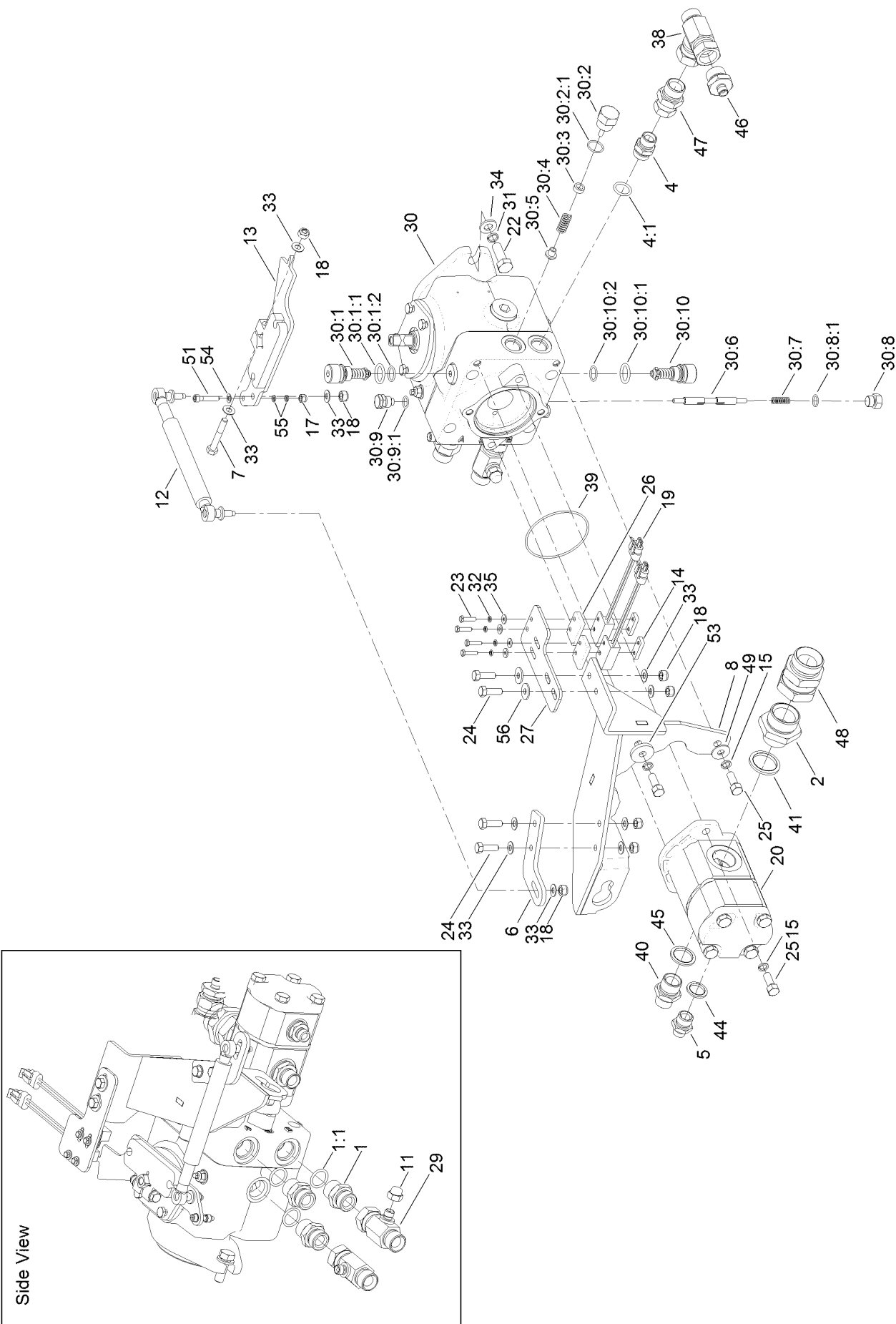


Hydraulic PTO Manifold Assembly No. 115-8467 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	105-9153	2	Element-Logic, Vented
1:1	119-2159	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

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

Transmission and Tandem Pump Assembly

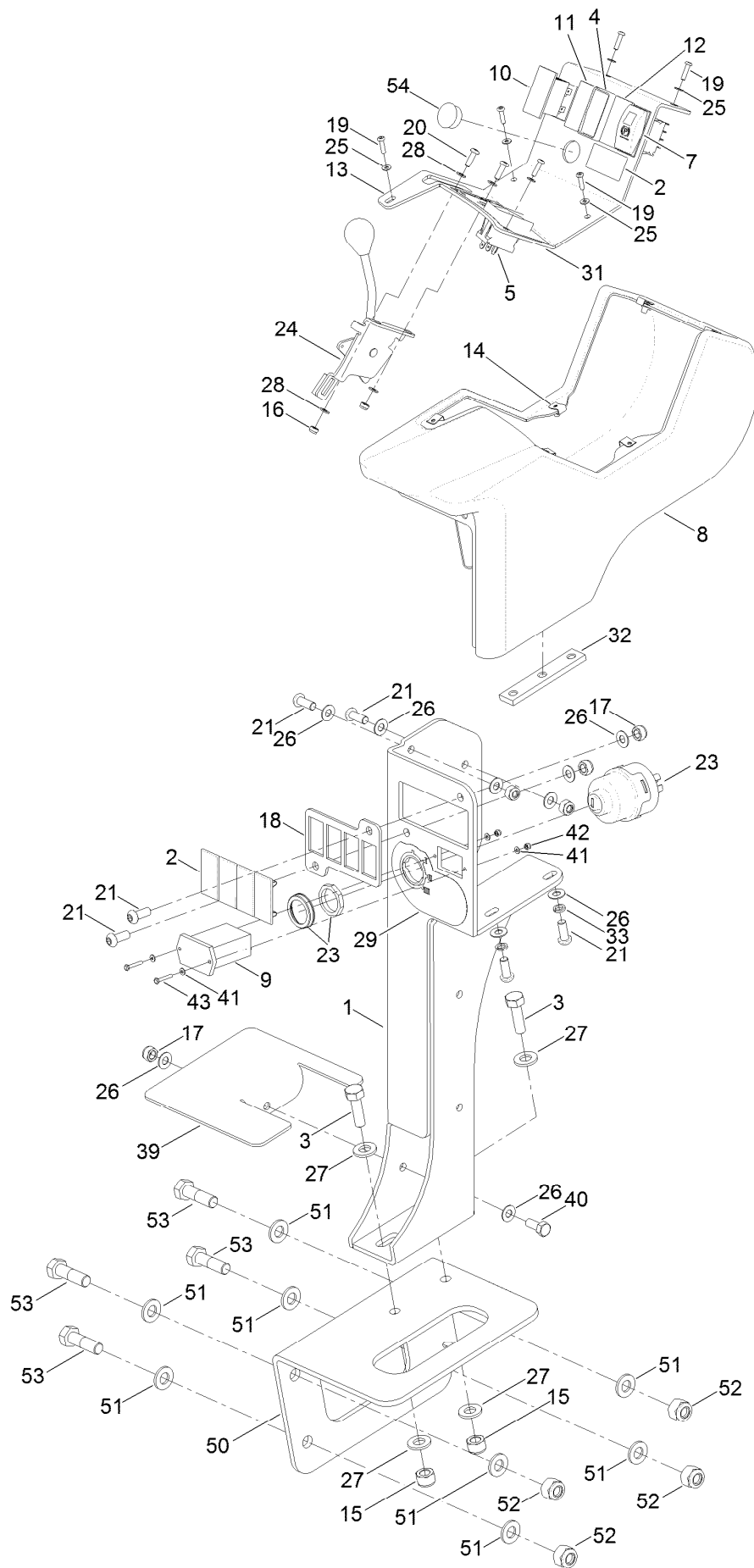


Transmission and Tandem Pump Assembly (continued)

<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	30:3	111-4908	1	Shim Kit ASM
1:1	70-06-168	1	Seal-O Ring	30:4	111-4918	1	Spring-Charge, Prv
2	15-06-109	1	Adaptor	30:5	111-4919	1	Poppet-Charge, Prv
4	63-06-104	1	Adaptor-BSP	30:6	111-3380	1	Valve-Flushing, Loop
4:1	63-06-111	1	Seal-O Ring	30:7	111-4917	1	Spring-Valve, Loop (Flushing)
5	10-06-043	1	Adaptor	30:8	111-4916	1	Plug-Loop Flushing Valve
6	111-6853-03	1	Adjuster-Damper	30:8:1	111-4928	1	O-Ring
7	09565	1	Screw-HH	30:9	111-6776	1	Plug-Flush
8	111-6456-03	1	Bracket-Control, Pump	30:9:1	111-4928	1	O-Ring
11	66-06-003	1	Cap-BSP	30:10	111-6775	1	Valve-Pressure Relief, 300 Bar
12	111-7130	1	*obs* Damper	30:10:1	111-4906	1	O-Ring
13	111-6814	1	Lever-Control, Pump	30:10:2	111-4925	1	O-Ring
14	111-3336	2	Bar-Switch, Proximity	31	09599	2	Washer-Lock
15	09273	4	Washer-Spring	32	09644	4	Washer-Spring
17	09544	1	Nut-Nyloc	33	09475	10	Washer
18	09441	7	Nut-Hex, NI	34	HY09485	2	Washer-Plain
19	105-0023	2	Switch-Proximity	35	09257	4	Washer
20	111-4973	1	HYD Tandem Pump ASM	38	60-06-009	1	Adaptor-Tee
20:99	70-06-153	1	Seal Kit ●	39	70-06-028	1	O-Ring
22	ZDH1L035U	2	Screw-HH	40	994626	1	Adaptor-BSPP
23	ZDH1E020U	4	Screw-HH	41	09-06-214	1	Seal-Dowty
24	03162	4	Screw-HH	44	10-06-032	1	Seal-Dowty
25	HY103653	4	Screw-HH	45	10-06-033	1	Seal-Dowty
26	111-3676	2	Spacer-Switch, Proximity	46	767606	1	Adaptor-BSPP
27	111-3260-03	1	Adjuster-Switches	47	111-5049	1	Fitting-Straight
29	111-3639	2	Tee-BSP	48	111-5150	1	Fitting-Straight
30	111-6774	1	Pump-Transmission	49	HY03355	1	Washer-Plated
30:1	111-3379	1	Valve-Pressure Relief, 345 Bar	51	111-4586	1	Screw-HSH
30:1:1	111-4906	1	O-Ring	53	65-01-559	1	Washer-Space
30:1:2	111-4925	1	O-Ring	54	ZWP1F000U	1	Washer-Plain
30:2	111-3378	1	Plug-Charge Pressure Relief	55	09474	2	Washer-Spring
30:2:1	111-4920	1	O-Ring, Charge Relief Plug	56	09267	2	Washer-Plain

● Not illustrated

Control Panel Assembly

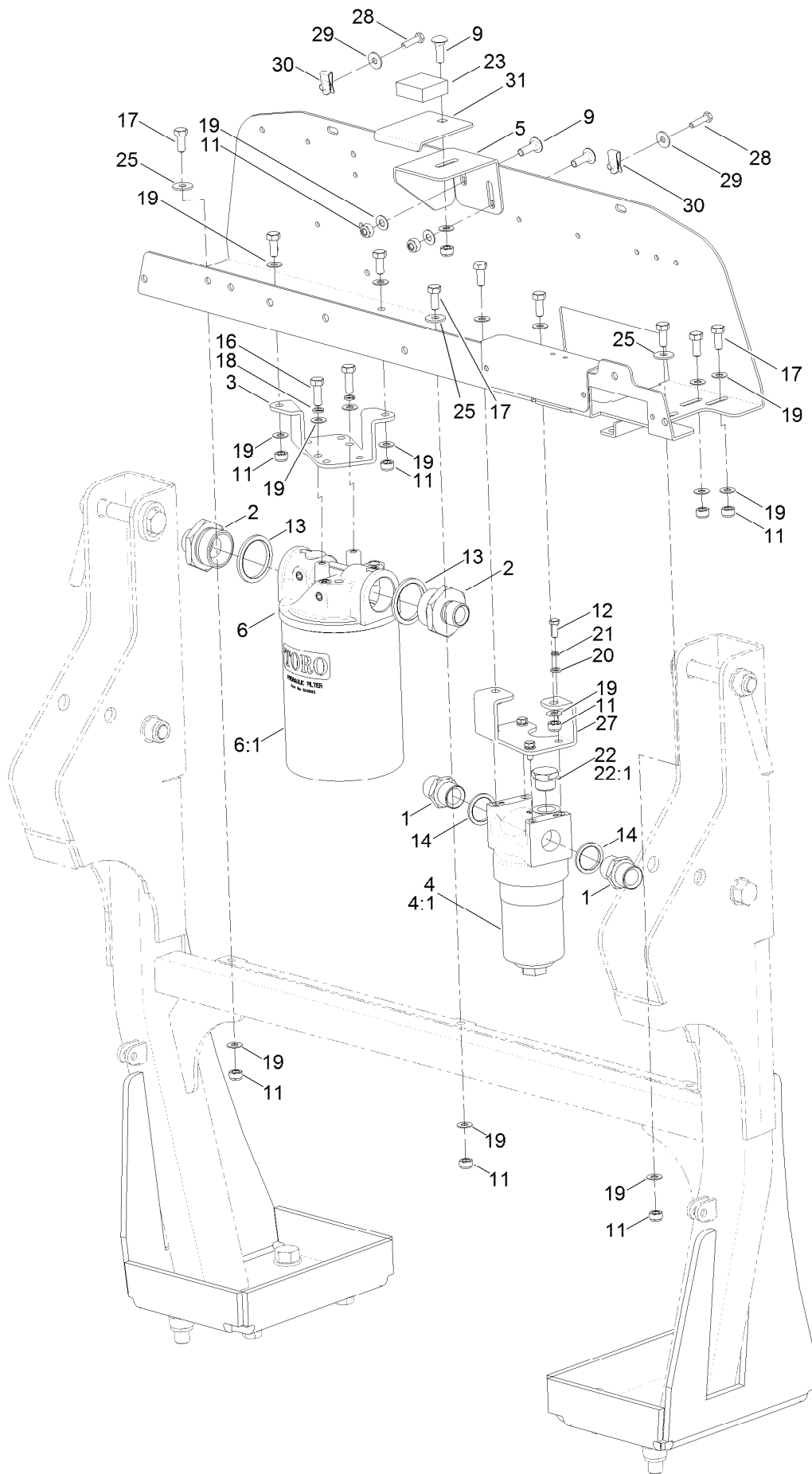


Control Panel Assembly (continued)

<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	111-8496-03	1	Control Arm ASM	23:1	74-09-017	1	Key-Ignition ●
2	111-2337	5	Blank-Switch	23:2	74-09-010	1	Switch-Cover ●
3	09394	2	Bolt	24	111-7090	1	Cable-Throttle
4	111-4892	1	Switch-Cutters	25	09658	6	Washer
5	111-7101	1	Switch-Lift, Lower	26	09475	10	Washer
7	111-2254	1	Switch-Parking Brake, On-None-On	27	HY09485	4	Washer-Plain
8	111-3004	1	Pod-Control	28	09470	4	Washer
9	75-6820	1	Hourmeter	29	111-3344	1	Decal-Switch, Ignition
10	111-2333	1	Indicator-Illuminated	31	111-5233	1	Decal-Panel, Control
11	111-2334	1	Indicator-Illuminated	32	111-3281	1	Bar-Nut
12	111-3026	1	Indicator-Illuminated	33	03469	2	Washer-Spring
13	111-5229-03	1	Panel-Instrument	39	111-5239-03	1	Plate-Filler
14	111-3079	6	U-Nut	40	09368	1	Screw-HH
15	09447	2	Nut	41	HY09697	4	Washer-Plain
16	09430	2	Nut-Nyloc	42	HY09698	2	Nut-Nyloc
17	09441	5	Nut-Hex, NI	43	09696	2	Setscrew
18	111-8494-03	1	Plate-Switch	50	111-5033-03	1	Plate-Mounting
19	111-3473	6	Screw-Button	51	ZWP1L000U	8	Washer-Plain
20	111-3381	2	Screw-HSBH	52	ZNN1L000U	4	Nut-Nyloc
21	ZHS1H020U	6	Screw-HSBH	53	09415	4	Screw-HH
23	74-09-009	1	Switch-Ignition	54	111-5599	1	Plug-Tube

● Not illustrated

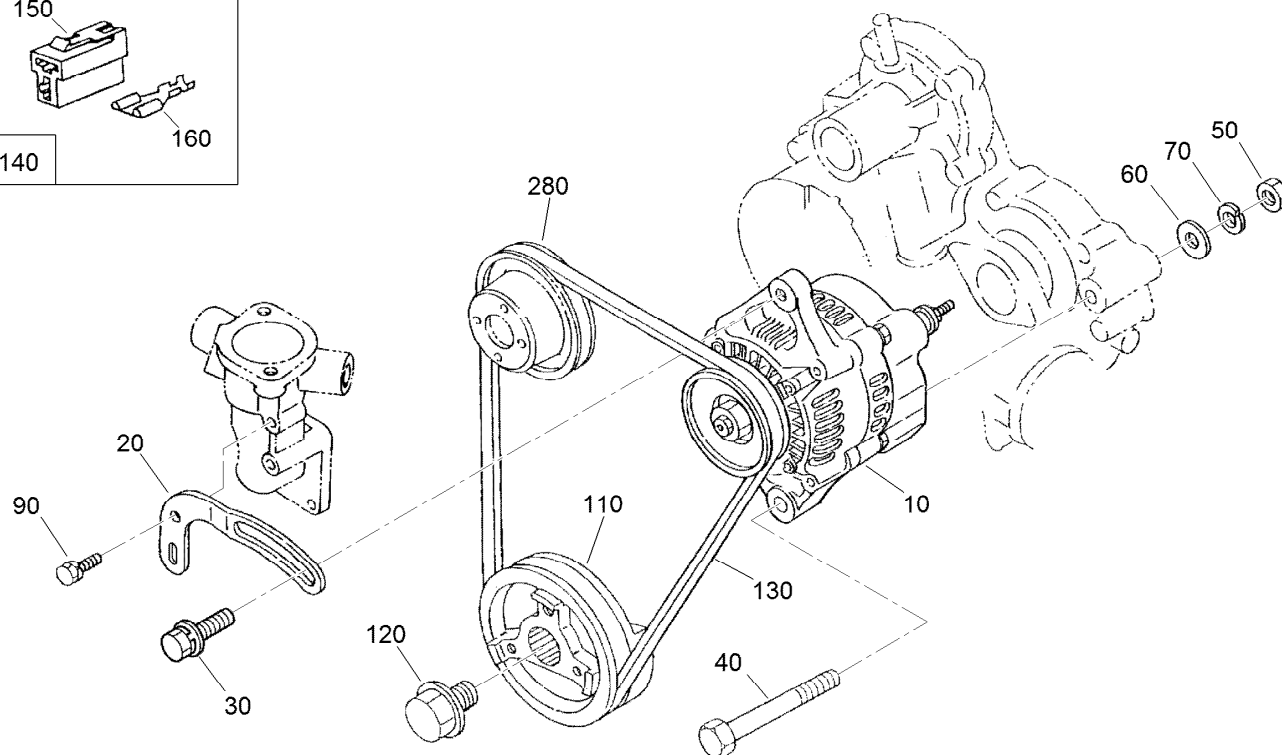
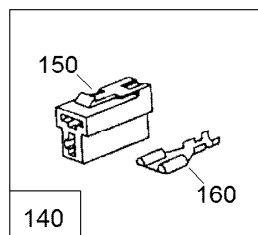
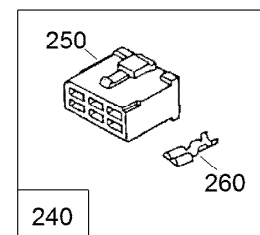
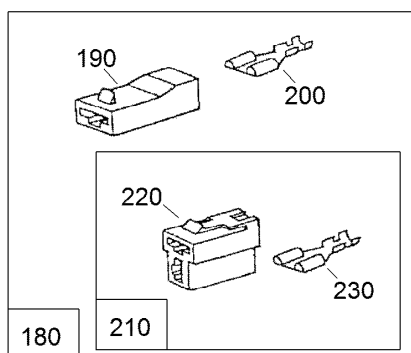
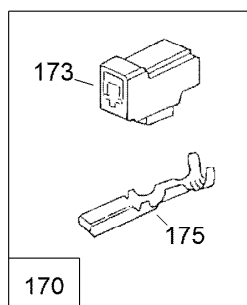
Filter Assembly



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	17	09368	9	Screw-HH
2	25-06-050	2	Adaptor	18	03469	2	Washer-Spring
3	111-3485-03	1	Bracket-Filter, Oil	19	09475	20	Washer
4	924708	1	Pressure Filter ASM	20	09472	4	Washer-Plain
4:1	924709	1	Element-Filter, Pressure	21	09474	4	Washer-Spring
4:2	924710	1	Indicator-Filter, Pressure ●	22	111-3926	1	Plug
5	111-6095-03	1	Plate-Latch, Bulkhead	22:1	63-06-111	1	Seal-O Ring
6	111-7508	1	Return Filter ASM	23	488023	1	Pad-Foam, Short
6:1	924692	1	Element-Filter	25	09267	3	Washer-Plain
9	09373	3	Bolt-Coach	27	111-5039-03	1	Bracket-Filter, Charge
11	09441	12	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
14	10-06-033	2	Seal-Dowty	31	111-6096-03	1	Plate-Latch, Bonnet
16	03162	2	Screw-HH				

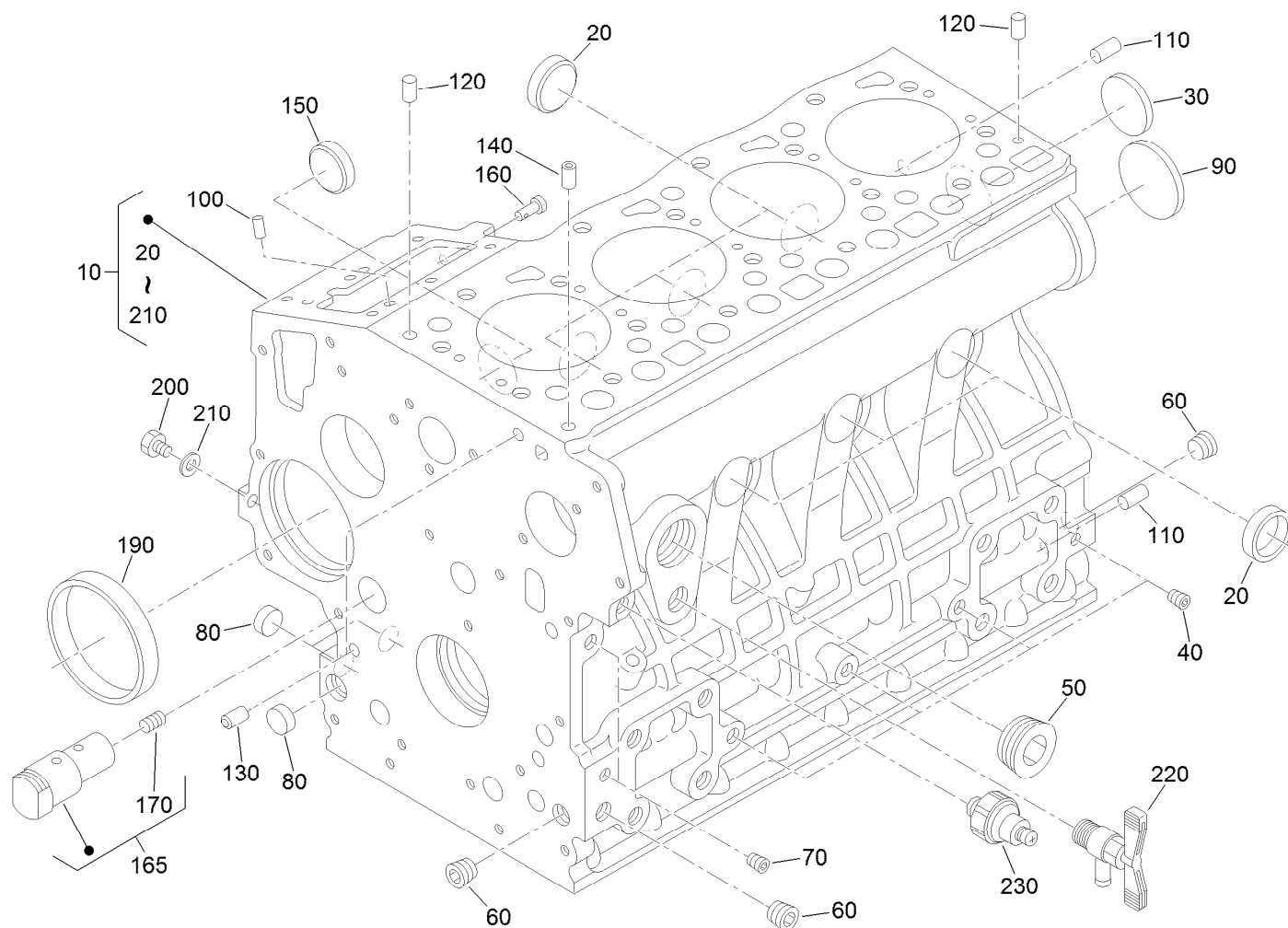
● Not illustrated



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

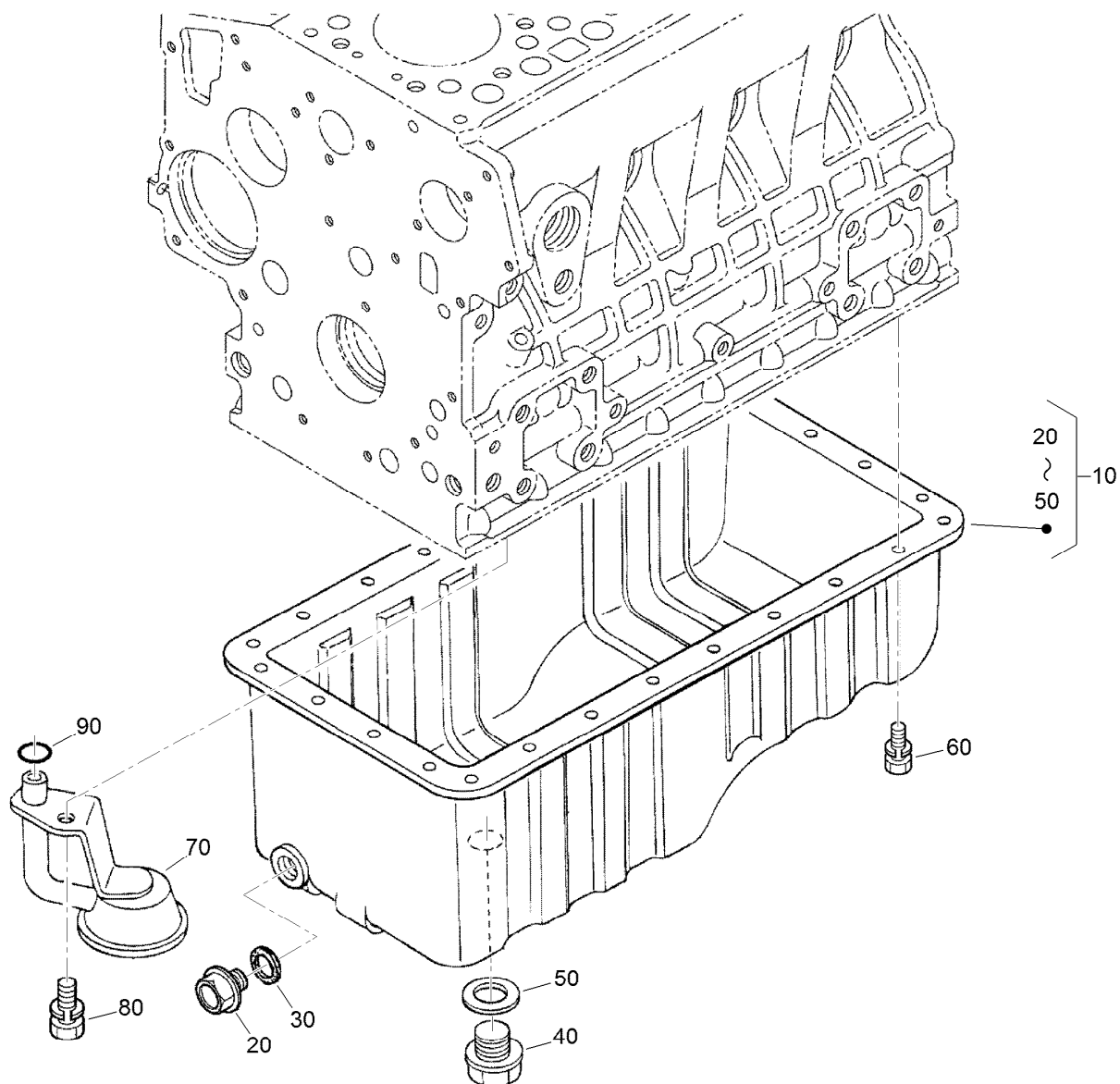
Ref.	Part Number	Qty.	Description
160	98-9699	2	Terminal
170	115-8600	1	Coupler ASM
173	115-8601	1	Connector
175	115-8602	1	Terminal
180	130-1229	1	Relay Coupler ASM
190	130-1230	2	Connector
200	130-1228	2	Terminal
210	127-1606	1	Coupler ASM
220	98-9698	1	Connector
230	98-9699	2	Terminal
240	130-1290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



Crankcase Assembly

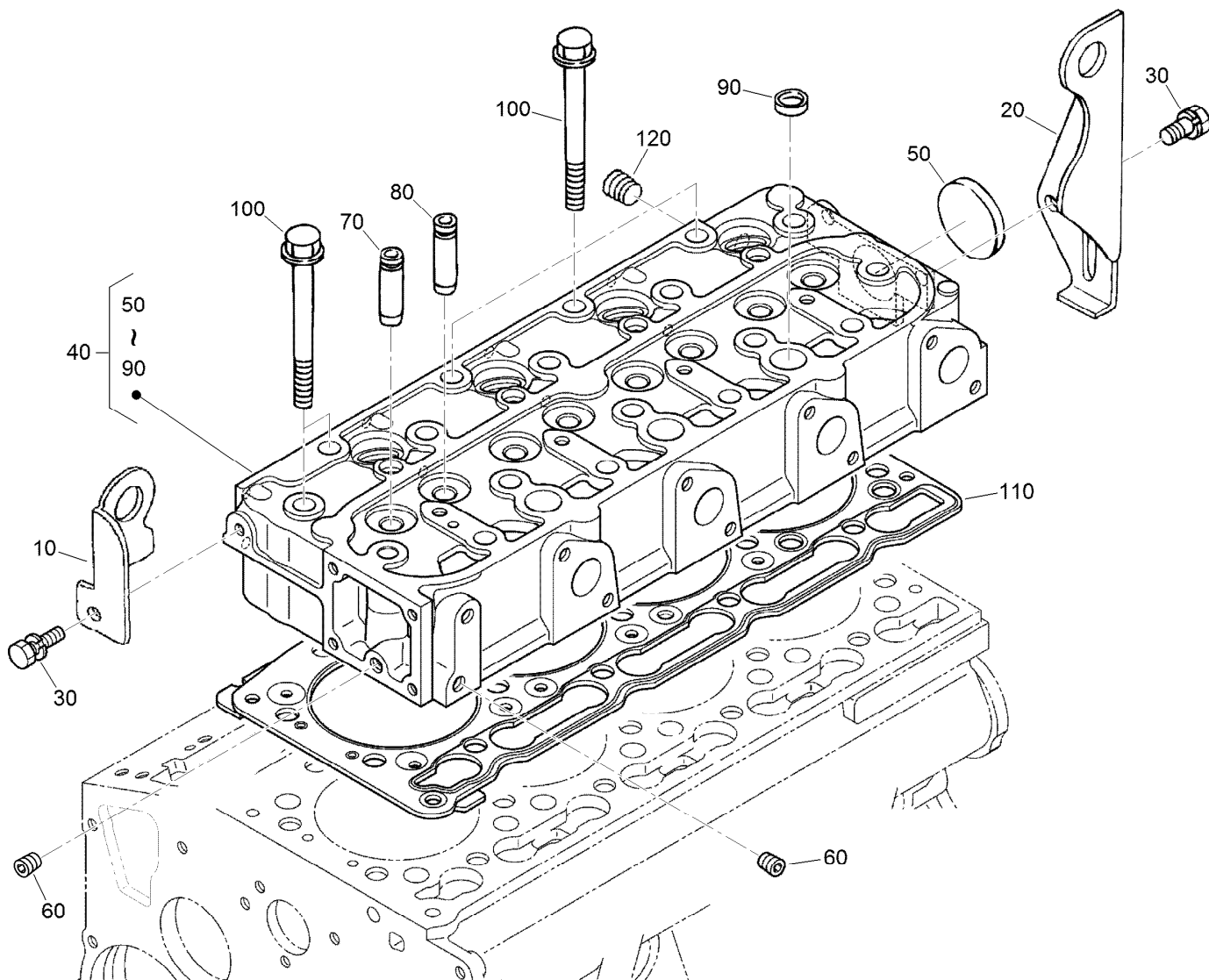
Ref.	Part Number	Qty.	Description
10	120-2558	1	Crankcase ASM
20	98-9398	6	Cap-Sealing
30	98-7539	1	Cap-Sealing
40	98-9687	4	Plug
50	105-3779	1	Plug
60	98-9597	3	Plug
70	98-7487	2	Plug
80	98-9379	3	Plug-Expansion
90	98-9668	1	Plug-Expansion
100	98-9375	2	Pin-Straight
110	98-9377	2	Pin-Straight
120	98-9376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



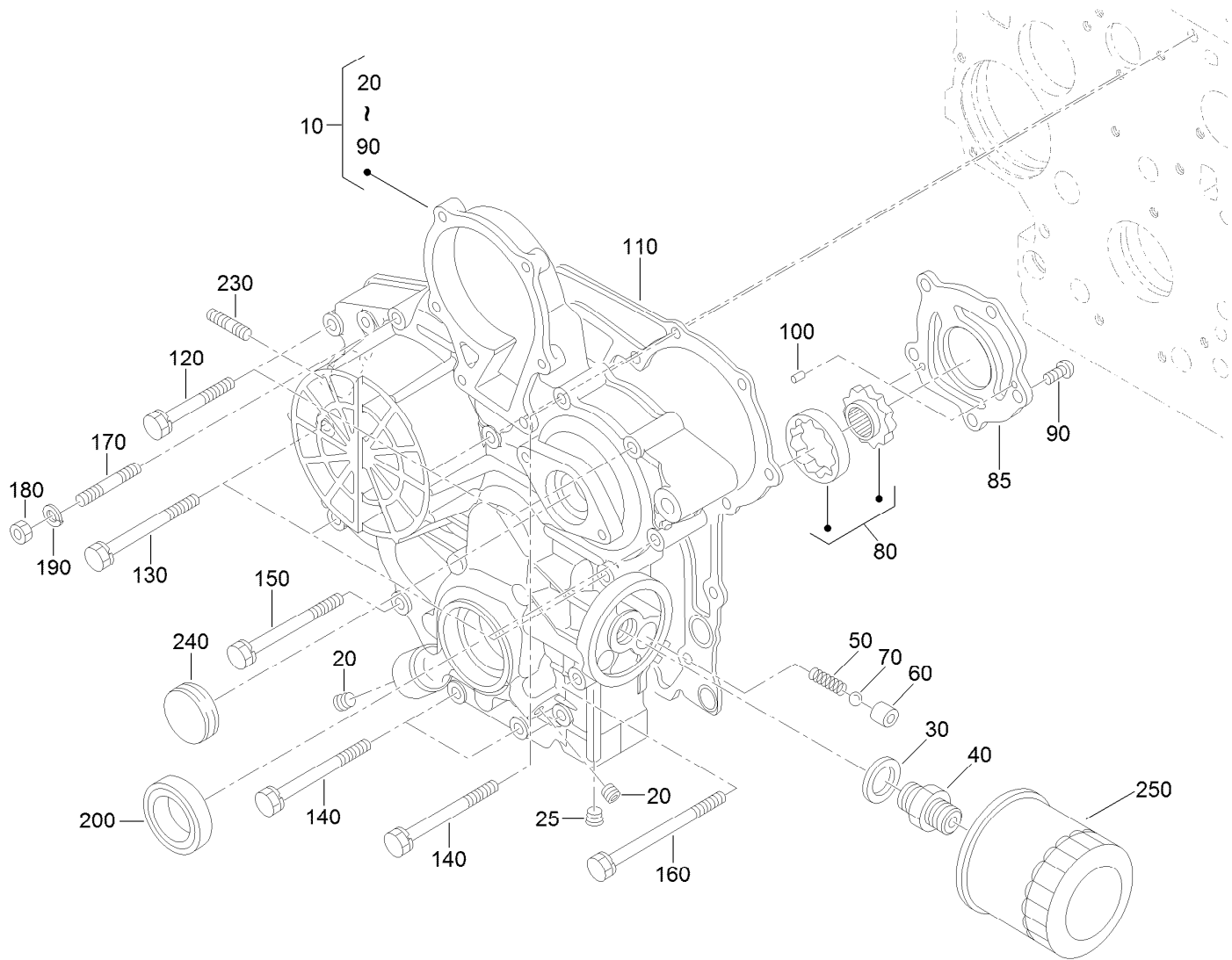
Oil Pan and Oil Pump Assembly

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

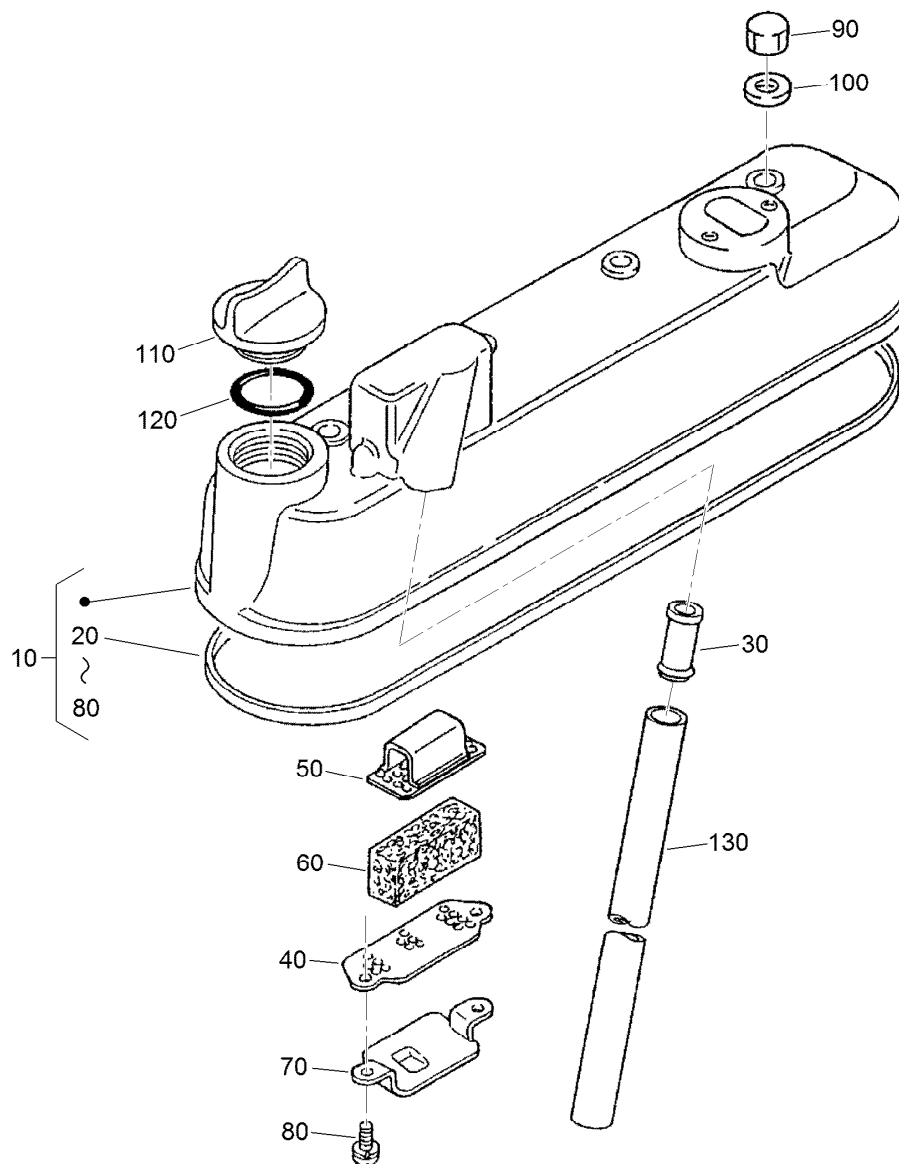
Ref.	Part Number	Qty.	Description
10	130-1231	1	Hook-Engine
20	98-9478	1	Hook-Engine
30	100-9195	2	Bolt
40	130-1382	1	*obs* Cylinder Head ASM
50	105-3705	1	Cap-Sealing
60	98-9687	2	Plug
70	107-9066	4	Guide-Valve, Inlet
80	107-9067	4	Guide-Valve, Exhaust
90	98-9389	3	Cap-Sealing
100	98-9479	18	Bolt-Head,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



Gear Case and Oil Filter Cartridge Assembly

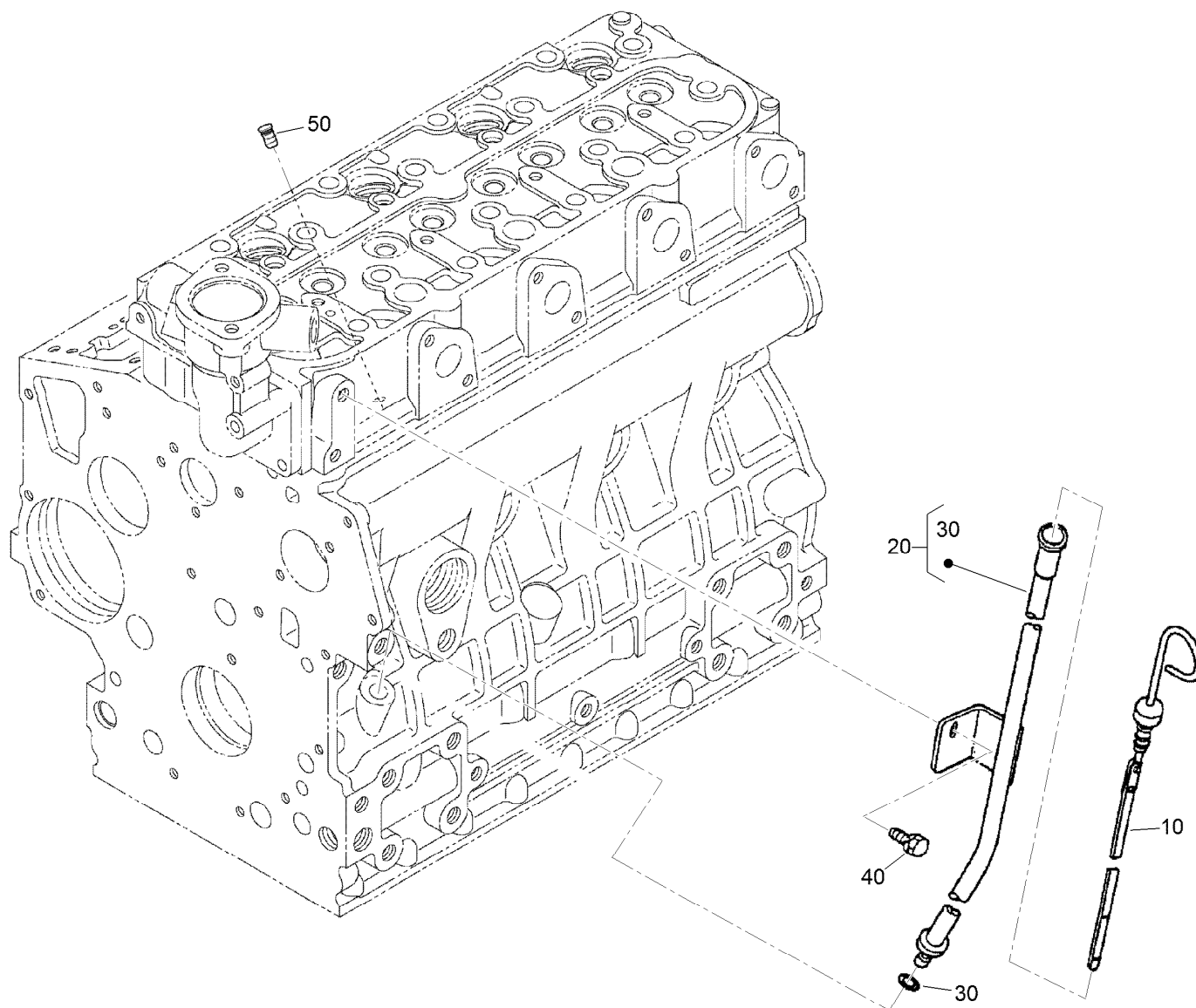
Ref.	Part Number	Qty.	Description
10	130-1243	1	*obs* Gear Case ASM
20	98-9598	2	Plug
25	108-3841	1	Filter-Oil
25	98-7487	1	Plug
30	98-7562	1	Washer-Plain
40	98-9388	1	Joint-Pipe
50	130-1511	1	Spring
60	130-1510	1	Valve-Relief
70	98-9380	1	Ball
80	130-1508	1	Rotor ASM
85	130-1509	1	Cover-Pump, Oil
90	130-1164	5	Screw-Binding
100	107-9072	2	Pin-Straight

Ref.	Part Number	Qty.	Description
110	98-9633	1	Gasket-Case, Gear
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	108-3841	1	Filter-Oil



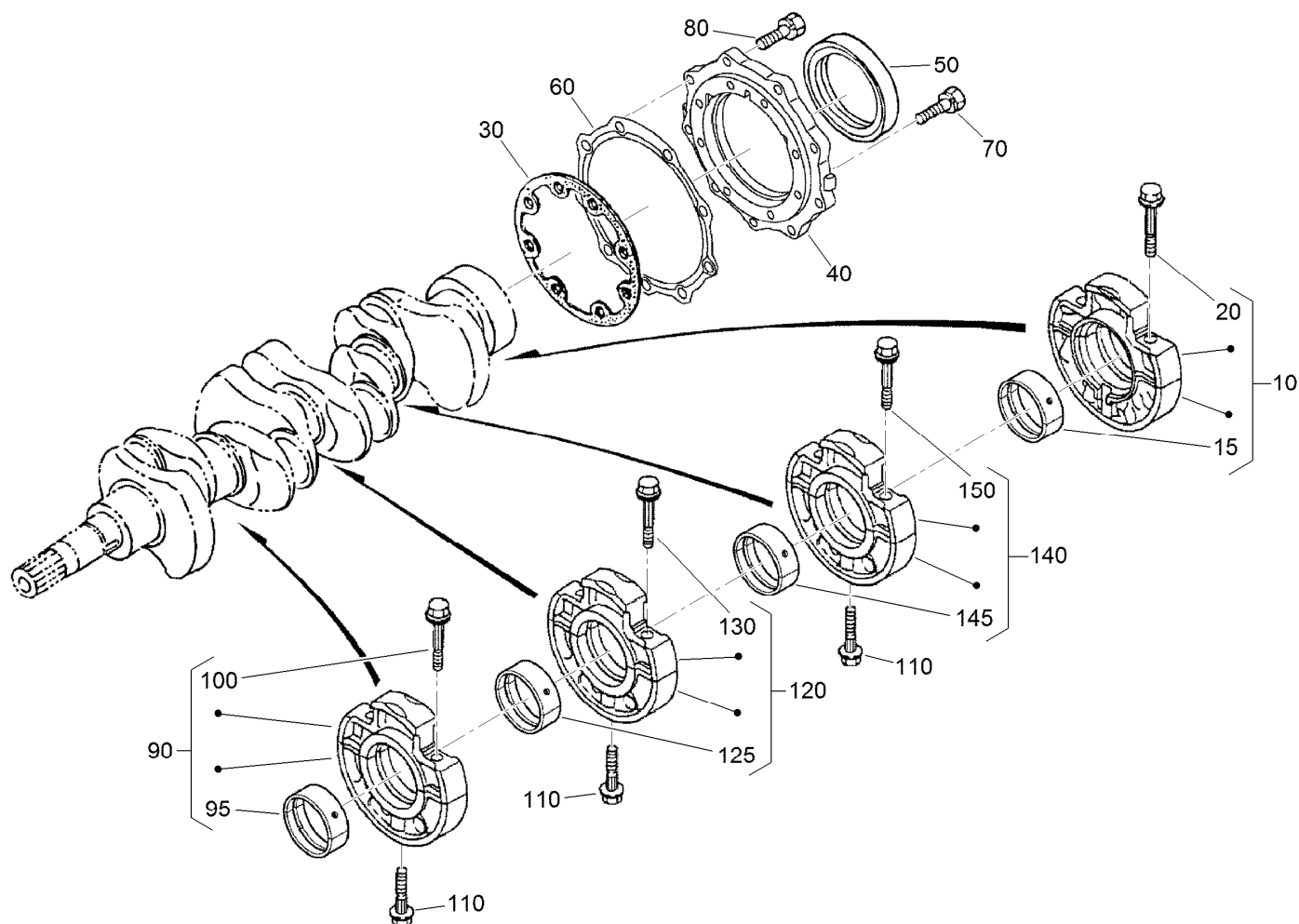
Cylinder Head Cover Assembly

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

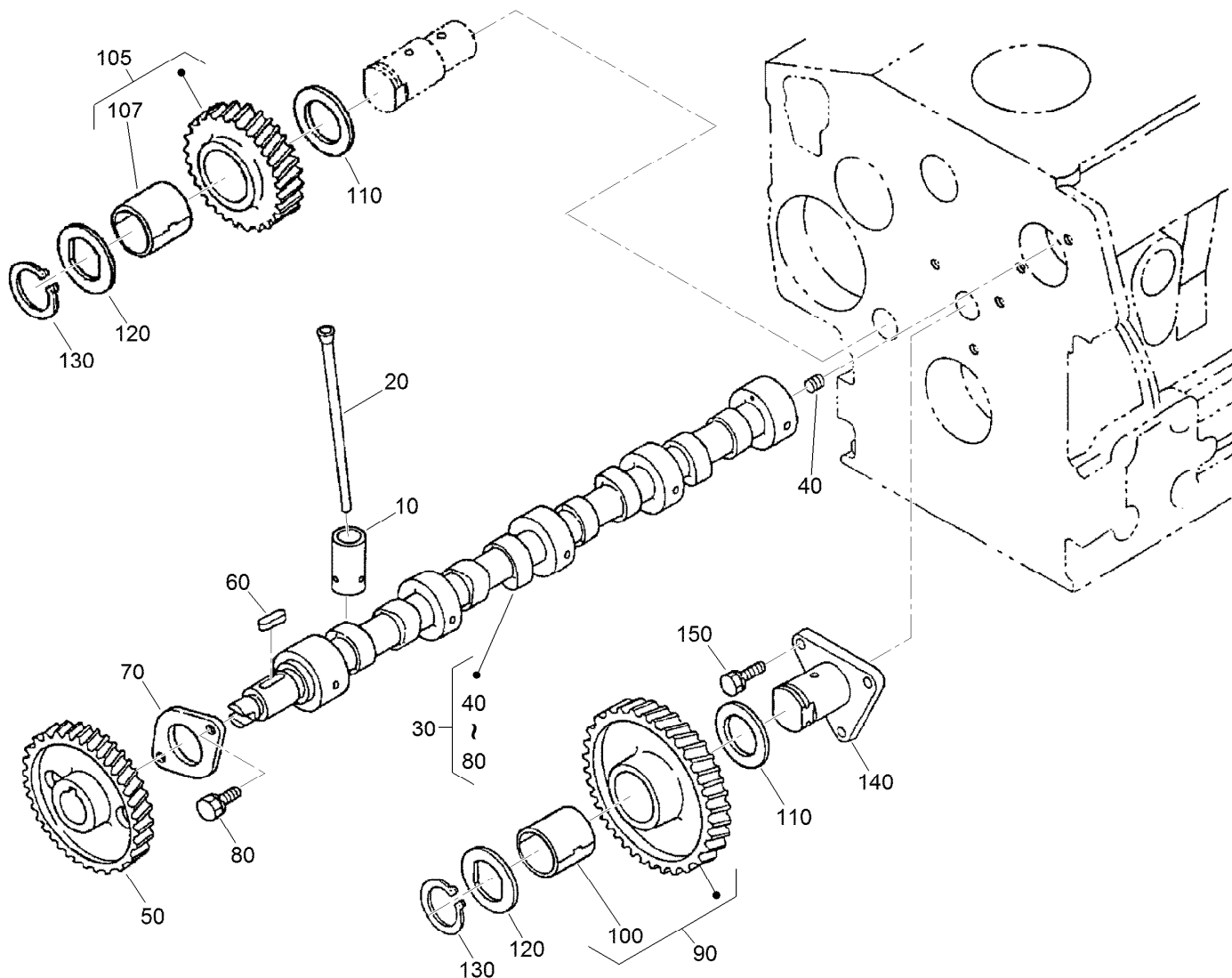
Ref.	Part Number	Qty.	Description
10	120-3124	1	Gauge-Oil
20	98-9672	1	Oil Gauge Guide ASM
30	98-9722	1	O-Ring
40	100-9195	1	Bolt
50	110-3720	1	Plug-Gauge, Oil



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

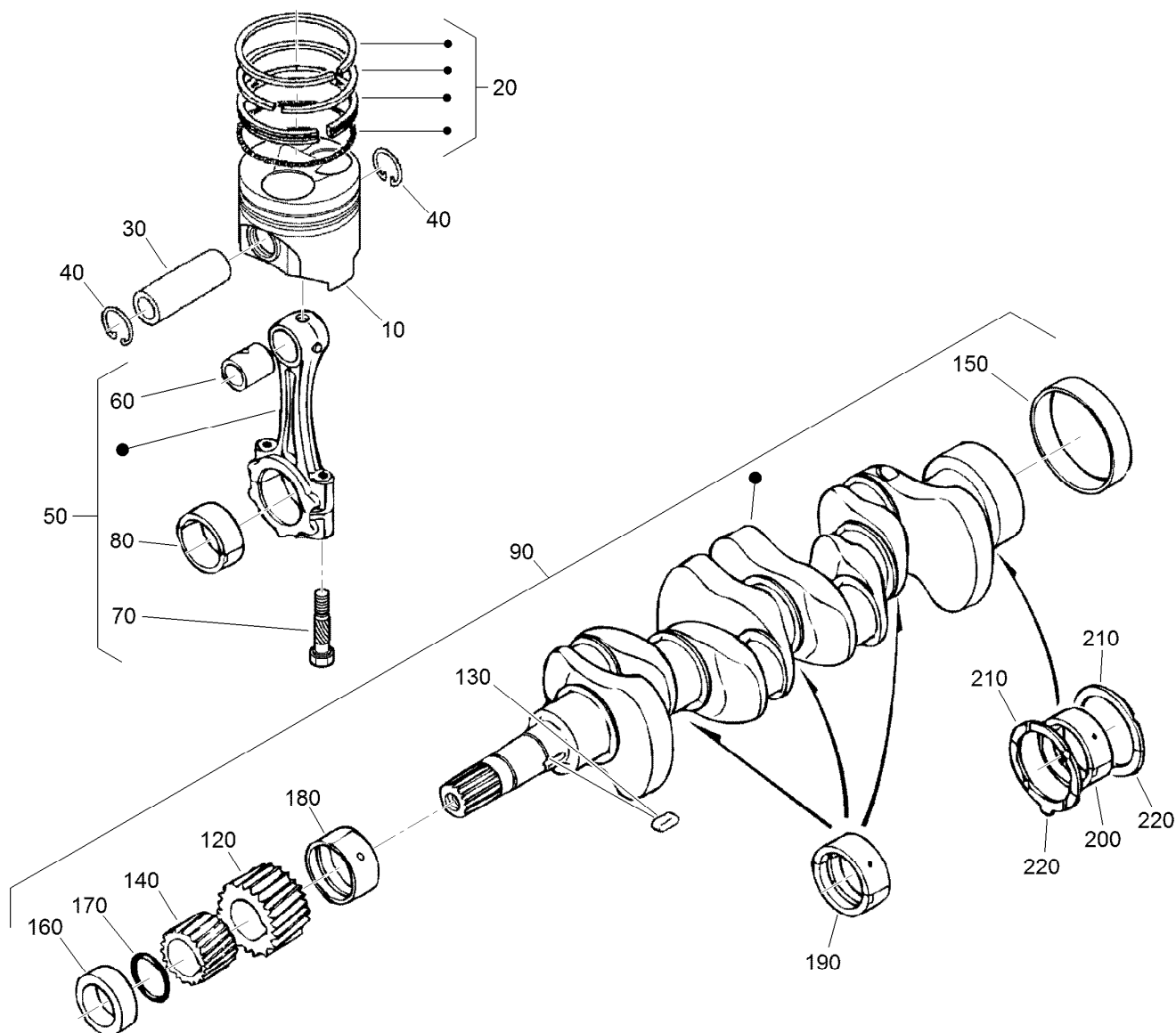
Ref.	Part Number	Qty.	Description
95	98-9524	1	Metal-Crankshaft (STD Set)
100	98-9484	2	Bolt-Case, Bearing
110	98-9485	3	Bolt-Case, Bearing
120	115-4107	1	Main Bearing Case ASM
125	98-9524	1	Metal-Crankshaft (STD Set)
130	98-9484	2	Bolt-Case, Bearing
140	130-1265	1	Main Bearing Case ASM
145	98-9524	1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

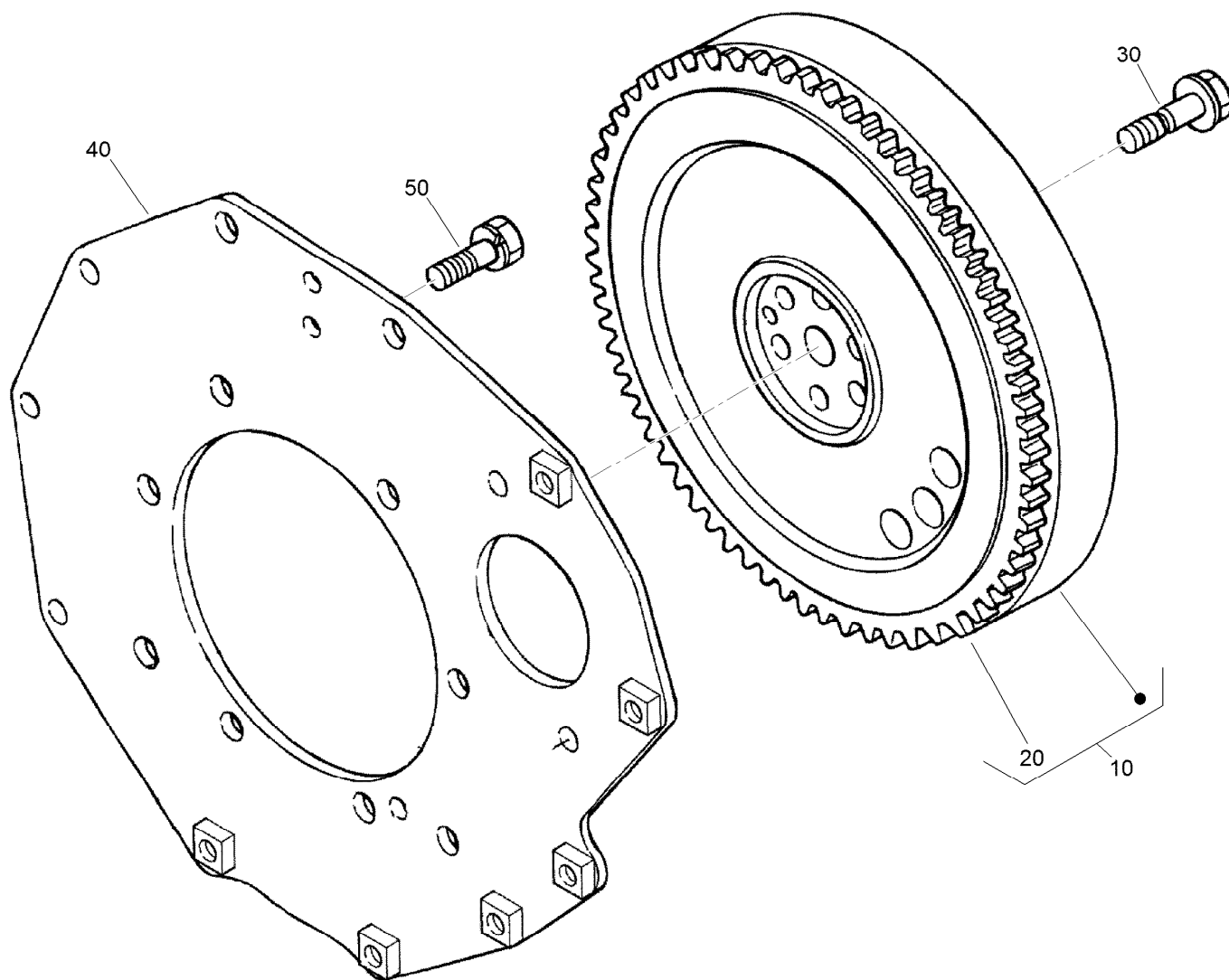
Ref.	Part Number	Qty.	Description
100	117-7585	1	Bushing-Gear, Idle
105	130-1259	1	Idler Gear ASM
107	117-7585	1	Bushing-Gear, Idle
110	98-9535	1	Collar-Gear, Idle
120	98-9536	1	Collar-Gear, Idle
130	98-9534	1	Circlip-Gear, Idle
140	98-9533	1	Shaft-Gear, Idle
150	98-7692	3	Bolt



Piston and Crankshaft Assembly

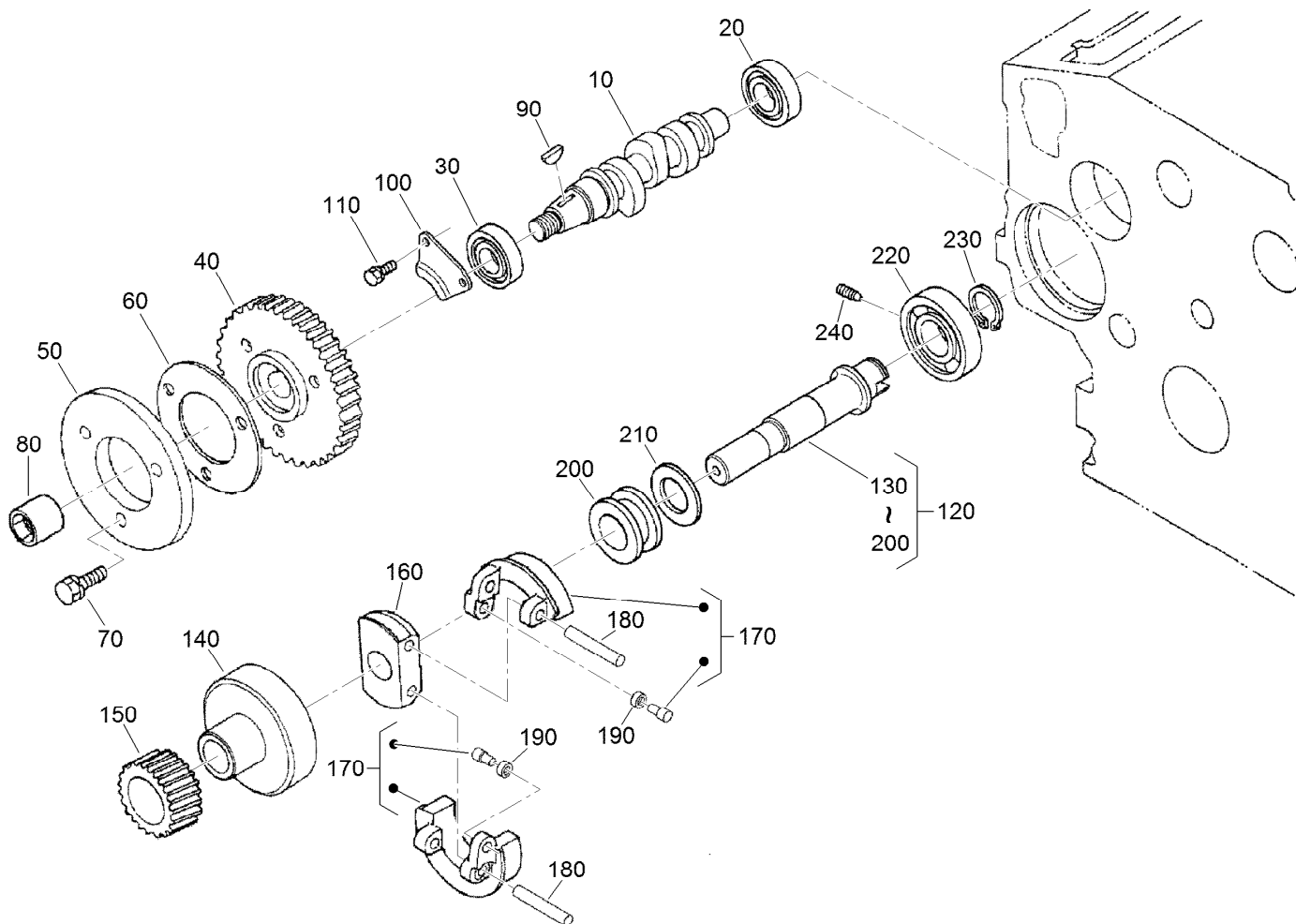
Ref.	Part Number	Qty.	Description
10	112-8404	4	Piston (STD)
10	112-8414	4	Piston (+0.5Mm)
20	98-9551	4	Piston Ring ASM (STD)
20	108-1404	4	Piston Ring ASM (+0.5Mm)
30	98-9513	4	Pin-Piston
40	98-9514	8	Circlip-Pin, Piston
50	117-7586	4	Connecting Rod ASM
60	115-3014	4	Bushing-Pin, Piston
70	98-9517	8	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

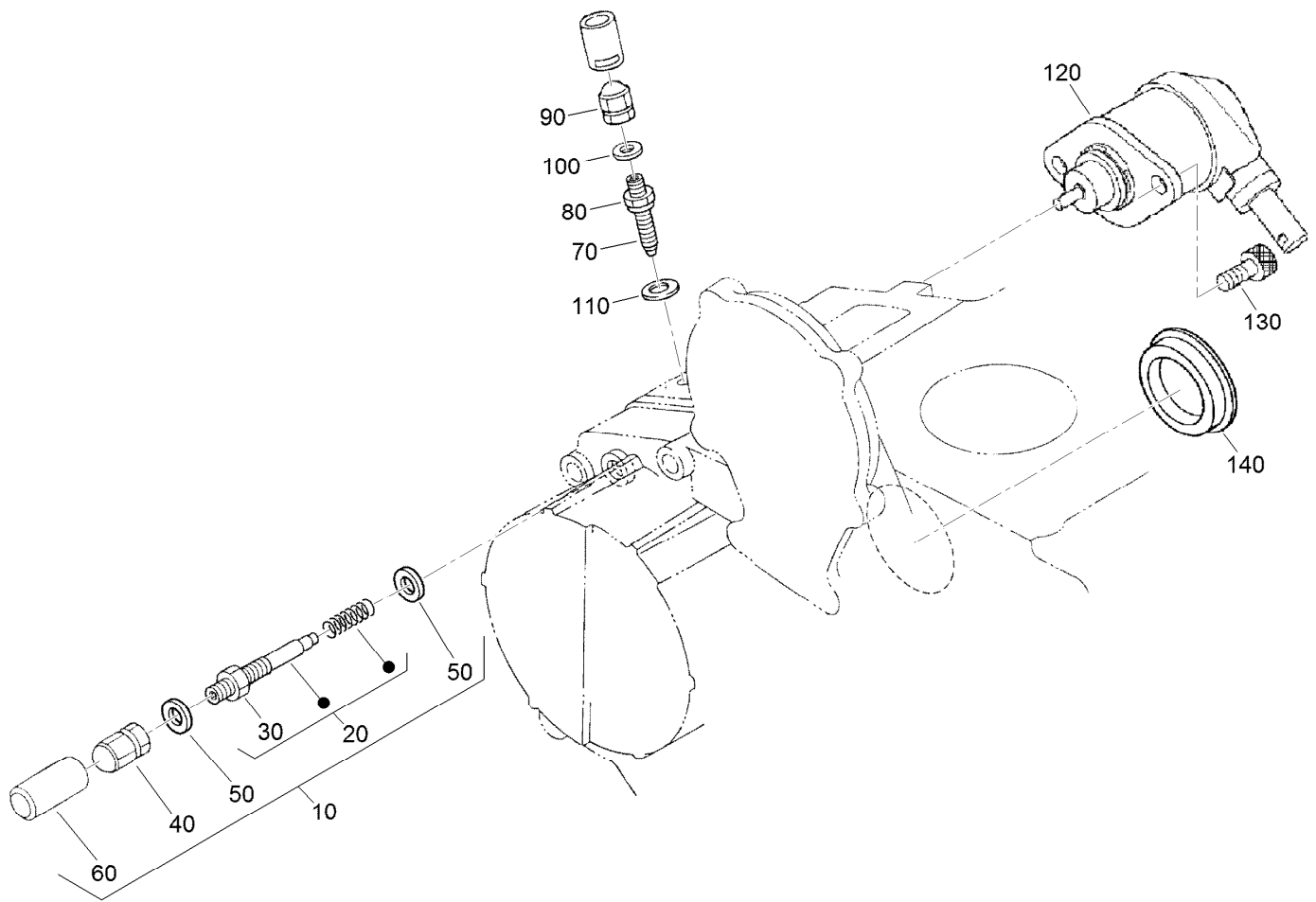
Ref.	Part Number	Qty.	Description
10	105-3721	1	Flywheel ASM
20	115-3015	1	Gear-Ring
30	98-9537	6	Bolt-Flywheel
40	98-9486	1	Plate-End, Rear
50	98-9392	8	Bolt



Fuel Camshaft and Governor Shaft Assembly

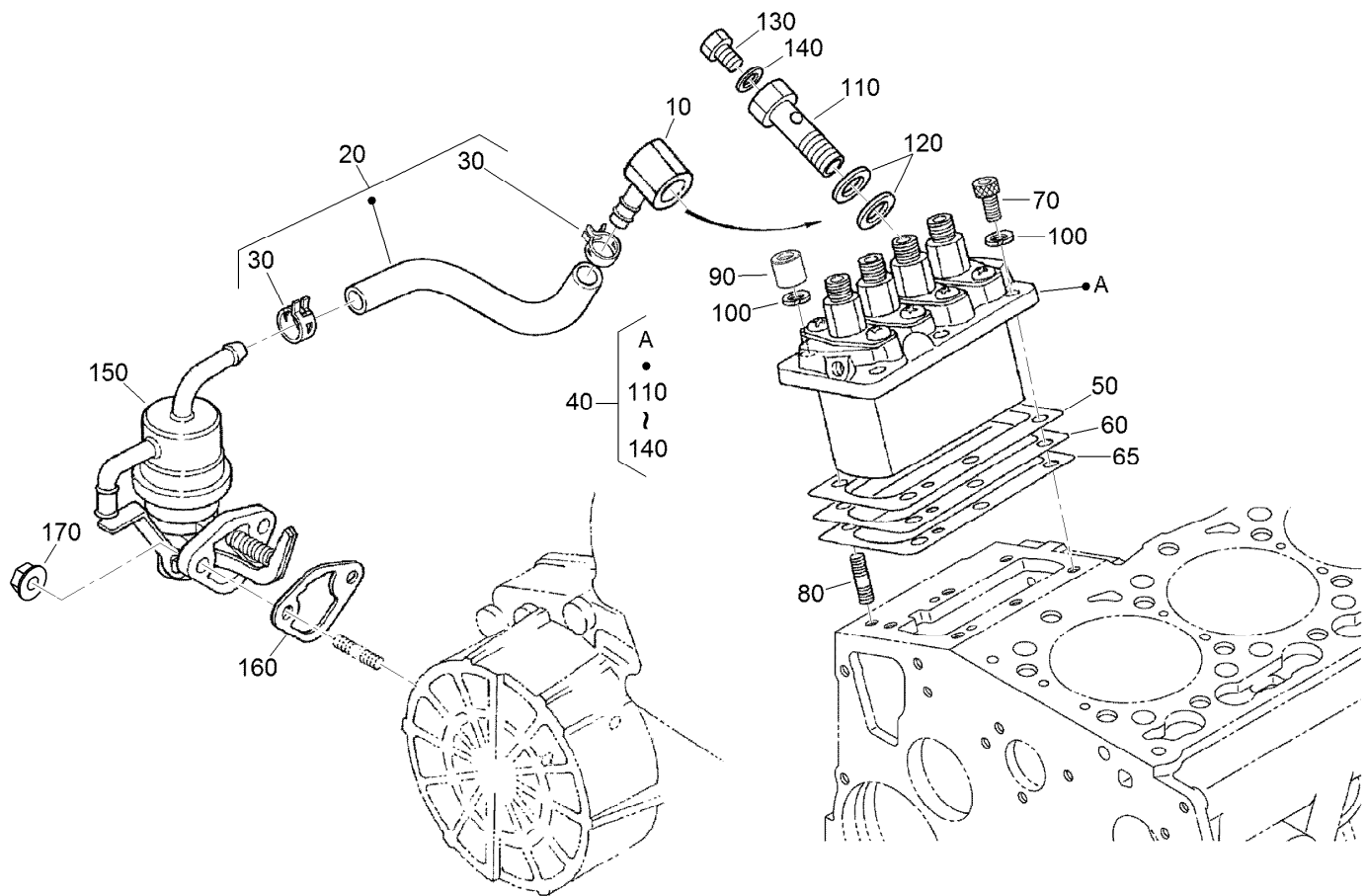
Ref.	Part Number	Qty.	Description
10	105-3723	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
40	98-9669	1	Gear-Pump, Injection
50	130-1239	1	Cam-Fuel
60	98-9548	1	Washer
70	98-9350	3	Bolt
80	130-1512	1	Nut
90	98-9595	1	Key-Woodruff
100	98-9511	1	Stopper-Fuel, Camshaft
110	98-7692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

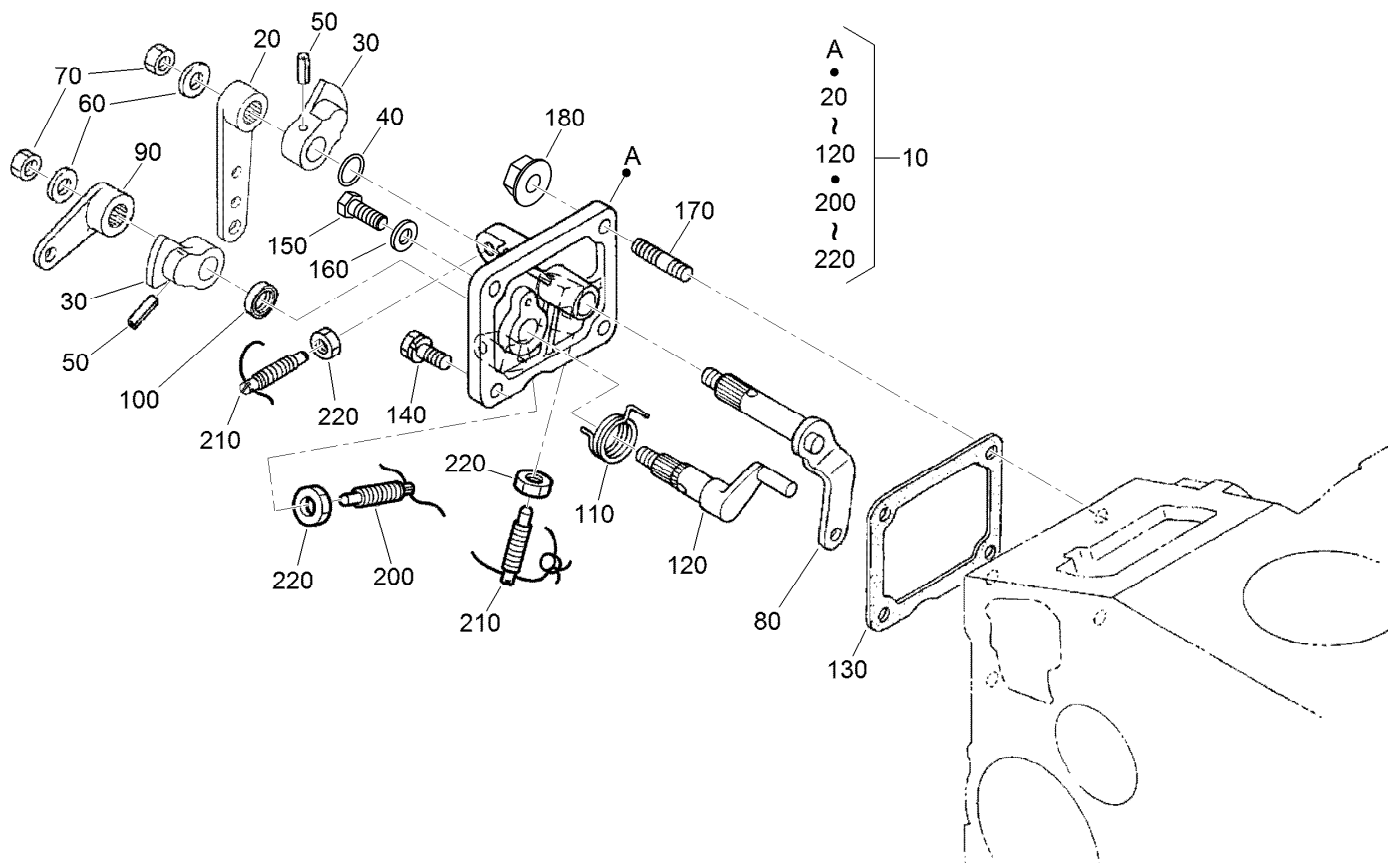
Ref.	Part Number	Qty.	Description
10	98-9678	1	Idle Apparatus ASM
20	112-7014	1	Adjusting Bolt ASM
30	98-9439	1	Nut
40	112-0181	1	Nut
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	112-7015	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	112-0181	1	Nut
100	98-7654	1	Gasket
110	107-9081	1	Gasket
120	104-5155	1	Solenoid-Stop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

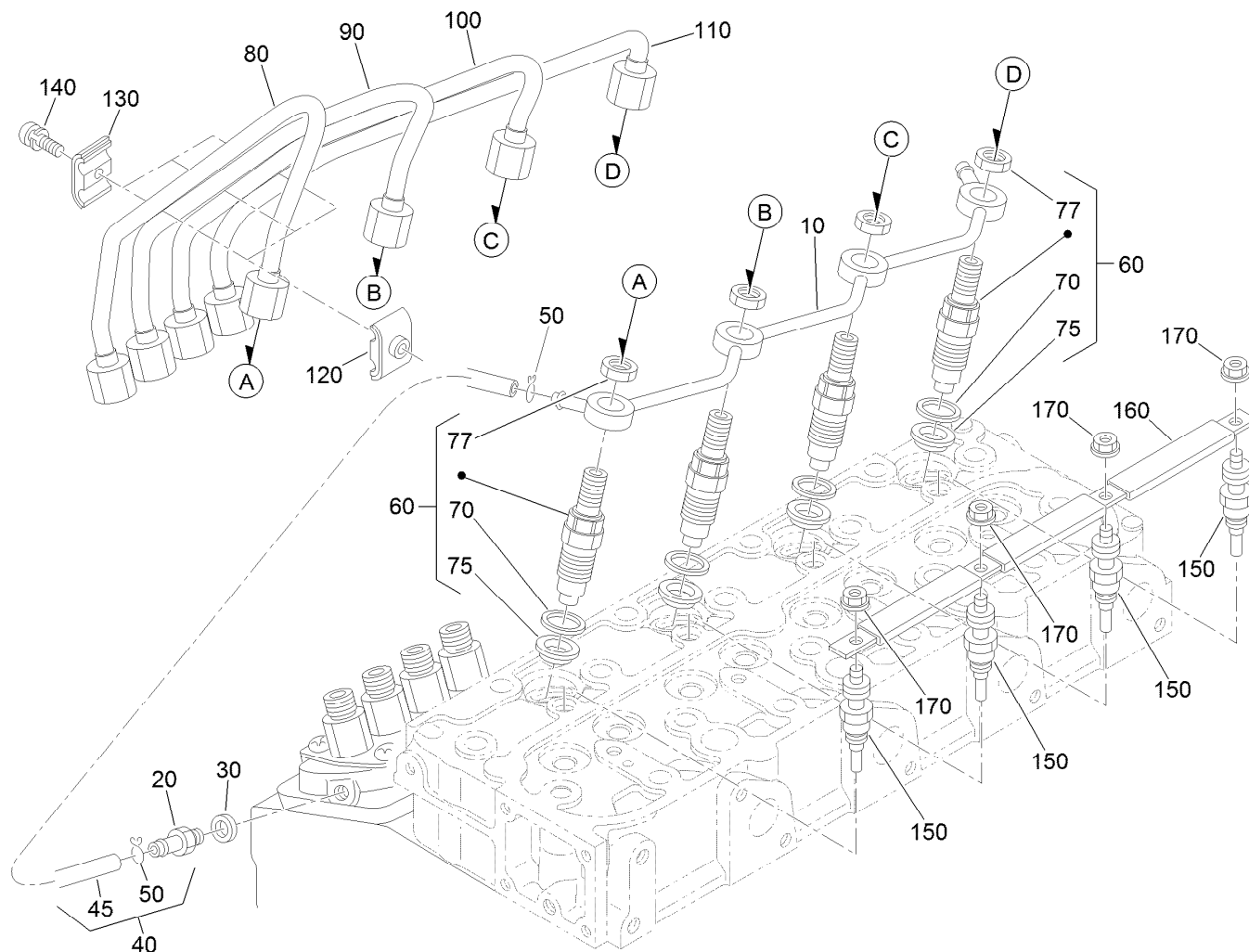
Ref.	Part Number	Qty.	Description
70	117-7564	3	Bolt-Hex Soc HD
80	98-9438	3	Stud
90	98-9440	3	Nut-Cap
100	98-7699	3	Washer-Spring
110	98-9464	1	Bolt-Joint
120	98-9445	2	Gasket
130	98-9430	1	Screw
140	98-9446	1	Gasket
150	98-9677	1	Fuel Pump ASM
160	98-9636	1	Gasket-Pump, Fuel
170	100-2203	2	Nut-Flange



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

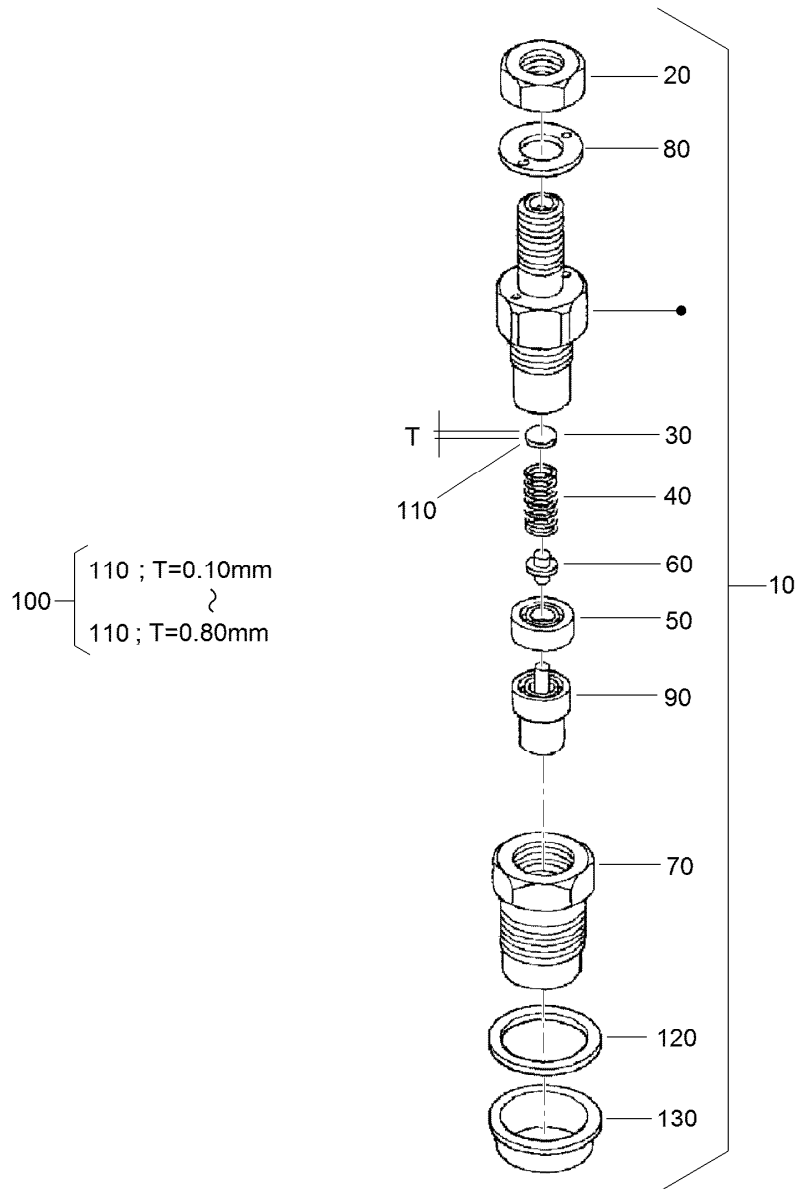
Ref.	Part Number	Qty.	Description
120	98-9664	1	Shaft-Lever, Stop
130	98-9637	1	Gasket
140	98-7692	1	Bolt
150	127-0401	1	Bolt-Hex
160	98-7654	1	Gasket
170	105-3710	2	Stud
180	100-2203	2	Nut-Flange
200	117-7565	2	Bolt-Adjusting
210	117-7566	1	Bolt-Adjusting
220	98-7572	3	Nut



Nozzle Holder and Glow Plug Assembly

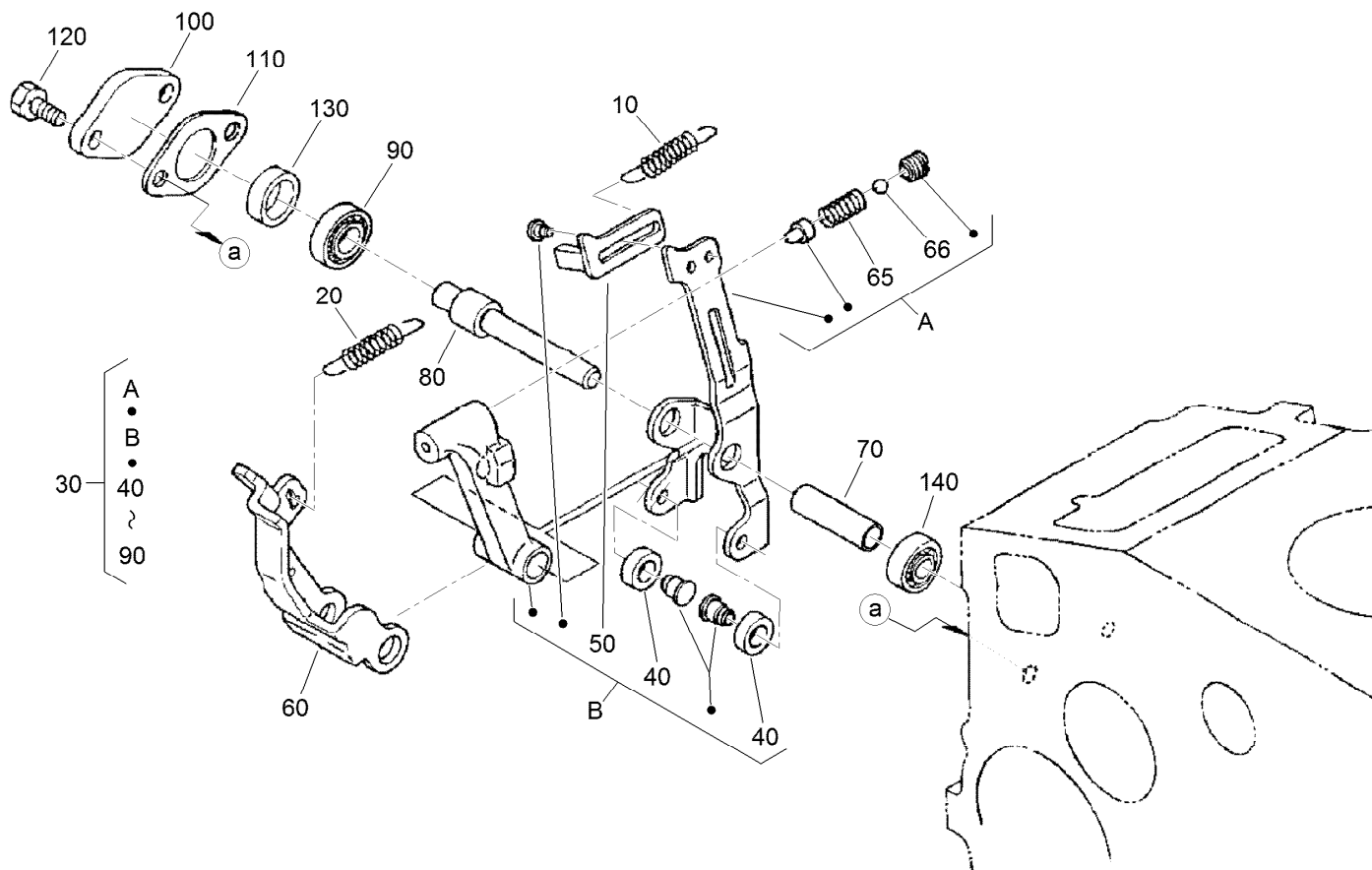
Ref.	Part Number	Qty.	Description
10	105-3737	1	Over Flow Pipe ASM
20	98-9431	1	Screw-Bleeder, Air
30	98-7654	1	Gasket
40	98-9420	1	Overflow Pipe ASM
45	112-0182	1	Pipe-Overflow
50	98-7671	2	Clip-Pipe
60	108-2866	4	Nozzle Holder Kit
70	98-7676	4	Gasket
75	98-7677	4	Seal-Heat
77	121-2411	4	Nut

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

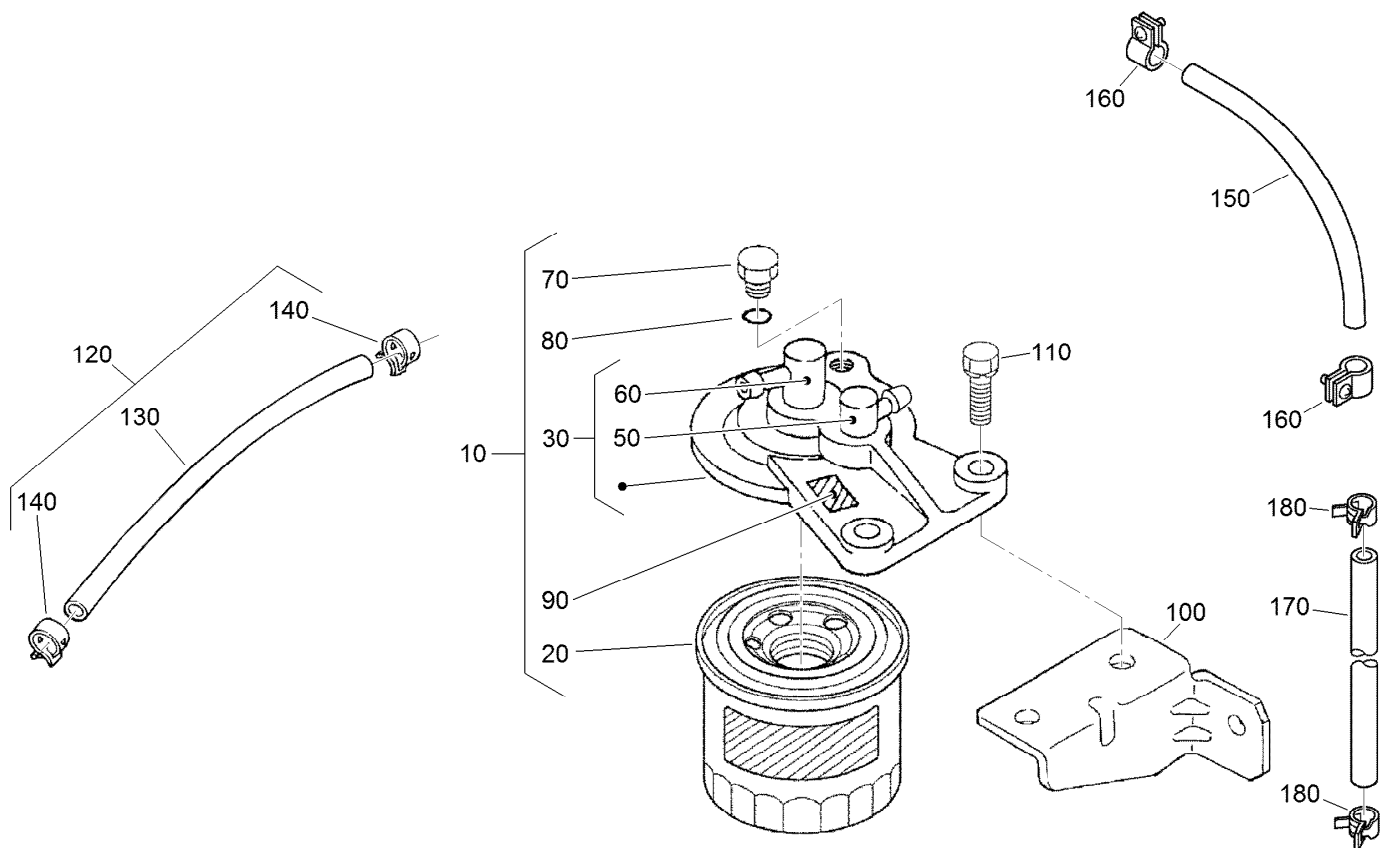
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
10	108-2866	4	Nozzle Holder Kit	110	99-8311	4	Washer-Adjust (0.20Mm)
20	121-2411	4	Nut	110	99-8312	4	Washer-Adjust (0.30Mm)
30	99-8302	4	Washer-Adjusting	110	99-8313	4	Washer-Adjust (0.40Mm)
40	99-8303	4	Spring-Nozzle	110	99-8314	4	Washer-Adjust (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



Governor Assembly

Ref.	Part Number	Qty.	Description
10	105-3741	1	Spring-Start
20	98-9681	1	Spring-Governor
30	115-4502	1	Fork Lever ASM
40	98-9692	2	Roller
50	107-9083	1	Lever-Thrust
60	107-9084	1	Lever-Fork
65	108-2867	1	Spring
66	98-7580	2	Ball

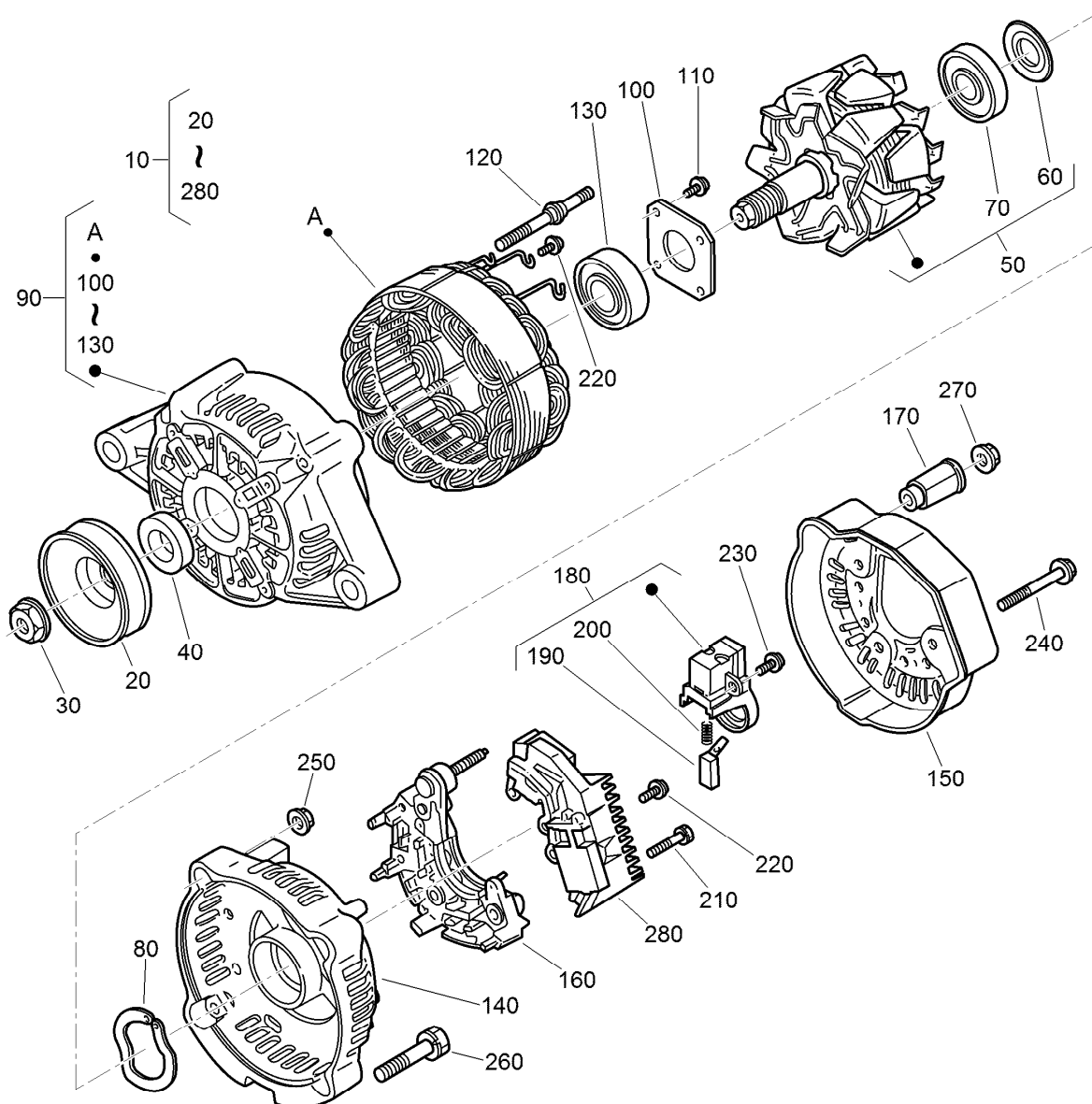
Ref.	Part Number	Qty.	Description
70	107-9085	1	Shaft-Lever, Fork
80	107-9086	1	Shaft-Lever, Fork
90	98-9570	1	Bearing-Miniaturize
100	115-4122	1	Cover-Shaft, Fork Lever
110	98-9682	1	Gasket
120	98-9350	2	Bolt
130	98-9567	1	Collar
140	98-9571	1	Bearing-Miniaturize



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

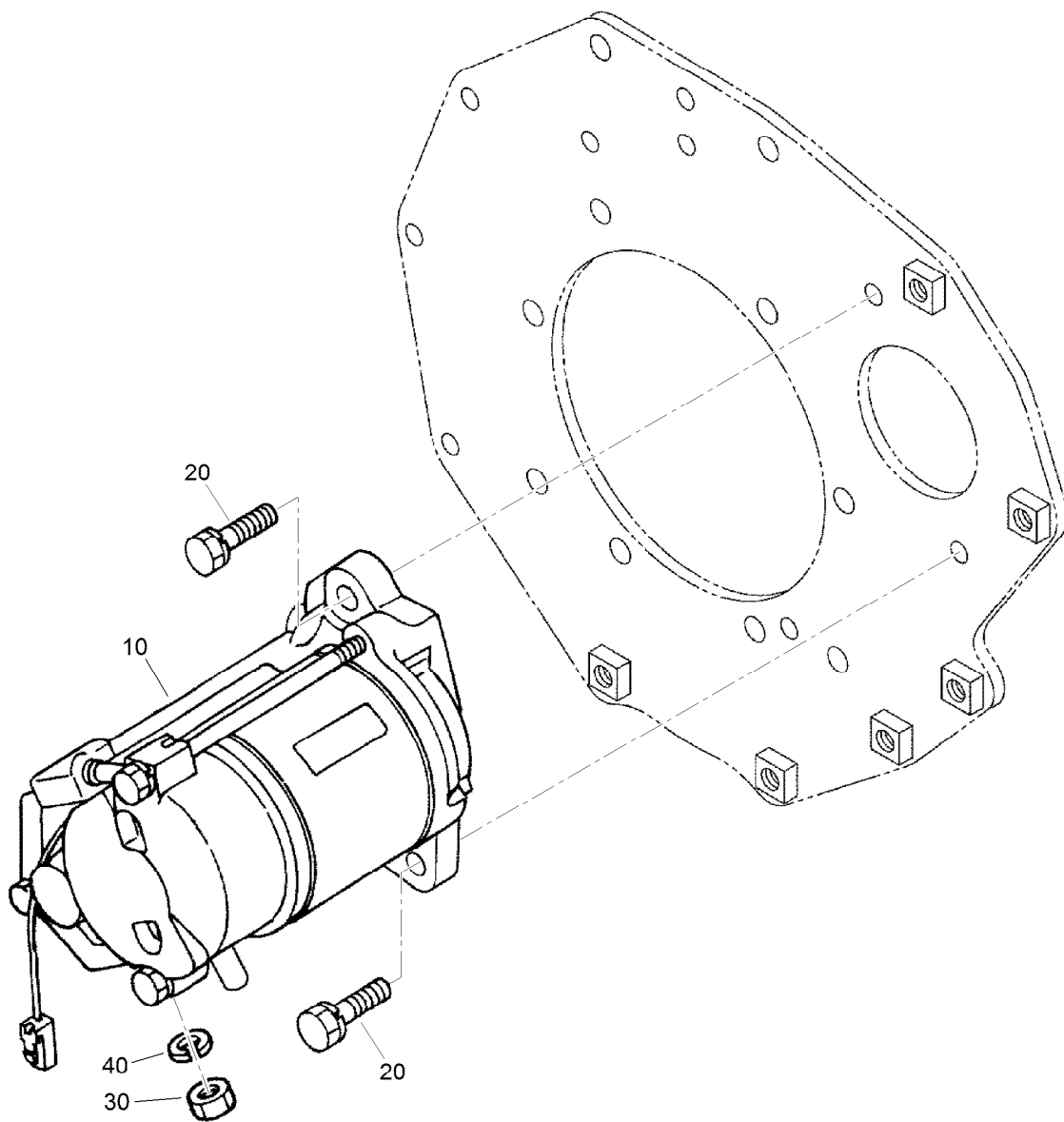
Ref.	Part Number	Qty.	Description
110	98-7610	2	Bolt
120	130-1270	1	Fuel Pipe ASM
130	130-1172	1	Tube-Fuel
140	100-2217	2	Clip-Pipe
150	130-1222	1	Pipe-Fuel
160	98-7616	4	Clip-Pipe
170	130-1330	1	Pipe-Over Flow, Fuel
180	98-7672	6	Clip-Pipe



Alternator Components Assembly

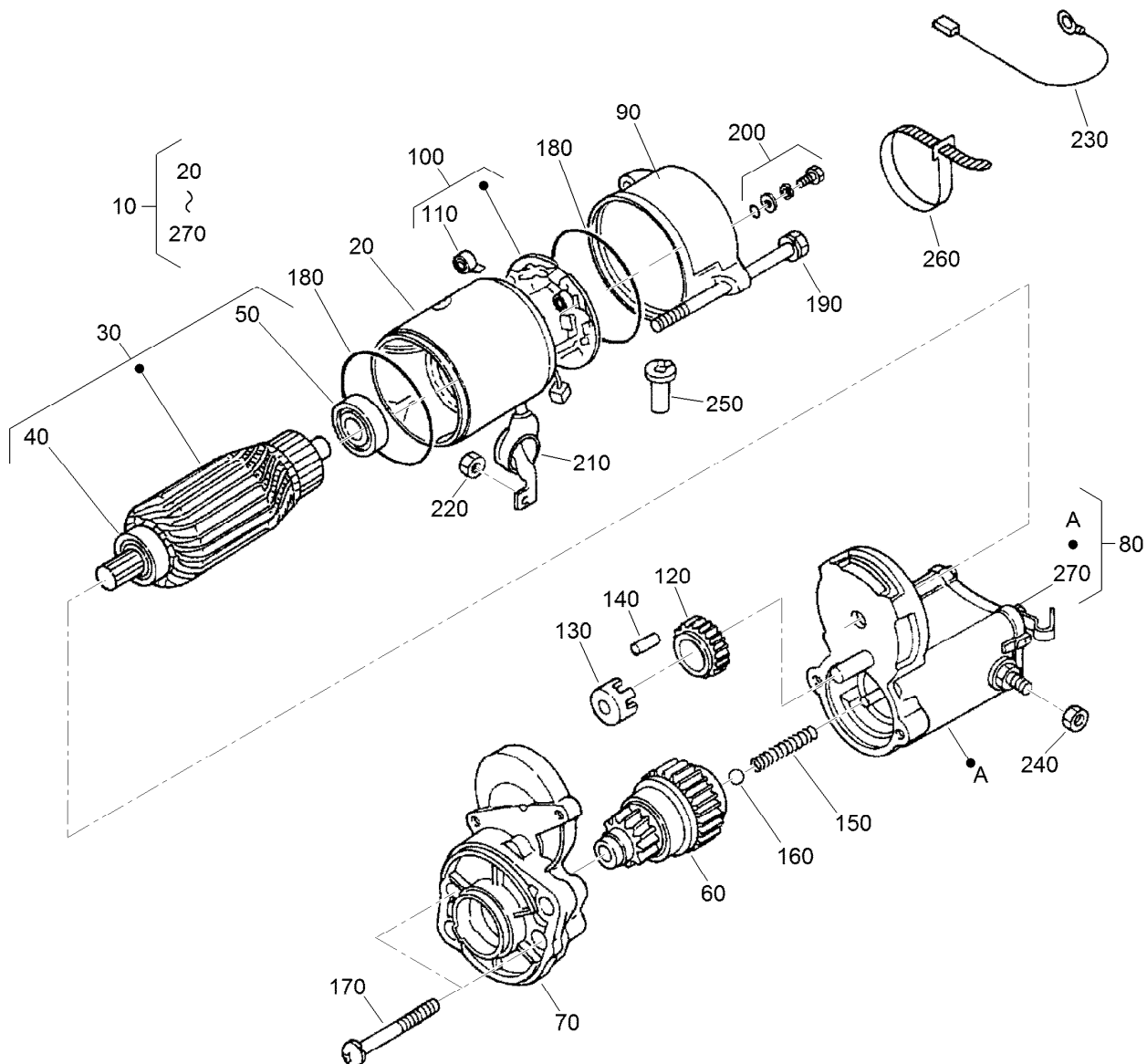
Ref.	Part Number	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	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

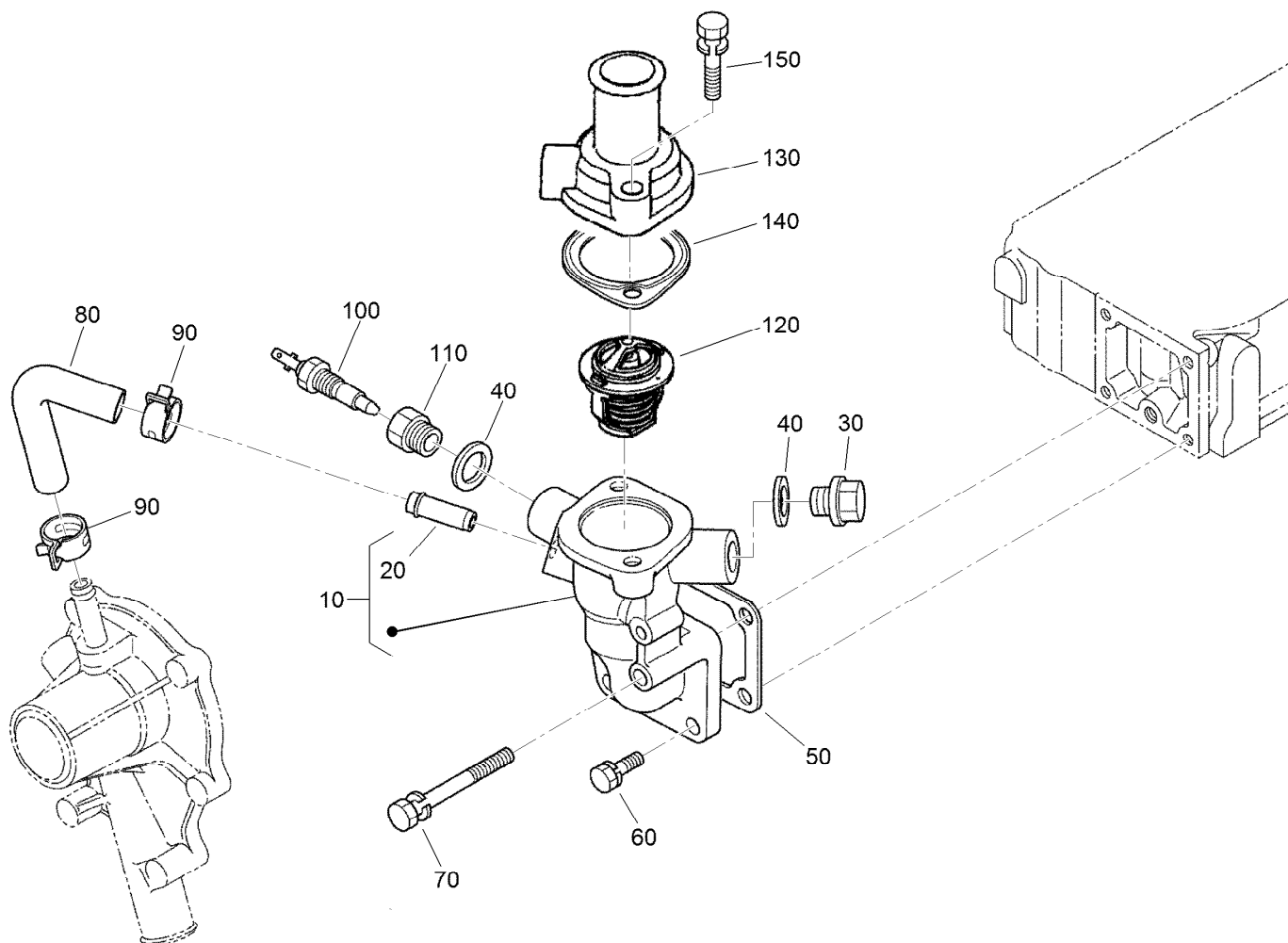
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	98-7697	2	Bolt
30	98-7739	1	Nut
40	105-2893	1	Washer-Spring



Starter (Component Part) Assembly

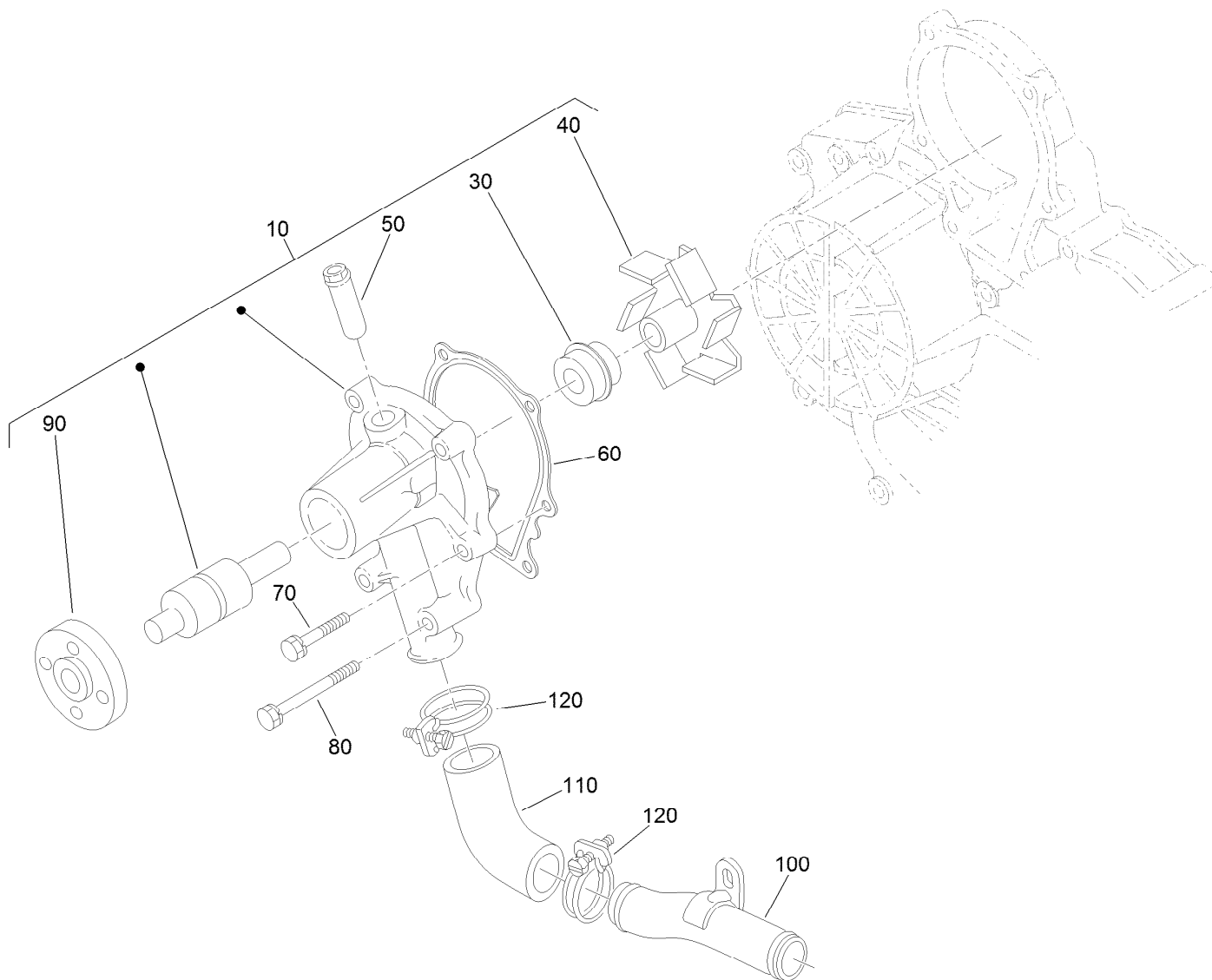
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM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



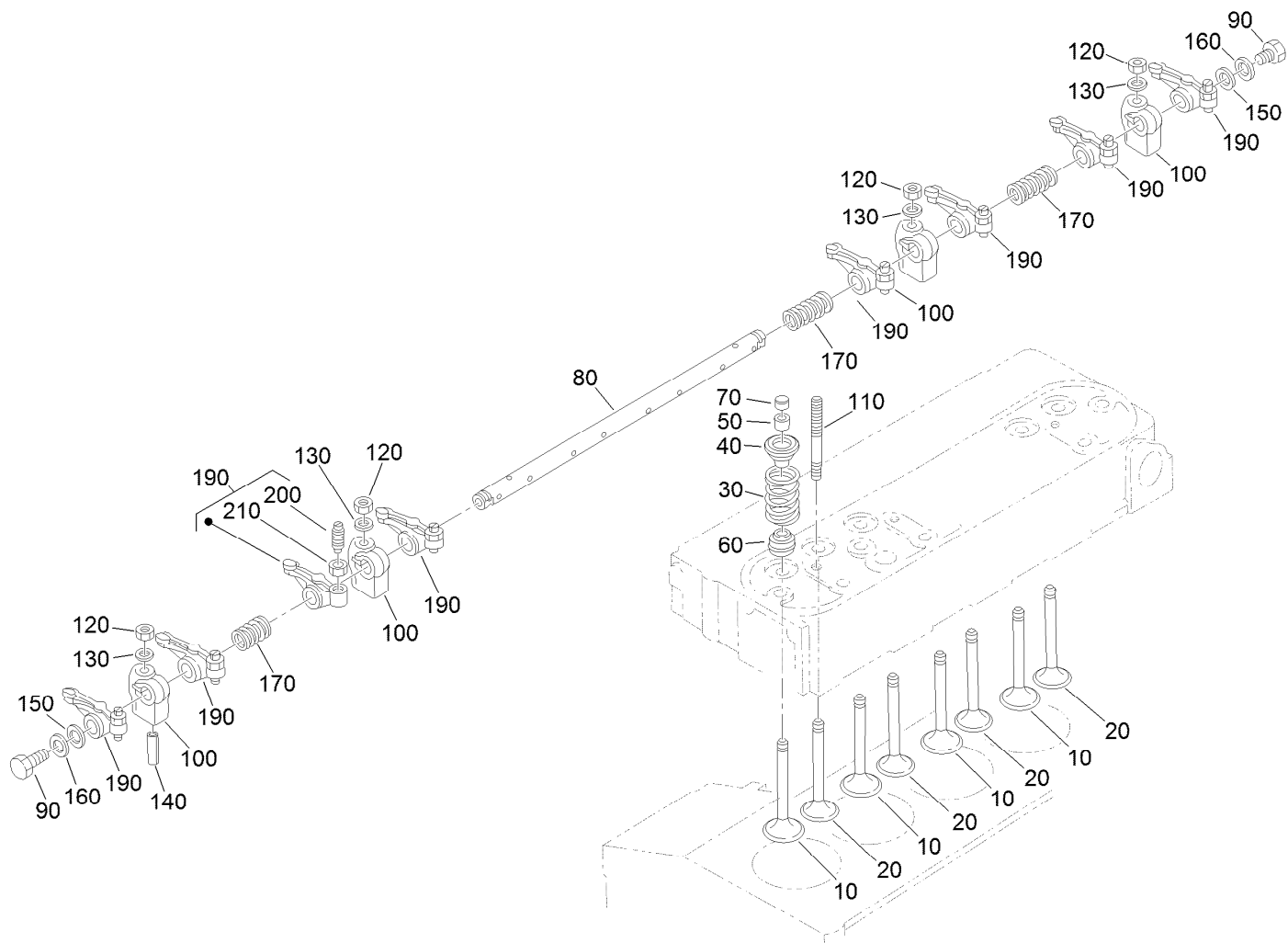
Water Flange and Thermostat Assembly

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

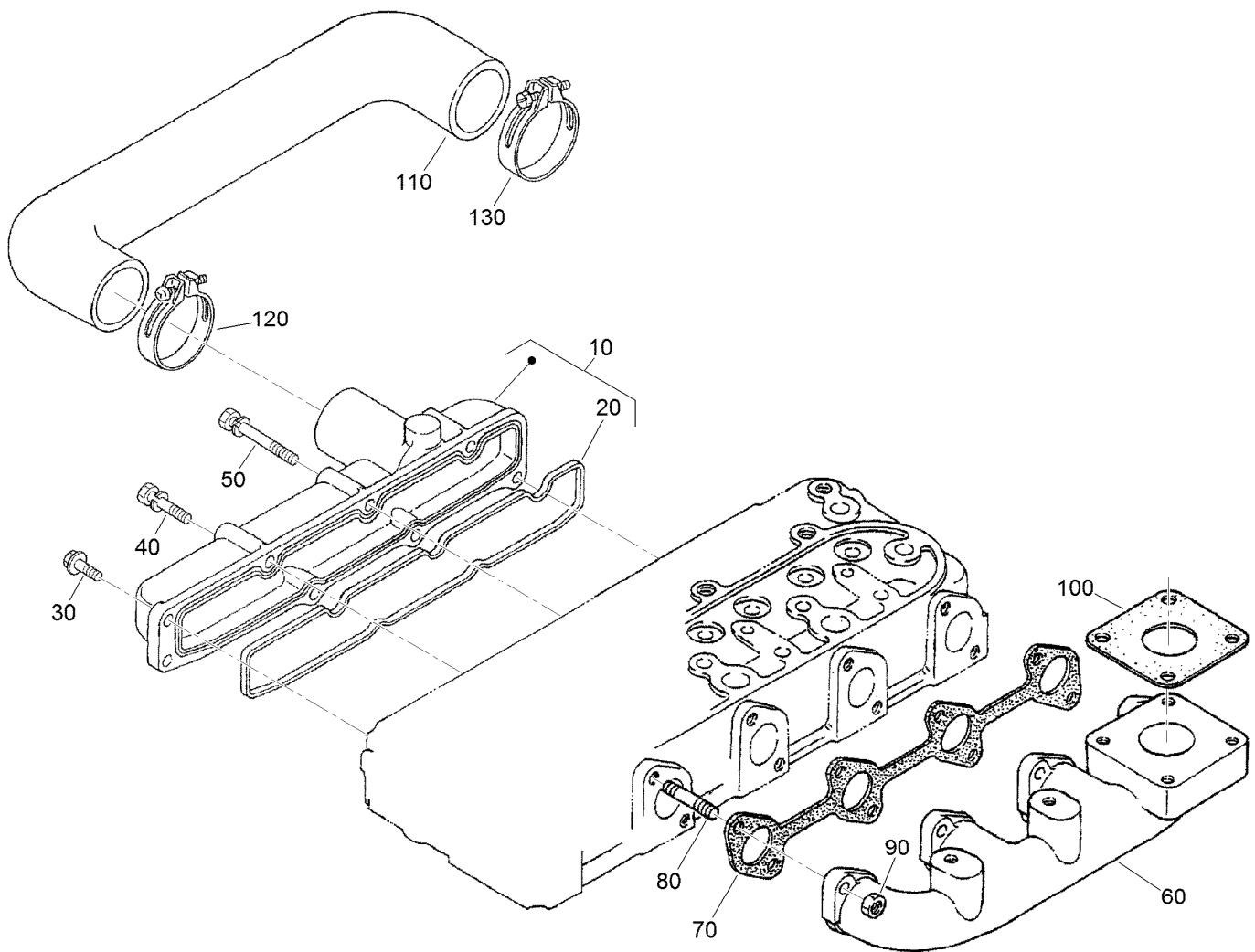
Ref.	Part Number	Qty.	Description
10	107-9089	1	Water Pump ASM
30	105-3750	1	Mechanical Seal ASM
40	112-7017	1	Impeller-Pump, Water
50	100-1932	1	Pipe-Return, Water
60	99-3454	1	Gasket-Pump, Water
70	98-9353	4	Bolt
80	107-9090	2	Bolt
90	99-3516	1	Flange-Pump, Water
100	98-9716	1	Pipe-Water
110	107-9091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



Valve and Rocker Arm Assembly

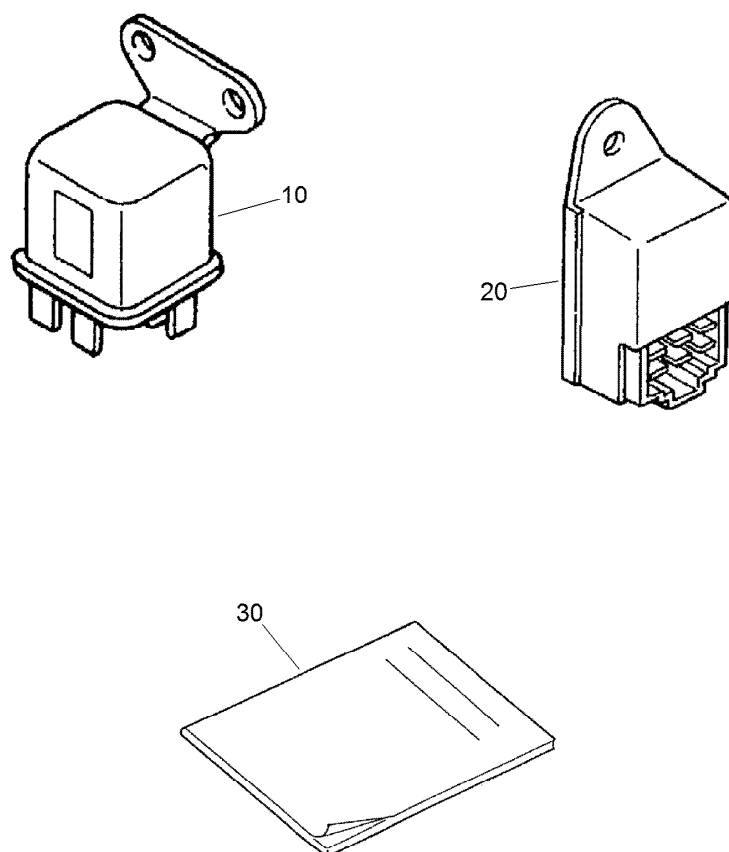
Ref.	Part Number	Qty.	Description
10	112-7018	4	Valve-Inlet
20	120-2564	4	Valve-Exhaust
30	98-9648	8	Spring-Valve
40	107-9092	8	Retainer-Spring
50	117-7572	8	Collet-Spring, Valve
60	99-8385	8	Seal-Stem, Valve
70	98-9497	8	Cap-Valve
80	127-0420	1	Shaft-Arm, Rocker
90	99-8363	2	Bolt-Flange
100	98-9505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

Product Name	Model/Part
Deluxe Replacement PVC Air Seat	02865
Deluxe Replacement Fabric Air 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
LSD Lock Kit	02904
ROPS Assist Kit.....	02905
Waste Bin Kit	02906
Kevlar Tyre Kit	02914
Road Lights Kit W/Brake Lights	02917
Blower Carrier Kit.....	02921
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.....	111-6190
Base 62 Inch Mower	30645
Base 72 Inch Mower	30646



Count on it.