



4304455-Rev A



Engine Parts Manual

Kubota Diesel Engine

Z482-E4B-TXRN-1 – Jacobsen Eclipse® 322

WARNING

If incorrectly used, this machine can cause severe injury. Those who use and maintain this machine should be trained in its proper use, warned of its dangers and should read the entire manual before attempting to set up, operate, adjust, or service the machine.



When Performance Matters.™

GB

FOREWORD

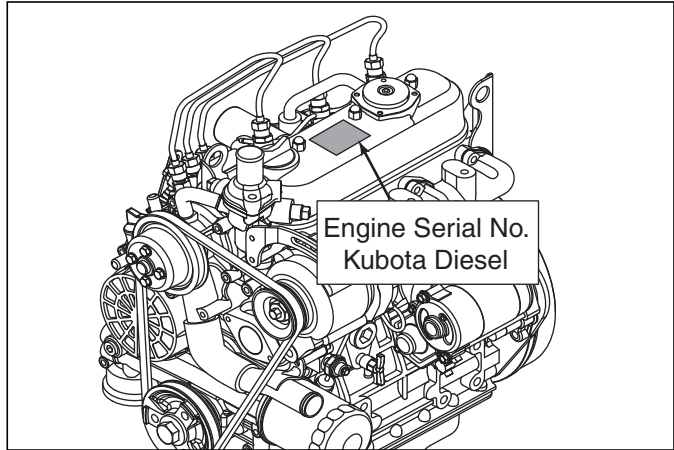
This manual contains a parts list for your Kubota Engine.

The Engine Serial Number for the Kubota engine is on a plate located on the valve cover.

Record the Engine Serial Number below for easy reference.

Engine Serial Number: _____

If additional information is needed, contact your Jacobsen Dealer.



Suggested Stocking Guide

To Keep your Equipment fully operational and productive, Jacobsen suggests you maintain a stock of the more commonly used maintenance items. We have included part numbers for additional support materials and training aids.

To order any of the following material:

1. Write your full name and complete address on your order form.

2. Explain where and how to make shipment:

- UPS Regular Mail
 Overnight 2nd Day

3. Order by the quantity desired, the part number, and the description of the part.
4. Send or bring the order to your authorized Jacobsen Dealer.

Service Parts

Qty.	Part No.	Description	Qty.	Part No.	Description
	5002644	Oil Filter Cartridge		4310345	Upper Gasket Kit
	550489	Fuel Filter Element		4209383	Lower Gasket Kit
	5000913	Air Filter Element			
	5001951	V-Belt			

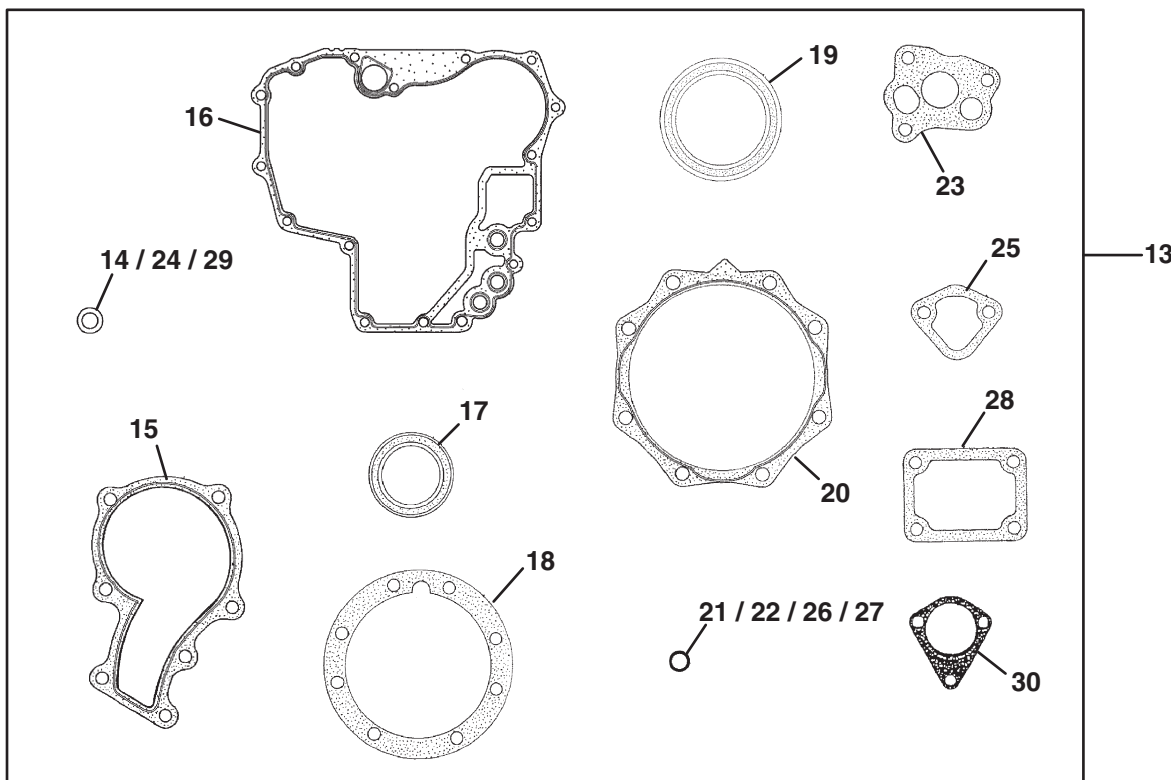
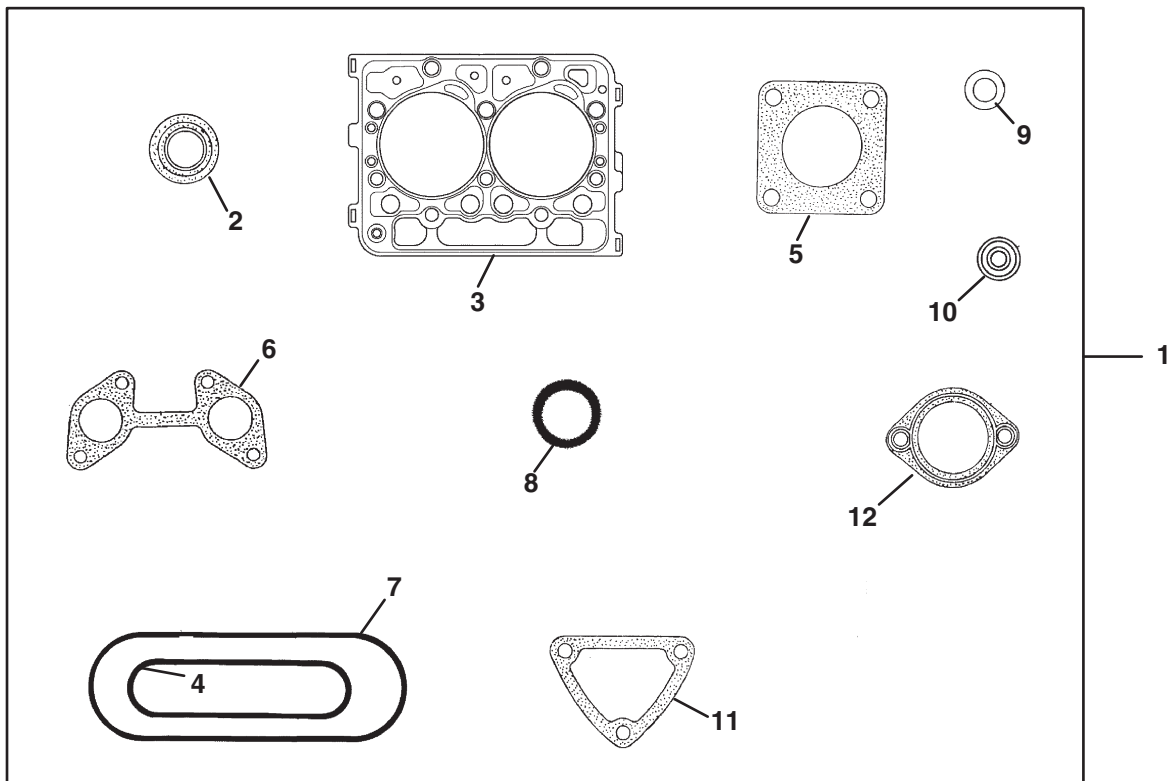
Proposition 65 Warning

This product contains or emits chemicals known to State of California to cause cancer and birth defects or other reproductive harm.

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1.1 Gasket Kits



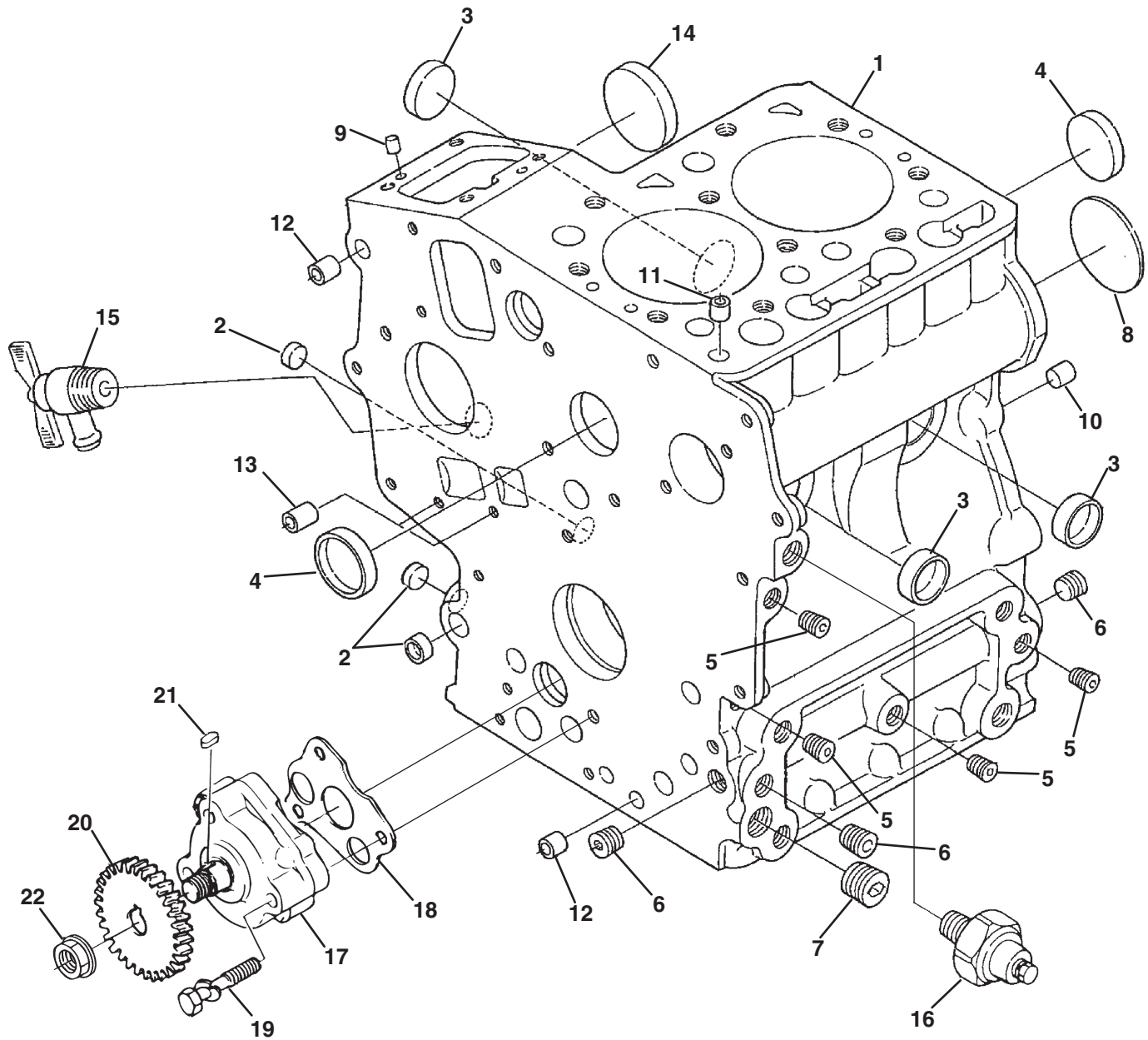
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4310345	1	Kit Gasket, Upper	
2	5001981	4	• Seal, Valve Stem	See 5.1
3	4310329	1	• Gasket, Cylinder Head	See 4.1
4	4215724	1	• Gasket, In-manifold	See 29.1
5	553020	1	• Gasket, Muffler Na	See 31.1
6	4216060	1	• Gasket, Ex-manifold	See 31.1
7	4216290	1	• Gasket, Head Cover	See 6.1
8	4306378	1	• O Ring	See 6.1
9	554051	2	• Gasket	See 18.1
10	557352	2	• Seal, Heat	See 18.1
11	554082	1	• Gasket, Water Flange	See 24.1
12	4145869	1	• Gasket, Thermostat	See 24.1
13	4209383	1	Kit Gasket, Lower	
14	4183640	1	• Gasket	See 4.1
15	5001962	1	• Gasket, Water Pump	See 25.1
16	4209349	1	• Gasket, Gear Case	See 8.1
17	4310330	1	• Seal, Oil	See 8.1
18	5001884	1	• Gasket, Bearing Case	See 9.1
19	554222	1	• Seal, Oil	See 9.1
20	5001422	1	• Gasket, Case Cover	See 9.1
21	4145665	1	• O Ring	See 11.1
22	4145653	1	• O Ring	See 3.1
23	5001864	1	• Gasket, Oil Pump Na	See 2.1
24	553143	1	• Gasket	See 15.1
25	5001922	1	• Gasket, Fuel Pump	See 20.1
26	4146066	1	• O Ring	See 17.1
27	4138008	1	• O Ring	See 17.1
28	554073	1	• Gasket, Control Plate	See 17.1
29	553143	2	• Gasket	See 18.1
30	Not Used	1	• Gasket, H/m Gear Case	Not Used On this Engine

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KUBOTA Z482-E4B

Serial No. All

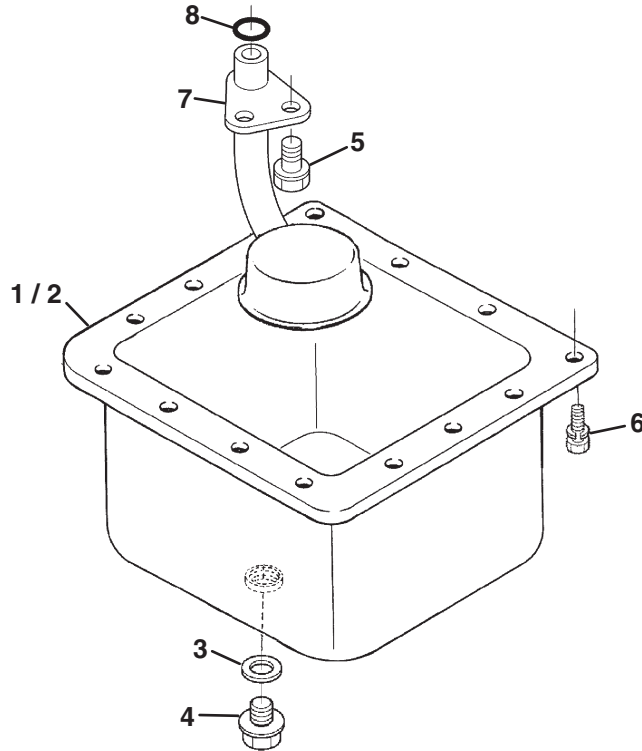
2.1 Crankcase



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4310327	1	Comp.crankcase	
2	2810931	3	• Cap, Sealing	
3	5001861	3	• Cap, Sealing	
4	553911	2	• Cap, Sealing	
5	552978	4	• Plug	
6	552950	3	• Plug	
7	552951	1	• Plug	
8	4145733	1	• Plug, Expansion	
9	553857	2	• Pin, Straight	
10	4145688	2	• Pin, Straight	
11	552954	1	• Pin, Pipe	
12	554220	2	• Pin, Pipe	
13	554220	2	• Pin, Pipe	
14	5001863	1	• Cover, Fuel Camshaft	
15	4306369	1	Assy Cock, Drain	
16	554018	1	Switch, Oil	
17	544012	1	Assy Pump, Oil	
○ 18	5001864	1	Gasket, Oil Pump Na	
19	554098	3	Bolt	
20	4306885	1	Gear, Oil Pump Drive	
21	594372	1	Key, Feather	
22	5001865	1	Nut, Flange	
○	Included in Lower Gasket Kit 4209383			

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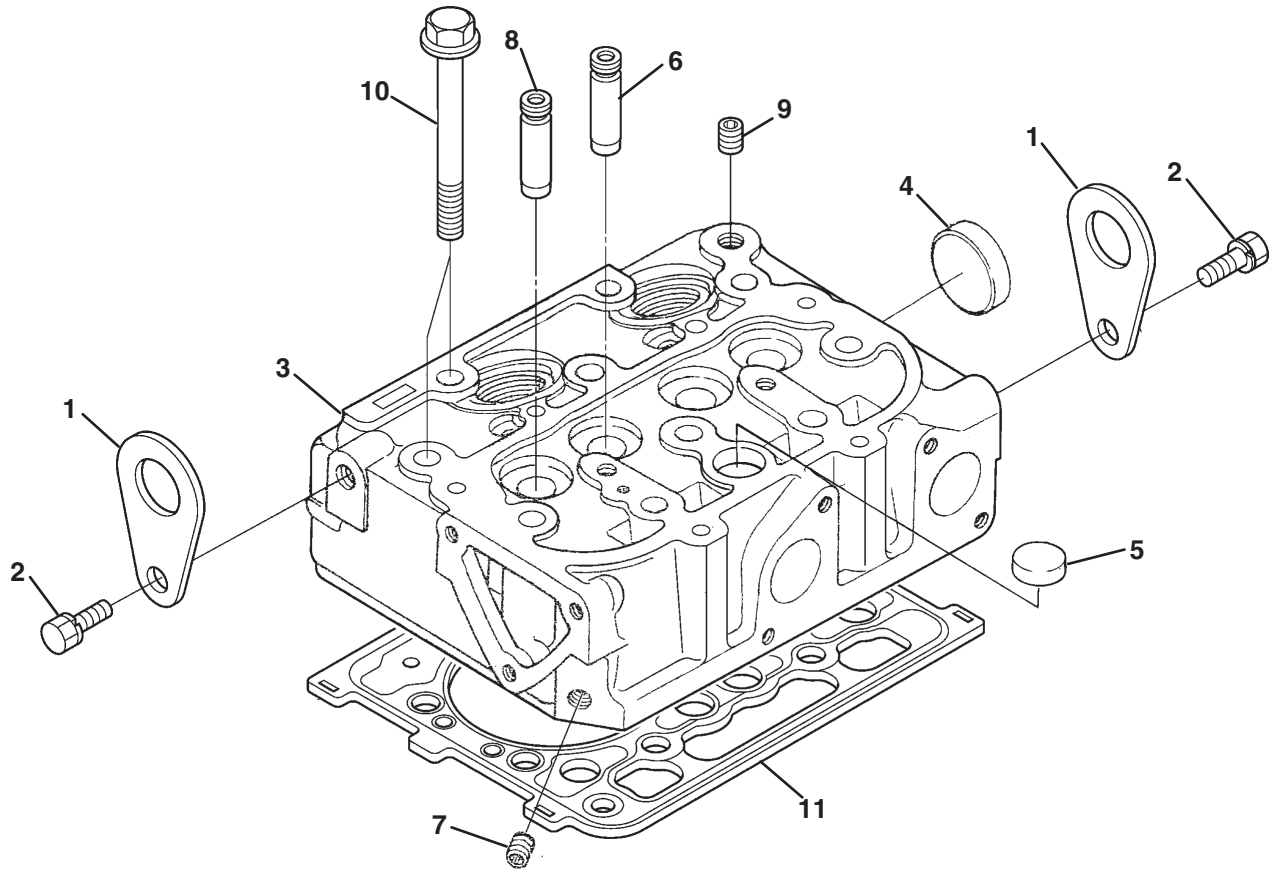
3.1 Oil Pan



Item	Part No.	Qty.	Description	Serial Numbers/Notes
	1	1	Kit Oil Pan	
	2	1	• Comp. Oil Pan	
○	3	1	• Gasket, Oil Pan	
	4	1	• Plug, Drain	
	5	1	Bolt	
	6	14	Bolt	
	7	1	Filter, Oil	
○	8	1	O Ring	
○	Included in Lower Gasket Kit 4209383			

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4.1 Cylinder Head



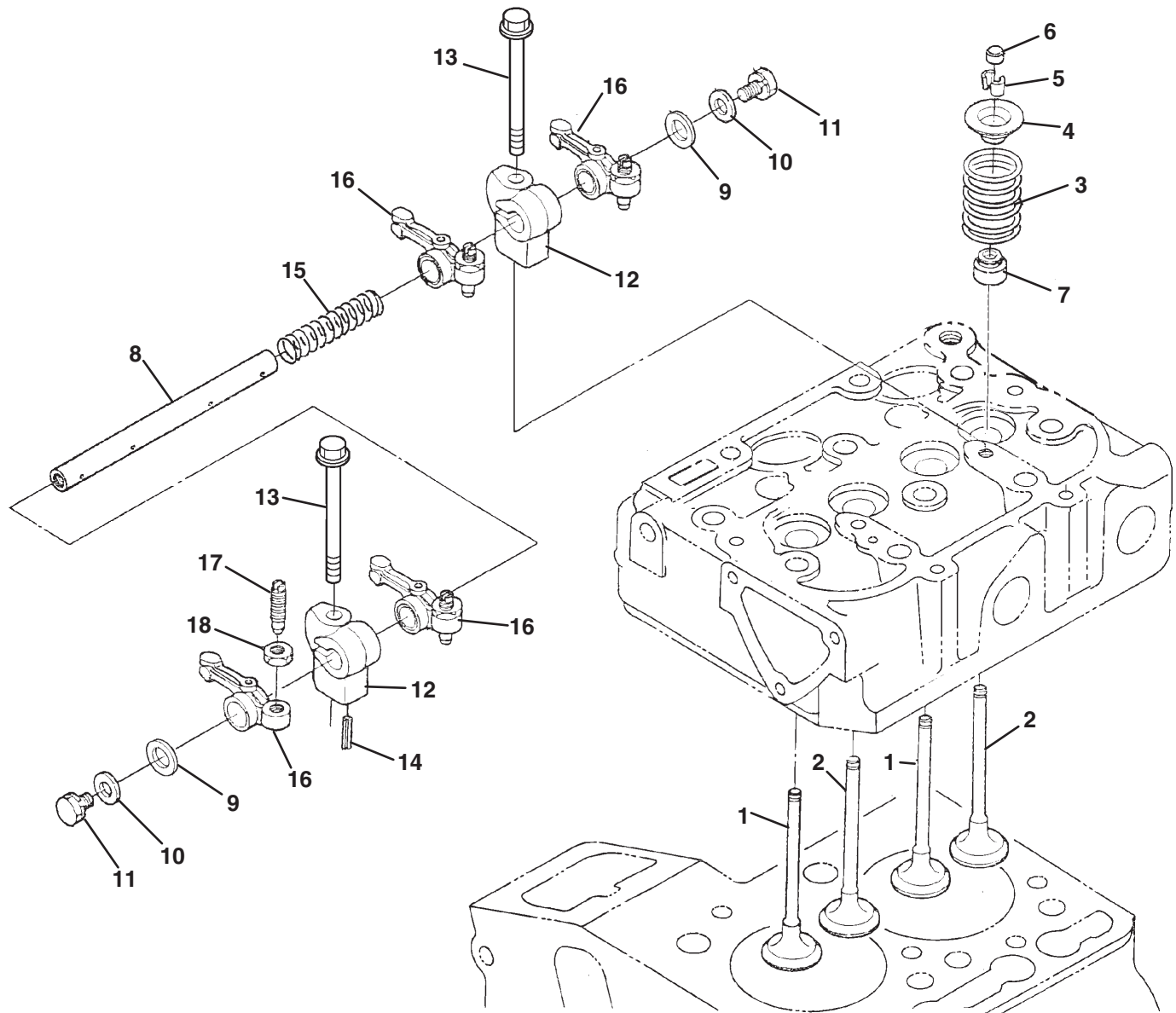
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	553934	2	Hook, Engine	
2	4289891	2	Bolt	
3	4310328	1	Comp. Cylinder Head	
4	550673	1	• Cap, Sealing	
5	2500888	1	• Cap, Sealing	
6	553954	2	• Guide, Exhaust Valve	
7	552978	1	• Plug	
8	553953	2	• Guide, Inlet Valve	
9	554115	1	Plug	
10	553867	10	Bolt, Cylinder Head	
● 11	4310329	1	Gasket, Cylinder Head	
●	Included in Upper Gasket Kit 4310345			

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KUBOTA Z482-E4B

5.1 Valve and Rocker Arm

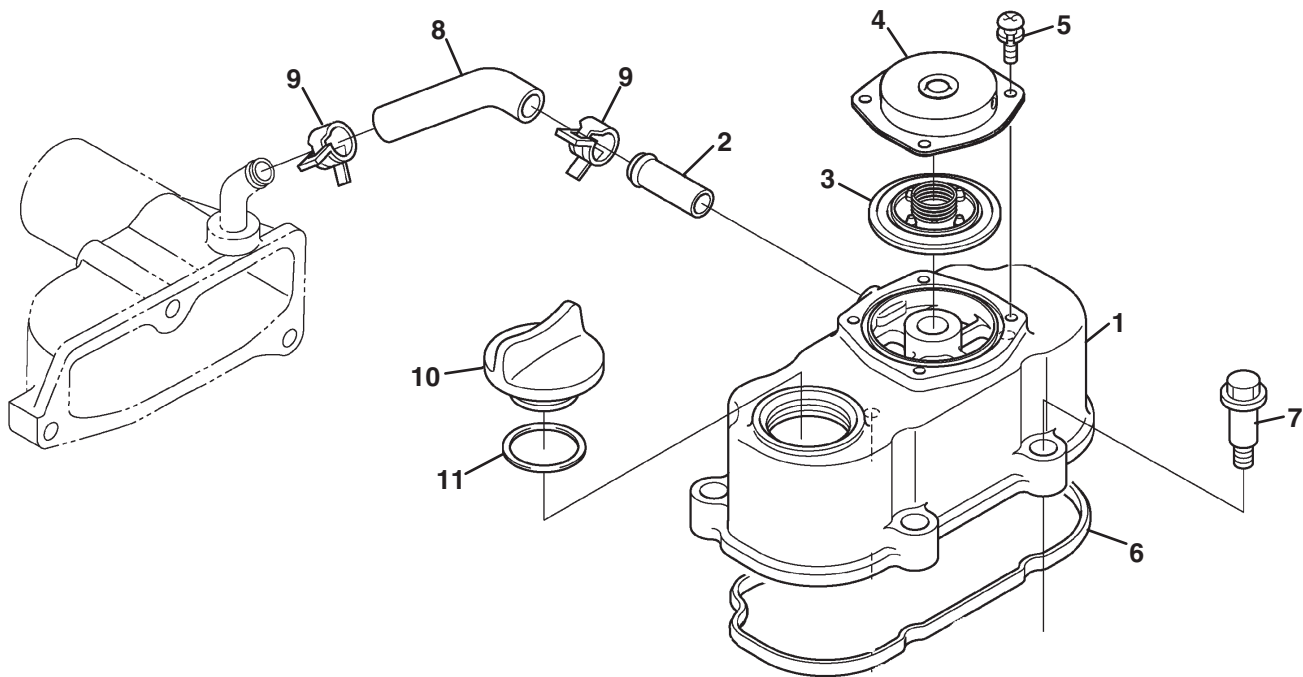
Serial No. All



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4209378	2	Valve, Inlet	
2	4209379	2	Valve, Exhaust	
3	557546	4	Spring, Valve	
4	553872	4	Retainer, Spring	
5	4310342	4	Collet, Valve Spring	
6	553871	4	Cap, Valve	
● 7	5001981	4	Seal, Valve Stem	
8	4215725	1	Shaft, Rocker Arm	
9	5001982	2	Washer	
10	554108	2	Washer, Plain	
11	4310341	2	Bolt	
12	4145928	2	Bracket, Rocker Arm	
13	4145650	2	Bolt, Flange	
14	550425	1	Pin, Spring	
15	553875	1	Spring, Rocker Arm	
16	553955	4	Assy Rocker Arm	
17	553957	4	• Screw, Adjusting	
18	553874	4	• Nut	
●	Included in Upper Gasket Kit			

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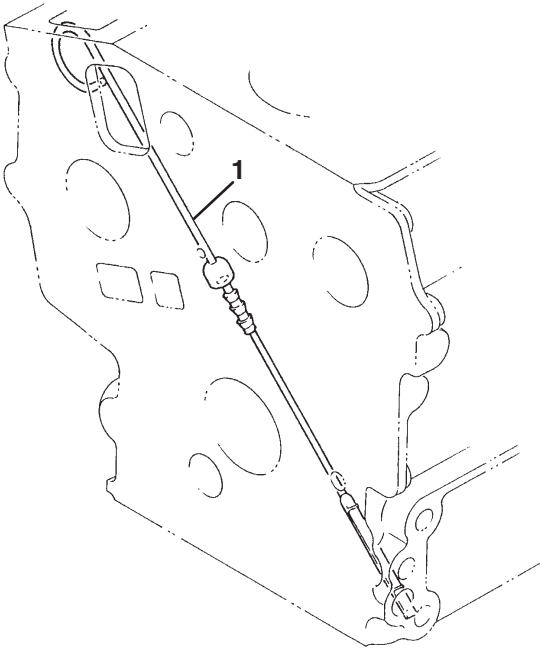
6.1 Cylinder Head Cover



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4216289	1	Assy Cover, Cyl. Head	
2	4134380	1	• Pipe, Water Return	
3	4145912	1	• Comp. Valve, Breather	
4	4145911	1	• Cover, Breather	
5	550400	4	• Screw, With Washer	
● 6	4216290	1	• Gasket, Head Cover	
7	4134209	4	Bolt	
8	4216301	1	Tube, Breather	
9	4145691	2	Clamp, Hose	
10	4145944	1	Plug, Oil Filler	
● 11	4306378	1	O Ring	
●	Included in Upper Gasket Kit 4310345			

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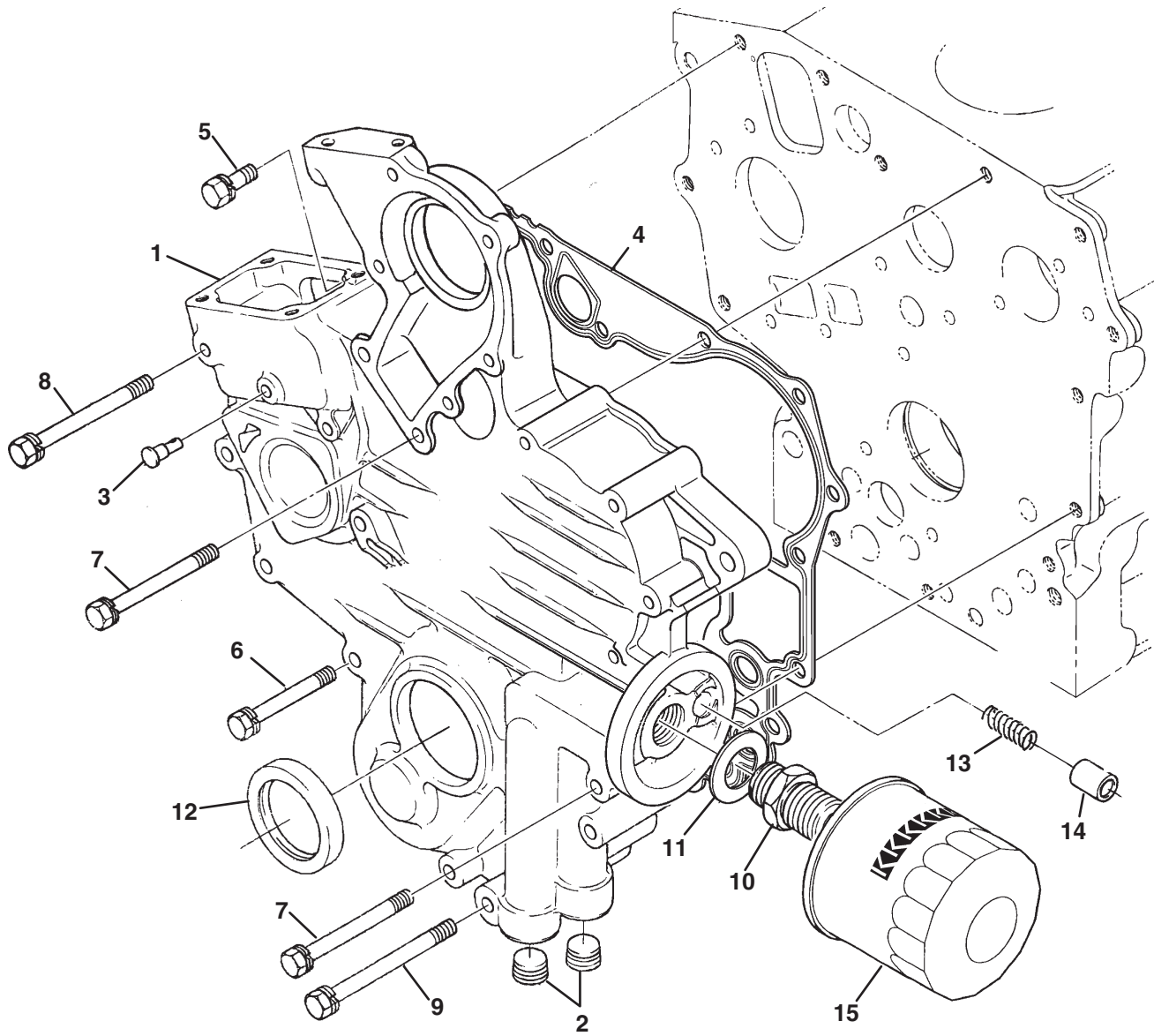
7.1 Oil Gauge



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4310332	1	Gauge, Oil	
2	4111662	1	Guide, Oil Gauge (Not Shown)	

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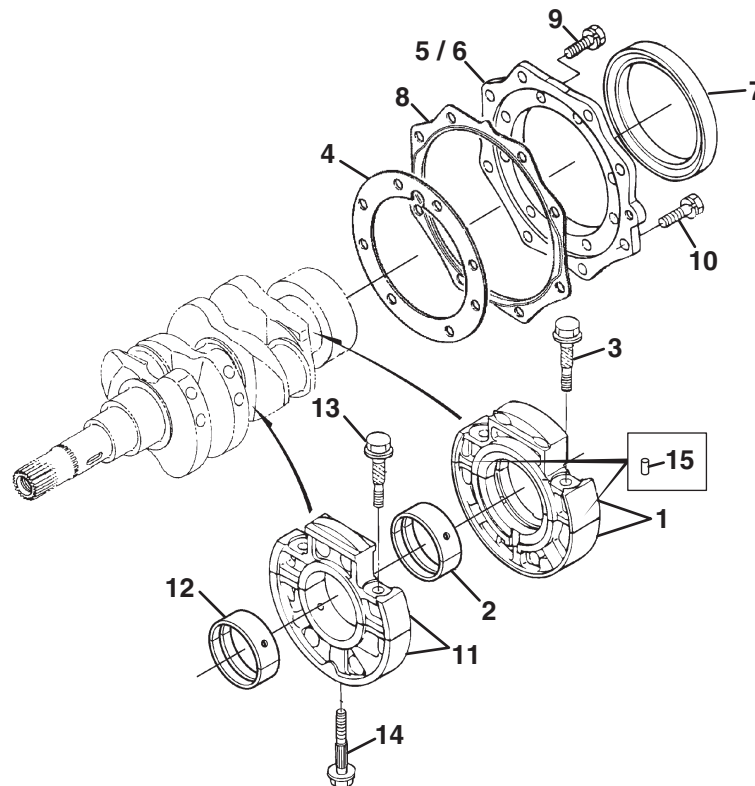
8.1 Gear Case



Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1	4216241	1	Comp. Case, Gear	
	2	552951	2	• Plug	
	3	554069	1	• Pin, Start Spring	
○	4	4209349	1	Gasket, Gear Case	
	5	557366	1	Bolt	
	6	553842	8	Bolt	
	7	554094	5	Bolt	
	8	5001876	1	Bolt	
	9	834259	1	Bolt	
	10	2500892	1	Joint, Pipe	
	11	554107	1	Washer, Plain	
○	12	4310330	1	Seal, Oil	
	13	4310331	1	Spring	
	14	4306374	1	Valve, Relief	
	15	5002644	1	Cartridge, Oil Filter	
○	Included in Lower Gasket Kit 4209383				

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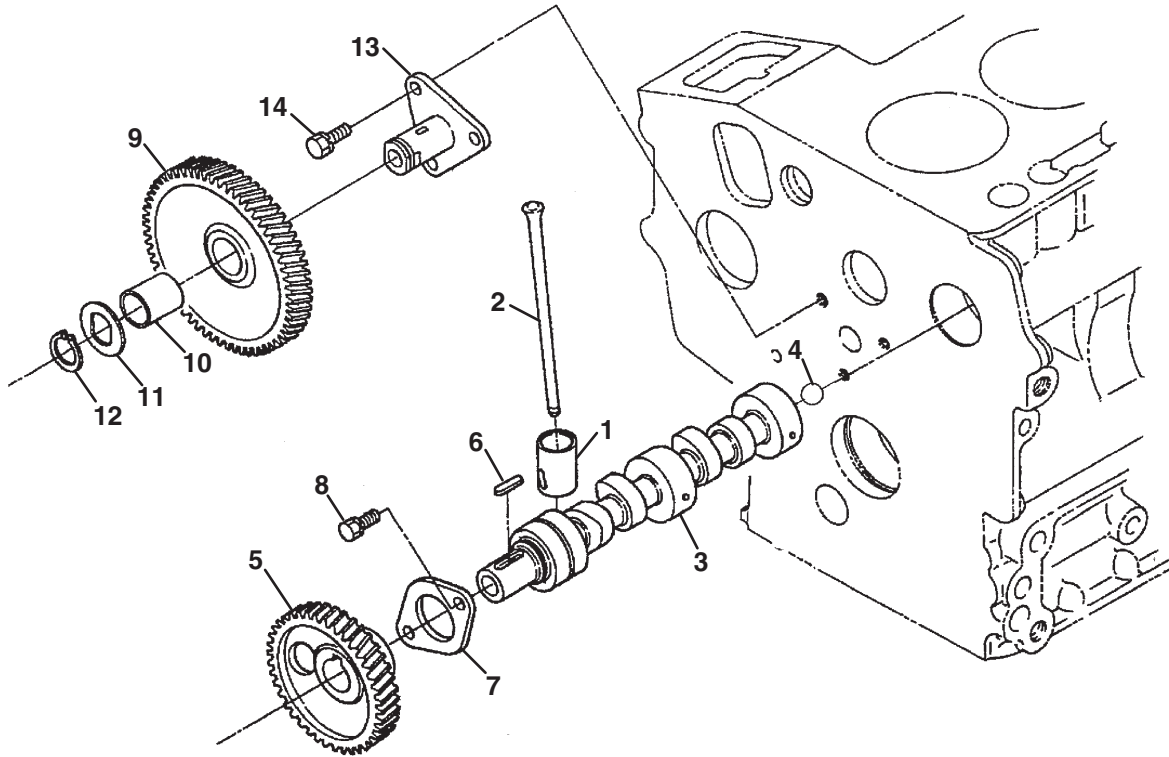
9.1 Main Bearing Case



Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1	4306886	1	Assy Brg. Case, Wheel	
	2	550605	1	Metal, Crankshaft	STD Set, See 11.1
	2	5001915	1	Metal, Crankshaft	-0.20 mm Set, See 11.1
	2	5001916	1	Metal, Crankshaft	-0.40 mm Set, See 11.1
	3	4136245	2	Bolt, Bearing Case	
○	4	5001884	1	Gasket, Bearing Case	
	5	557537	1	Assy Cover, Brg. Case	
	6	553942	1	Cover, Bearing Case	
○	7	4209375	1	Seal, Oil	
○	8	5001422	1	Gasket, Case Cover	
	9	553840	8	Bolt	
	10	553840	8	Bolt	
	11	4306888	1	Assy Brg. Case, Main	
	12	4306889	1	Metal, Crankshaft	STD Set, See 11.1
	12	5001912	1	Metal, Crankshaft	-0.20 mm Set, See 11.1
	12	5001913	1	Metal, Crankshaft	-0.40 mm Set, See 11.1
	13	553940	2	Bolt, Bearing Case	
	14	557536	1	Bolt, Bearing Case	
	15	4306887	2	Pin, Straight	
○	Included in Lower Gasket Kit 4209383				

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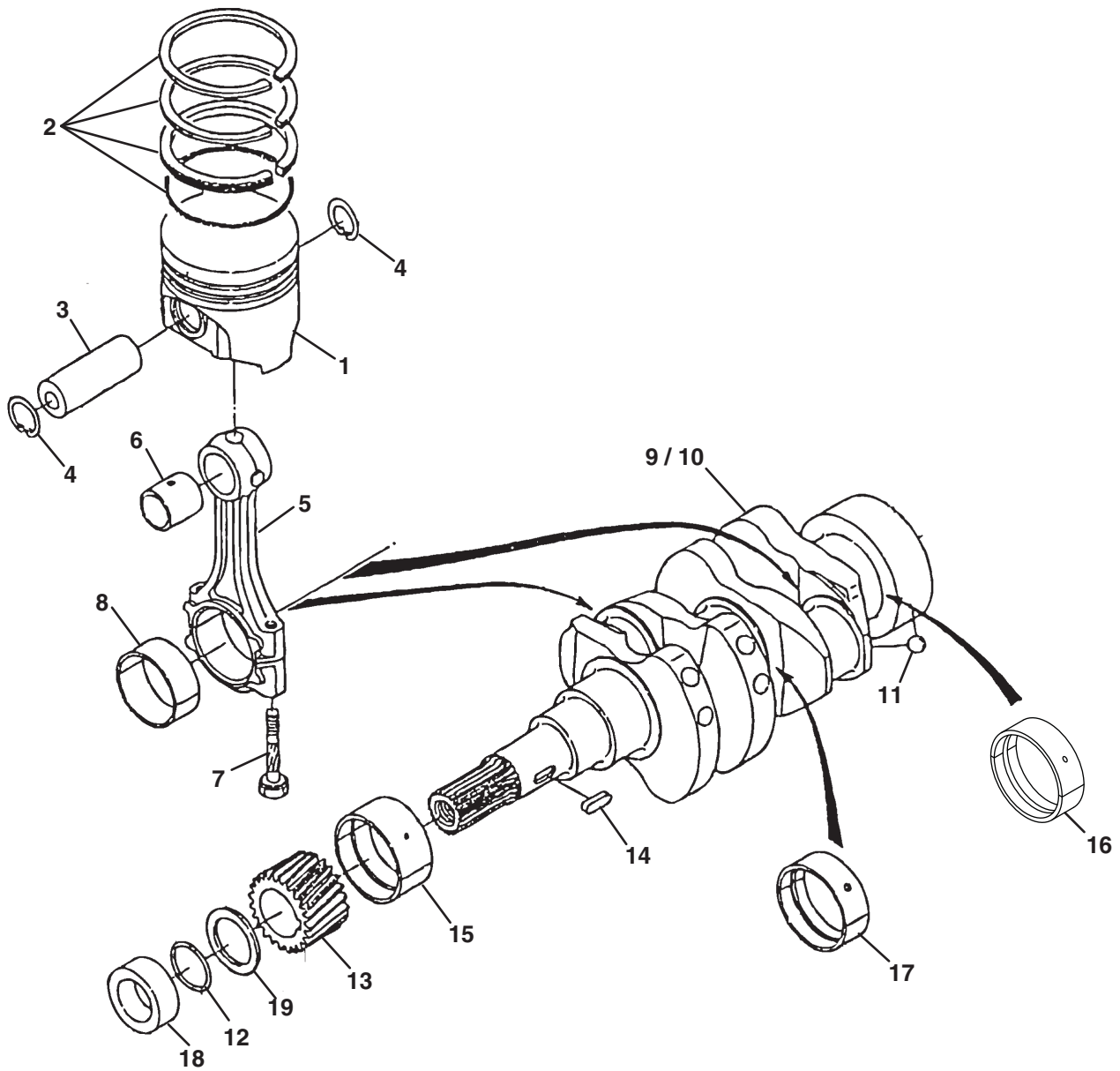
10.1 Camshaft and Idle Gear Shaft



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5001889	4	Tappet	
2	5001890	4	Push Rod	
3	4310333	1	Assy Camshaft	
4	2500953	1	• Ball	
5	4306894	1	• Gear, Cam	
6	553860	1	• Key, Feather	
7	553996	1	• Stopper, Camshaft	
8	550360	2	Bolt	
9	5001894	1	Comp. Gear, Idle	
10	4216160	1	• Bush	
11	554218	1	Collar, Idle Gear	
12	554216	1	Ring, Snap	
13	554215	1	Shaft, Idle Gear	
14	4138249	3	Bolt	

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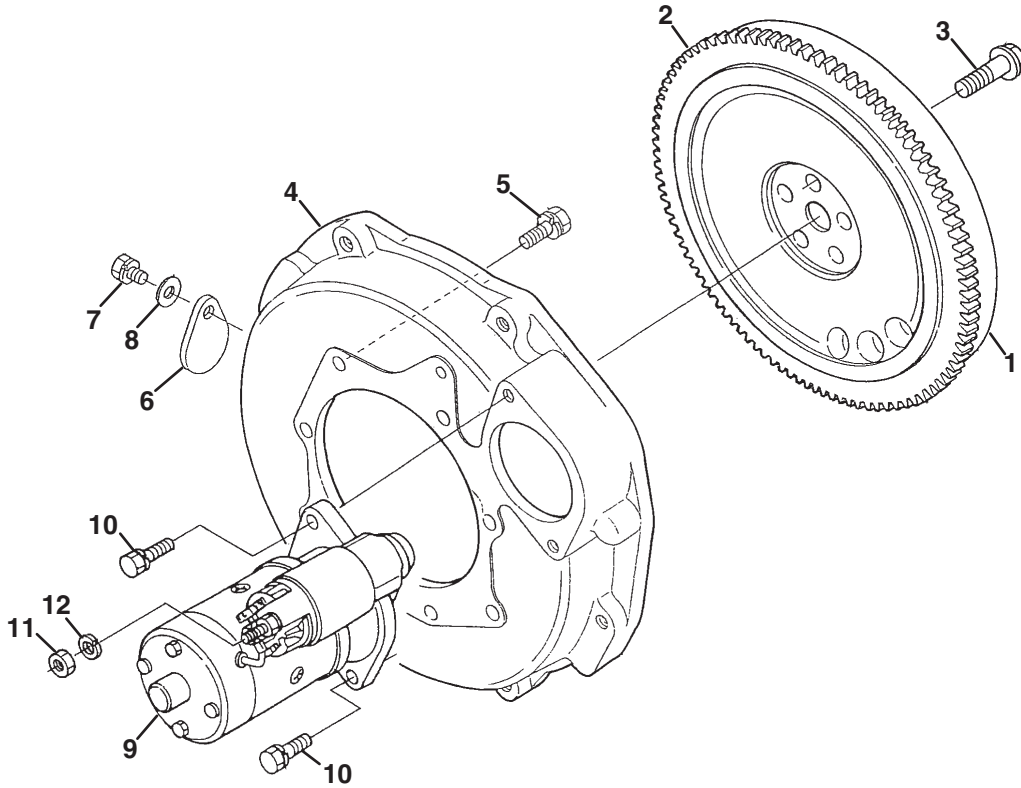
11.1 Piston and Crankshaft



Item	Part No.	Qty.	Description	Serial Numbers/Notes	
❖	1	4306895	2	Piston	STD
★	1	4306896	2	Piston	+0.50 mm
❖	2	4306898	2	Assy Piston Ring	STD
★	2	4306899	2	Assy Piston Ring	+0.50 mm
❖★	3	4145884	2	Pin, Piston	
❖★	4	550597	4	Cir Clip, Piston Pin	
	5	5001902	2	Assy Rod, Connecting	
❖★	6	5001903	2	• Bush, Piston Pin	
	7	553974	4	• Bolt, Connecting Rod	
▲	8	553975	2	• Metal, Crankpin M	STD Set
■	8	5001905	2	Metal, Crankpin	-0.20 mm Set
◆	8	5001906	2	Metal, Crankpin	-0.40 mm Set
	9	4216141	1	Assy Crankshaft	
	10	4216082	1	• Comp. Crankshaft	
	11	5001908	2	• • Ball	
○	12	4145665	1	O Ring	○
	13	554007	1	Gear, Crank	
	14	550428	1	Key, Feather	
▲	15	553980	1	Metal, Crankshaft	STD Set
■	15	5001909	1	Metal, Crankshaft	-0.20 mm Set
◆	15	5001910	1	Metal, Crankshaft	-0.40 mm Set
▲	16	550605	1	Metal, Crankshaft	STD Set
■	16	5001915	1	Metal, Crankshaft	-0.20 mm Set
◆	16	5001916	1	Metal, Crankshaft	-0.40 mm Set
▲	17	4306889	1	Metal, Crankshaft	STD Set
■	17	5001912	1	Metal, Crankshaft	-0.20 mm Set
◆	17	5001913	1	Metal, Crankshaft	-0.40 mm Set
	18	553978	1	Collar, Crankshaft	
	19	557553	1	Slinger, Oil	
○	Included in Lower Gasket Kit 4209383				
❖	4306914	1	Kit, Piston-Ring	STD	
★	4306915	1	Kit, Piston-Ring	+0.50 mm	
▲	4216291	1	Kit, Engine Metal	STD Set	
■	4216293	1	Kit, Engine Metal	-0.20 mm/+0.20 mm Set	
◆	4216294	1	Kit, Engine Metal	-0.40 mm/+0.40 mm Set	

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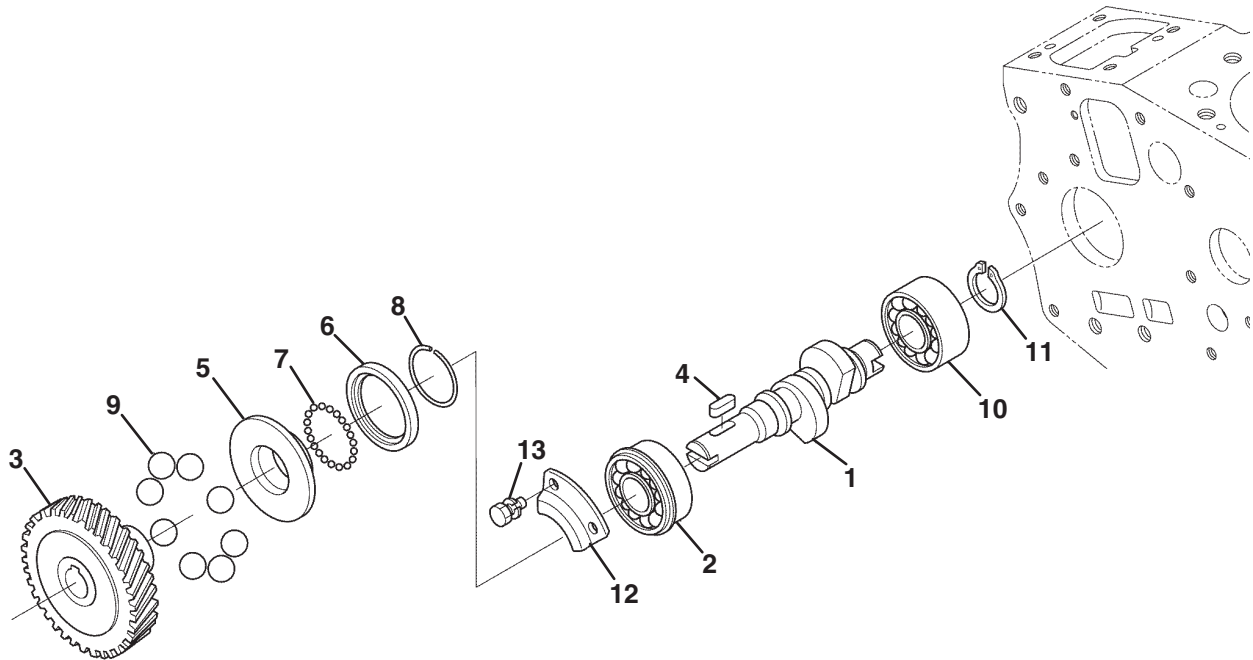
12.1 Flywheel and Starter



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4310334	1	Comp. Flywheel	
2	4306901	1	• Gear, Ring	
3	557555	5	Bolt, Flywheel	
4	4215902	1	Housing, Flywheel	
5	4113985	10	Bolt	
6	553102	1	Cover	
7	594338	1	Bolt	
8	4297105	1	Washer, Plain	
9	5002005	1	Assy Starter	
10	594331	2	Bolt	
11	550398	1	Nut	
12	5002002	1	Washer, Spring	

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13.1 Fuel Camshaft and Governor Shaft



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4310335	1	Assy Camshaft, Fuel	
2	4138061	1	• Bearing, Ball	
3	4310336	1	• Gear, Injection Pump	
4	550428	1	• Key, Feather	
5	554062	1	• Sleeve, Governor	
6	554063	1	• Case, Governor Ball	
7	553861	32	• Ball	
8	834485	1	• Cir-clip, Gov. Sleeve	
9	550434	8	• Ball	
10	4145886	1	Bearing, Ball	
11	553854	1	Cir Clip, External	
12	553997	1	Stopper, Fuel. C/shaft	
13	550360	2	Bolt	

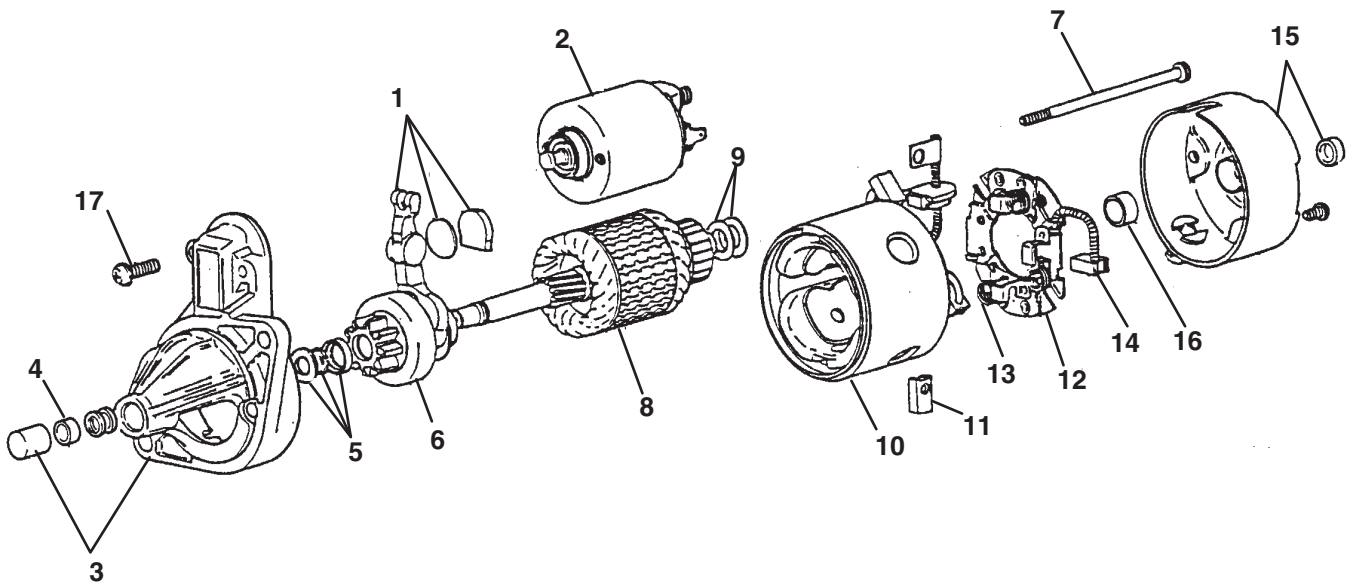
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KUBOTA Z482-E4B

Serial No. All

14.1 Starter Breakdown

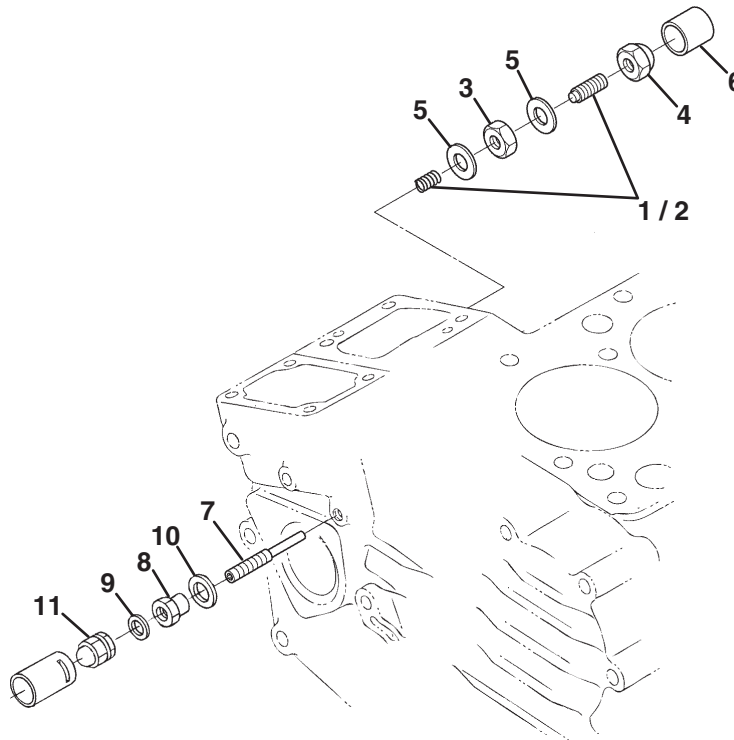
Part Number 5002005



Item	Part No.	Qty.	Description	Serial Numbers/Notes
	5002005	1	Assy Starter	
1	2501035	1	• Lever, Drive	
2	554166	1	• Switch, Magnetic	
3	5002026	1	• Frame, Drive End	
4	554174	1	• • Bush	
5	2501039	1	• Stopper	
6	2501040	1	• Clutch, Over Running	
7	4145896	2	• Bolt	
8	5002027	1	• Armature	
9	554181	1	• Washer, Adjusting	
10	5002028	1	• Yoke	
11	554177	2	• • Brush	
12	554179	1	• Holder, Brush	
13	554180	3	• • Spring, Brush	
14	554178	1	• • Brush	
15	4145895	1	• Frame, End	
16	554175	1	• • Bush	
17	554183	1	• Screw, Pan-head	

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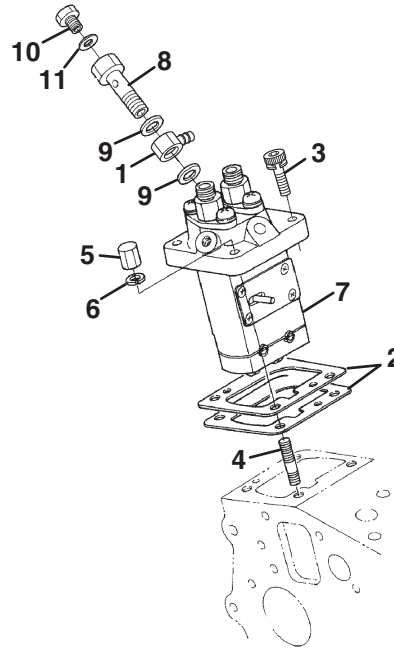
15.1 Idle Apparatus



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	554056	1	Assy Apparatus, Idle	
2	554057	1	• Assy Bolt, Adjustment	
3	550656	1	• Nut	
4	554059	1	• Nut	
5	552958	2	• Gasket	
6	4138096	1	Cap	
7	554058	1	Bolt, Adjusting	
8	4138090	1	Nut, Lock	
○ 9	553143	1	Gasket	
10	4145906	1	Gasket	
11	554105	1	Nut	
○	Included in Lower Gasket Kit 4209383			

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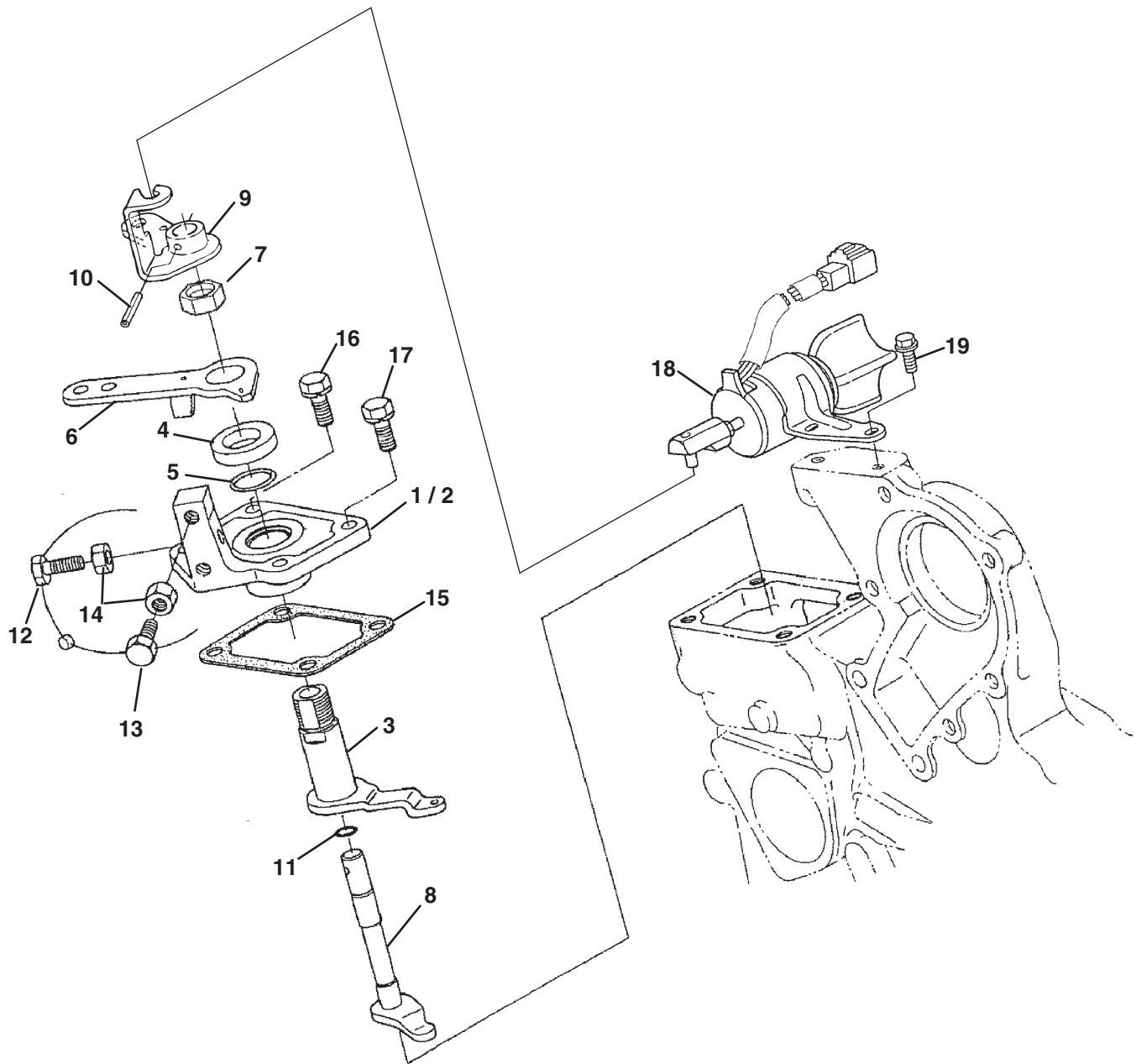
16.1 Injection Pump



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	554112	1	Joint	
2	4215906	1	Shim, Injection Pump	0.175 mm
2	4215920	1	Shim, Injection Pump	0.200 mm
2	4215940	1	Shim, Injection Pump	0.250 mm
2	4216284	1	Shim, Injection Pump	0.300 mm
2	4216285	1	Shim, Injection Pump	0.350 mm
3	4206382	3	Bolt, Hex-soc-hd	
4	554099	1	Stud	
5	554104	1	Nut	
6	550408	1	Washer, Spring	
7	4215905	1	Assy Pump, Injection	
8	554035	1	• Screw, Hollow	
9	554116	2	• Gasket	
10	554036	1	• Screw	
11	554117	1	• Gasket	

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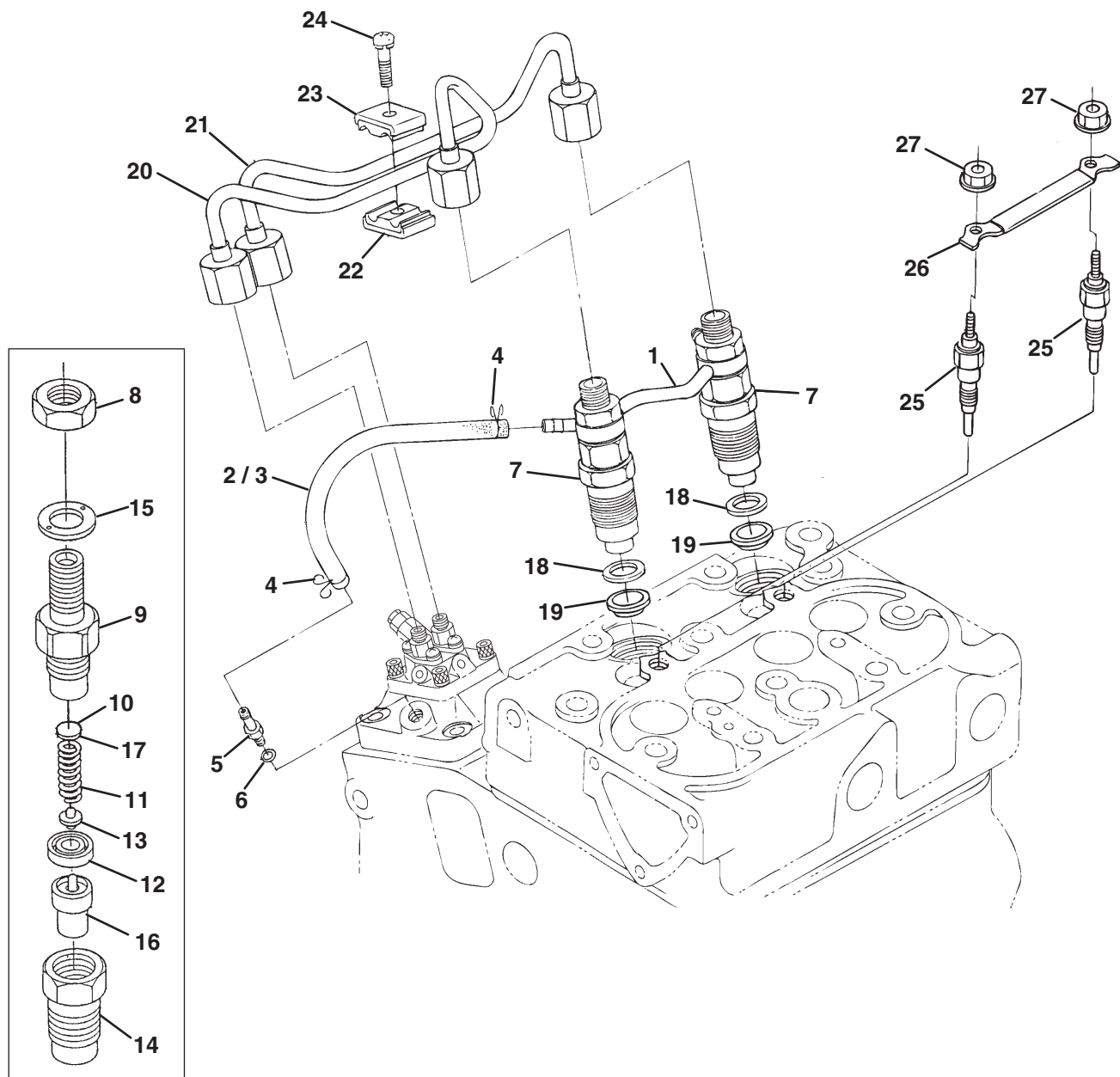
17.1 Speed Control Plate



Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1	4216286	1	Comp. Plate, Speed Co.	
	2	557071	1	• Plate, Speed Control	
	3	4216240	1	• Lever, Governor	
	4	4145893	1	• Collar	
○	5	4146066	1	• O Ring	
	6	4145909	1	• Lever, Speed Control	
	7	4145882	1	• Nut, Speed Control	
	8	5001935	1	• Shaft, Lever	
	9	2810929	1	• Lever, Engine Stop	
	10	4145689	1	• Pin, Spring	
○	11	4138008	1	• O Ring	
	12	553151	1	• Stopper	
	13	550550	2	• Bolt	
	14	550395	3	• Nut	
○	15	554073	1	Gasket, Control Plate	
	16	557366	2	Bolt	
	17	4209354	2	Bolt	
	18	4216180	1	Solenoid, Stop	
	19	4138249	2	Bolt, Flange	
○	Included in Lower Gasket Kit 4209383				

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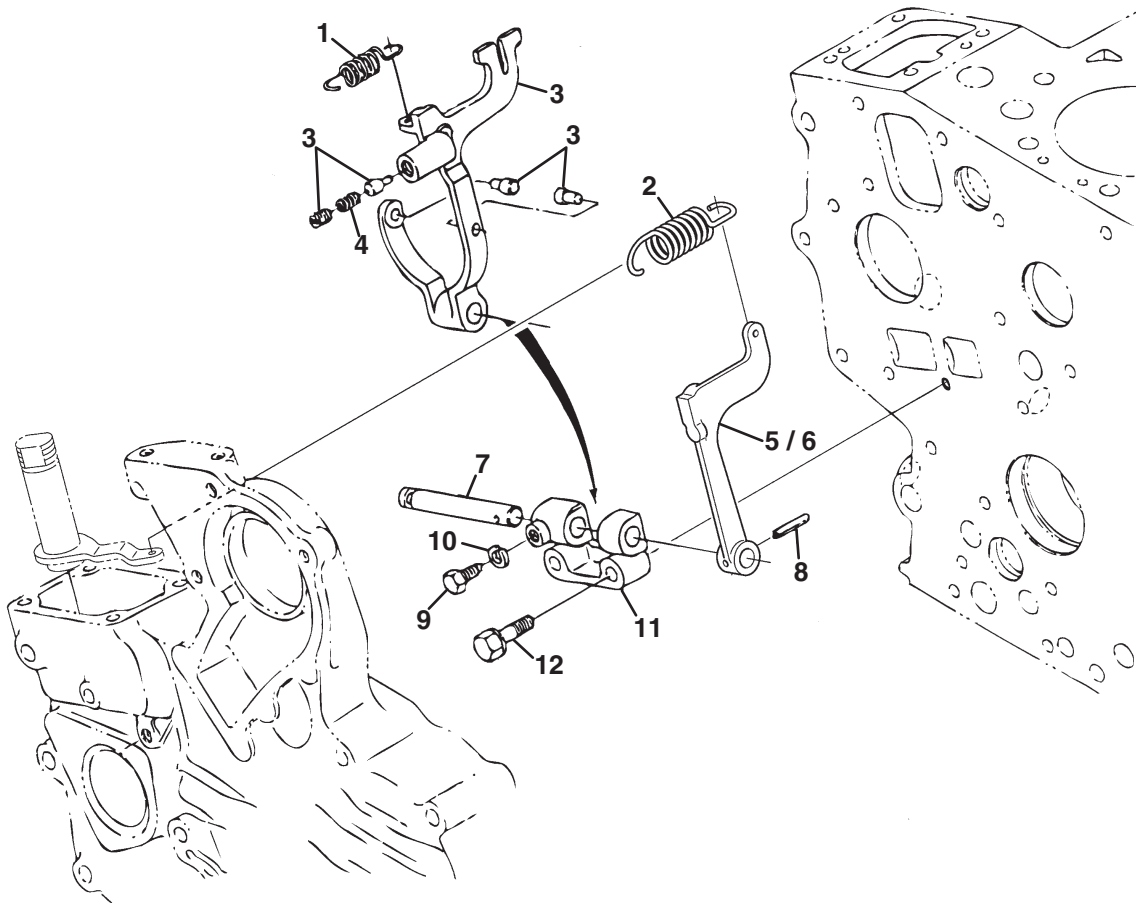
18.1 Nozzle Holder and Glow Plug



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4215903	1	Assy Pipe, Over Flow	
2	554022	1	Assy Pipe, Over Flow	
3	4177275	1	• Pipe, Fuel Over Flow	
4	553105	2	• Clip, Pipe	
5	554037	1	Screw, Air Bleeder	
○ 6	553143	1	Gasket	
7	4306904	2	Kit Holder, Nozzle	
8	4306394	2	• Nut	
9	4306905	2	• Assy Holder, Nozzle	
10	5001220	2	• • Washer, Adjusting	
11	5001219	2	• • Spring, Nozzle	
12	5001222	2	• • Piece, Distance	
13	5001218	2	• • Push Rod	
14	4306906	2	• • Nut, Nozzle	
15	5001225	2	• • Washer	
16	4306907	2	• • Piece, Nozzle	
17	554120	2	• • Assy Washer, Adjust	
● 18	554051	2	• Gasket	
● 19	557352	2	• Seal, Heat	
20	4209380	1	Pipe, Injection	
21	4209381	1	Pipe, Injection	
22	554054	1	Clamp, Pipe	
23	554055	1	Clamp, Pipe	
24	550401	1	Screw, With Washer	
25	4306395	2	Glow Plug	
26	4216120	1	Cord, Glow Plug	
27	5001152	2	Nut, Flange	
○	Included in Lower Gasket Kit 4209383			
●	Included in Upper Gasket Kit 4310345			

> Change from previous revision

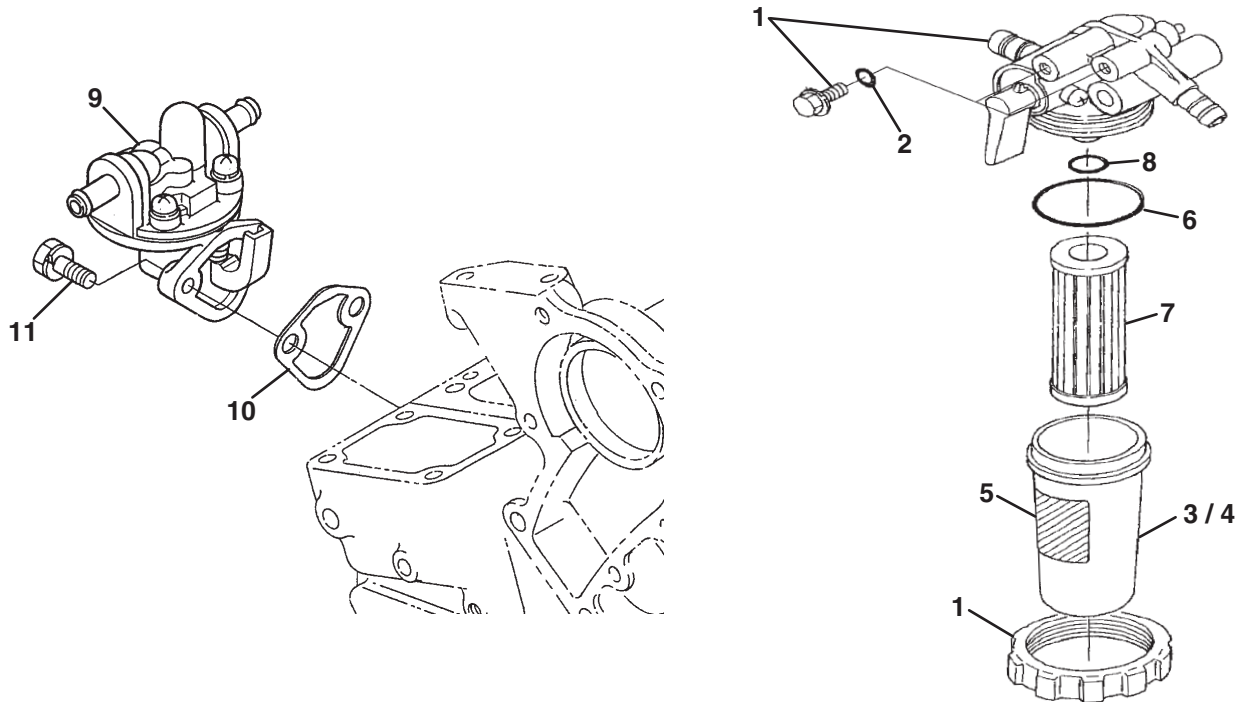
19.1 Fork Lever



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	554070	1	Spring, Start	
2	554236	1	Spring, Governor	
3	4306908	1	Assy Lever, Fork	
4	4145826	1	• Spring	
5	N/S	1	• Assy Lever, Fork	
6	N/S	1	• • Lever, Fork	
7	N/S	1	• • Shaft, Fork Lever	
8	N/S	1	• • Pin, Spring	
9	N/S	1	• Bolt	
10	N/S	1	• Washer, Spring	
11	N/S	1	• Holder, Fork Lever	
12	550367	2	Bolt	

> Change from previous revision

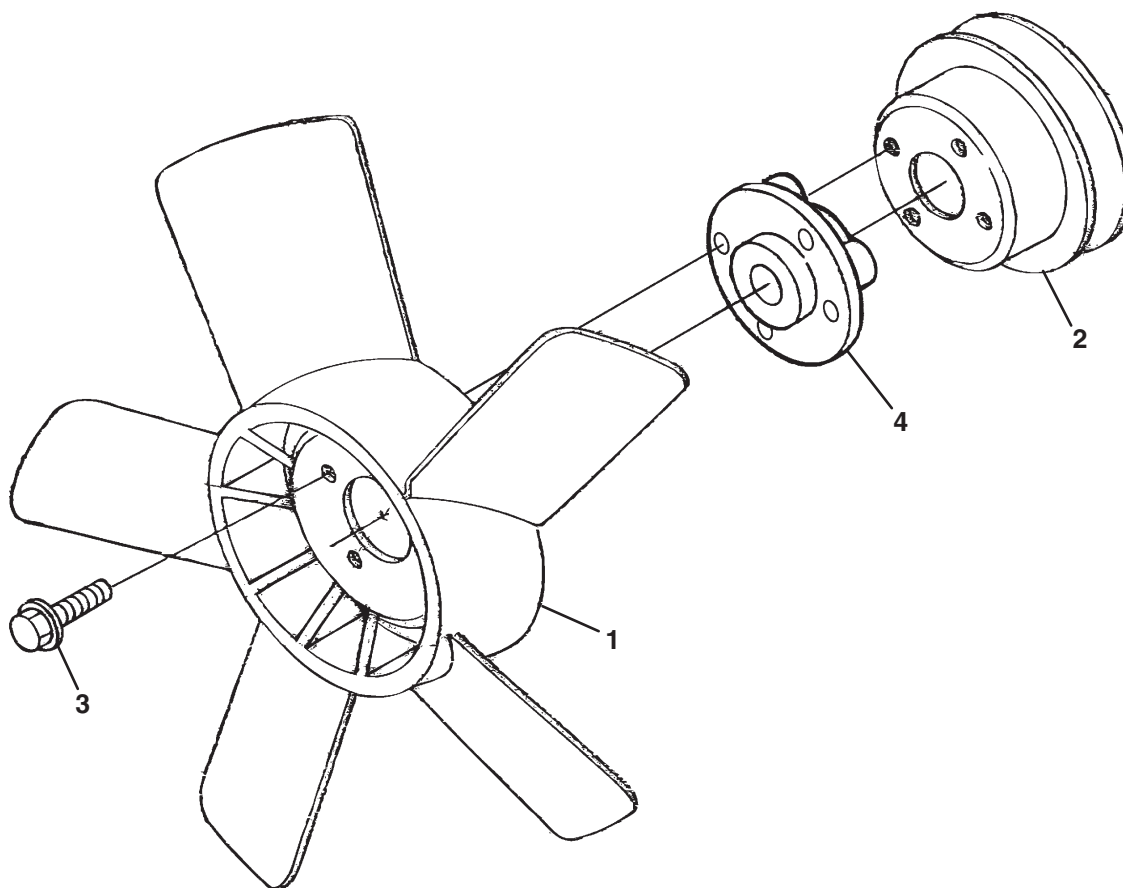
20.1 Fuel Filter and Pump



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4216242	1	Assy Filter, Fuel	
2	4145666	2	• O Ring	
3	4216243	1	• Assy Cup, Filter	
4	4209371	1	• Cup, Filter	
5	4216260	1	• Label, Fuel	
6	4209372	1	• O Ring	
7	550489	1	• Assy Element	
8	4209370	1	• O-ring	
9	5002000	1	Assy Pump, Fuel	
○ 10	5001922	1	Gasket, Fuel Pump	
11	550362	2	Bolt	
○	Included in Lower Gasket Kit 4209383			

> Change from previous revision

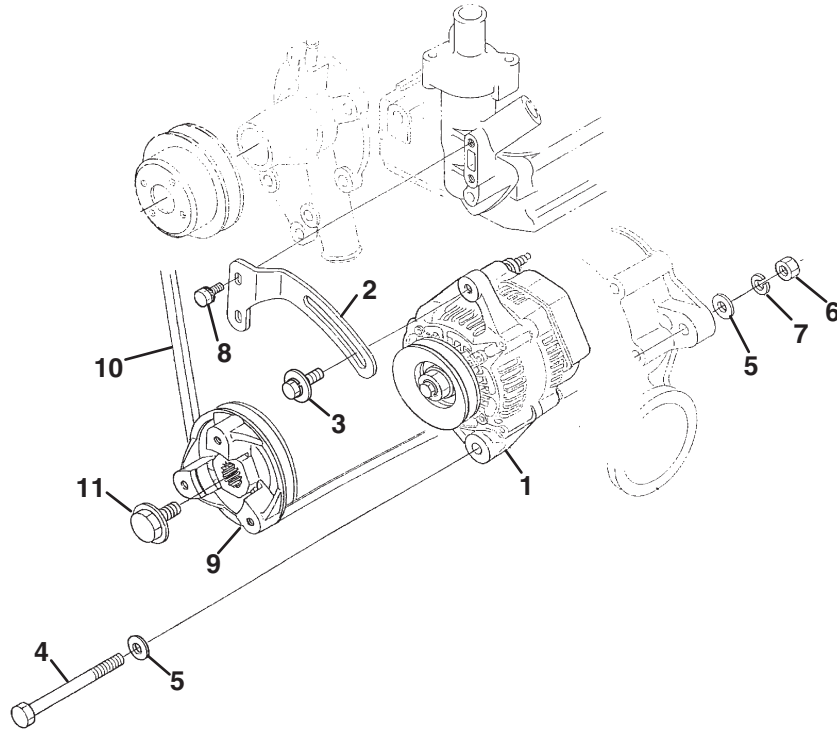
21.1 Fan and Pulley



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4215723	1	Fan	
2	554091	1	Pulley, Fan	
3	5003481	4	Bolt, Flange	
4	5003480	1	Collar, Fan	

> Change from previous revision

22.1 Alternator and Pulley



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4215960	1	Assy Alternator	
2	5001949	1	Stay, Alternator	
3	4209353	1	Bolt	
4	557942	1	Bolt	
5	4310337	2	Washer, Plain	
6	594348	1	Nut	
7	4310338	1	Washer, Spring	
8	550362	2	Bolt	
9	4216121	1	Pulley, Fan Drive	
10	5001951	1	V Belt	
11	557562	1	Bolt	

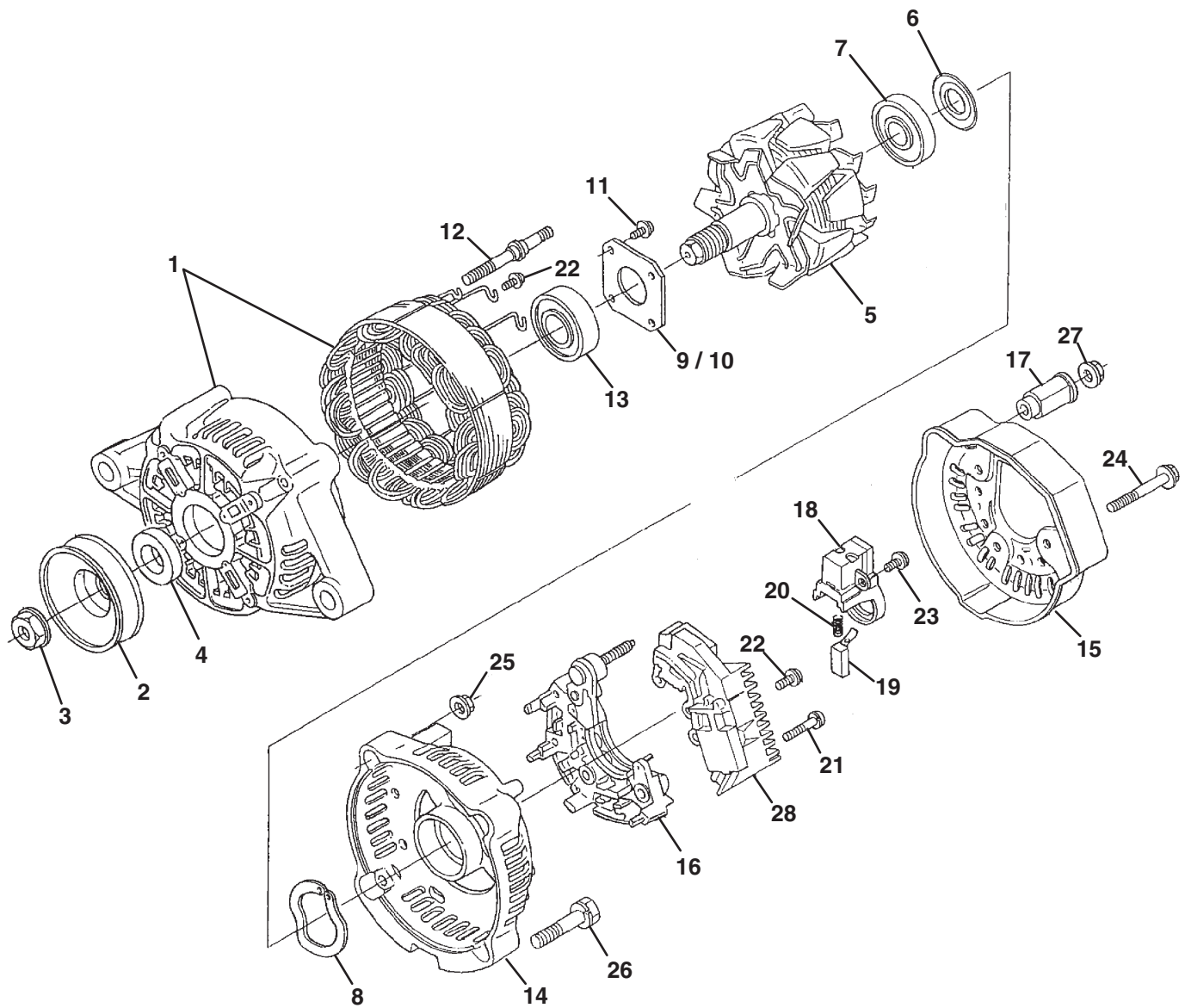
> Change from previous revision

KUBOTA Z482-E4B

Serial No. All

23.1 Alternator Breakdown

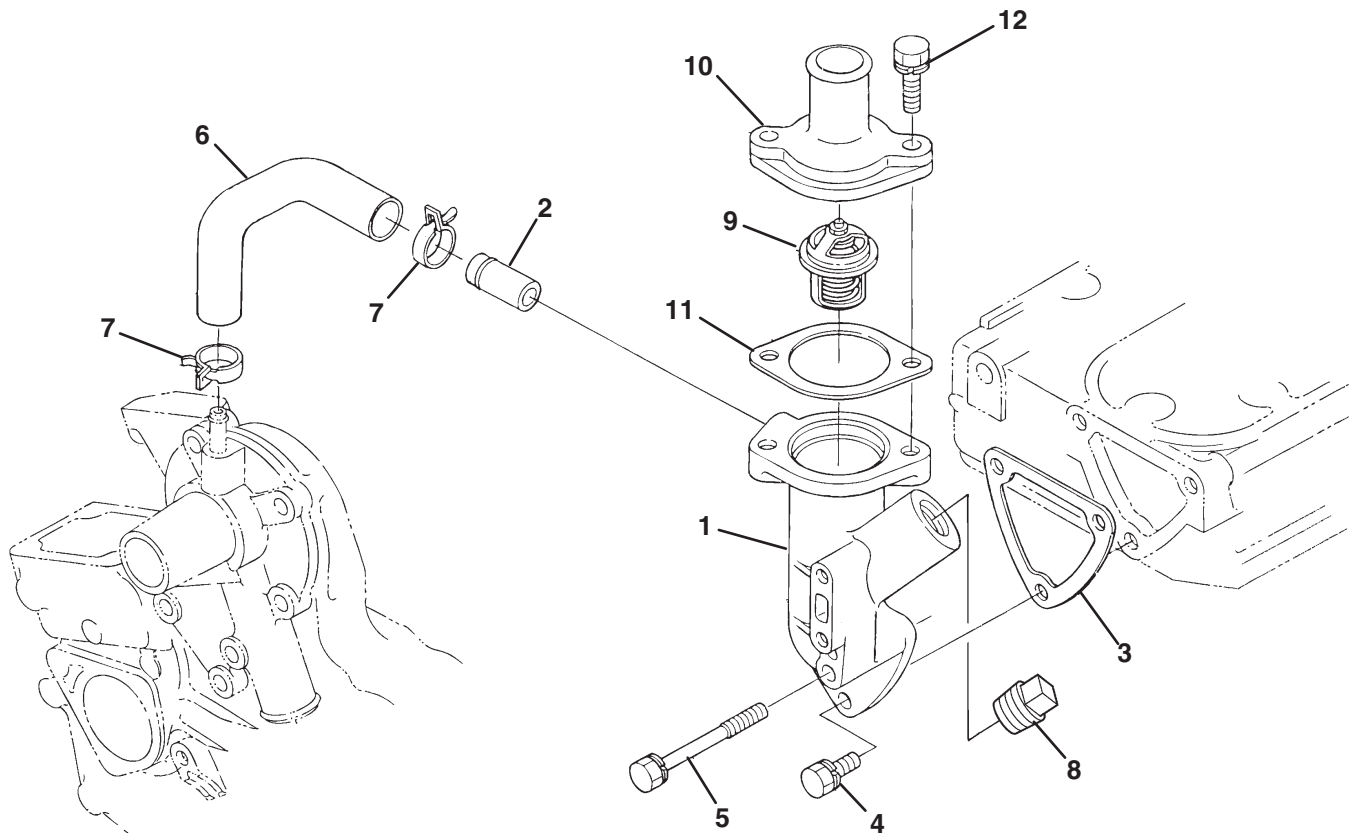
Part Number 4215960



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4215960	1	Assy Alternator	
2	557947	1	• Pulley, Dynamo	
3	557948	1	• Nut	
4	557949	1	• Collar	
5	4145943	1	• Rotor	
6	557951	1	• • Cover, Bearing	
7	4145838	1	• • Bearing, Ball	
8	557953	1	• Washer, Thrust	
9	4215980	1	• Frame, Drive End	
10	5001210	1	• • Plate, Retainer	
11	557956	4	• • Screw, Round Head	
12	557957	2	• • Bolt, Through	
13	4145839	1	• • Bearing, Ball	
14	4145828	1	• Frame, End	
15	4145829	1	• Cover, End	
16	557961	1	• Assy Rectifier	
17	557962	1	• Bush, Insulation	
18	4145837	1	• Holder, Brush	
19	557964	2	• • Brush	
20	557965	2	• • Spring, Brush	
21	557966	2	• Screw, Round Head	
22	557967	6	• Screw, Round Head	
23	557968	1	• Screw, Round Head	
24	557969	3	• Bolt	
25	557970	2	• Nut	
26	557971	2	• Bolt	
27	557972	1	• Nut	
28	2810355	1	• Assy Regulator	

> Change from previous revision

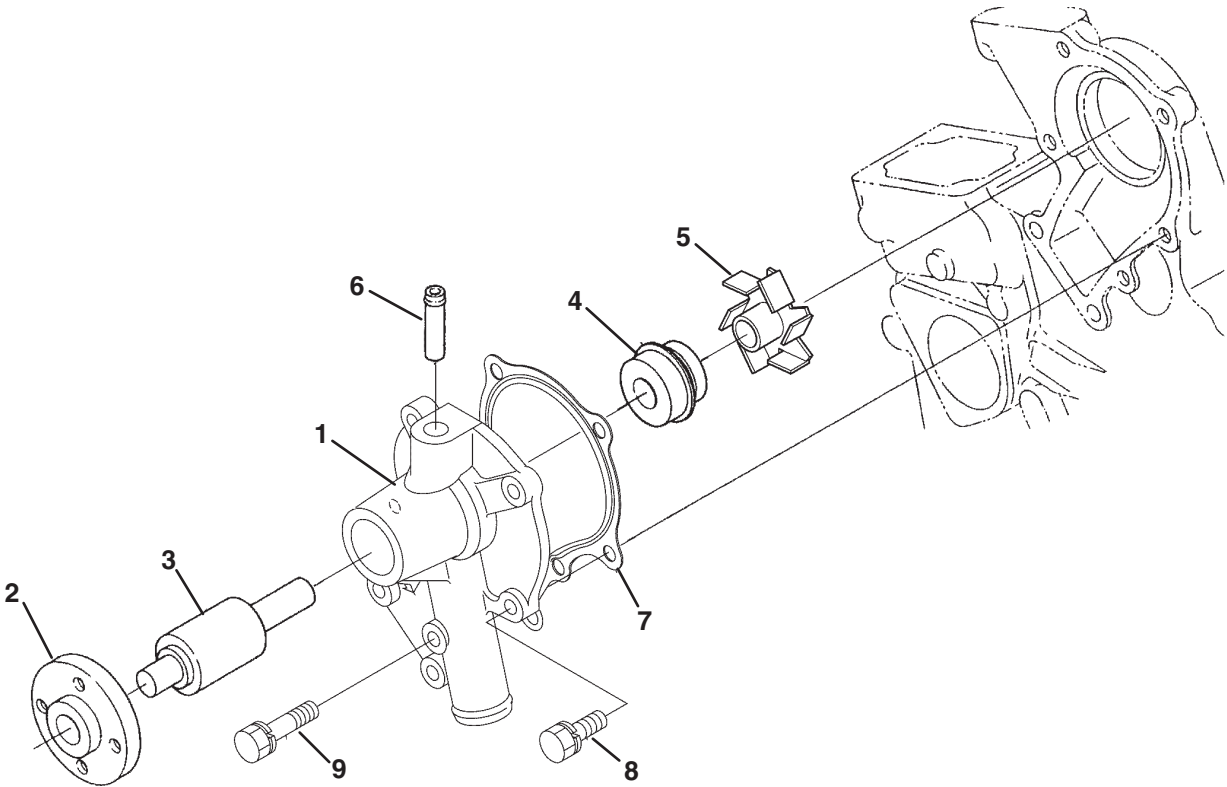
24.1 Water Flange and Thermostat



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5001956	1	Comp. Flange, Water	
2	4134380	1	• Pipe, Water Return	
● 3	554082	1	Gasket, Water Flange	
4	550362	2	Bolt	
5	553842	1	Bolt	
6	5001959	1	Pipe, Water Return	
7	4306396	2	Band, Pipe	
8	4134361	1	Plug	
9	2500870	1	Assy Thermostat	
10	554086	1	Cover, Thermostat	
● 11	4145869	1	Gasket, Thermostat	
12	553840	2	Bolt	
●	Included in Upper Gasket Kit 4310345			

> Change from previous revision

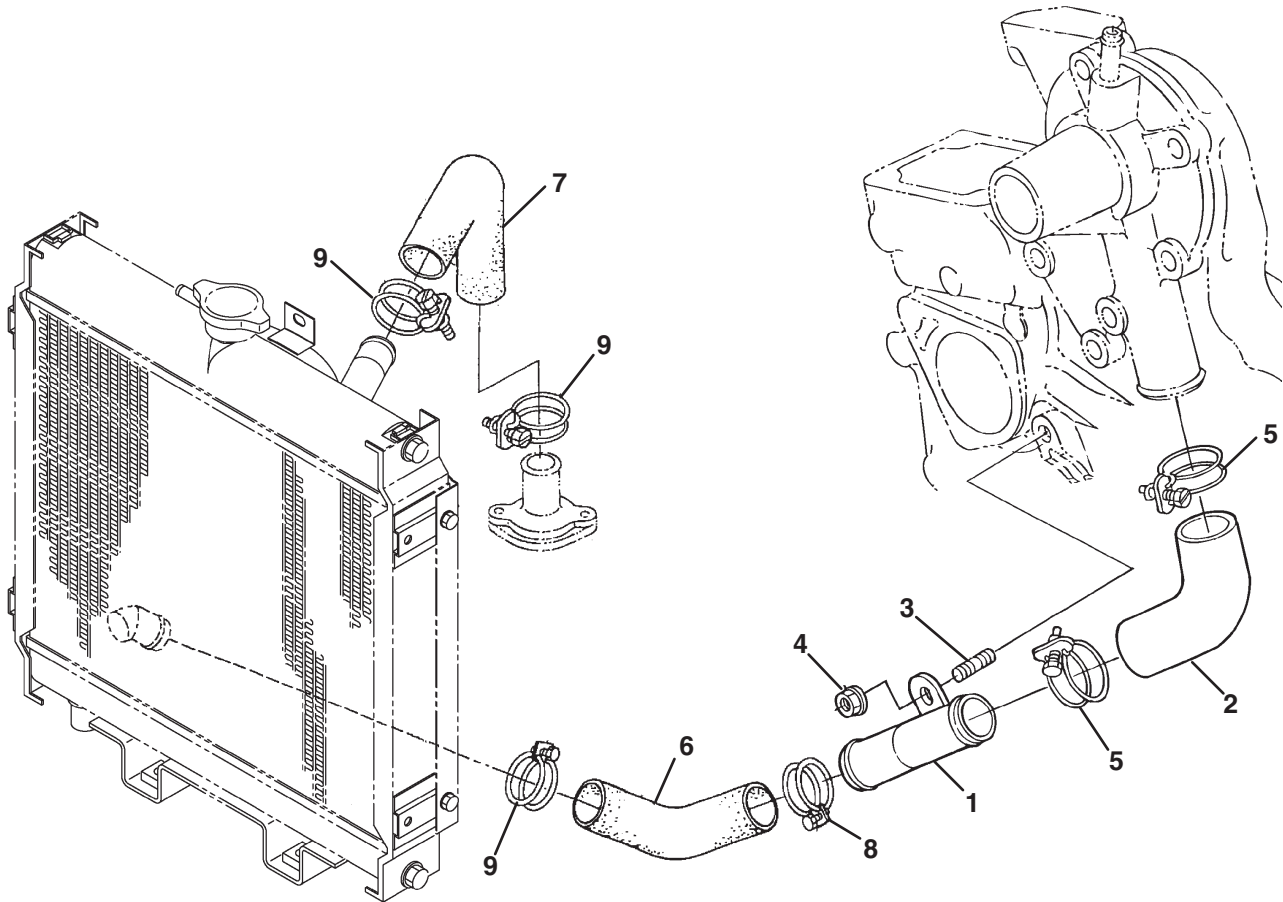
25.1 Water Pump



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4230021	1	Assy Pump, Water	
2	557567	1	• Flange, Water Pump	
3	557568	1	• Bearing	
4	N/S	1	• Assy Seal, Mechanical	
5	N/S	1	• Impeller	
6	557571	1	• Pipe, Water Return	
○ 7	5001962	1	Gasket, Water Pump	
8	553840	4	Bolt	
9	5001963	1	Bolt	
○	Included in Lower Gasket Kit 4209383			

> Change from previous revision

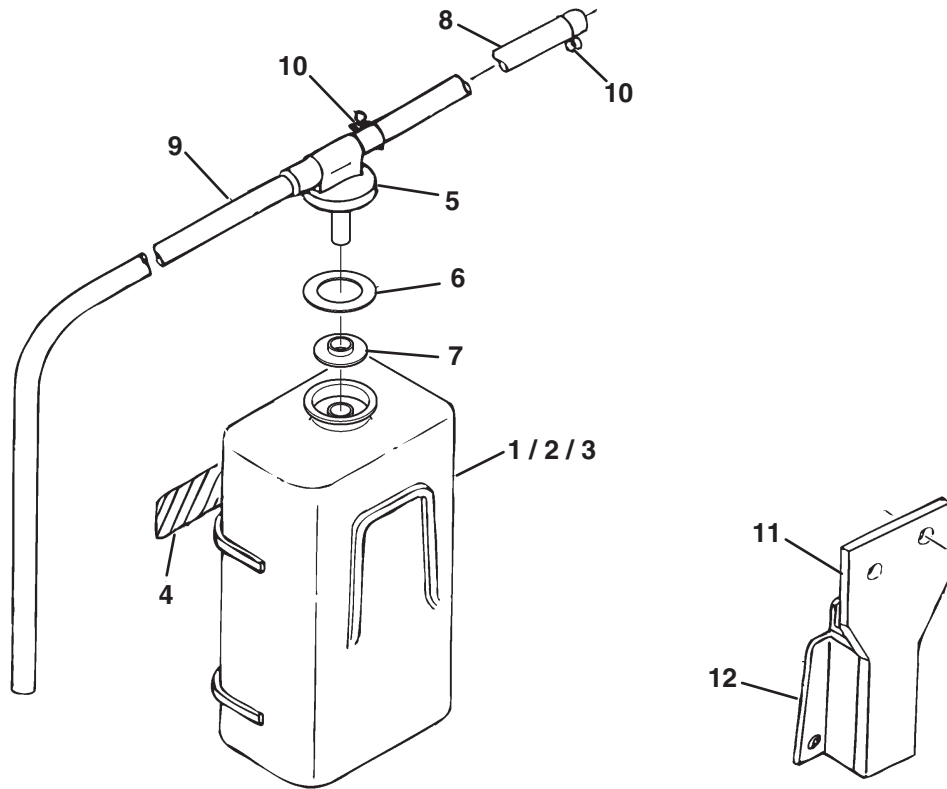
26.1 Water Pipe



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2811451	1	Pipe, Water	
2	2811452	1	Hose, Water	
3	554100	1	Stud	
4	2810647	1	Nut, Flange	
5	554083	2	Band, Pipe	
6	4216304	1	Hose, Water	
7	4216299	1	Hose, Water	
8	5001973	1	Clamp, Hose	
9	554083	3	Band, Pipe	

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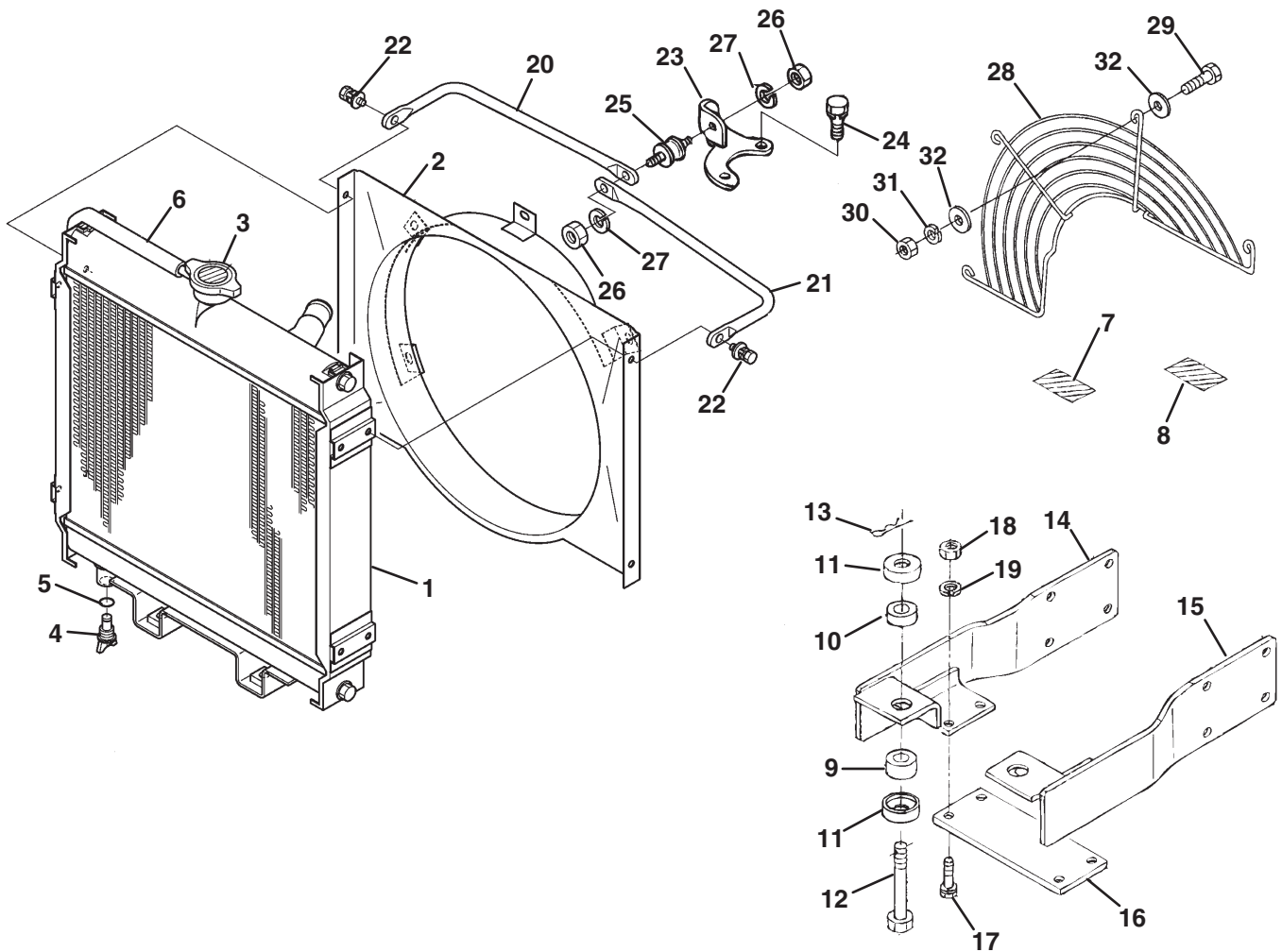
27.1 Reserve Tank



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	2208079	1	Kit Tank, Reserve	
2	4209393	1	• Assy Tank, Reserve	
3	5001207	1	• • Body, Tank	
4	4145735	1	• • Label, Caution	
5	2500814	1	• • Cap	
6	2500815	1	• • Gasket	
7	4209392	1	• • Plate	
8	553913	1	• • Pipe, Water Over Flow	
9	553929	1	• • Pipe, Water Over Flow	
10	553914	2	• • Clip, Pipe	
11	554231	1	• Comp Support, Tank	
12	4165649	1	• • Stay, Reserve Tank	

> Change from previous revision

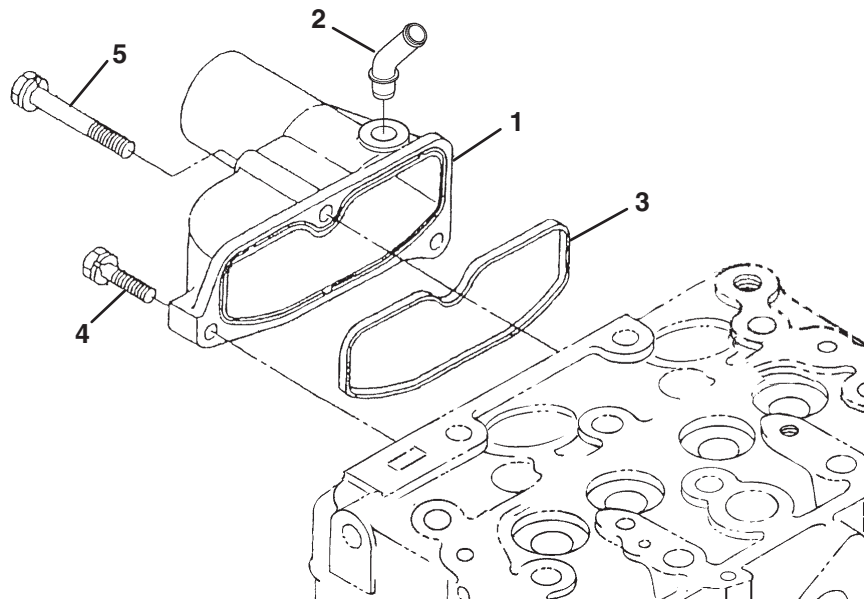
28.1 Radiator



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4216295	1	Assy Radiator	
2	4216298	1	Shroud, Fan	
3	4209357	1	Cap, Radiator	
4	4209390	1	Plug, Drain	
5	4209391	1	O Ring	
6	4215904	1	Pipe, Water Over Flow	
7	2811961	1	Label, Radiator	
8	554228	1	Label, Instruction	
9	553886	2	Cushion	
10	2810755	2	Cushion	
11	553887	4	Washer	
12	4209342	2	Bolt	
13	4310339	2	Pin, Snap	
14	4216001	1	Support, Radiator	
15	4216020	1	Support, Radiator	
16	4216221	1	Stay	
17	4215720	4	Bolt	
18	550398	4	Nut	
19	550409	4	Washer, Spring	
20	4216296	1	Support, Radiator	
21	4216297	1	Support, Radiator	
22	4215643	2	Bolt	
23	4216262	1	Stay, Radiator	
24	2500917	2	Bolt	
25	4216287	1	Cuchion, Rubber	
26	553850	2	Nut	
27	550408	2	Washer, Spring	
28	4310340	1	Cover, Fan	
29	4215644	4	Bolt	
30	550395	4	Nut	
31	550408	4	Washer, Spring	
32	4215721	8	Washer, Plain	

> Change from previous revision

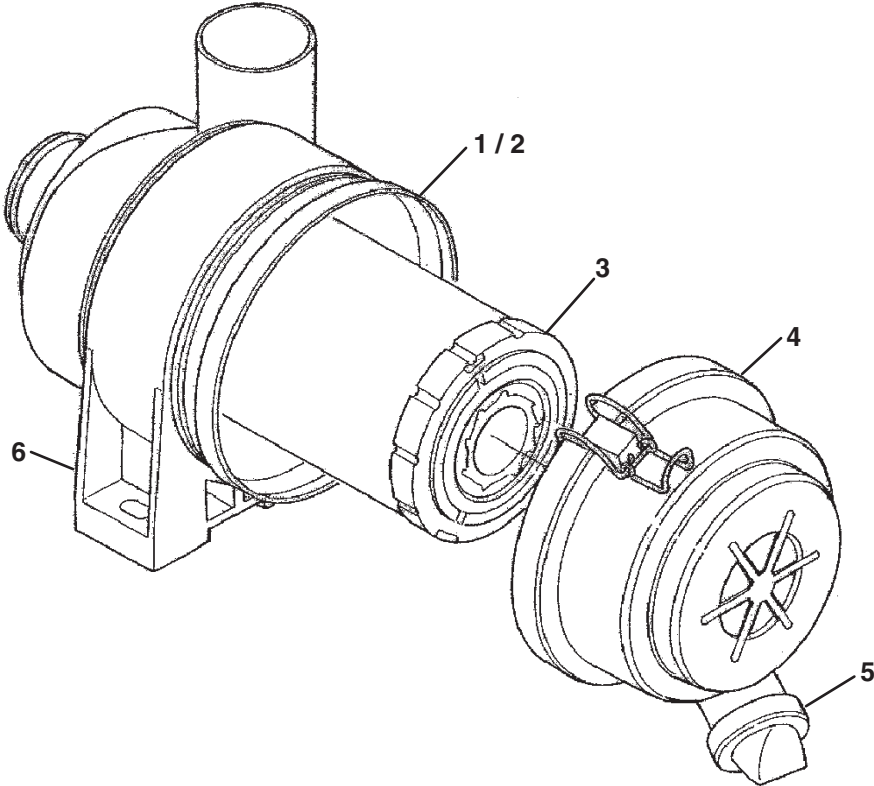
29.1 Inlet Manifold



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4216288	1	Assy Manifold, Inlet	
2	4310343	1	• Pipe, Breather	
3	4215724	1	• Gasket, In-manifold	
4	557366	2	Bolt	
5	553481	1	Bolt	
	Included in Upper Gasket Kit 4310345			

> Change from previous revision

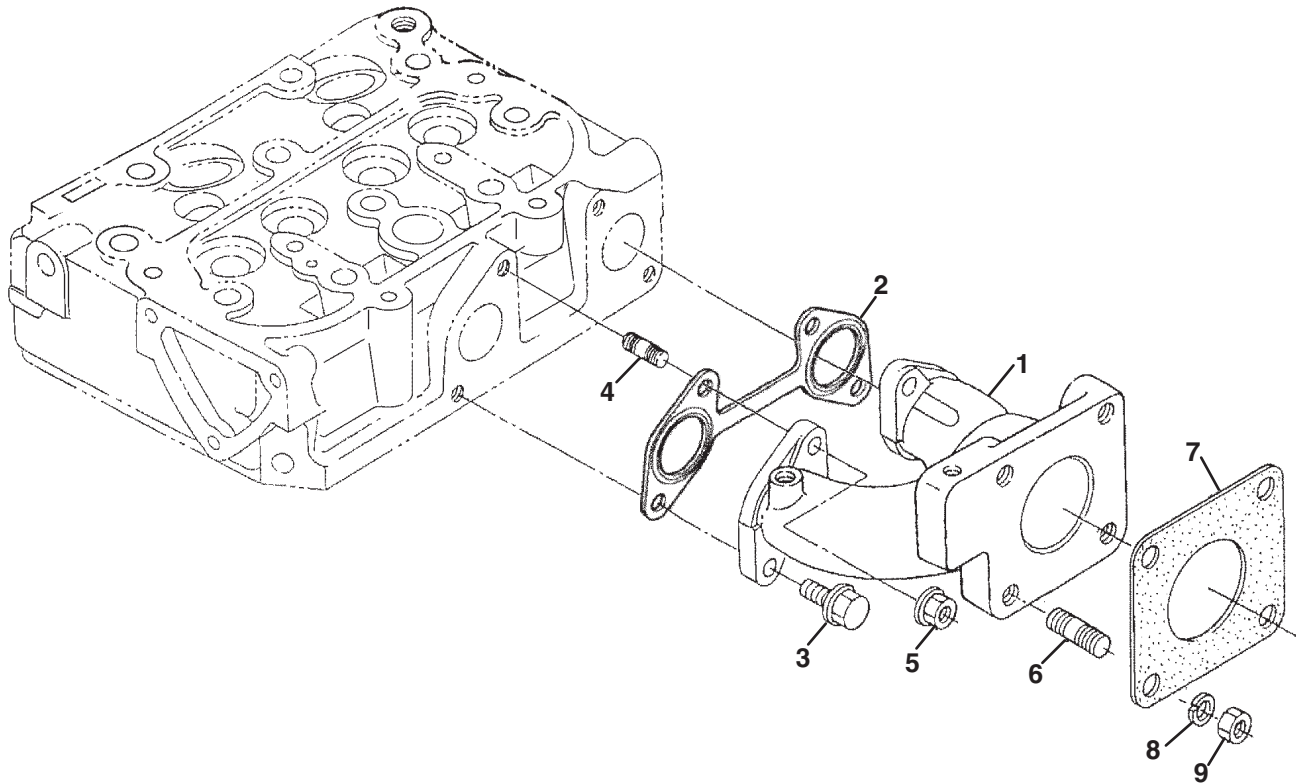
30.1 Air Cleaner



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	1001121	1	Assy Cleaner, Air	
2	4216264	1	• Body, Air Cleaner	
3	5000913	1	• Element, Air Cleaner	
4	5000912	1	• Cover, Air Cleaner	
5	5000914	1	• Valve	
6	4216282	1	Bracket	

> Change from previous revision

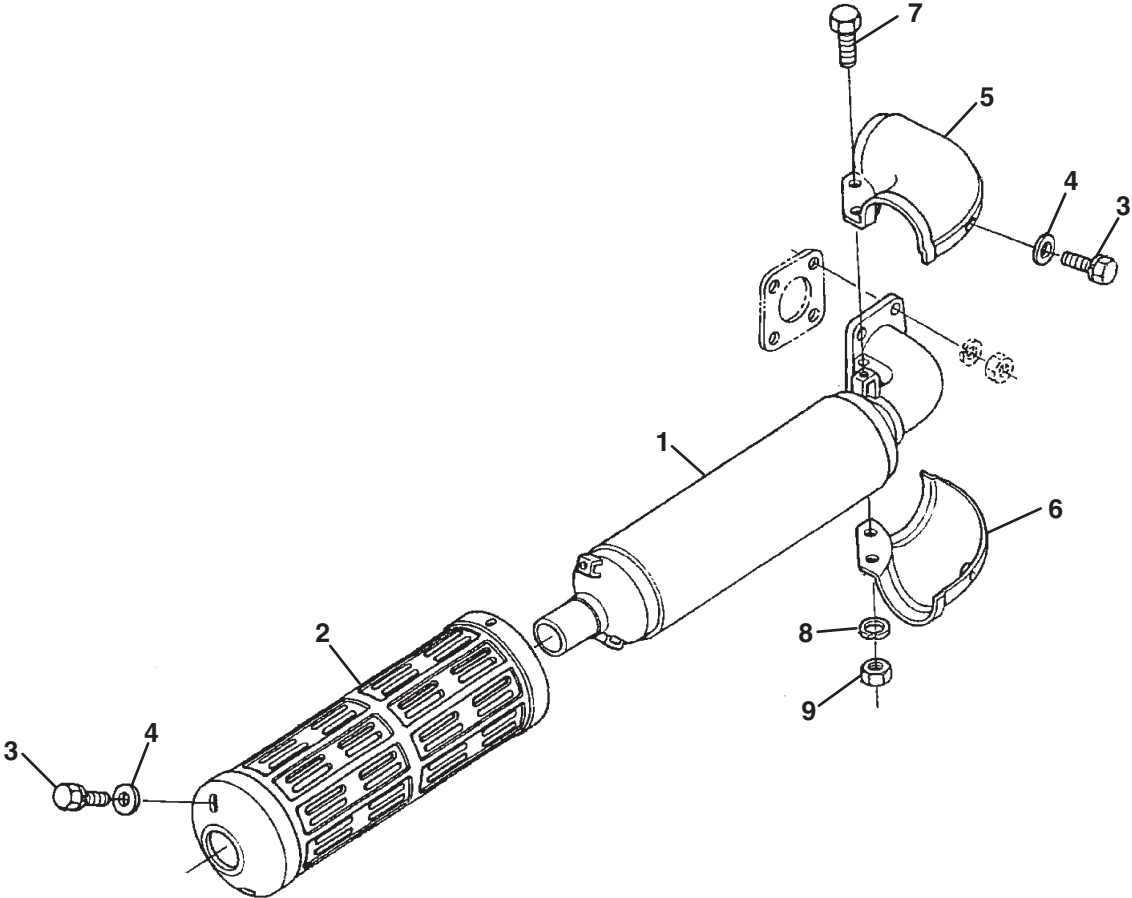
31.1 Exhaust Manifold



Item	Part No.	Qty.	Description	Serial Numbers/Notes
● 1	4216223	1	Manifold, Exhaust	
● 2	4216060	1	Gasket, Ex-manifold	
3	4306910	2	Bolt, Ubs	
4	4306911	2	Stud	
5	5001985	2	Nut, Ubs	
6	594344	4	Stud	
● 7	553020	1	Gasket, Muffler Na	
8	550398	4	Nut	
9	550409	4	Washer, Spring	
●	Included in Upper Gasket Kit 4310345			

> Change from previous revision

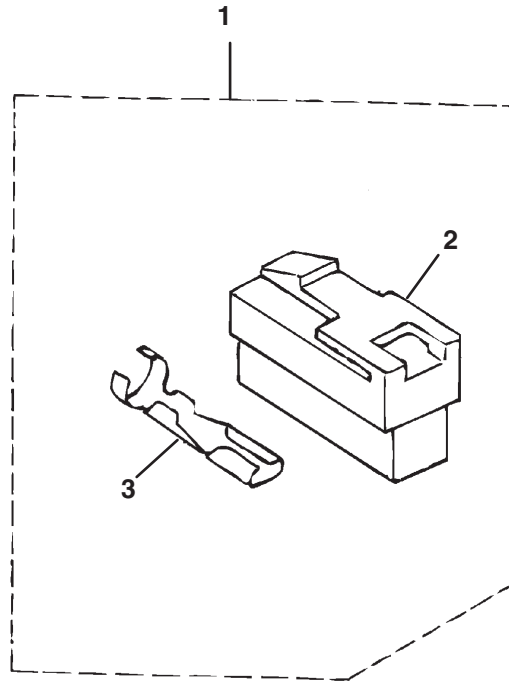
32.1 Muffler



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	553907	1	Muffler	
2	554247	1	Cover, Muffler	
3	553847	4	Bolt	
4	4310344	4	Washer, Plain	
5	554245	1	Cover, Muffler Flange	
6	554246	1	Cover, Muffler Flange	
7	4215645	2	Bolt	
8	550408	2	Washer, Spring	
9	553850	2	Nut	

> Change from previous revision

33.1 Electrical Connector



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	557981	1	Assy Coupler	
2	5003298	1	Connector	
3	5003299	2	Terminal	

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