



Engine Parts Manual

Kubota® Diesel Engine

V2403-M-DI-E3B

Jacobsen AR522™

WARNING

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 must read the entire manual before attempting to set up, operate, adjust, or service the machine.

FOREWORD

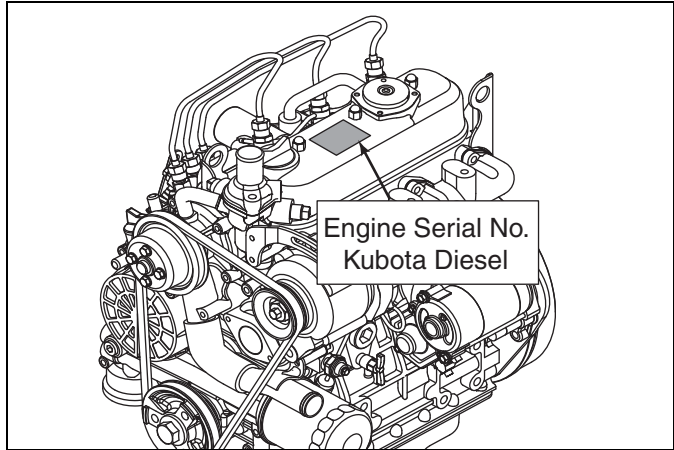
This manual contains a parts list for your Kubota Engine.

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
	4113986	Cartridge, Oil Filter		4289810	Lower Gasket Kit
	557619	Element, Fuel Filter		4289811	Upper Gasket Kit
	4289829	V-Belt, 39 In.			

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Proposition 65 Warning

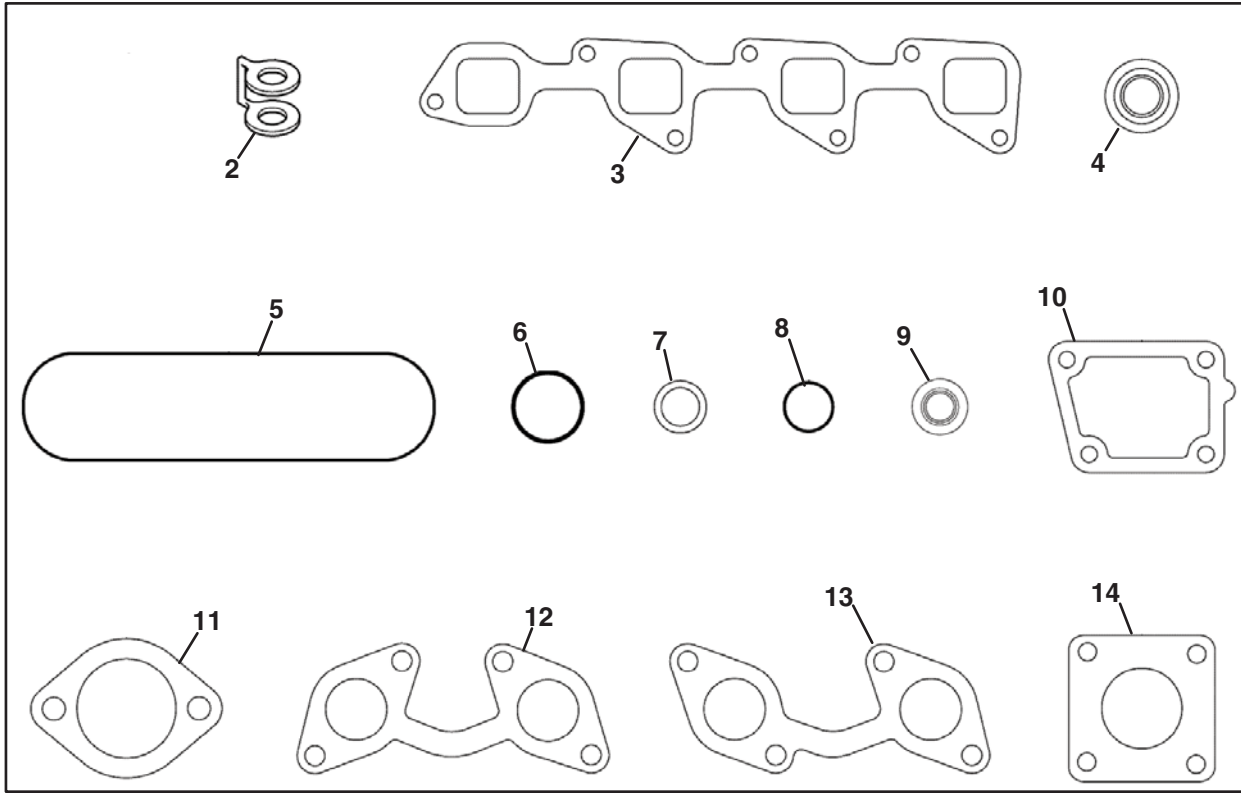
This product contains or emits chemicals known to State of California to cause cancer and birth defects or other reproductive harm.

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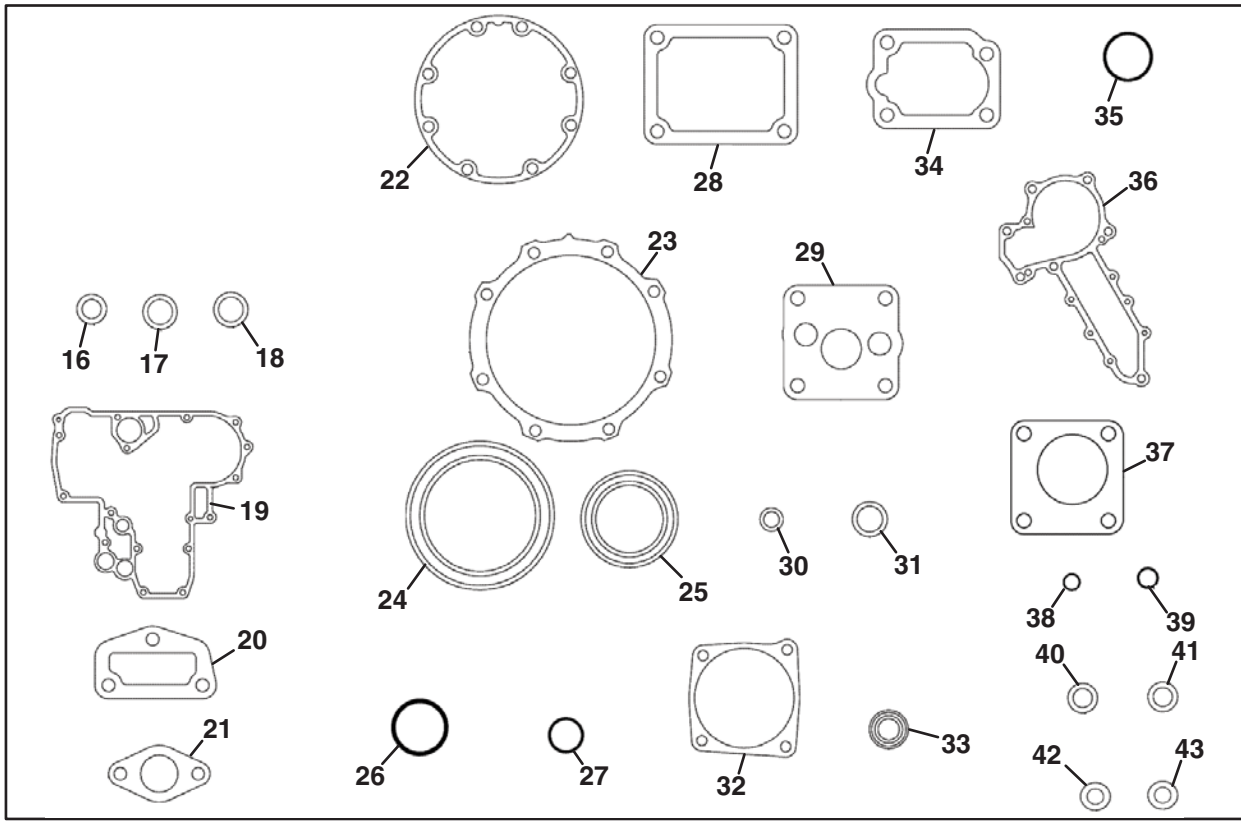
KUBOTA V2403-M-DI-E3B

Serial No. All

1.1 Gasket Kit



1



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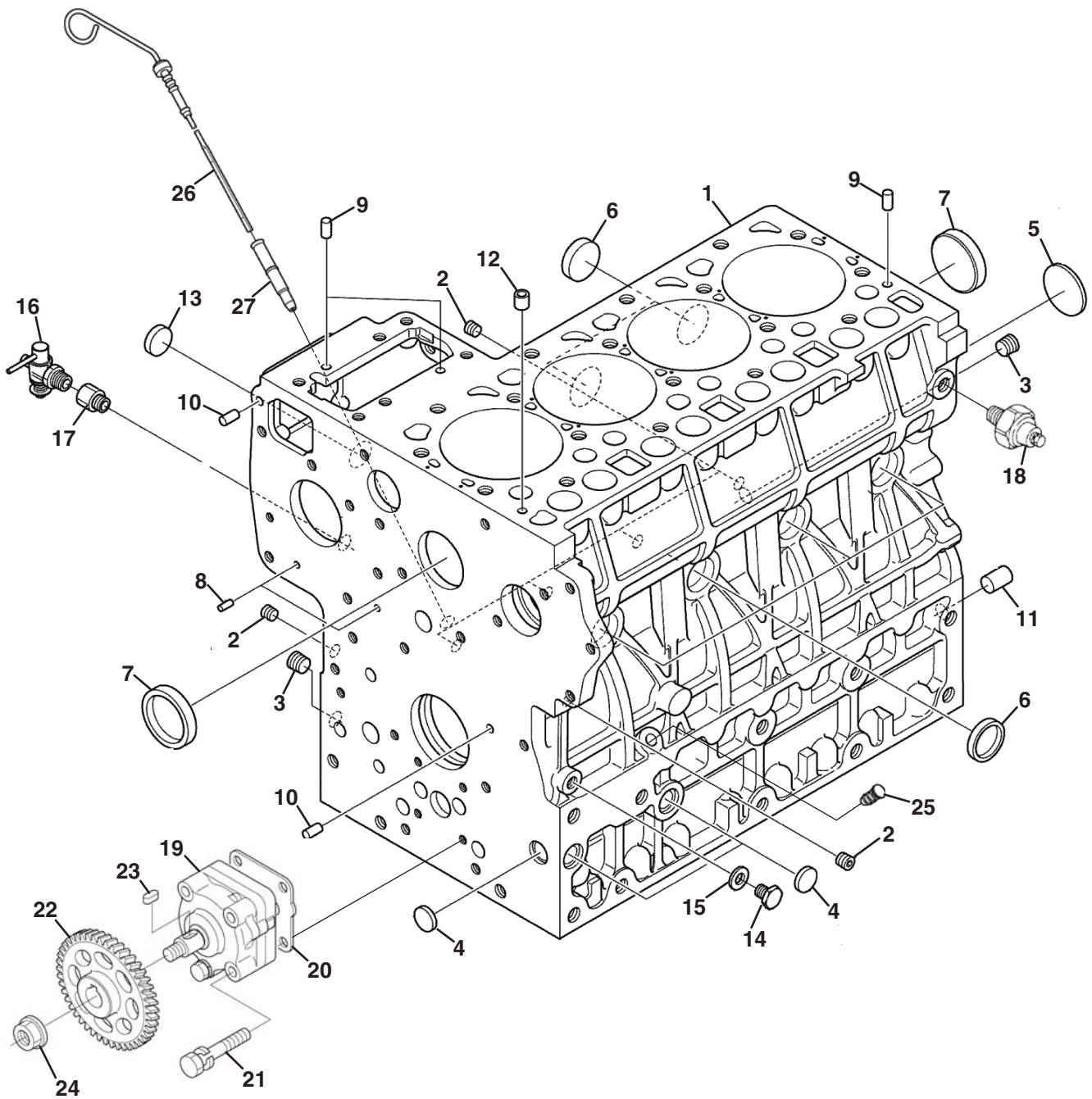
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289811	1	Kit Gasket, Upper	
2	4138037	4	• Gasket, Overflow Pipe	See 16.1
3	4134390	1	• Gasket, In-manifold	See 21.1
4	553030	8	• Seal, (Valve Stem)	See 5.1
5	4134208	1	• Gasket, Head Cover	See 6.1
6	4134211	1	• O-ring, Oil Filler Plug	See 6.1
7	4251732	4	• Gasket, Nozzle Holder	See 16.1
8	2809954	4	• O-ring, Nozzle Holder	See 16.1
9	N/S	1	• Washer, Seal	Not used on this engine
10	4134364	1	• Gasket, Water Flange	See 19.1
11	4134370	1	• Gasket, Thermostat	See 19.1
12	4134393	1	• Gasket, Ex-manifold	See 21.1
13	4134392	1	• Gasket, Ex-manifold	See 21.1
14	4134436	1	• Gasket, Muffler	See 22.1
15	4289810	1	Kit Gasket, Lower	
16	N/S	1	• Gasket	Not used on this engine
17	N/S	1	• Packing	Not used on this engine
18	2500811	2	• Gasket, Oil Drain Plug	See 3.1
19	4289818	1	• Gasket, Gear Case	See 7.1
20	4134624	1	• Gasket, Return Flange	See 7.1
21	N/S	1	• Gasket, Fuel Pump	Not used on this engine
22	4134224	1	• Gasket, Bearing Case	See 8.1
23	4134226	1	• Gasket, Case Cover	See 8.1
24	4289805	1	• Seal, Rear Crankshaft Oil	See 8.1
25	556976	1	• Seal, Front Crankshaft Oil	See 10.1
26	594367	1	• O Ring, Crankshaft	See 10.1
27	4134178	1	• O Ring, Oil Pickup Filter	See 3.1
28	553163	1	• Gasket, Pump Cover	See 12.1
29	4134218	1	• Gasket, Oil Pump	See 2.1
30	553143	2	• Gasket, Adjustment Bolt	See 15.1
31	N/S	2	• Gasket	Not used on this engine
32	4198321	1	• Gasket, Fuel Camshaft Cover	See 11.1
33	4198212	2	• Seal, Governor Lever Oil	See 15.1
34	4134267	2	• Gasket, Plate	See 12.1 and See 15.1
35	4134271	1	• O-ring, Stop Solenoid	See 12.1
36	4134378	1	• Gasket, Water Pump	See 20.1
37	4134625	1	• Gasket, Hour Meter	See 7.1
38	N/S	1	• O Ring	Not used on this engine
39	4134260	1	• Ring, Adjustment Bolt	See 12.1
40	4134261	1	• Gasket, Idling Apparatus	See 12.1
41	552958	1	• Gasket, Plug	See 2.1
42	4289858	2	• Gasket, Eye Joint	See 13.1
43	4289802	2	• Gasket, Bleeder Screw	See 13.1

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KUBOTA V2403-M-DI-E3B

Serial No. All

2.1 Crankcase

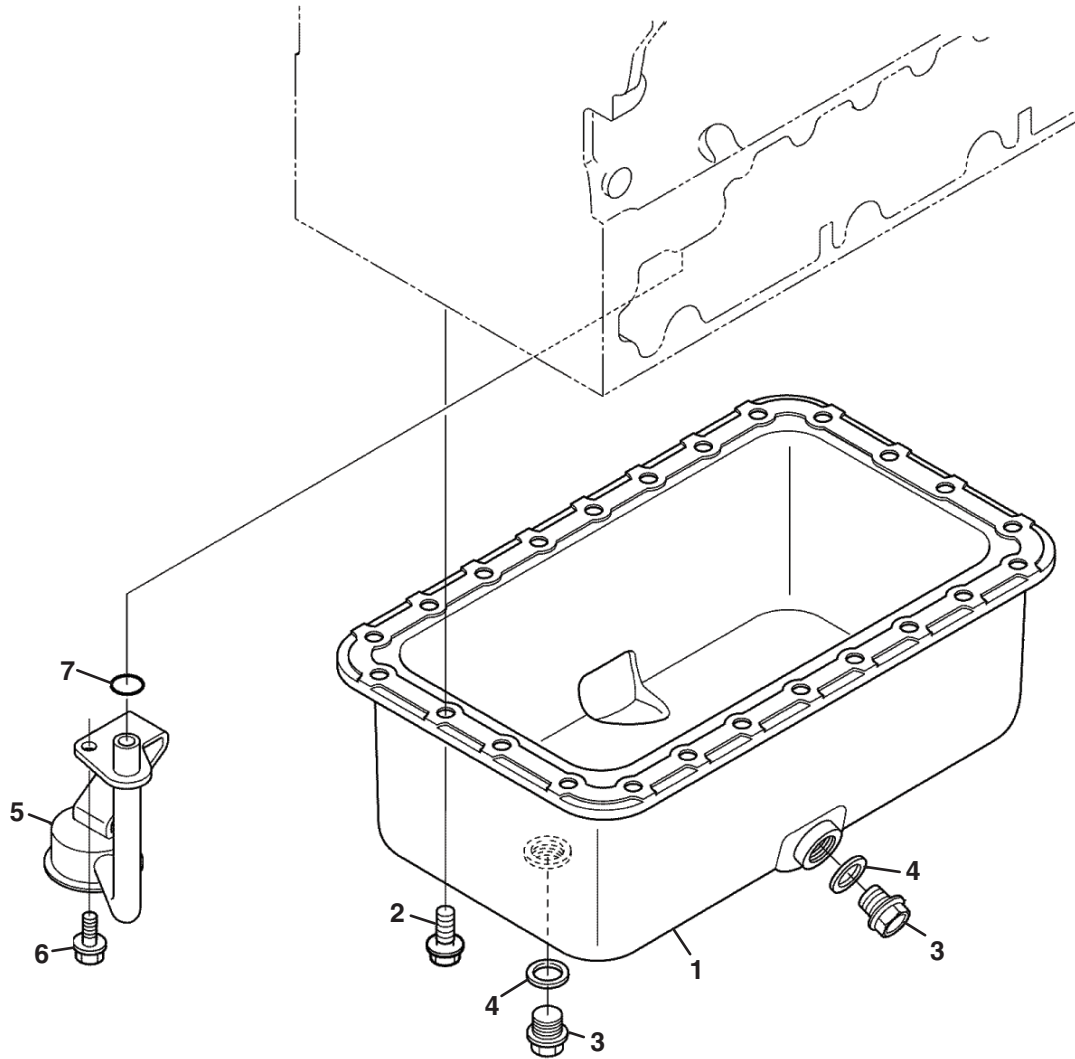


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289817	1	Comp. Crankcase	
2	552950	6	• Plug	
3	552951	2	• Plug	
4	5001308	3	• Plug, Expansion	
5	2500877	1	• Plug, Expansion	
6	552952	6	• Cap, Sealing	
7	552953	2	• Cap, Sealing	
8	594368	2	• Pin, Straight	
9	550423	3	• Pin, Straight	
10	594369	2	• Pin, Straight	
11	594370	1	• Pin, Straight	
12	552954	1	• Pin, Pipe	
13	5001861	1	• Cap, Sealing	
14	4289854	1	Plug	
<input type="checkbox"/> 15	552958	1	Gasket	
16	594622	1	Cock, Drain	
17	552955	1	Joint, Drain Cock	
18	554018	1	Switch, Oil	
19	4198174	1	Assembly Pump, Oil	
<input type="checkbox"/> 20	4134218	1	Gasket, Oil Pump	
21	5001875	4	Bolt, Sems	
22	4289855	1	Gear, Oil Pump Drive	
23	550427	1	Key, Feather	
24	556915	1	Nut	
25	2812013	1	Plug, Oil Gauge	
26	4289870	1	Gauge, Eng. Oil	
27	4111662	1	Guide, Oil Gauge	
<input type="checkbox"/>	Included in Lower Gasket Kit 4289810 See 1.1			

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3.1 Oil Pan

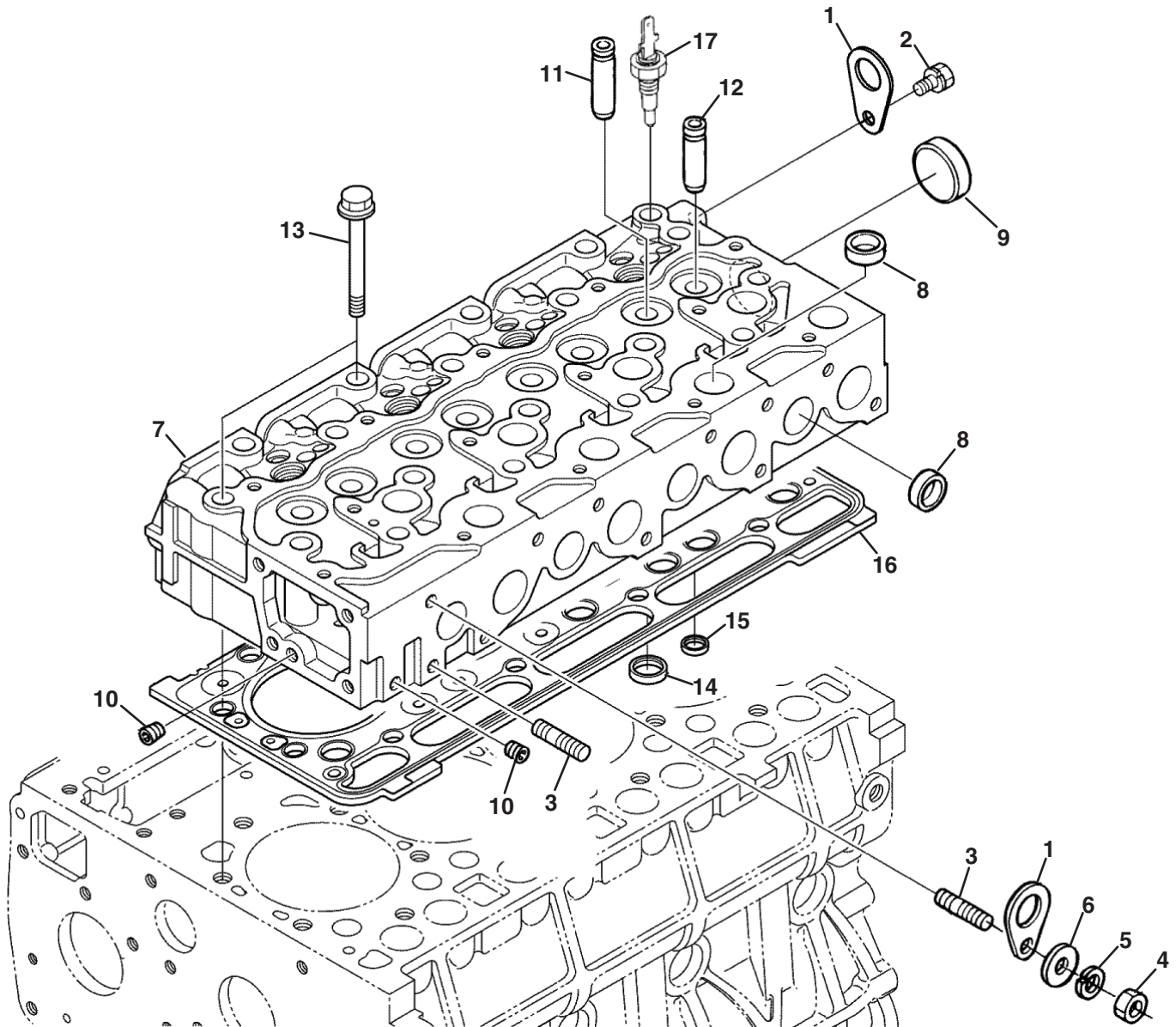


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	556916	1	Comp. Oil Pan	
2	556918	24	Bolt, Flange	
3	4134176	2	Plug, Drain	
<input type="checkbox"/> 4	2500811	2	Gasket	
5	4134177	1	Screen, Suction	
6	4198160	1	Bolt, Flange	
<input type="checkbox"/> 7	4134178	1	O Ring	
<input type="checkbox"/> Included in Lower Gasket Kit 4289810 See 1.1				

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4.1 Cylinder Head

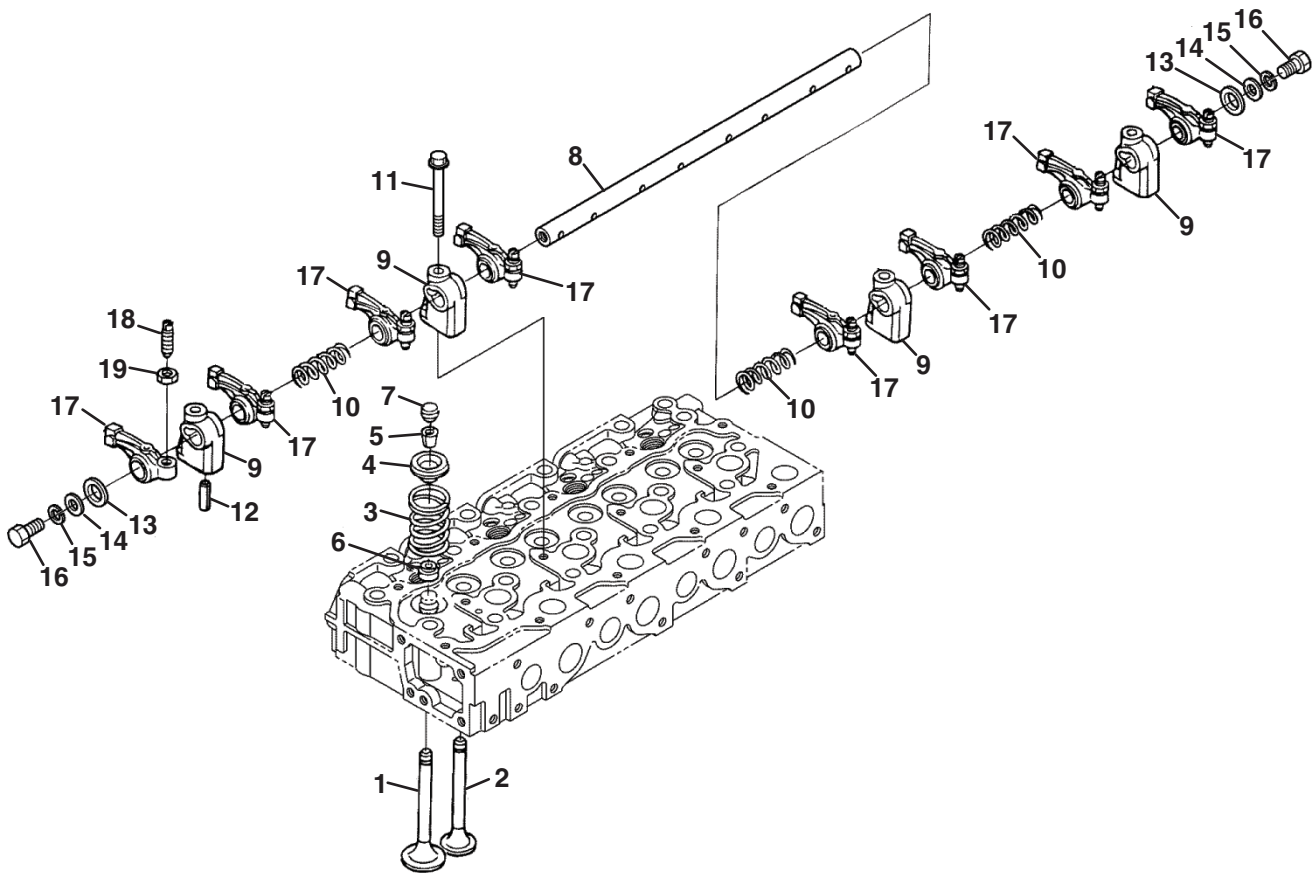


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	553934	2	Hook, Engine	
2	4289891	1	Bolt, Sems	
3	4198438	2	Stud	
4	550398	1	Hex Nut	
5	550409	1	Washer, Spring Lock	
6	550380	1	Washer, Plain	
7	4289836	1	Cylinder Head	
8	552976	12	• Cap, Sealing	
9	552977	1	• Cap, Sealing	
10	552978	2	• Plug	
11	4289852	4	• Guide, Inlet Valve	
12	556927	4	• Guide, Exhaust Valve	
13	556928	18	• Bolt, Cylinder Head	
14	4289807	4	• Seat, Inlet Valve	
15	4289806	4	• Seat, Exhaust Valve	
16	4198328	1	Gasket, Cylinder Head	1.15mm
16	4198329	1	Gasket, Cylinder Head	1.20mm
16	4198330	1	Gasket, Cylinder Head	1.25mm
16	4198331	1	Gasket, Cylinder Head	1.30mm
16	4198332	1	Gasket, Cylinder Head	1.35mm
17	2810959	1	Switch, Thermo	

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5.1 Valve and Rocker Arm

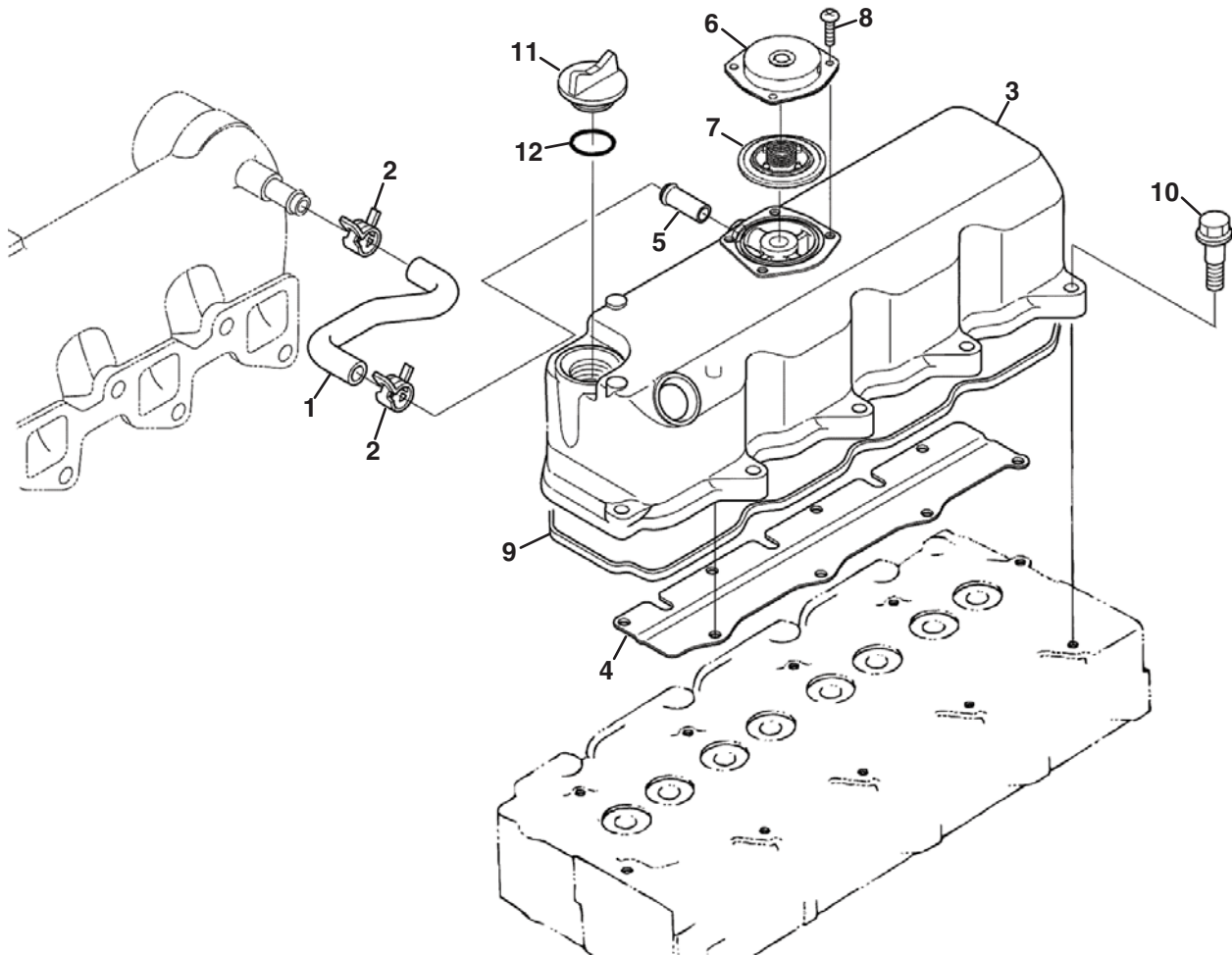


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289837	4	Valve, Inlet	Set
2	4289838	4	Valve, Exhaust	
3	4289850	8	Spring, Valve	
4	553028	8	Retainer, Valve Sp.	
5	4134385	8	Collet, Valve Spring	
○ 6	553030	8	Seal (Valve Stem)	
7	4289851	8	Cap, Valve	
8	4159660	1	Shaft, Rocker Arm	
9	553033	4	Bracket, Rocker Arm	
10	553037	3	Spring, Rocker Arm	
11	4137828	4	Bolt, Flange	
12	4138201	1	Spring Pin	
13	553036	2	Washer, R-arm.shaft	
14	594353	2	Washer, Plain	
15	550409	2	Washer, Spring Lock	
16	594338	2	Hex Bolt	
17	5002804	8	Arm, Rocker, Assembly	
18	4289853	8	• Screw, Adjusting	
19	4138207	8	• Nut	
○	Included in Upper Gasket Kit 4289811 See 1.1			

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6.1 Head Cover

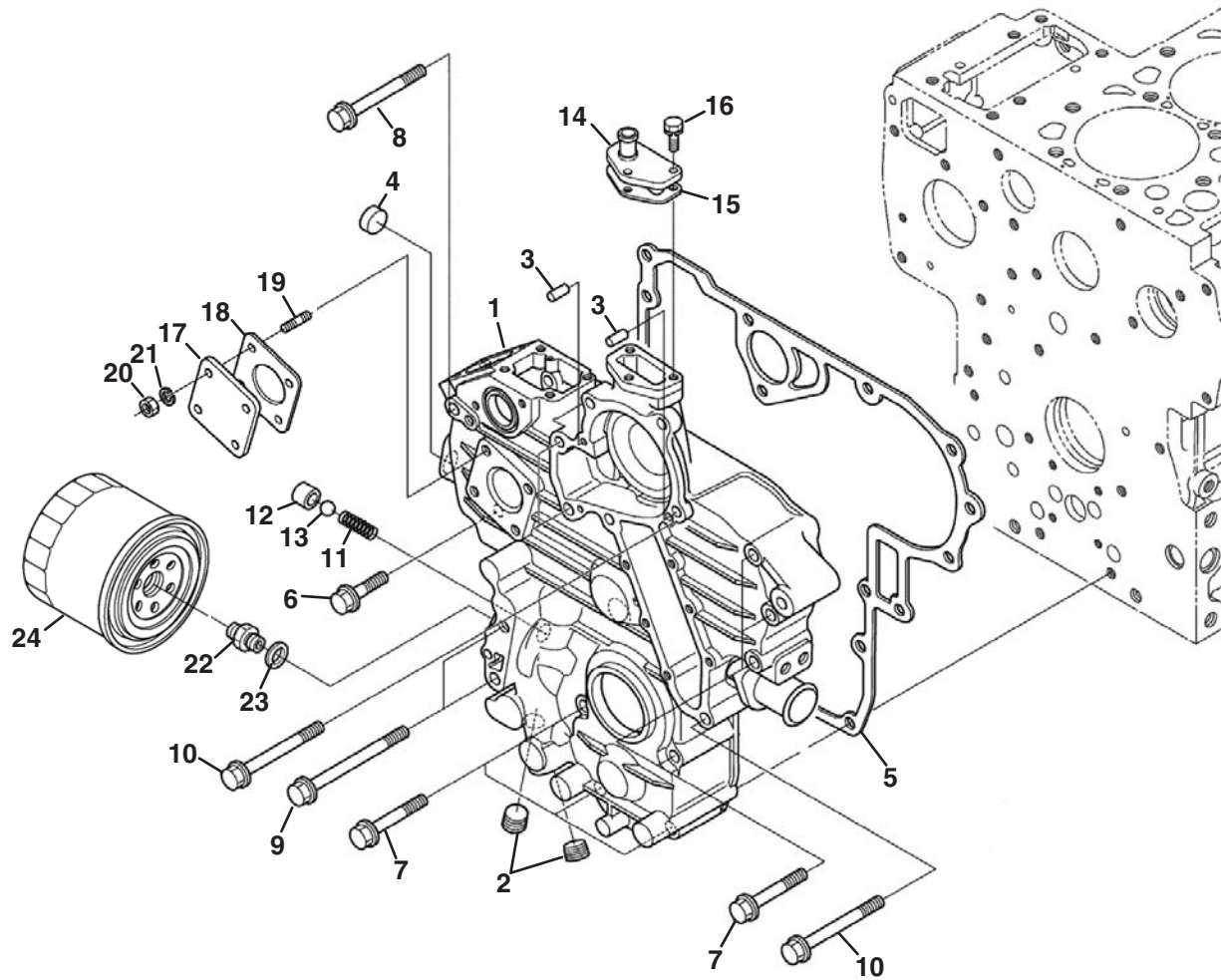


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289845	1	Tube, Breather	
2	4134368	2	Clamp, Hose	
3	4198340	1	Assembly Cover, Cyl. Head	
4	N/S	1	• Baffle	
5	4134204	1	• Pipe, Water Return	
6	4145911	1	• Cover, Breather	
7	4145912	1	• Comp Valve, Breather	
8	4165421	4	• Screw, Pan Head	
○ 9	4134208	1	Gasket, Head Cover	
10	4134209	10	Bolt	
11	4134210	1	Plug, Oil Filler	
○ 12	4134211	1	O Ring	
○	Included in Upper Gasket Kit 4289811 See 1.1			

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7.1 Gear Case

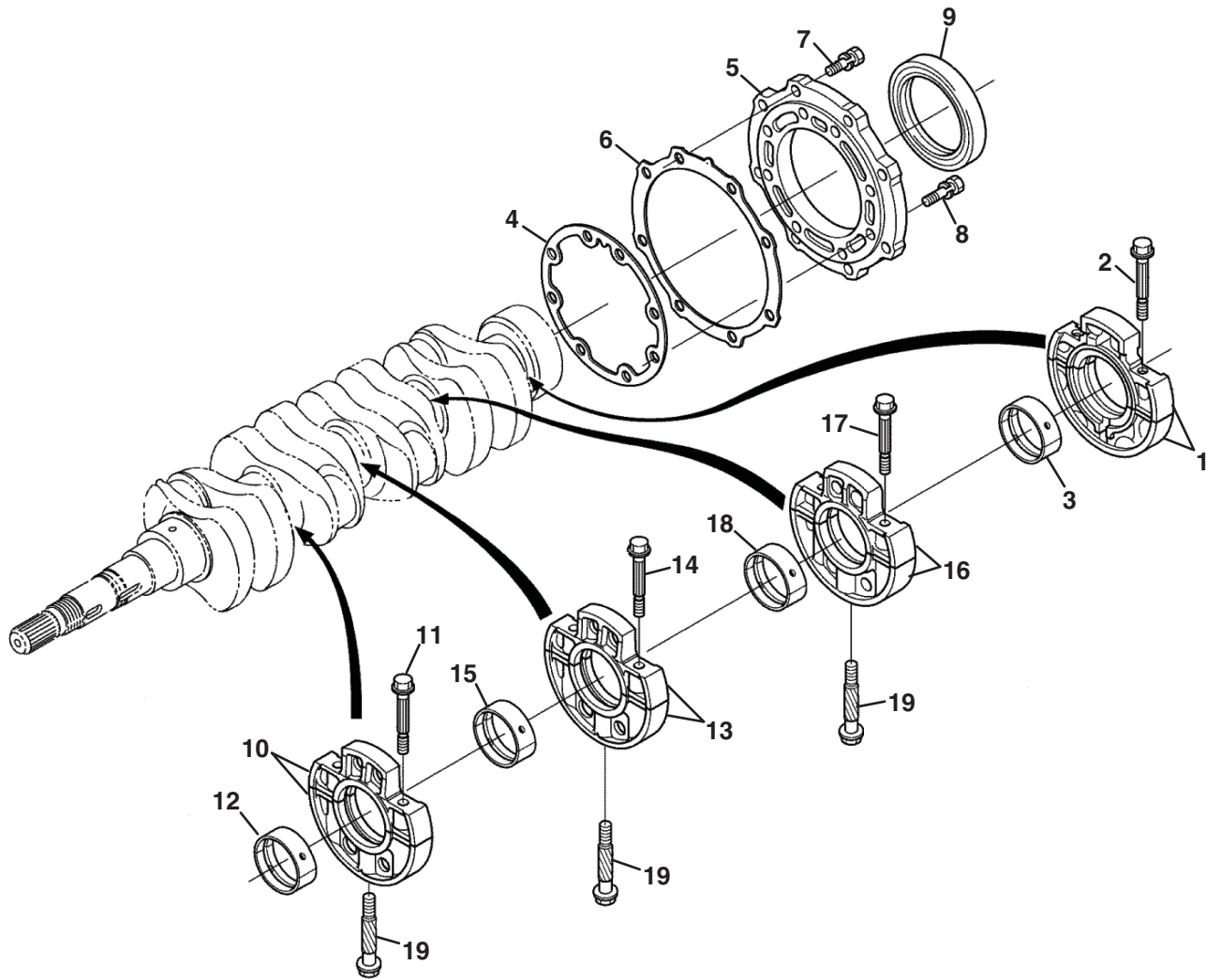


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4198388	1	Comp. Case Gear	
2	5001255	2	Plug	
3	594369	2	Pin, Straight	
4	4137886	1	Cap, Sealing	
<input type="checkbox"/> 5	4289818	1	Gasket, Gear Case	
6	4137901	1	Bolt, Flange	
7	4198240	7	Bolt, Flange	
8	4137829	1	Bolt, Flange	
9	4198361	2	Bolt, Flange	
10	4198161	4	Bolt, Flange	
11	552997	1	Spring	
12	552998	1	Seat, Valve	
13	594378	1	Ball	
14	552999	1	Flange, Water Return	
<input type="checkbox"/> 15	4134624	1	Gasket, Return Flange	
16	550364	3	Bolt, Sems	
17	553004	1	Cover	
<input type="checkbox"/> 18	4134625	1	Gasket, Hour Meter	
19	553003	4	Stud	
20	550395	4	Hex Nut	
21	550408	4	Washer, Spring Lock	
22	4198237	1	Joint, Pipe	
23	4198341	1	Collar, Valve Seat	
24	4113986	1	Cartridge, Oil Filter	
<input type="checkbox"/>	Included in Lower Gasket Kit 4289810 See 1.1			

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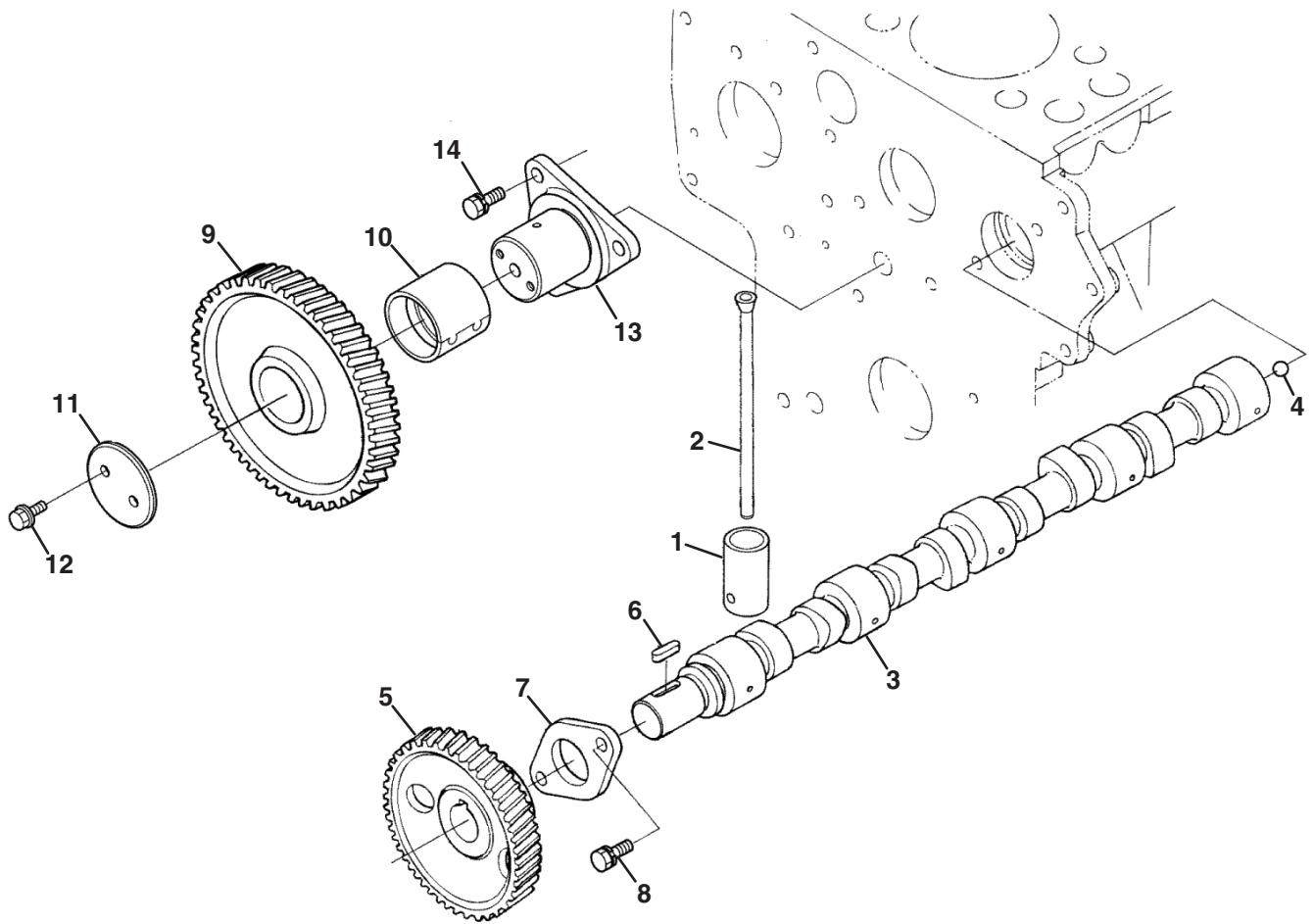
8.1 Main Bearing Case



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4198242	1	Assembly Brg. Case, Wheel	
2	4134220		• Bolt, Bearing Case 2	
● 3	4134221	1	• Metal, Crankshaft	STD Set
◆ 3	4134222	1	Metal, Crankshaft	-0.20mm Set
▲ 3	4134223	1	Metal, Crankshaft	-0.40mm Set
□ 4	4134224	1	Gasket, Bearing Case	
5	4134225	1	Cover, Bearing Case	
□ 6	4134226	1	Gasket, Case Cover	
7	594331	8	Bolt, Sems	
8	594332	8	Bolt, Sems	
□ 9	4289805	1	Seal, Oil	
10	4198301	1	Assembly Brg. Case, Main	
11	4134220	2	• Bolt, Bearing Case	
● 12	4134221	1	• Metal, Crankshaft	STD Set
◆ 12	4134222	1	Metal, Crankshaft	-0.20mm Set
▲ 12	4134223	1	Metal, Crankshaft	-0.40mm Set
13	4198302	1	Assembly Brg. Case, Main	
14	4134220	2	• Bolt, Bearing Case	
● 15	4134221	1	• Metal, Crankshaft	STD Set
◆ 15	4134222	1	Metal, Crankshaft	-0.20mm Set
▲ 15	4134223	1	Metal, Crankshaft	-0.40mm Set
16	4198303	1	Assembly Brg. Case, Main	
17	4134220	2	• Bolt, Bearing Case	
● 18	4134221	1	• Metal, Crankshaft	STD Set
◆ 18	4134222	1	Metal, Crankshaft	-0.20mm Set
▲ 18	4134223	1	Metal, Crankshaft	-0.40mm Set
19	556944	3	Bolt, Bearing Case	
●	4198367	1	Kit Metal, STD Engine	Includes Items marked ●
◆	4198368	1	Kit Metal, -0.20mm/+0.20mm Engine	Includes Items marked ◆
■	4198369	1	Kit Metal, -0.40mm/+0.40mm Engine	Includes Items marked ■
□	Included in Lower Gasket Kit 4289810 See 1.1			

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9.1 Camshaft and Idle Gear Shaft

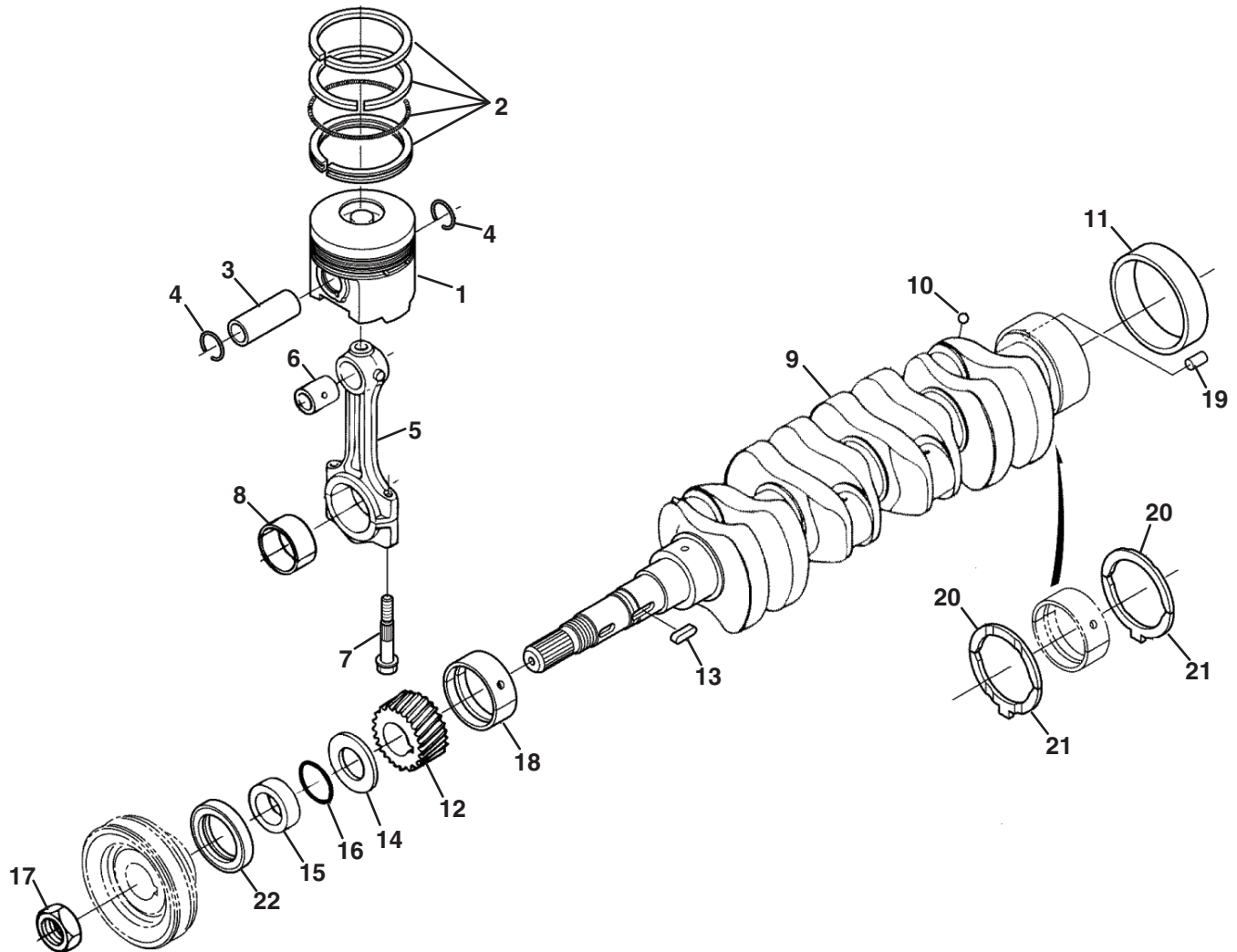


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	557322	8	Tappet	
2	4198304	8	Push Rod	
3	4289839	1	Assembly Camshaft	
4	2500953	1	• Ball 1/4	
5	4134233	1	• Gear, Camshaft	
6	594374	1	• Key, Feather	
7	553068	1	• Stopper, Camshaft	
8	550377	2	Bolt, Sems	
9	4159665	1	Comp. Gear, Idle	
10	4134234	1	• Bush, Idle Gear	
11	4289868	1	Collar, Idle Gear	
12	5003269	2	Bolt, Flange	
13	4134440	1	Shaft, Idle Gear	
14	550377	3	Bolt, Sems	

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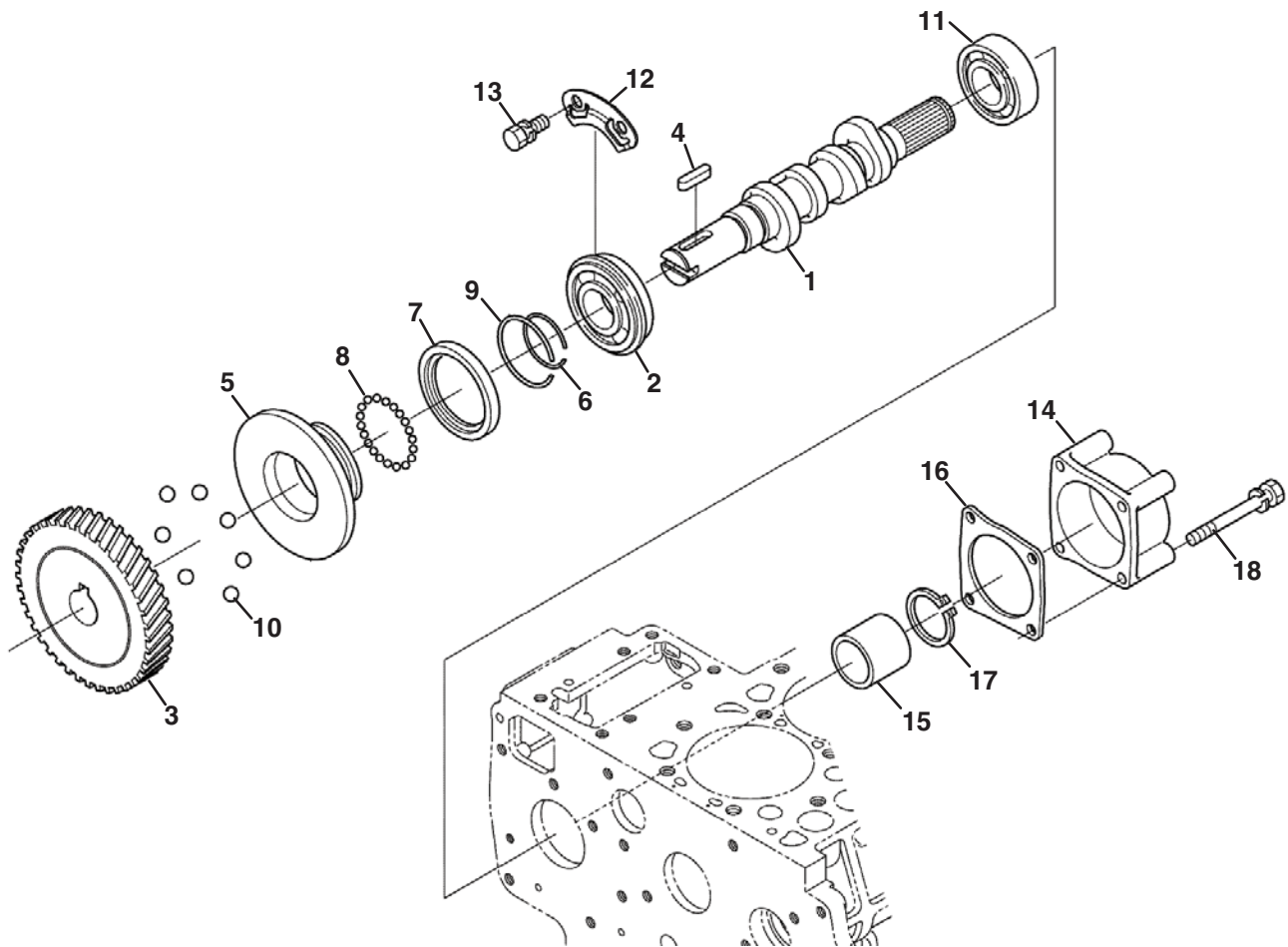
10.1 Piston and Crankshaft



Item	Part No.	Qty.	Description	Serial Numbers/Notes	
★	1	4289846	4	Piston	STD
▲	1	4289847	4	Piston	+0.25mm
★	2	4289820	4	• Assembly Piston Ring	STD
▲	2	4289821	4	• Assembly Piston Ring	+0.25mm
★▲	3	556964	4	• Pin, Piston	
★▲	4	4159662	8	• Cir Clip, Internal	
	5	556966	4	Rod, Connecting, Assembly	
★▲	6	556967	4	• Bush, Piston Pin	
	7	557331	8	• Bolt, Connecting Rod	
●	8	556968	4	• Metal, Crankpin	STD SET
◆	8	556969	4	Metal, Crankpin	-0.20mm SET
■	8	556970	4	Metal, Crankpin	-0.40mm SET
	9	4289835	1	Comp. Crankshaft	
	10	2500953	4	• Ball 1/4	
	11	553095	1	• Bush, Crankshaft	
	12	4289808	1	Gear, Crankshaft	
	13	4198165	1	Feather Key	
	14	556975	1	Oil Slinger	
	15	553088	1	Collar, Crankshaft	
□	16	594367	1	O Ring	
	17	553089	1	Nut, Crankshaft	
●	18	4134242	1	Metal, Crankshaft	STD
◆	18	4134243	1	Metal, Crankshaft	-0.20mm
■	18	4134244	1	Metal, Crankshaft	-0.40mm
	19	4198236	1	Pin, Straight	
●	20	4134245	2	Metal, Side	STD
◆	20	4134246	2	Metal, Side	+0.20mm
■	20	4134247	2	Metal, Side	+0.40mm
●	21	4134248	2	Metal, Side	STD
◆	21	4134249	2	Metal, Side	+0.20mm
■	21	4134250	2	Metal, Side	+0.40mm
□	22	556976	1	Seal, Oil	
●		4198367	1	Kit Metal, STD Engine	Includes Items marked ●
◆		4198368	1	Kit Metal, -0.20mm/+0.20mm Engine	Includes Items marked ◆
■		4198369	1	Kit Metal, -0.40mm/+0.40mm Engine	Includes Items marked ■
★		4289812	4	Kit, STD Piston	Includes Items marked ★
▲		4289814	4	Kit, +0.25mm Piston	Includes Items marked ▲
□	Included in Lower Gasket Kit 4289810 See 1.1				

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11.1 Fuel Camshaft and Governor Shaft

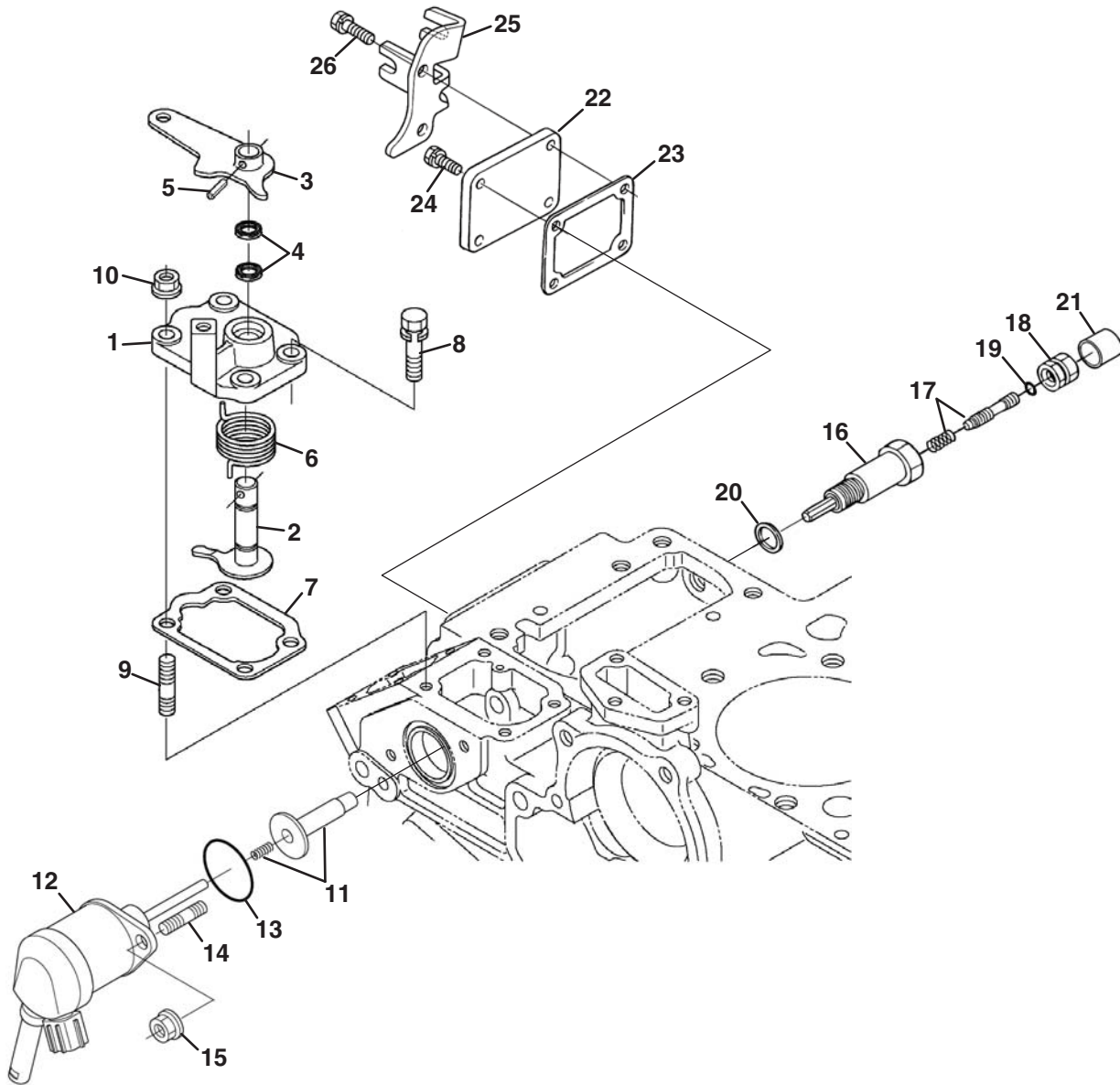


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289861	1	Assembly Camshaft, Fuel	
2	4289869	1	• Bearing, Ball	
3	557378	1	• Gear, Injection Pump	
4	594373	1	• Feather Key	
5	557379	1	• Sleeve, Governor	
6	553123	1	• Cir-clip, Gov. Sleeve	
7	4289848	1	• Case, Governor Ball	
8	550432	39	• Ball 5/32	
9	553125	1	• Cir-clip	
10	557336	7	• Ball	
11	4198372	1	Bearing, Ball	
12	4289862	1	Stopper, Fuel Camshaft	
13	4289798	2	Bolt, Sems	
14	4198169	1	Cover, Fuel Camshaft	
15	4198370	1	Collar	
□ 16	4198321	1	Gasket	
17	594360	1	Cir-clip, External	
18	4134407	4	Bolt, Sems	
□ Included in Lower Gasket Kit 4289810 See 1.1				

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12.1 Engine Stop and Idle Apparatus

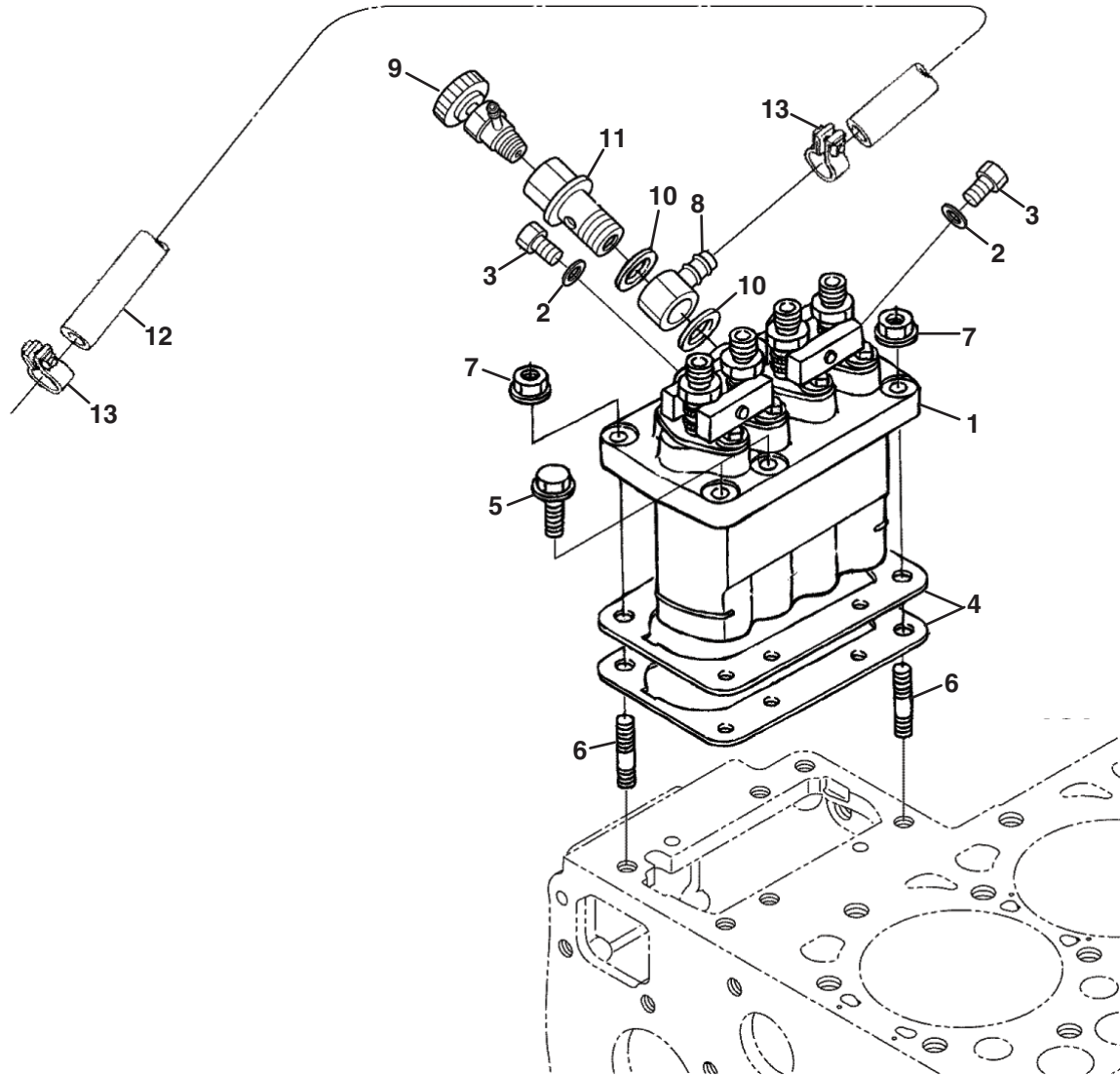


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289864	1	Assembly Lever, Eng. Stop	
2	4289865	1	• Comp. Lever, Stop	
3	4289866	1	• Lever, Engine Stop	
4	4289867	2	• Gasket	
5	4289800	1	• Pin, Spring	
6	4134266	1	• Spring, Return	
<input type="checkbox"/>	7	4134267	Gasket, Plate	
	8	550364	Bolt, Sems	
	9	553003	Stud	
	10	2810647	Nut, Flange	
	11	4134269	Comp. Guide, Solenoid	
	12	4134270	Assembly Solenoid	
<input type="checkbox"/>	13	4134271	O Ring	
	14	553003	Stud	
	15	2810647	Nut, Flange	
	16	4289832	Apparatus, Idling	
	17	4289831	Assembly Bolt, Adjustment	
	18	4134259	• Nut, Spring	
<input type="checkbox"/>	19	4134260	• Ring	
<input type="checkbox"/>	20	4134261	Gasket	
	21	4134259	Nut, Spring	
	22	4134172	Cover, Inj.pump	
<input type="checkbox"/>	23	553163	Gasket, Pump Cover	
	24	550362	Bolt, Sems	
	25	4134174	Bracket, Accel.cable	
	26	550364	Bolt, Sems	
<input type="checkbox"/>	Included in Lower Gasket Kit 4289810 See 1.1			

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13.1 Injection Pump

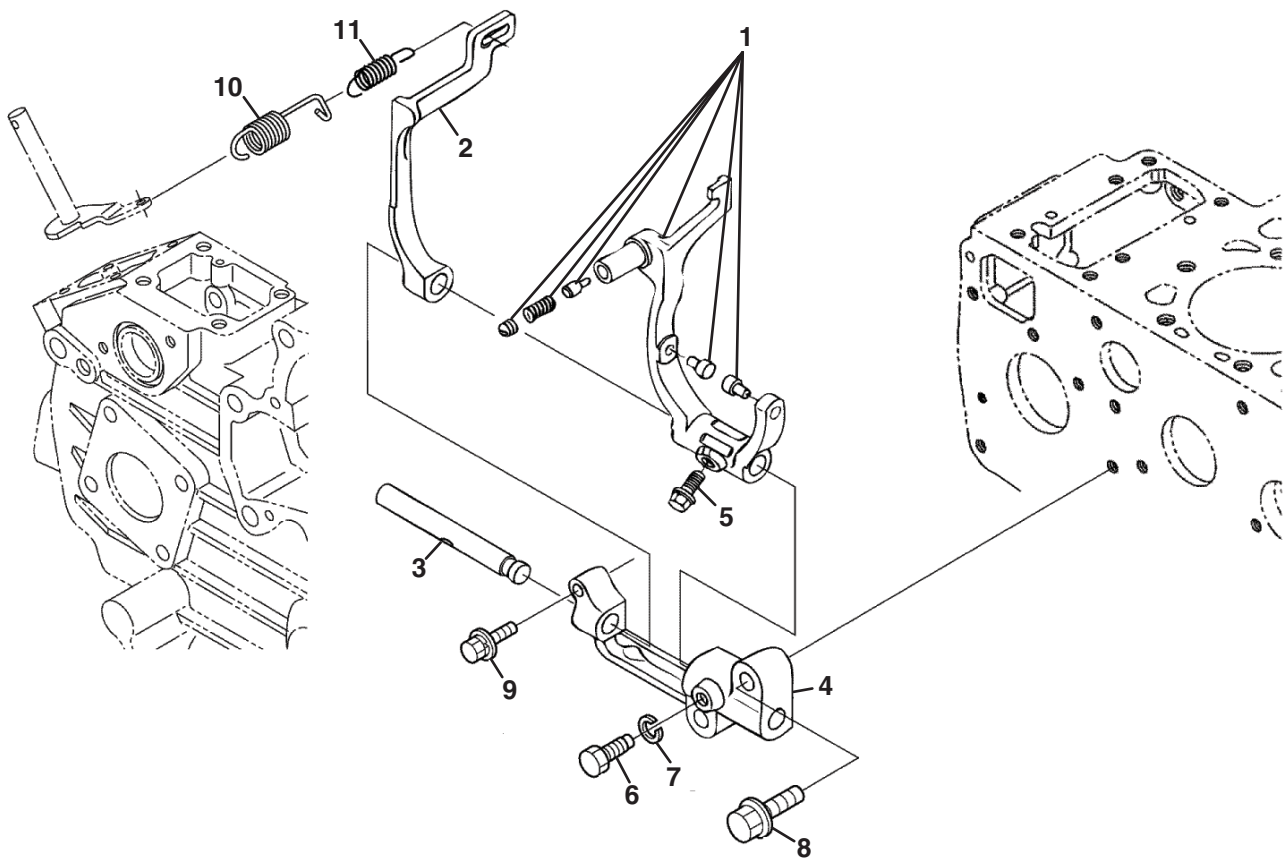


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1		4289840	Assembly Pump, Injection 1	
<input type="checkbox"/>	2	2	4289802	• Gasket	
	3	2	4289801	• Screw, Air Bleeder	
	4	1	4198375	Shim, Injection	0.175mm
	4	1	5000884	Shim, Injection	0.200mm
	4	1	4134275	Shim, Injection	0.250mm
	4	1	4134276	Shim, Injection	0.300mm
	4	1	4289822	Shim	0.350mm
	5	4	4137820	Bolt, Flange	
	6	2	553024	Stud	
	7	2	4137803	Nut, Flange	
	8	1	4281637	Joint, Eye	
	9	1	553118	Assembly Cock, Jet Start	
<input type="checkbox"/>	10	2	4289858	Gasket	
	11	1	4289857	Bolt, Eye Joint	
	12	1	2501173	Assembly Pipe, Fuel	
	13	2	4138284	• Clip, Pipe	
<input type="checkbox"/>	Included in Lower Gasket Kit 4289810 See 1.1				

> Change from previous revision

14.1 Governor

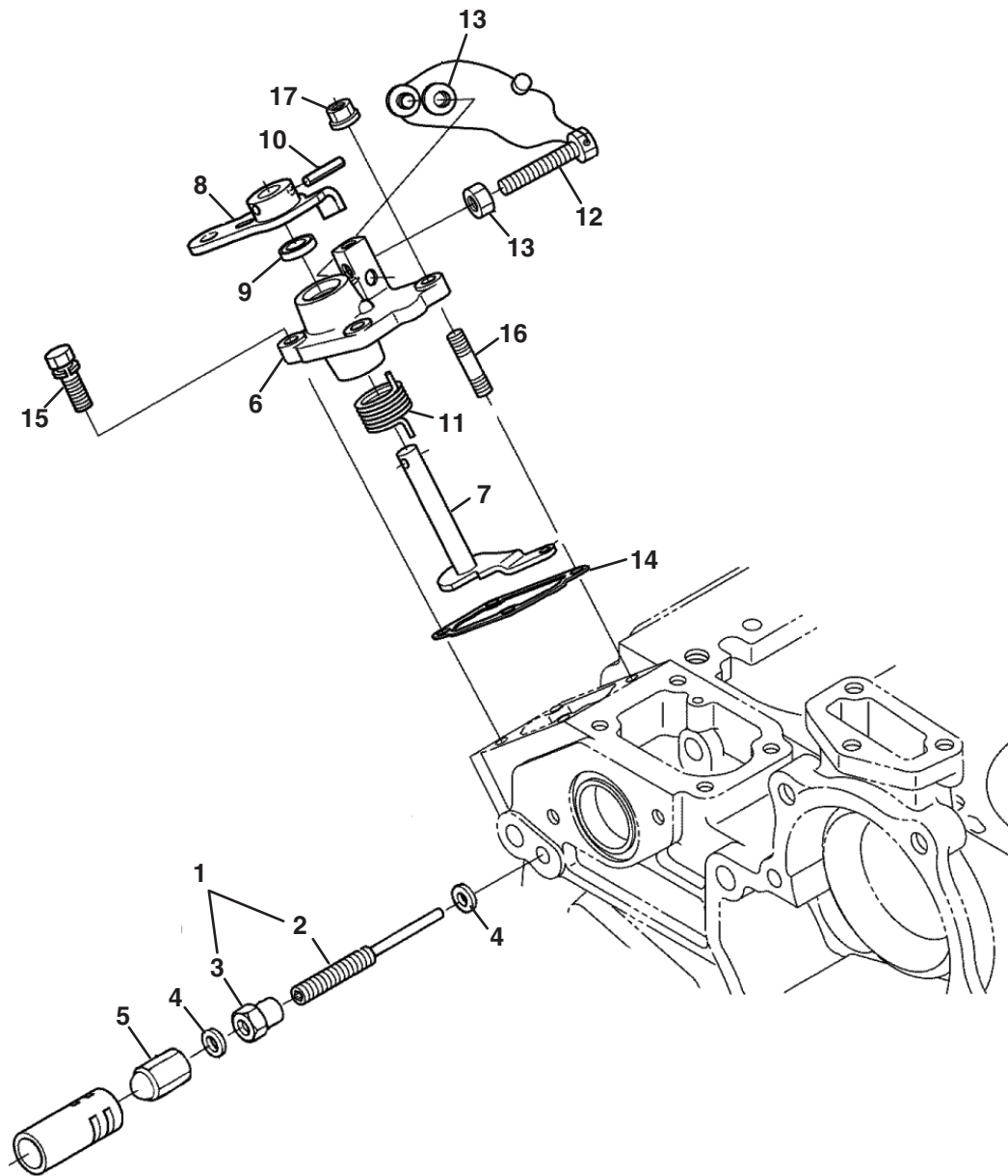


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289843	1	Assembly Lever, Fork	
2	4134278	1	• Lever, Fork	
3	4134279	1	• Shaft, Fork Lever	
4	552992	1	• Holder, Fork Lever	
5	4138085	1	• Bolt, Flange	
6	553137	1	• Bolt	
7	550408	1	• Washer, Spring Lock	
8	4137901	2	Bolt, Flange	
9	4138284	1	Bolt	
10	4289815	1	Spring Governor,1	
11	4289833	1	Spring, Governor	

> Change from previous revision

15.1 Speed Control Plate

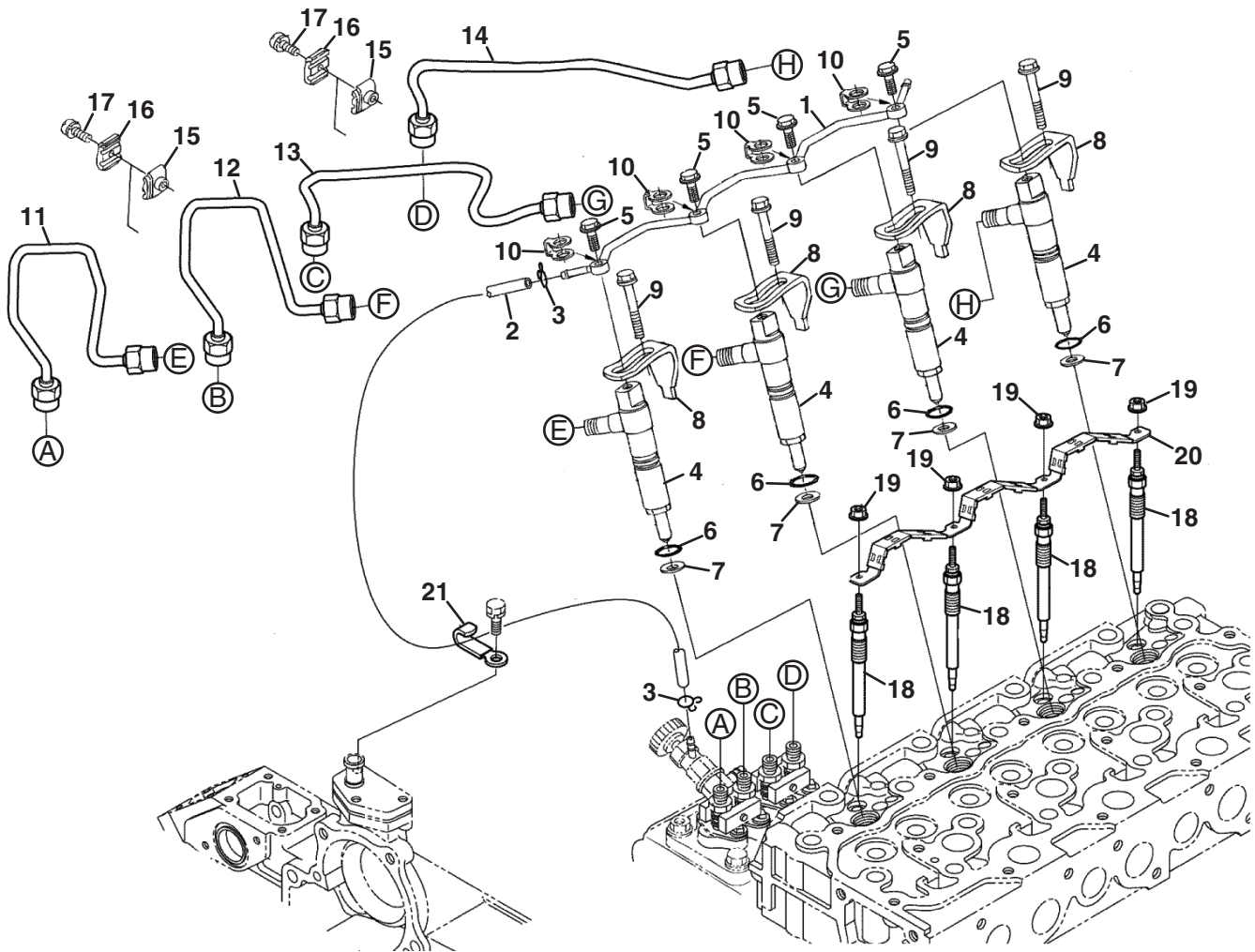


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4134289	1	Assembly Bolt, Adjustment	
2	4198238	1	• Bolt, Adjusting	
3	553142	1	• Nut	
<input type="checkbox"/> 4	553143	2	Gasket	
5	553879	1	Nut	
6	4134290	1	Assembly Plate, Control	
7	4134291	1	• Comp. Lever, Governor	
8	4134292	1	• Lever, Speed Control	
<input type="checkbox"/> 9	4198212	1	• Seal, Oil	
10	550425	1	• Pin, Spring	
11	4134266	1	• Spring, Return	
12	4289809	2	• Bolt, Wired	
13	550395	2	• Hex.nut	
<input type="checkbox"/> 14	4134267	1	Gasket, Plate	
15	550364	2	Bolt, Sems	
16	553003	2	Stud	
17	2810647	2	Nut, Flange	
<input type="checkbox"/>	Included in Lower Gasket Kit 4289810 See 1.1			

> Change from previous revision

16.1 Nozzle Holder and Glow Plug

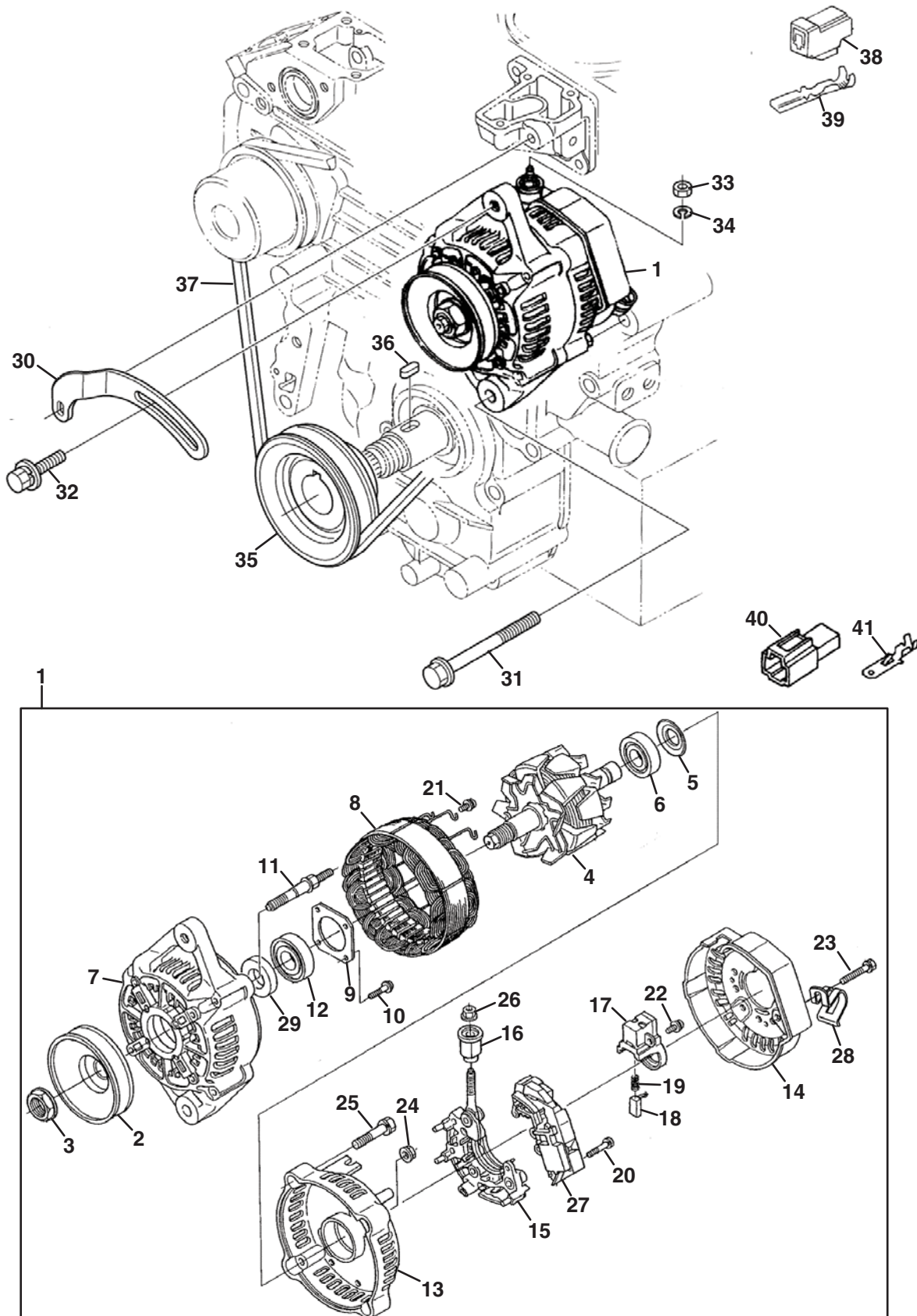


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1	4289859	1	Assembly Pipe, Over Flow	
	2	4289856	1	Assembly Tube, Fuel	
	3	553105	2	Clip, Pipe	
	4	4289841	4	Assembly Holder, Nozzle	
	5	4138036	4	Bolt, Eye Joint	
○	6	2809954	4	O Ring	
○	7	4251732	4	Gasket	
	8	4289842	4	Clamp, Nozzle	
	9	4289860	4	Bolt, Clamp	
○	10	4138037	4	Gasket	
	11	4289823	1	Pipe, Injection	
	12	4289825	1	Pipe, Injection	
	13	4289826	1	Pipe, Injection	
	14	4289827	1	Pipe, Injection	
	15	554054	2	Clamp, Pipe	
	16	554055	2	Clamp, Pipe	
	17	550401	2	Screw, Sems	
	18	4289844	4	Glow Plug	
	19	5001152	4	• Nut, Flange	
	20	4289834	1	Cord, Glow Plug	
	21	2501170	1	Clamp, Hose	
○	Included in Upper Gasket Kit 4289811 See 1.1				

> Change from previous revision

17.1 Alternator

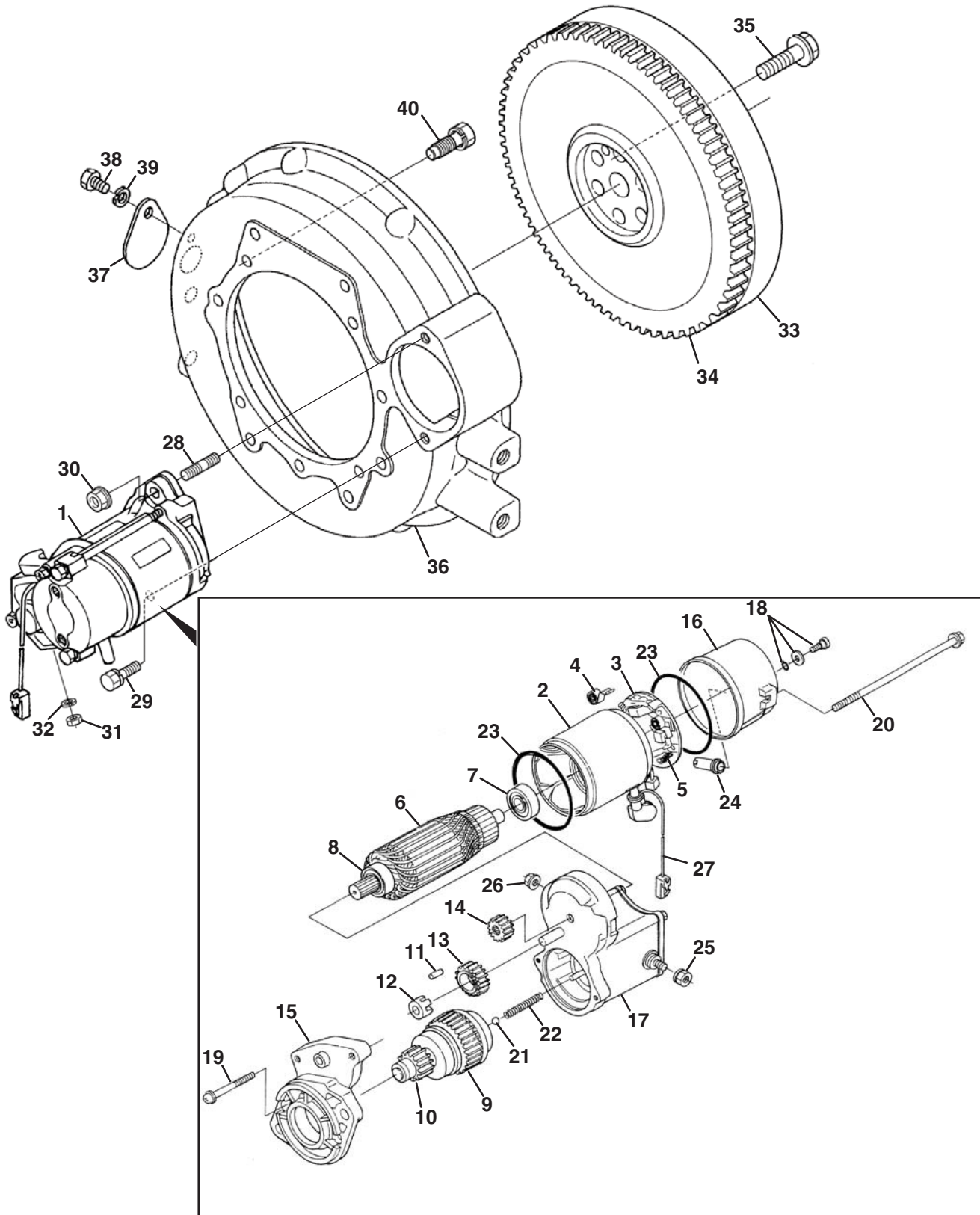


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5000938	1	Alternator Assembly	12V 45A
2	5002415	1	• Pulley, Alternator	
3	557948	1	• Nut	
4	4134327	1	• Rotor	
5	557951	1	• • Cover, Bearing	
6	4134328	1	• • Bearing, Ball	
7	4134329	1	• Frame, Drive End	
8	N/S	1	• • Stator	
9	5001210	1	• • Plate, Retainer	
10	557956	4	• • Screw, Round Head	
11	557957	2	• • Bolt, Through	
12	557958	1	• • Bearing, Ball	
13	4134331	1	• Frame, End	
14	4134332	1	• Cover, End	
15	5002916	1	• Assembly Rectifier	
16	4134337	1	• Bush, Insulation	
17	557963	1	• Holder, Brush	
18	557964	2	• • Brush	
19	557965	2	• • Spring, Brush	
20	557966	2	• Screw, Round Head	
21	557967	6	• Screw, Round Head	
22	557968	1	• Screw, Round Head	
23	557969	3	• Bolt	
24	557970	2	• Nut	
25	557971	2	• Bolt	
26	557972	1	• Nut	
27	2810355	1	• Assembly Regulator	
28	4134341	1	• Clamp, Cord	
29	557949	1	• Collar	
30	4134319	1	Stay, Dynamo	
31	4289799	1	Bolt, Flange	
32	4134321	1	Bolt, W Sems	
33	550395	1	Hex.nut	
34	550408	1	Washer, Spring Lock	
35	4289828	1	Pulley, Fan Drive	
36	594374	1	Key, Feather	
37	4289829	1	V Belt	39in
	4134324	1	Assembly Coupler	
38	4134325	1	• Connector	
39	4134326	2	• Terminal	
40	4198210	1	Assembly Coupler	
41	4198231	1	• Terminal	

> Change from previous revision

18.1 Starter and Flywheel

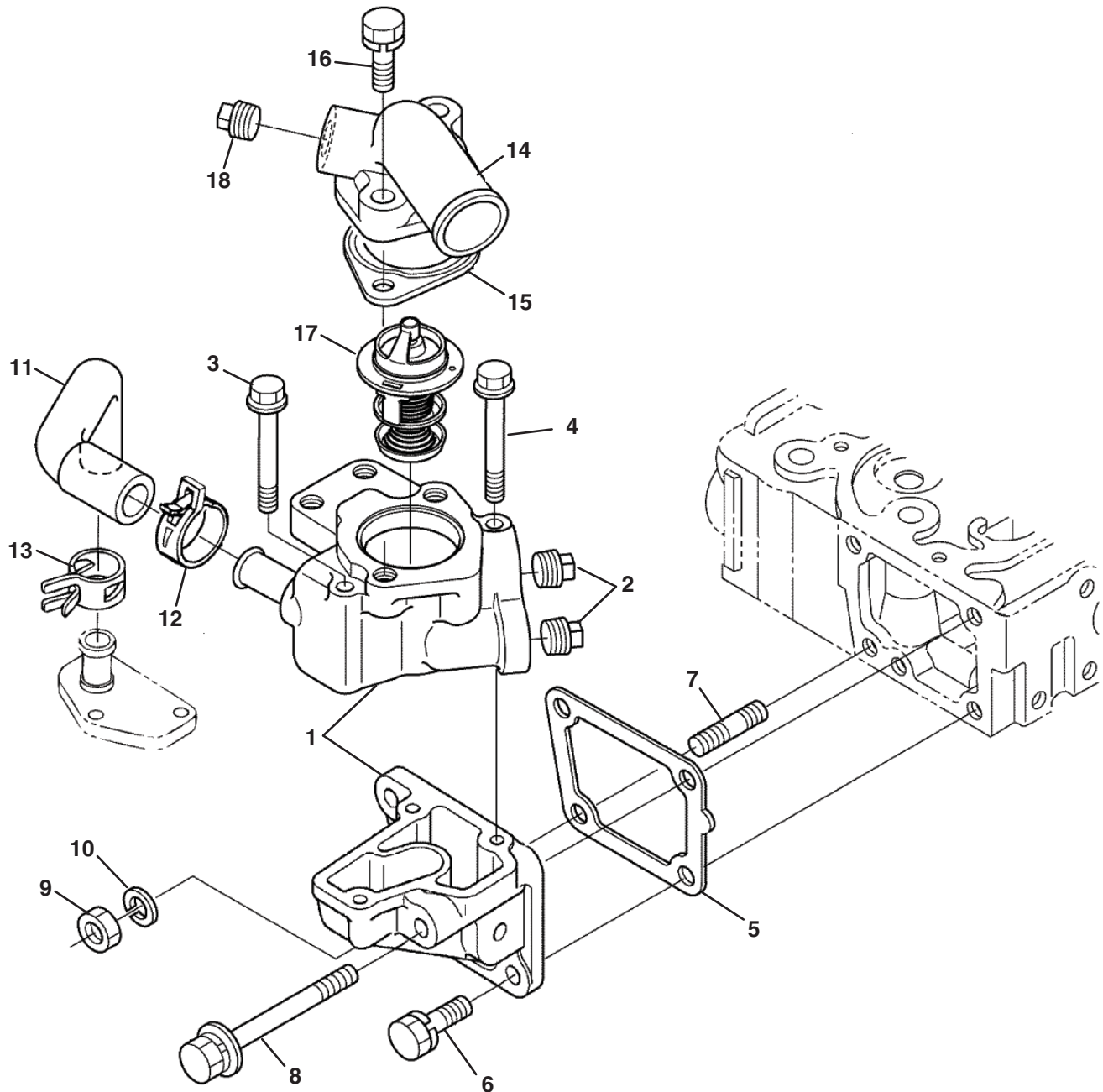


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4198229	1	Assembly Starter	12V 2.0kW
2	4198216	1	• Yoke	
	4198221	1	• Holder, Brush	
3	4289804	2	• • Brush, Kit	
4	4198217	4	• • Spring	
5	4289803	4	• • Spring, Brush	
6	4198215	1	• Armature	
7	4198222	1	• • Bearing	
8	557892	1	• • Bearing	
9	4198214	1	• Clutch, Over Running	
10	5001307	1	• • Gear, Pinion	
11	557902	5	• Roller	
12	557903	1	• Retainer	
13	2810751	1	• Gear	
14	4198219	1	• Gear	
15	4198213	1	• Frame, Drive End	
16	4198218	1	• Frame, End	
17	4198130	1	• Assembly Switch, Magnetic	
18	4198223	2	• Screw	
19	4198224	2	• Screw	
20	4198220	2	• Bolt, Through	
21	557904	1	• Ball	
22	557905	1	• Spring	
23	5003288	2	• O Ring	
24	4198201	1	• Pipe, Drain	
25	5001183	1	• Nut, Hexagon	
26	557912	1	• Nut, Hexagon	
27	557913	1	• Cord, Stop Solenoid	
28	594345	1	Bolt, Stud	
29	594337	1	Bolt, Sems	
30	4251684	1	Nut, Flange	
31	550395	1	Hex.nut	
32	550409	1	Washer,spring Lock	
33	4198365	1	Comp. Flywheel	
34	4198239	1	• Gear, Ring	
35	4198377	6	Bolt ,flywheel	
36	4198364	1	Housing, Flywheel	
37	557332	1	Cover	
38	594338	1	Hex.bolt	
39	550409	1	Washer, Spring Lock	
40	4134252	11	Bolt	

> Change from previous revision

19.1 Water Flange and Thermostat

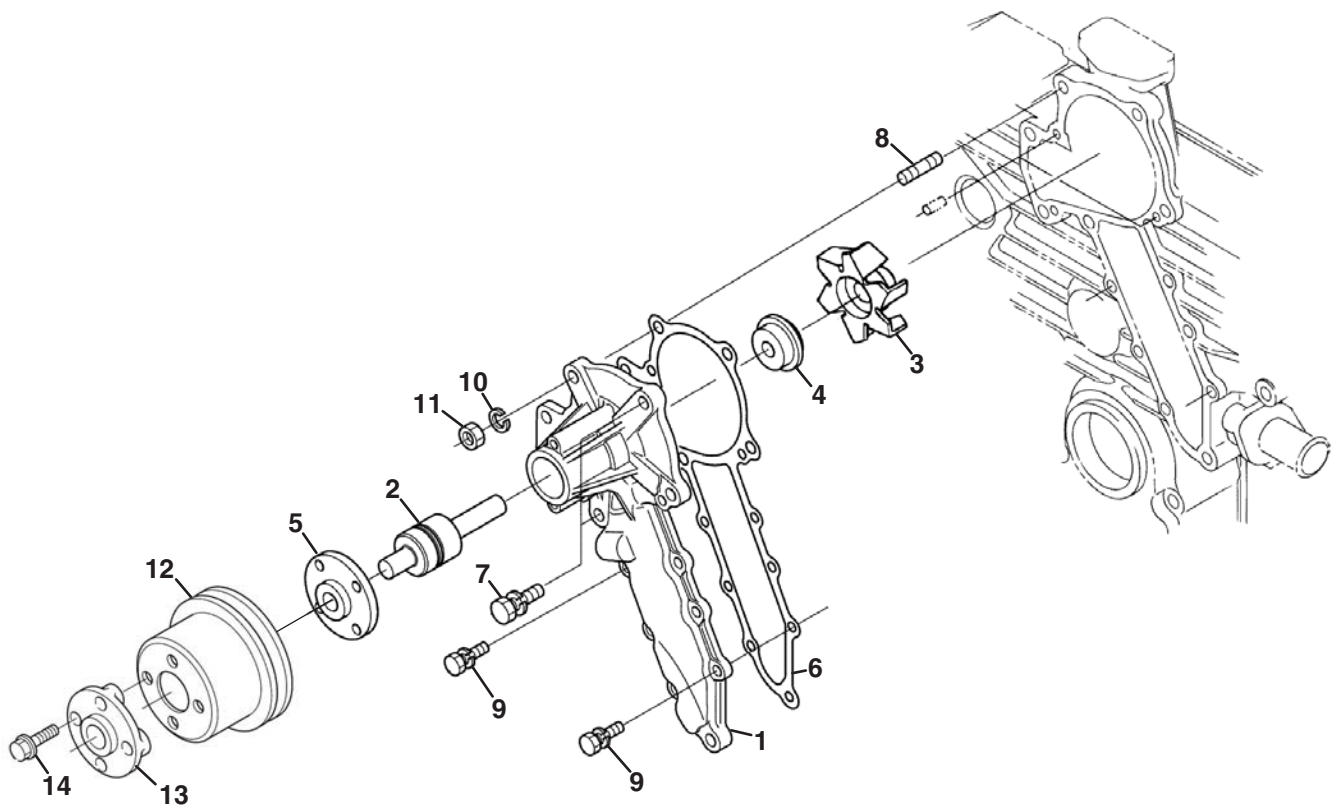


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1	4198342	1	Comp. Flange, Water	
	2	4134361	2	• Plug	
	3	4134362	2	• Bolt, Flange	
	4	4134363	1	• Bolt, Flange	
○	5	4134364	1	Gasket, Water Flange	
	6	4113985	2	Bolt, Sems	
	7	553024	1	Stud	
	8	4134365	1	Bolt	
	9	550398	1	Hex Nut	
	10	550409	1	Washer, Spring Lock	
	11	4134366	1	Pipe, Water Return	
	12	4198233	1	Clamp, Hose	
	13	4134368	1	Band, Hose	
	14	4134369	1	Cover, Thermostat	
○	15	4134370	1	Gasket, Thermostat	
	16	594334	2	Bolt, Sems	
	17	4289863	1	Assembly Thermostat	
	18	4134361	1	Plug	
○	Included in Upper Gasket Kit 4289811 See 1.1				

> Change from previous revision

20.1 Water Pump

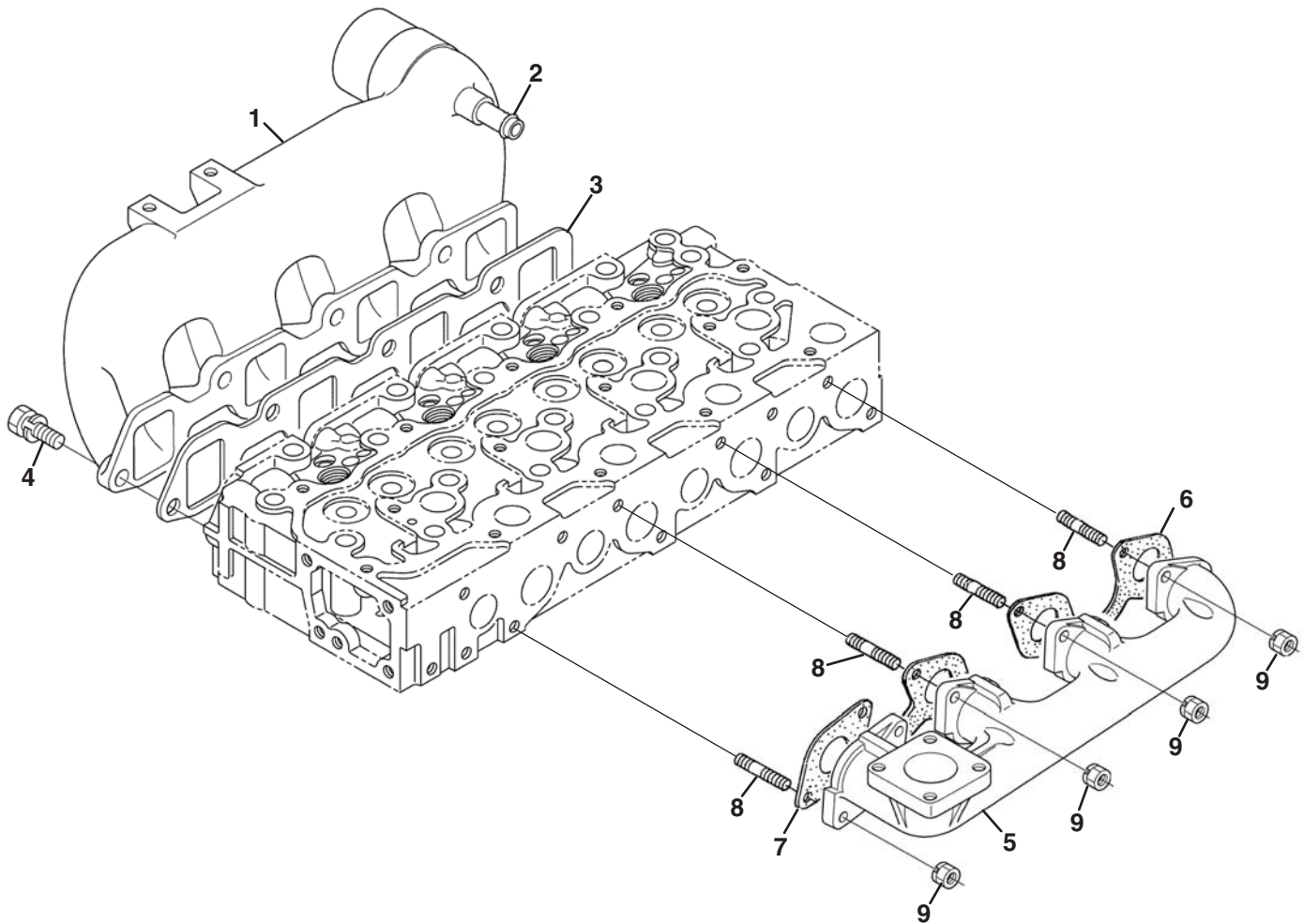


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
	4198243	1	Assembly Pump, Water	
1	4198300	1	• Body, Water Pump	
2	4198211	1	• Bearing	
3	4134375	1	• Impeller, Water Pump	
4	4134376	1	• Seal, Mechanical, Assembly	
5	4134377	1	• Flange, W/pump Shaft	
□	4134378	1	Gasket, Water Pump	
7	594332	2	Bolt, Sems	
8	4134379	1	Bolt, Stud	
9	550363	6	Bolt, Sems	
10	550409	1	Washer, Spring Lock	
11	550398	1	Hex Nut	
12	4198228	1	Pulley, Fan	
13	4134383	1	Collar, Fan	
14	4134384	4	Bolt, Flange	
□	Included in Lower Gasket Kit 4289810 See 1.1			

> Change from previous revision

21.1 Intake and Exhaust Manifolds

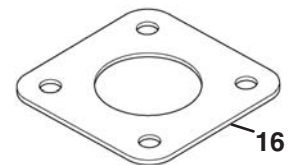
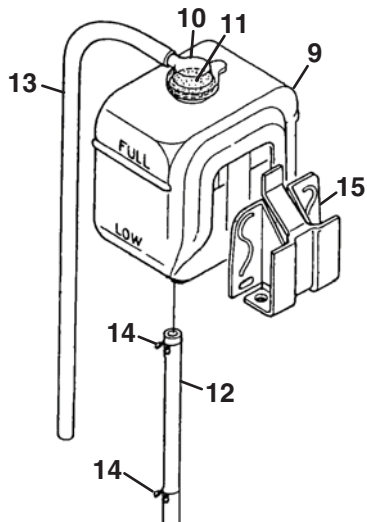
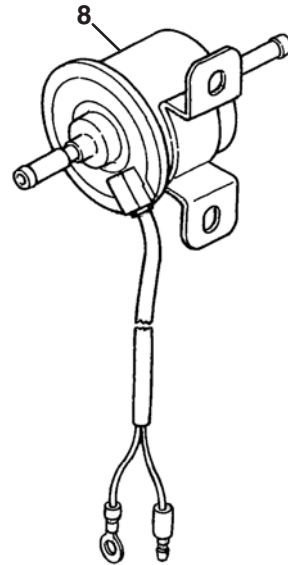
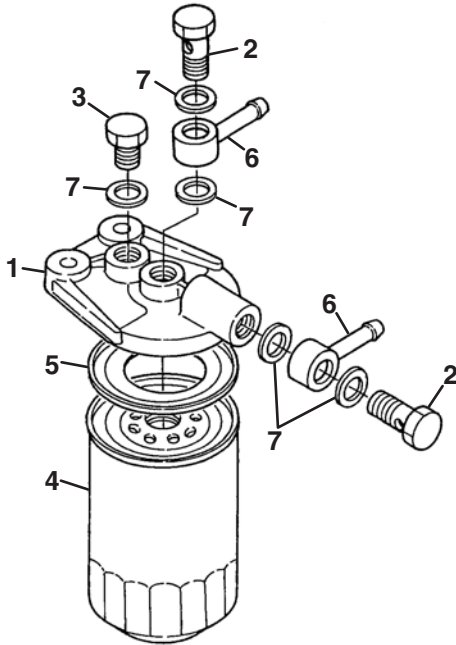


KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1	4289830	1	Assembly Manifold, Inlet	
	2	4134204	1	• Pipe, Return	
○	3	4289819	1	Gasket, In-manifold	
	4	550379	7	Bolt, Sems	
	5	4289849	1	Manifold, Exhaust	
○	6	4134392	1	Gasket, Ex-manifold	
○	7	4134393	1	Gasket, Ex-manifold	
	8	553024	8	Stud	
	9	4134395	8	Nut With Lock Washer	
○	Included in Upper Gasket Kit 4289811 See 1.1				

> Change from previous revision

22.1 Loose Components



KUBOTA V2403-M-DI-E3B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
	503626	1	Assembly Filter, Fuel	
1	4134312	1	• Cover, Filter	
2	4138103	2	• Bolt, Joint	
3	4134314	1	• Plug	
4	557619	1	• Element, Fuel Filter	
5	4138106	1	• Gasket	
6	4134317	2	• Connector	
7	4138107	5	• Gasket	
8	4132489	1	Assembly Pump, Fuel	
9	557367	1	Tank, Assembly (Reserve)	
10	557984	1	Cap	
11	2500815	1	Packing	
12	557370	1	Pipe, Water Over Flow	
13	557371	1	Pipe, Water Over Flow	
14	553914	2	Clip, Pipe	
15	557374	1	Stay, Reserve Tank	
○ 16	4134436	1	Gasket, Muffler	
○	Included in Upper Gasket Kit 4289811 See 1.1			

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