



## Engine Parts Manual

# Kubota® Diesel Engine

V2403-CR-T-E4B

Jacobsen AR722T™

Jacobsen R311T™

### **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

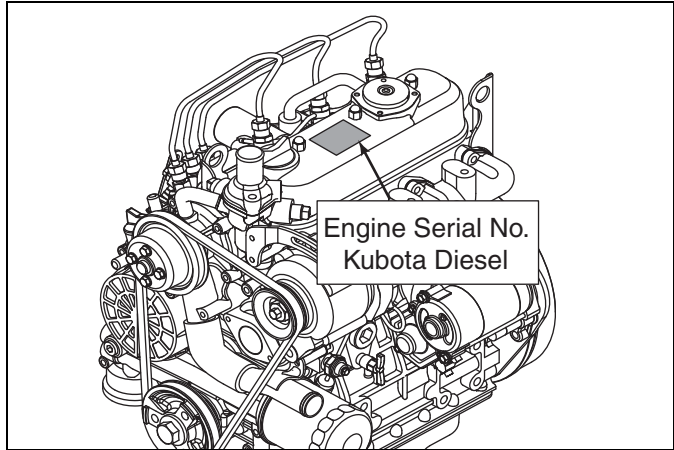
This manual contains a parts list for your Kubota Engine.

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		4297126	Water Separator Element
	4297133	Element, Fuel Filter		4297258	V-Belt, 40 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.

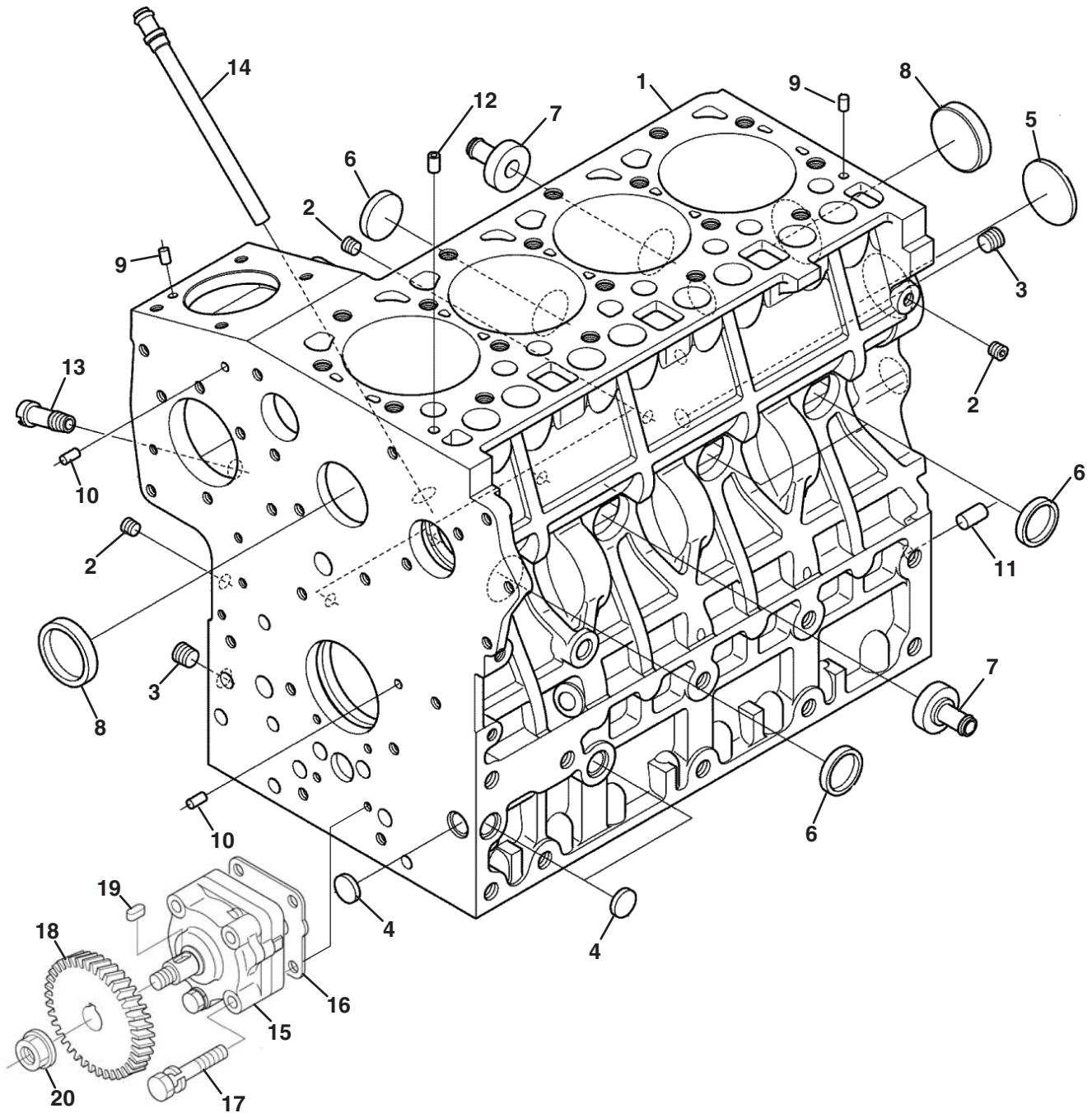
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# KUBOTA V2403-CR-T-E4B

Serial No. All

## 1.1 Crankcase



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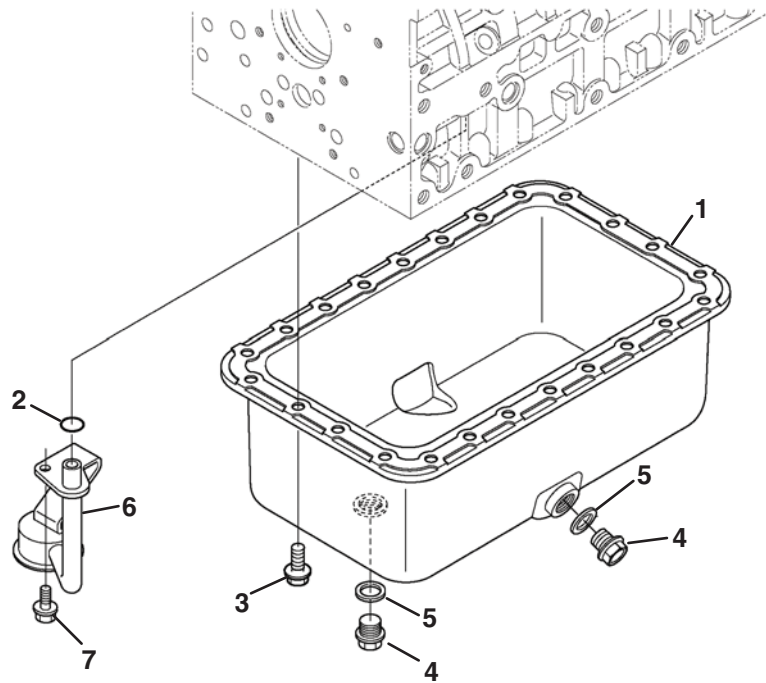
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297212	1	Comp. Crankcase Comp.	
2	552950	6	• Plug	
3	552951	2	• Plug	
4	5001308	3	• Plug, Concave	
5	2500877	1	• Plug, Concave	
6	552952	4	• Plug, Cup Type	
7	4297256	2	• Pipe, Comp Water	
8	552953	2	• Plug, Cup Type	
9	550423	2	• Pin, Straight	
10	594369	2	• Pin, Straight	
11	594370	1	• Pin, Straight	
12	552954	1	• Pin, Pipe	
13	4134170	1	• Pipe Water Return	
14	4297176	1	Comp. Pipe, Oil Return	
15	4198174	1	Assembly Pump, Oil	
16	4134218	1	Gasket, Oil Pump	
17	553842	4	Bolt, Sems	
18	4198226	1	Gear, Oil Pump Drive	
19	550427	1	Key, Feather	
20	556915	1	Nut	

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Serial No. All

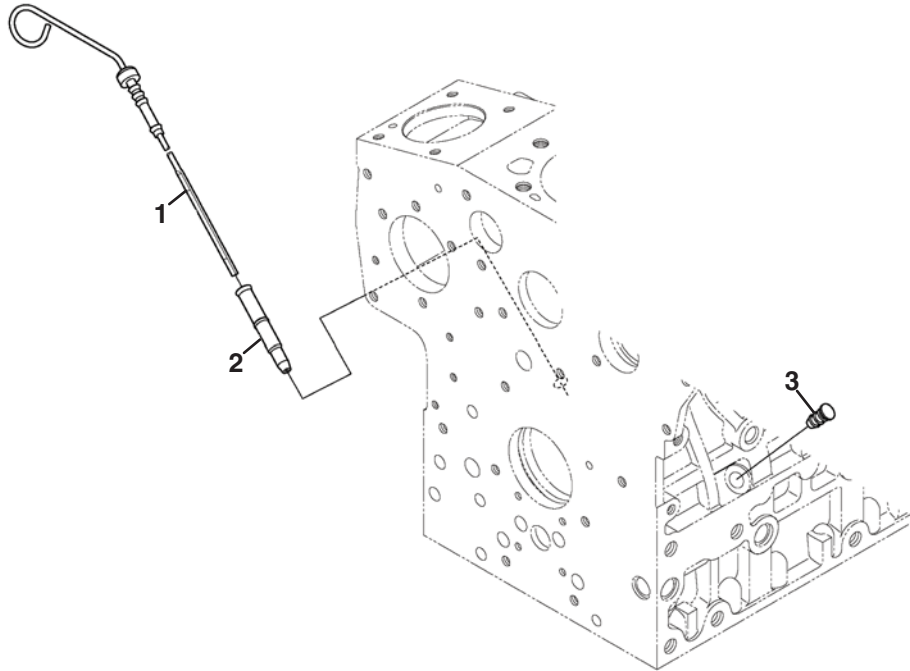
## 2.1 Oil Pan



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	556916	1	Comp. Oil Pan	
2	4134178	1	O Ring	
3	556918	24	Bolt, Flange	
4	4134176	2	Plug, Drain	
5	2500811	2	Gasket	
6	4134177	1	Filter, Oil	
7	4198160	1	Bolt, Flange	

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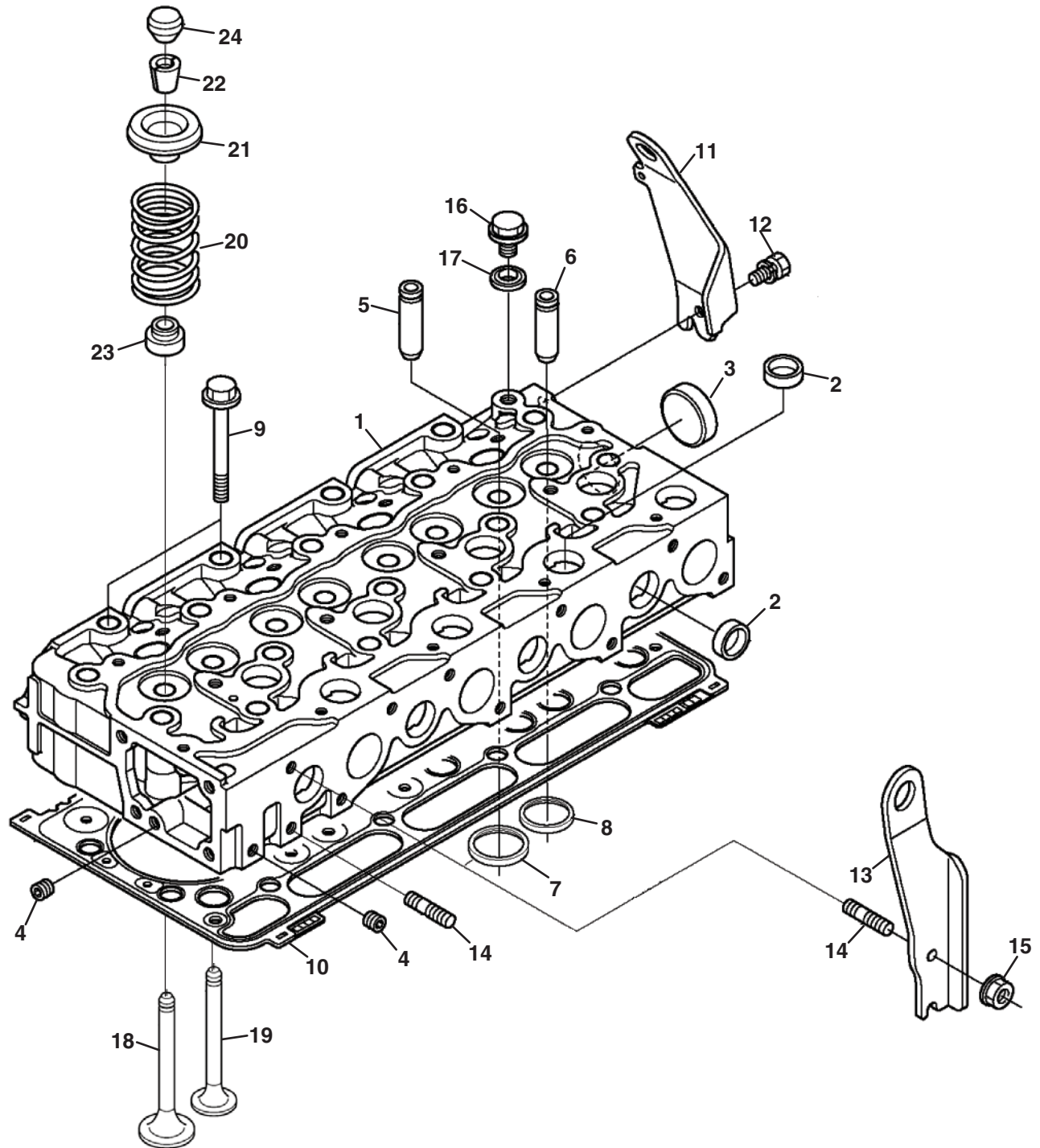
## 3.1 Oil Dipstick and Guide



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4289870	1	Gauge, Eng. Oil	
2	4111662	1	Guide, Gauge, Oil	
3	2812014	1	Plug, Oil Gauge	

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## 4.1 Cylinder Head



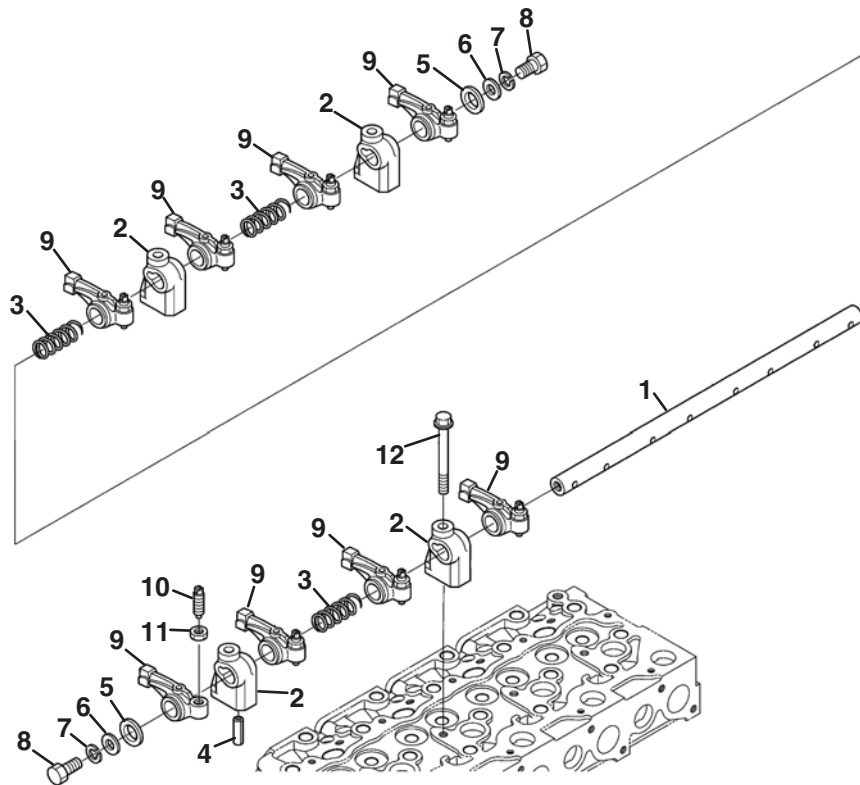


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Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297138	1	Comp. Cylinder Head	
2	552976	12	Plug, Cup Type	
3	552977	1	Plug, Cup Type	
4	552978	2	Plug	
5	4289852	4	Guide, Valve, Inlet	
6	556927	4	Guide, Exhaust Valve	
7	4289807	4	Seat, Inlet Valve	
8	4289806	4	Seat, Exhaust Valve	
9	556928	18	Bolt, Head, Cylinder	
10	4198329	1	Gasket, 1.20 mm Cylinder Head	
10	4198328	1	Gasket, 1.15 mm Cylinder Head	
10	4198330	1	Gasket, 1.25 mm Cylinder Head	
10	4198331	1	Gasket, 1.30 mm Cylinder Head	
10	4198332	1	Gasket, 1.35 mm Cylinder Head	
11	4297169	1	Hook, Engine, Rear	
12	4289891	1	Bolt, Sems	
13	4297168	1	Hook, Engine, Front	
14	4134179	2	Stud	
15	4134395	1	Nut, With Lock Washer	
16	556930	1	Plug	
17	556931	1	Washer, Seal	
18	4289837	4	Valve, Inlet	
19	4289838	4	Valve, Exhaust	
20	4289850	8	Spring, Valve	
21	553028	8	Retainer, Valve Sp.	
22	4134385	8	Collet, Valve Spring	Set
23	553030	8	Seal, Valve Stem	
24	4289851	8	Cap, Valve	

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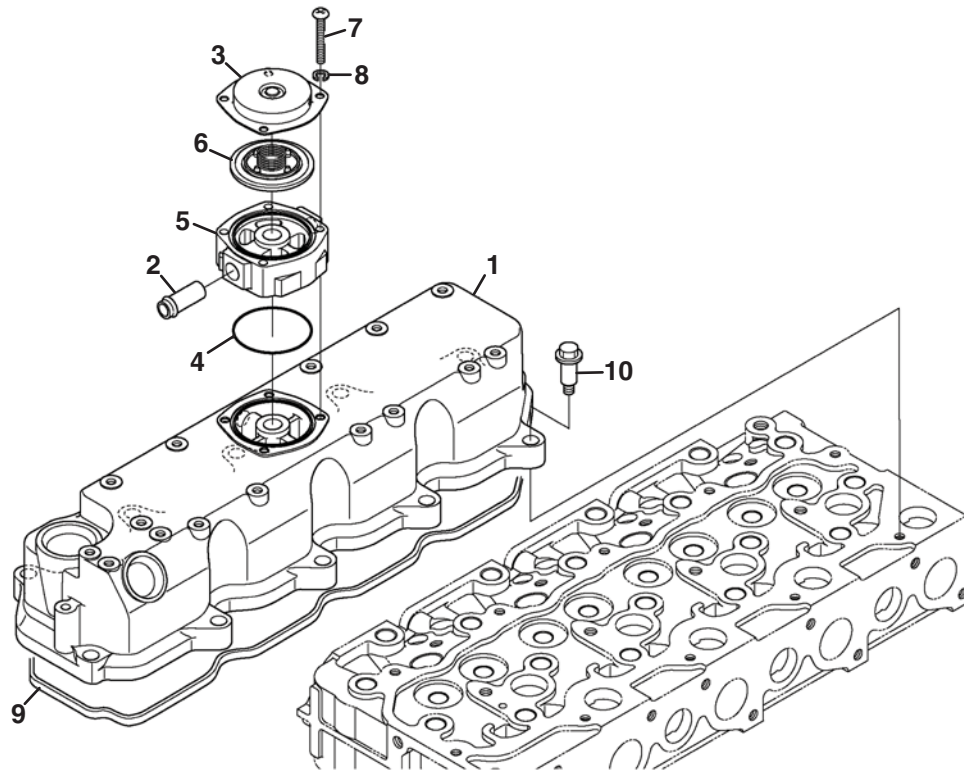
## 5.1 Rocker Arm Shaft



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4159660	1	Shaft, Rocker Arm	
2	553033	4	Bracket, Rocker Arm	
3	553037	3	Spring, Arm, Rocker	
4	4138201	1	Spring Pin	
5	553036	2	Washer, R-arm. Shaft	
6	4297105	2	Washer, Plain	
7	5002002	2	Washer, Spring Lock	
8	594338	2	Hex. Bolt	
9	5002804	8	Arm, Rocker, Assembly	
10	4289853	8	Screw, Adjusting	
11	4138207	8	Nut	
12	4137828	4	Bolt, Flange	

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## 6.1 Head Cover



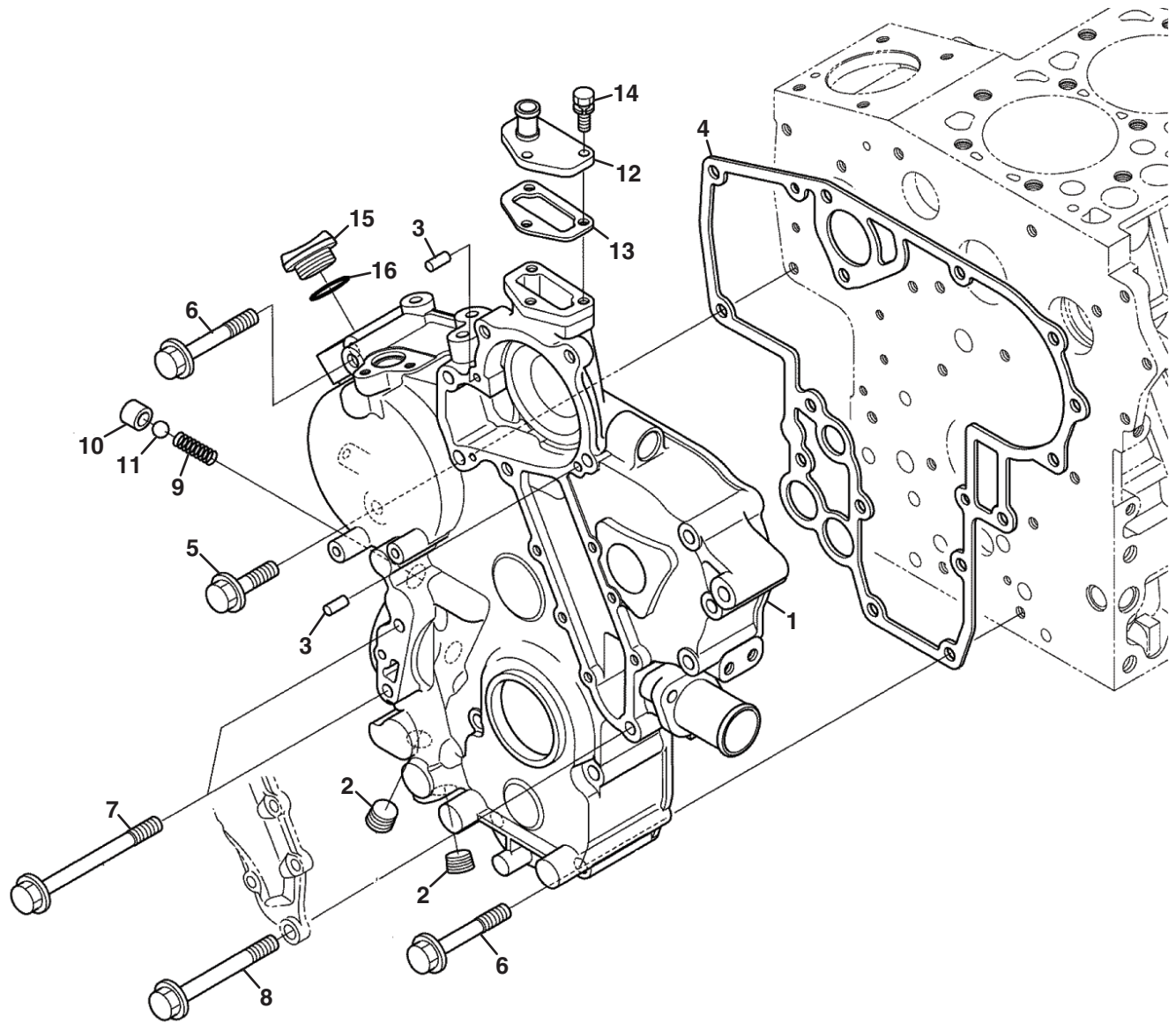
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297178	1	Cover, Assembly, Head, Cylinder	
2	4134204	1	Pipe, Water Return	
3	4145911	1	Cover, Breather	
4	4134206	1	O Ring, Breather	
5	4297179	1	Spacer, Breather	
6	4145912	1	Comp Valve, Breather	
7	4297104	4	Screw, Pan Head, Phill	
8	550407	4	Washer, Spring Lock	
9	4134208	1	Gasket, Head Cover	
10	4134209	10	Bolt	

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## 7.1 Gear Case

Serial No. All

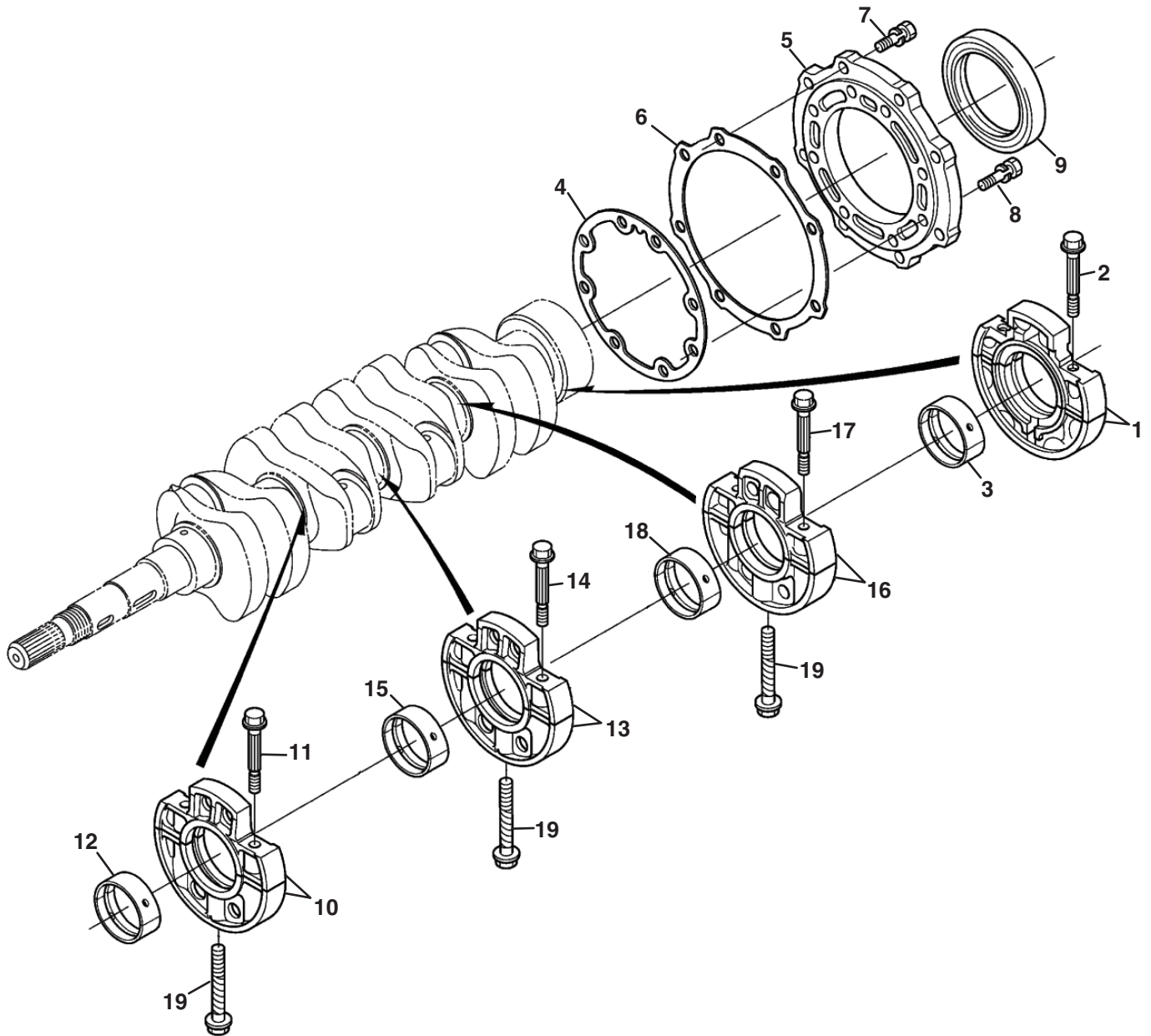


# KUBOTA V2403-CR-T-E4B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297170	1	Case, Gear, Comp	
2	5001255	2	Plug	
3	594369	2	Pin, Straight	
4	4297171	1	Gasket, Gear Case	
5	4137901	1	Bolt, Flange	
6	4198240	8	Bolt, Flange	
7	4198361	2	Bolt, Flange	
8	4198161	4	Bolt, Flange	
9	552997	1	Spring	
10	552998	1	Seat, Valve	
11	594378	1	Ball	
12	552999	1	Flange, Water Return	
13	4134624	1	Gasket, Return Flange	
14	550364	3	Bolt, Sems	
15	4134210	2	Plug, Oil Filler	
16	4134211	2	O Ring	

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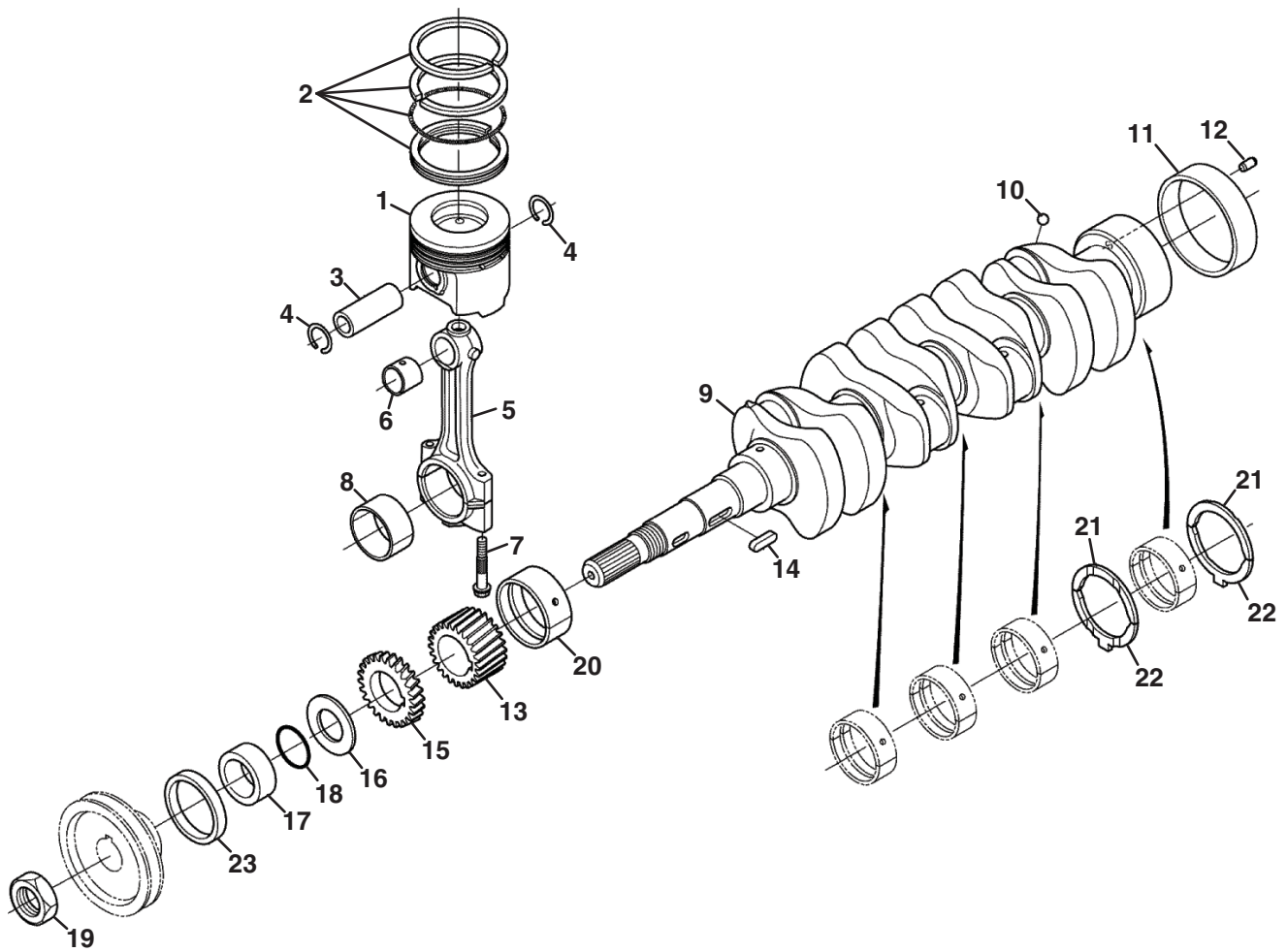
## 8.1 Main Bearing Case



Item	Part No.	Qty.	Description	Serial Numbers/Notes	
	1	4134219	1	Assembly Brg. Case, Wheel	
	2	4134220	2	• Bolt, Case, Brg	
●	3	4134221	1	• Metal, Std. Crankshaft	STD Set
◆	3	4134222	1	Metal, -0.20 mm Crankshaft	-0.20mm Set
▲	3	4134223	1	Metal, -0.40 mm 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	4134228	1	Assembly Brg. Case, Main	
	11	4134220	2	• Bolt, Case, Brg	
●	12	4134221	1	• Metal, Std. Crankshaft	STD Set
◆	12	4134222	1	Metal, -0.20 mm Crankshaft	-0.20mm Set
▲	12	4134223	1	Metal, -0.40 mm Crankshaft	-0.40mm Set
	13	4134229	1	Assembly Brg. Case, Main	
	14	4134220	2	• Bolt, Case, Brg	
●	15	4134221	1	• Metal, Std. Crankshaft	STD Set
◆	15	4134222	1	Metal, -0.20 mm Crankshaft	-0.20mm Set
▲	15	4134223	1	Metal, -0.40 mm Crankshaft	-0.40mm Set
	16	4134230	1	Assembly Brg. Case, Main	
	17	4134220	2	• Bolt, Case, Brg	
●	18	4134221	1	• Metal, Std. Crankshaft	STD Set
◆	18	4134222	1	Metal, -0.20 mm Crankshaft	-0.20mm Set
▲	18	4134223	1	Metal, -0.40 mm Crankshaft	-0.40mm Set
	19	556944	3	Bolt, Case, Brg	
●		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 ■

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## 9.1 Piston and Crankshaft



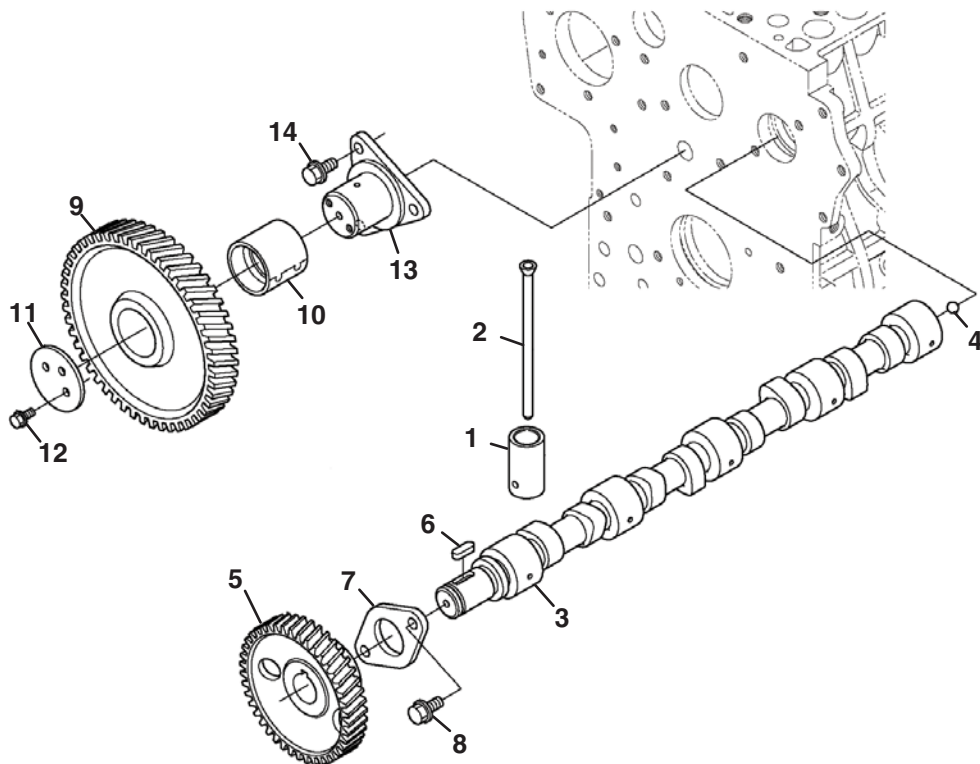


# KUBOTA V2403-CR-T-E4B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297235	4	Piston	STD Set
1	4297236	4	Piston	+0.25mm Set
2	4198379	4	Ring, Piston, Assembly	STD Set
2	4198380	4	Ring, Piston, Assembly	+0.25mm Set
3	556964	4	Pin, Piston	
4	4159662	8	Circlip, Int	
5	4198382	4	Rod, Connecting, Assembly	
6	4198381	4	• Bushing, Pin, Piston	
7	557331	8	• Bolt, Rod, Connecting	Torque to 40-45 Nm
● 8	556968	4	• Metal, Std. Crank Pin	STD Set
◆ 8	556969	4	Metal, -0.20mm Crank Pin	-0.20mm Set
■ 8	556970	4	Metal, -0.40mm Set Crank Pin	-0.40mm Set
9	4289835	1	Crankshaft, Comp	
10	2500953	4	• Ball 1/4	
11	553095	1	• Bushing, Crankshaft	
12	4198236	1	Pin, Straight	
13	4297253	1	Gear, Crankshaft	
14	4198165	1	Feather Key	
15	4198172	1	Gear, Oil Pump Drive	
16	556975	1	Oil Slinger	
17	553088	1	Collar, Crankshaft	
18	594367	1	O Ring	
19	553089	1	Nut, Crankshaft	
● 20	4134242	1	Metal, Std. Crankshaft	STD Set
◆ 20	4134243	1	Metal, -0.20mm Crankshaft	-0.20mm Set
■ 20	4134244	1	Metal, -0.40mm Set Crankshaft	-0.40mm Set
● 21	4134245	2	Metal, Std. Side	STD Set
◆ 21	4134246	2	Metal, +0.20mm Side	+0.20mm Set
■ 21	4134247	2	Metal, +0.40mm Side	+0.40mm Set
● 22	4134248	2	Metal, Std. Side	STD Set
◆ 22	4134249	2	Metal, +0.20mm Side	+0.20mm Set
■ 22	4134250	2	Metal, +0.40mm Side	+0.40mm Set
23	4297251	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 ■

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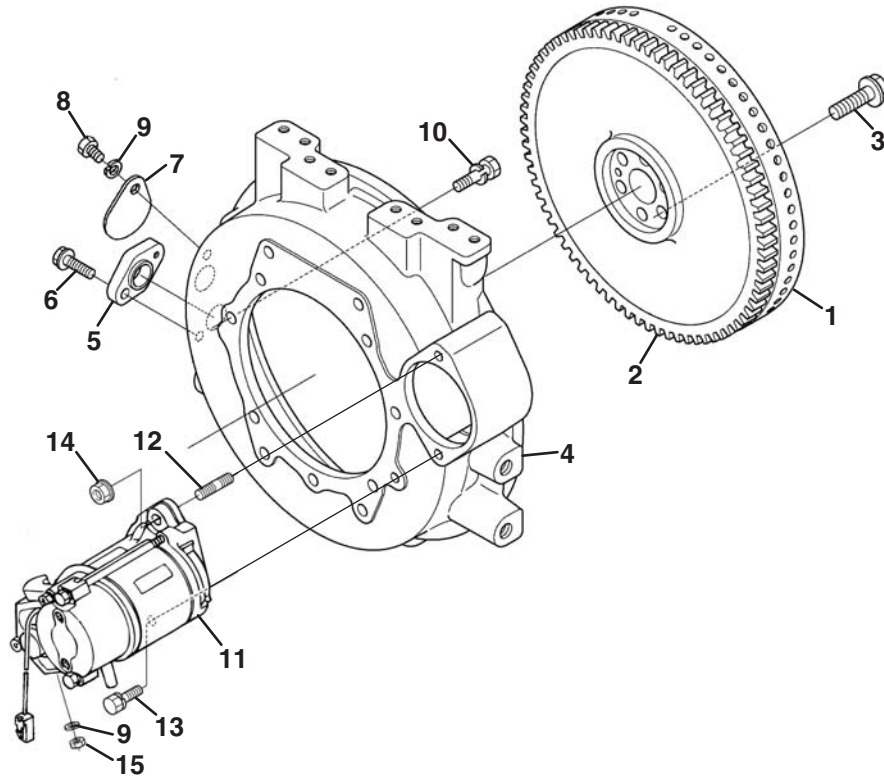
## 10.1 Camshaft and Idle Gear



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	557322	8	Tappet	
2	4198304	8	Rod, Push	
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	2811976	2	Bolt, Flange	
9	4297252	1	Gear, Comp, Idle	
10	4297254	1	• Bushing, Idle Gear	
11	4289868	1	Collar, Idle Gear	
12	5003269	2	Bolt, Flange	
13	4134440	1	Shaft, Idle Gear	
14	2811976	3	Bolt, Flange	

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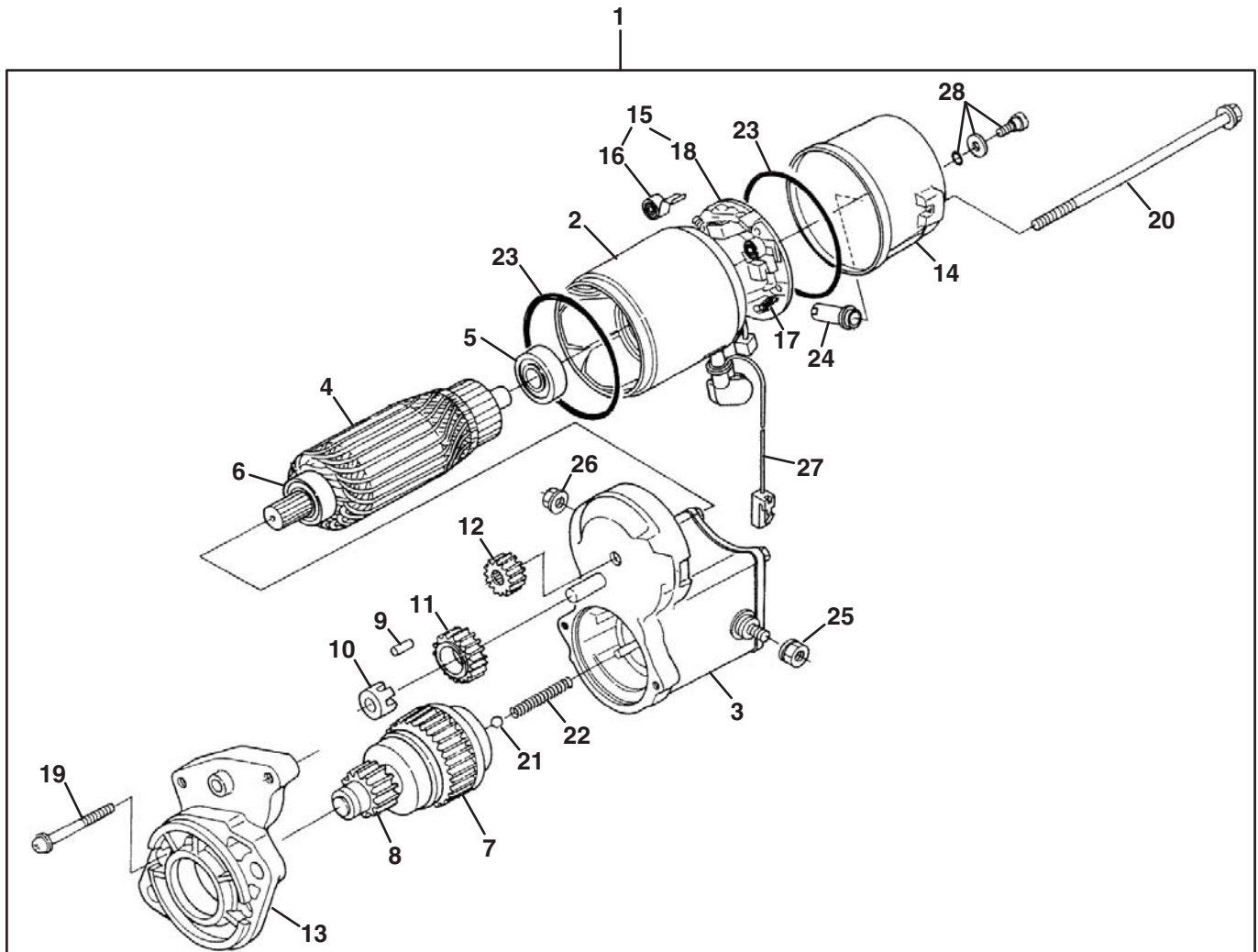
## 11.1 Flywheel Housing



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297192	1	Flywheel, Comp	
2	4198239	1	• Gear, Ring	
3	4198377	6	Bolt, Flywheel	
4	4297172	1	Housing, Comp, Flywheel	
5	4297201	1	• Bracket, Sensor	
6	4137820	1	• Bolt, Flange	
7	557332	1	Cover	
8	594338	1	Hex. Bolt	
9	5002002	2	Washer, Spring Lock	
10	4134252	11	Bolt	
11	4198229	1	Assembly Starter	See 12.1 for Service Parts
12	4297100	1	Bolt, Stud	
13	594337	1	Bolt, Sems	
14	4251684	1	Nut, Flange	
15	550395	1	Hex. Nut	

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## 12.1 Starter Breakdown

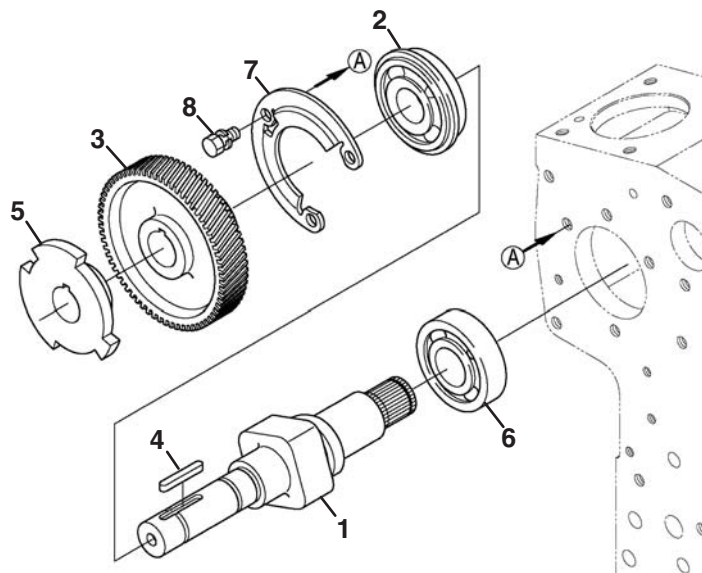


# KUBOTA V2403-CR-T-E4B

Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4198229	1	Assembly Starter	
2	4198216	1	• Yoke	
3	4198130	1	• Assembly Switch, Magnetic	
4	4198215	1	• Armature	
5	4198222	1	• Bearing	
6	557892	1	• Bearing	
7	4198214	1	• Clutch, Over Running	
8	5001307	1	• Gear, Pinion	
9	557902	5	• Roller	
10	557903	1	• Retainer	
11	2810751	1	• Gear	
12	4198219	1	• Gear	
13	4198213	1	• Frame, Drive End	
14	4198218	1	• Frame, End	
15	4198221	1	• Holder, Brush	
16	4198217	4	• Spring	
17	4289803	4	• Spring, Brush	
18	4289804	2	• Brush, Kit	
19	4198224	2	• Screw, Pan Hd	
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	4198223	2	• Screw, Pan Hd	

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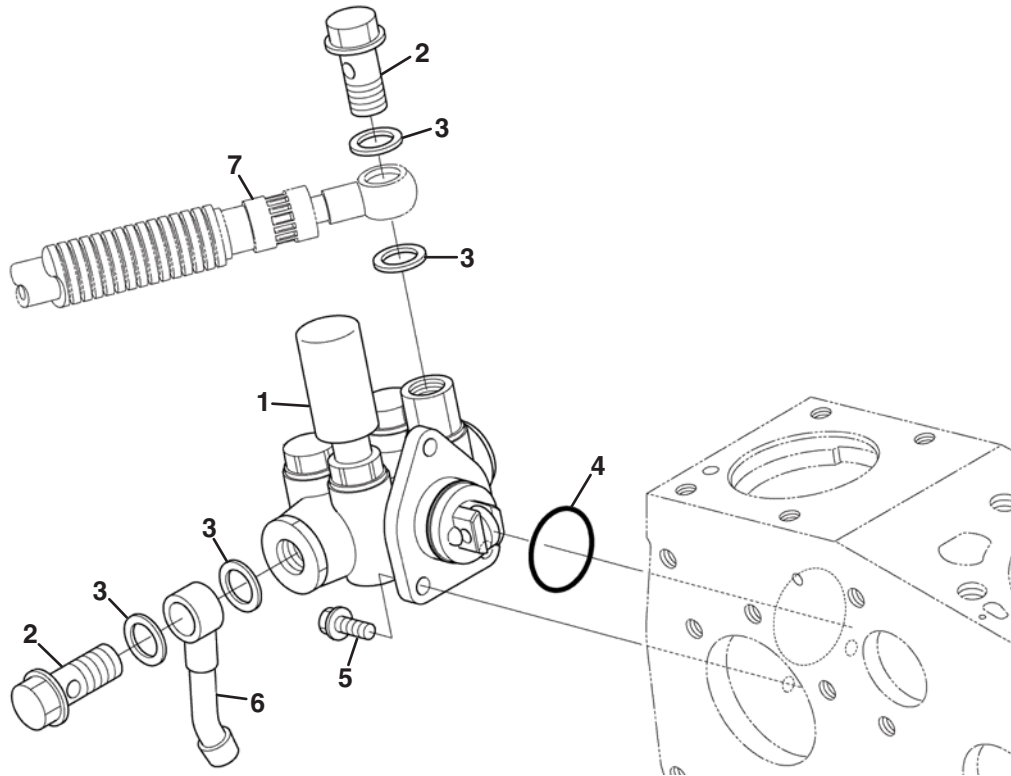
## 13.1 Fuel Camshaft



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297180	1	Assembly Camshaft, Fuel	
2	4198383	1	Bearing, Ball	
3	4297149	1	Gear, Supply Pump	
4	4297108	1	Feather Key	
5	4297142	1	Wheel	
6	4198372	1	Brg, Ball	
7	4297141	1	Stopper, F-camshaft	
8	4289798	3	Bolt, Sems	

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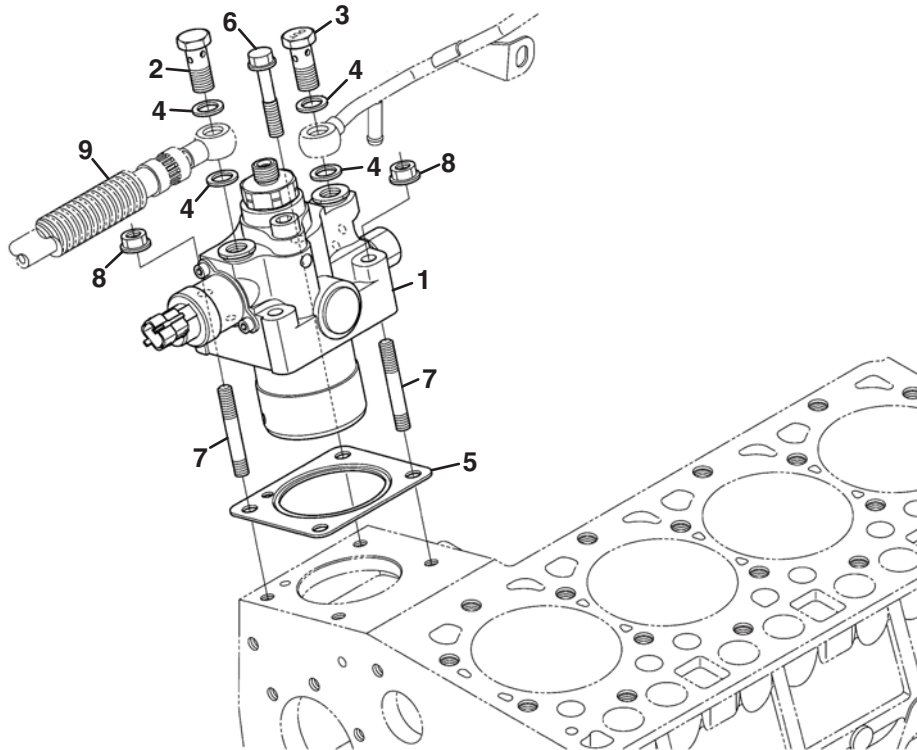
## 14.1 Injection Pump



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297266		Pump, Assembly Fuel	
2	4297167	2	Eye Bolt	
3	4297146	4	Gasket	
4	4297115	1	O Ring	
5	557366	3	Bolt, Flange	
6	4297114	1	Pipe	
7	4297265	1	Hose, Fuel	See 15.1 for other end of hose.

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## 15.1 Supply Pump

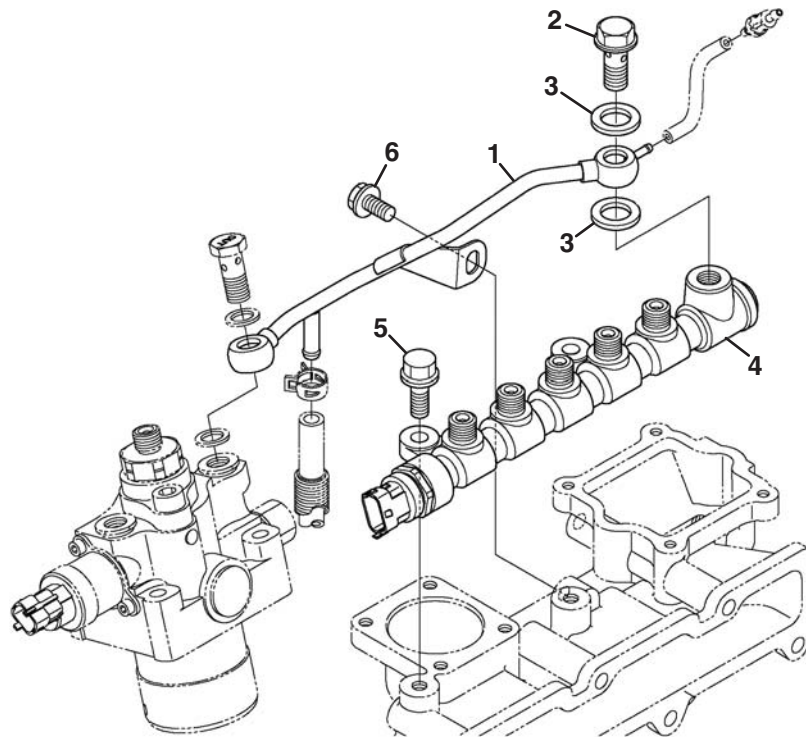


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297196	1	Assembly Pump, Supply	
2	4297165	1	Eye Bolt	
3	4297166	1	Eye Bolt	
4	4297148	4	Gasket	
5	4297150	1	Gasket, Pump	
6	4297160	2	Bolt, Flange	
7	4297163	2	Stud	
8	4137803	2	Nut, Flange	
9	4297265	1	Hose, Fuel	See 14.1 for other end of hose

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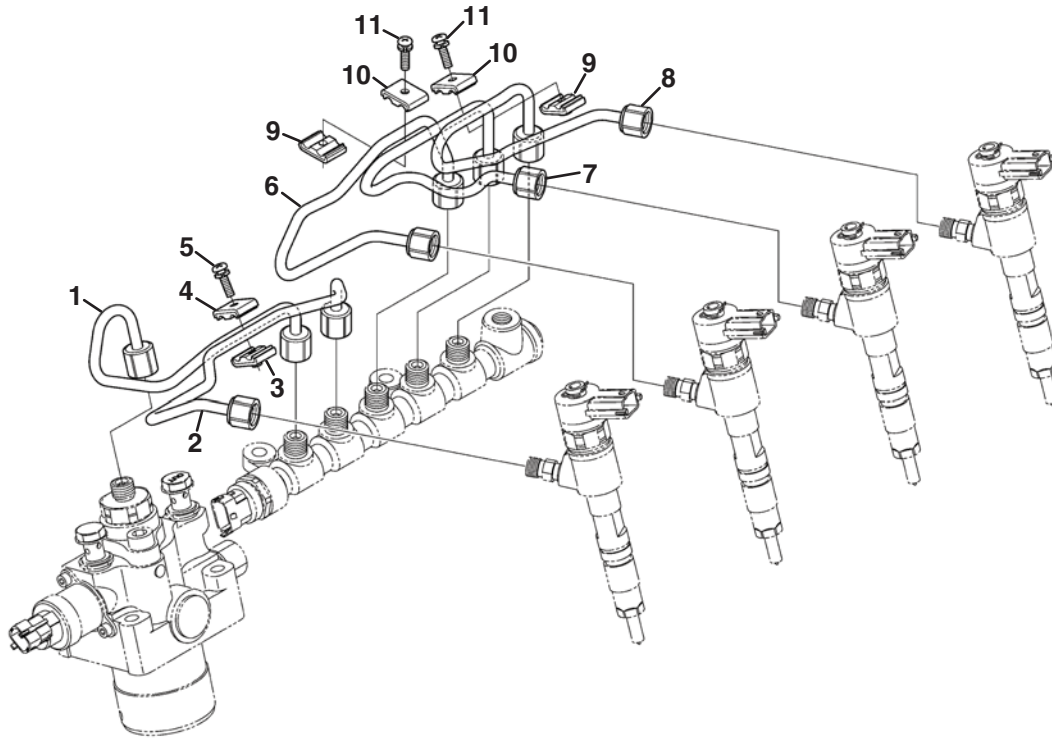
## 16.1 Common Rail



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297195	1	Comp. Pipe	
2	4297164	1	Eye Bolt	
3	4297148	2	Gasket	
4	4297197	1	Assembly Rail, Common	
5	4137992	2	Bolt, Flange	
6	2811976	1	Bolt, Flange	

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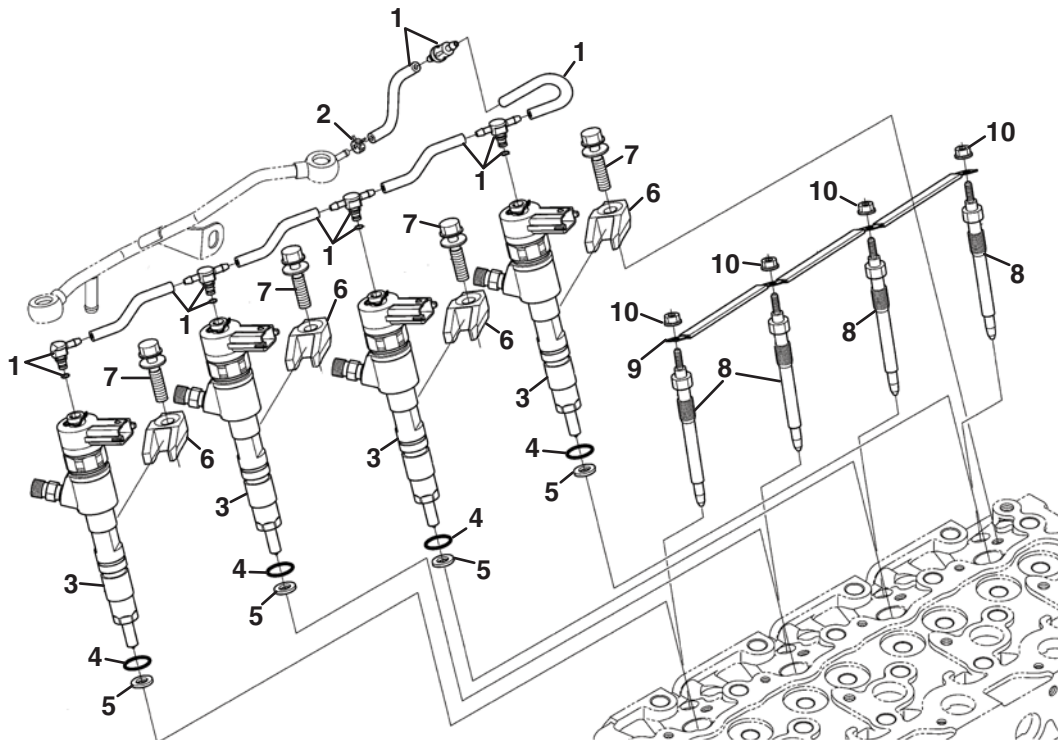
## 17.1 Injection Pipe



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297199	1	Pipe, Injection	
2	4297154	1	Pipe, Injection	
3	554054	1	Clamp, Pipe	
4	554055	1	Clamp, Pipe	
5	550401	1	Screw, Sems, Pan Head	
6	4297155	1	Pipe, Injection	
7	4297156	1	Pipe, Injection	
8	4297157	1	Pipe, Injection	
9	554054	2	Clamp, Pipe	
10	554055	2	Clamp, Pipe	
11	550401	2	Screw, Sems, Pan Head	

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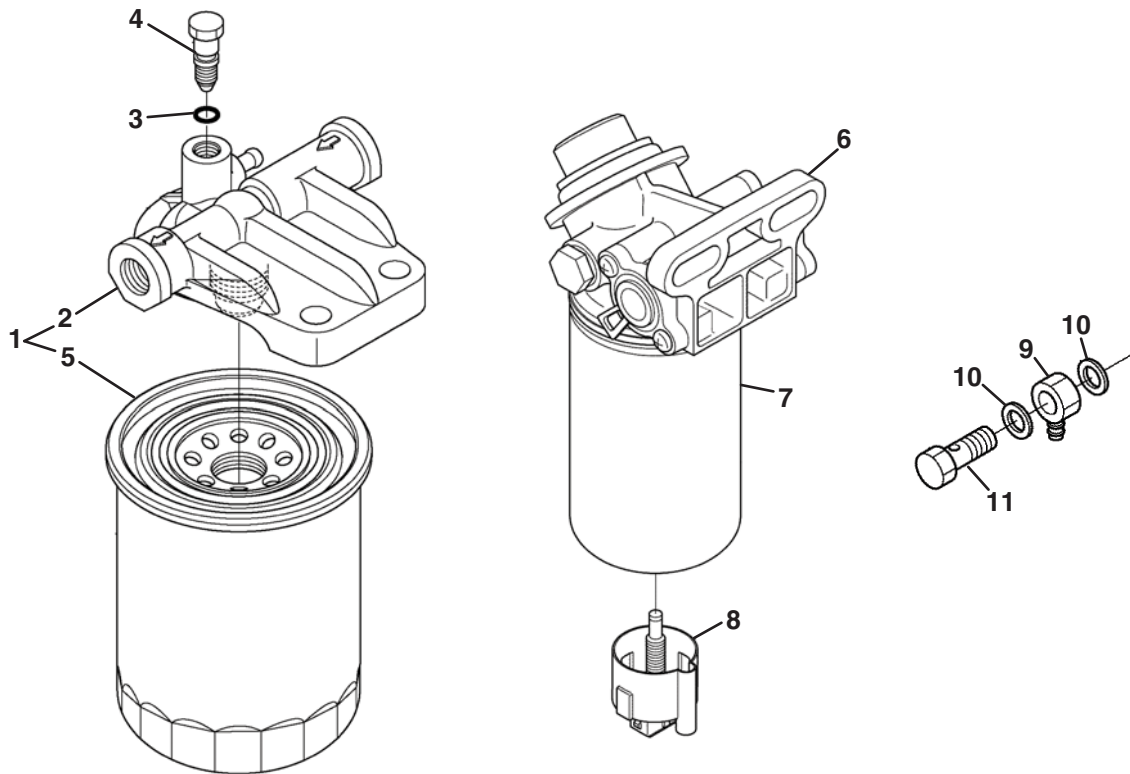
## 18.1 Injectors and Glow Plugs



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297143	1	Assembly Tube	
2	4297109	1	Clamp, Hose	
3	4297198	4	Assembly Injector	
4	4297153	4	O Ring	
5	4251732	4	Gasket	
6	4297151	4	Clamp, Injector	
7	4297152	4	Assembly Bolt	
8	4289844	4	Glow Plug	
9	4297159	1	Cord, Glow Plug	
10	5001152	4	Nut, Flange	

> Change from previous revision

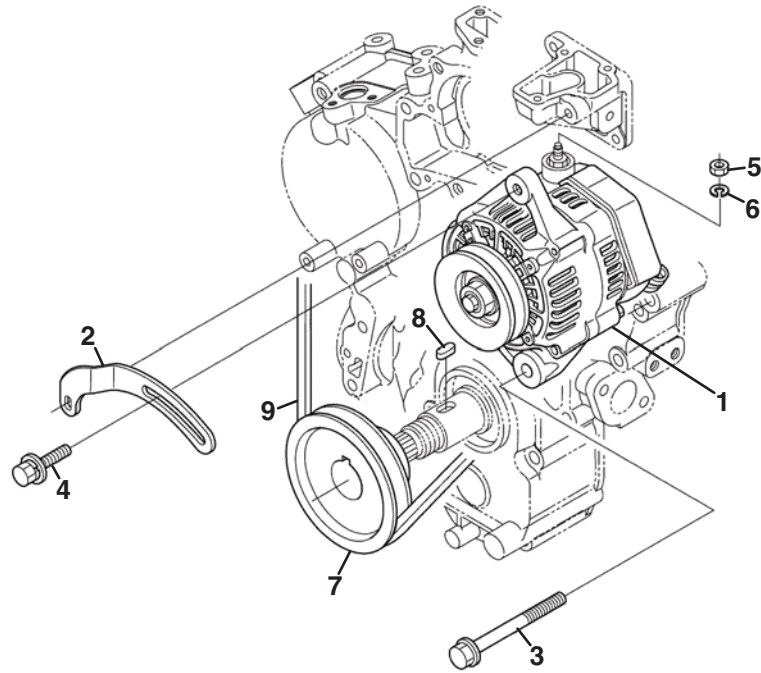
## 19.1 Fuel Filter and Water Separator



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4280171	1	Filter, Assembly, Fuel	
2	4297144	1	• Base, Filter	
3	4297147	1	• • O Ring	
4	4297145	1	• • Plug	
5	4297133	1	• Filter, Cartridge	
6	4280212	1	Assembly, Water Separator	
7	4297126	1	• Element, Filter	
8	4297128	1	• Switch, Assembly	
9	2501172	4	Joint, Swivel	
10	4138107	8	Gasket	
11	4138103	4	Bolt, Connect.	

> Change from previous revision

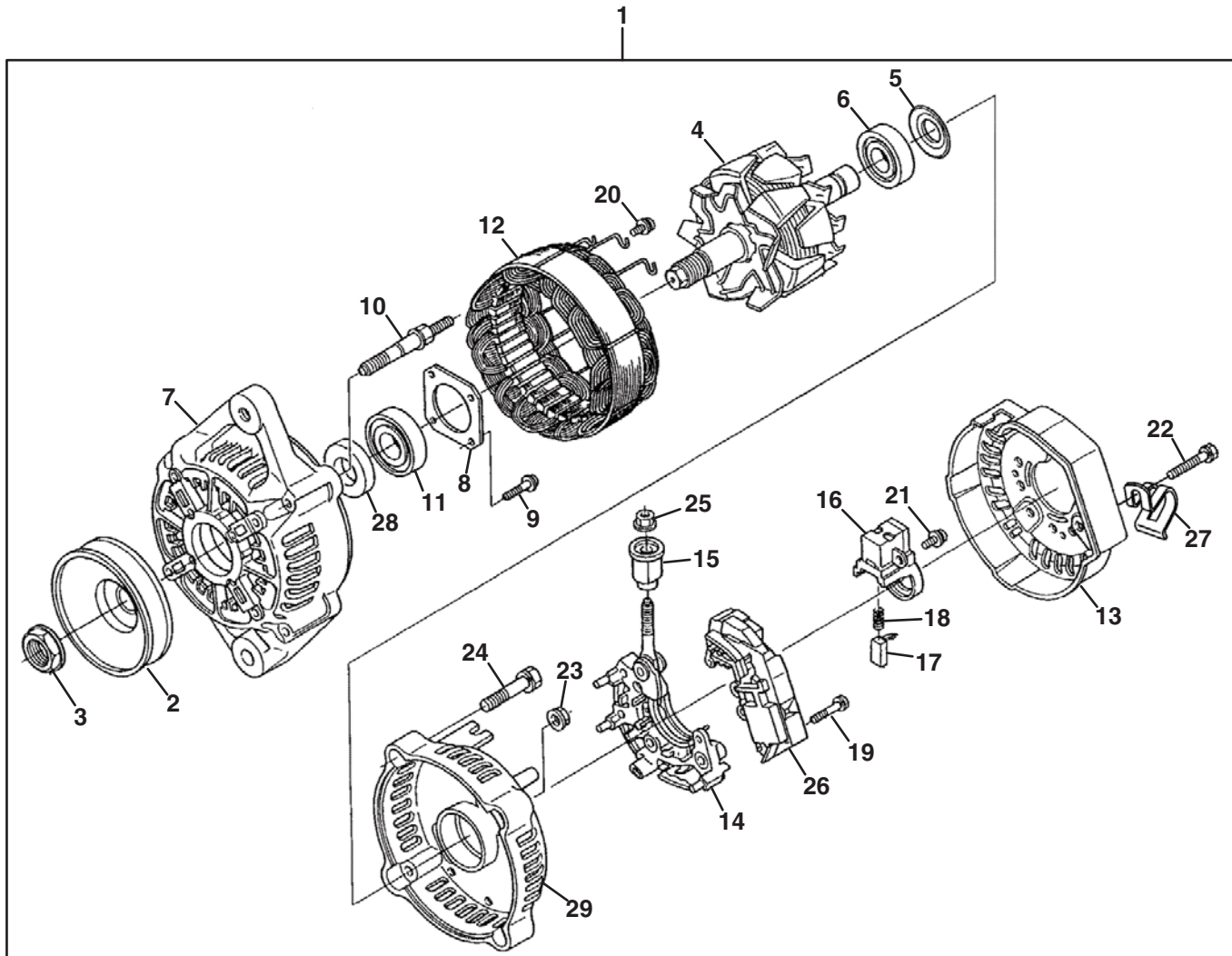
## 20.1 Belt



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5000938	1	Alternator, Assembly	See 21.1 for Service Parts
2	4134319	1	Stay, Dynamo	
3	4289799	1	Bolt, Flange	
4	4134321	1	Bolt, W Sems	
5	550395	1	Hex. Nut	
6	834287	1	Washer, Spring Lock	
7	4134322	1	Pulley, Fan Drive	
8	594374	1	Key, Feather	
9	4297258	1	Belt, V	

> Change from previous revision

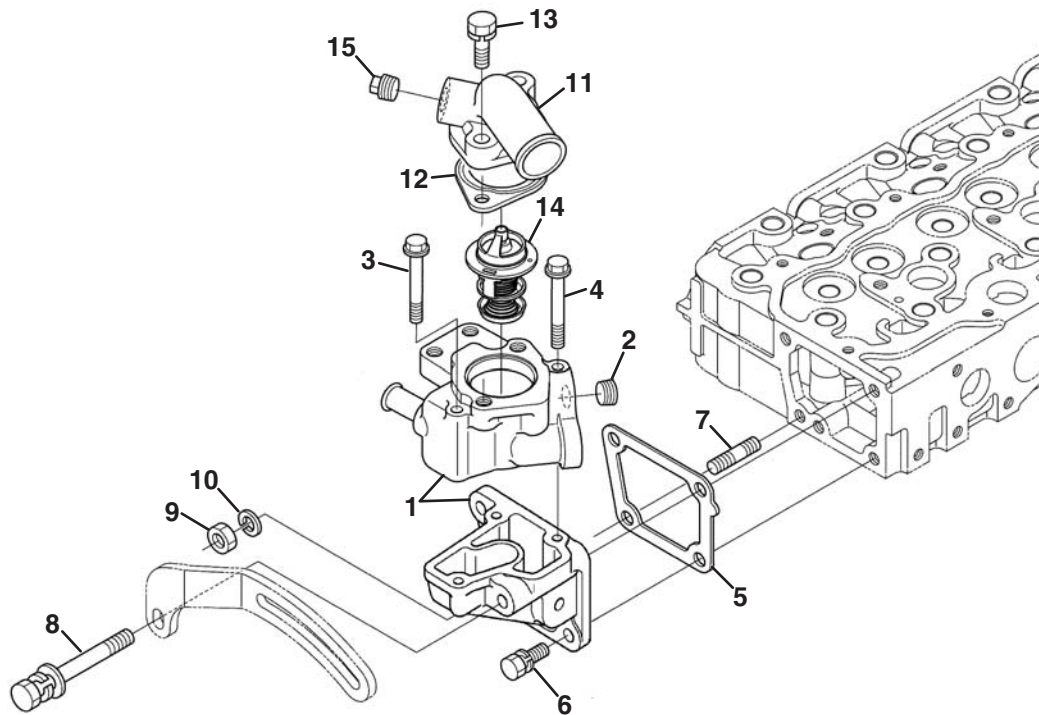
## 21.1 Alternator Breakdown



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	5000938	1	Alternator, Assembly	
2	5002415	1	• Pulley, Alternator	
3	557948	1	• Nut	
4	4134327	1	• Rotor	
5	557951	1	• • Cover, Bearing	
6	4134328	1	• • Brg, Ball	
7	4134329	1	• Frame, Drive End	
8	5001210	1	• • Plate, Retainer	
9	557956	4	• • Screw, Rd Hd	
10	557957	2	• • Bolt, Through	
11	557958	1	• • Brg, Ball	
12	N/S	1	• • Stator	
13	4134332	1	• Cover, End	
14	5002916	1	• Assembly Rectifier	
15	4134337	1	• Bushing, Insulation	
16	557963	1	• Holder, Brush	
17	557964	2	• • Brush	
18	557965	2	• • Spring, Brush	
19	557966	2	• Screw, Rd Hd	
20	557967	6	• Screw, Rd Hd	
21	557968	1	• Screw, Rd Hd	
22	557969	3	• Bolt	
23	557970	2	• Nut	
24	557971	2	• Bolt	
25	557972	1	• Nut	
26	2810355	1	• Assembly Regulator	
27	4134341	1	• Clamp, Cord	
28	557949	1	• Collar	
29	4134331	1	• Frame, End	

> Change from previous revision

## 22.1 Water Flange and Thermostat

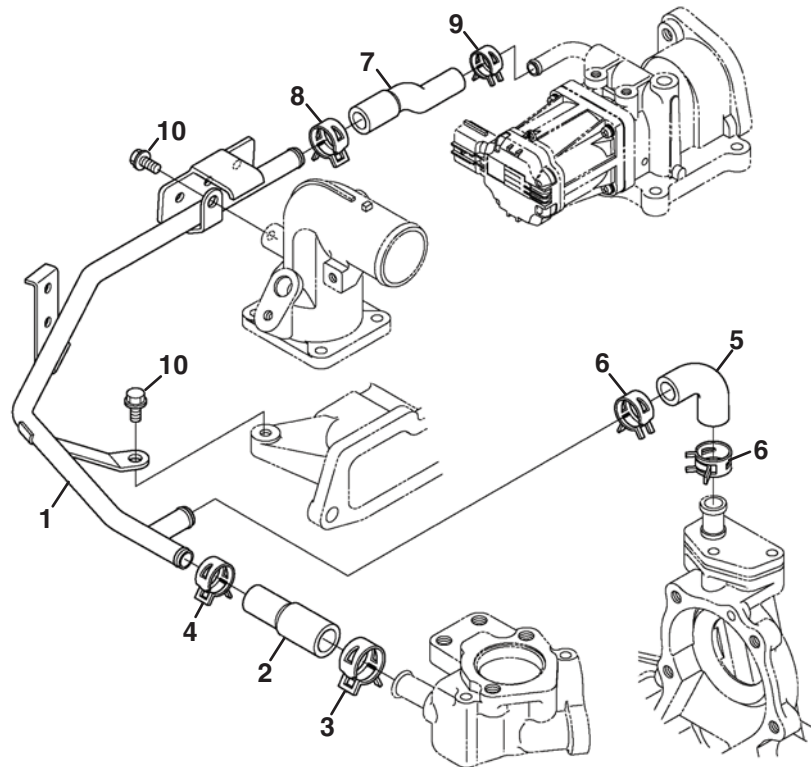


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297119	1	Comp. Flange, Water	
2	4198241	1	• Plug	
3	4134362	2	• Bolt, Flange	
4	4134363	1	• Bolt, Flange	
5	4134364	1	Gasket, Flange, Water	
6	4113985	2	Bolt, Sems	
7	553024	1	Stud	
8	4134365	1	Bolt	
9	550398	1	Hex. Nut	
10	5002002	1	Washer, Spring Lock	
11	4134369	1	Cover, Thermostat	
12	4134370	1	Gasket, Thermostat	
13	594334	2	Bolt, Sems	
14	4289863	1	Assembly Thermostat	
15	4134361	1	Plug	

> Change from previous revision



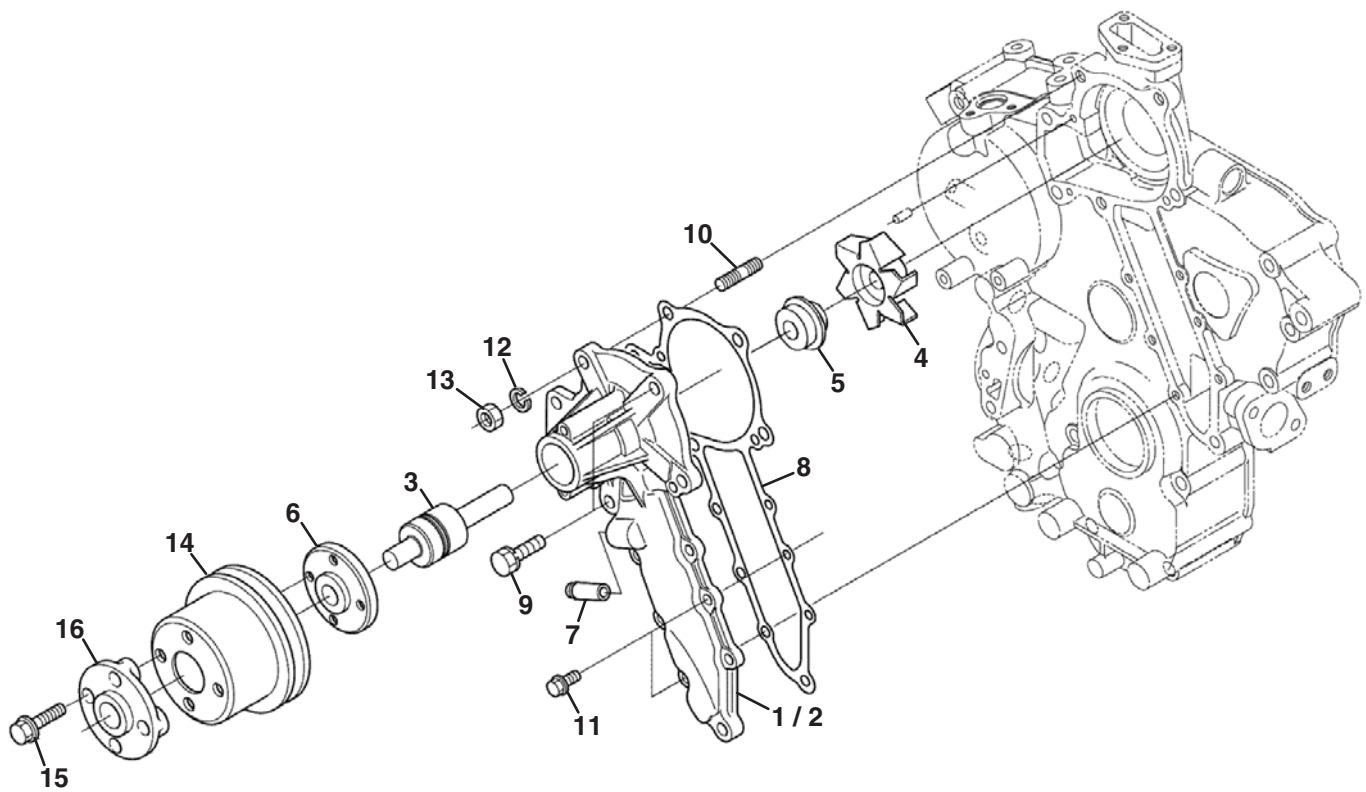
## 23.1 Water Pipe



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297228	1	Comp. Pipe, Water Return	
2	4297246	1	Hose	
3	4198233	1	Clamp, Hose	
4	4198166	1	Clamp, Hose	
5	4297247	1	Hose	
6	4134368	2	Band, Hose	
7	4297245	1	Tube	
8	4198166	1	Clamp, Hose	
9	4297112	1	Clamp, Hose	
10	4138249	2	Bolt, Flange	

> Change from previous revision

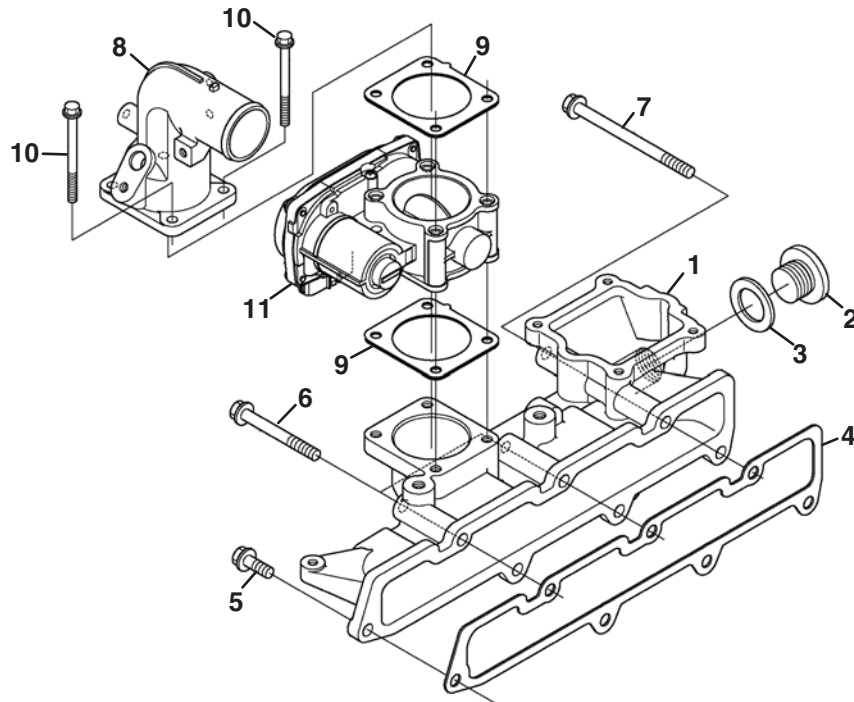
## 24.1 Water Pump



<b>Item</b>	<b>Part No.</b>	<b>Qty.</b>	<b>Description</b>	<b>Serial Numbers/Notes</b>
1	4198319	1	Assembly Pump, Water	
2	4134374	1	• Body, Water Pump	
3	4198211	1	• Bearing	
4	4134375	1	• Impeller, Water Pump	
5	4198323	1	• Assembly Seal, Mechanical	
6	4134377	1	• Flange, Pump, Water Shaft	
7	557975	1	• Pipe, Water Return	
8	4134378	1	Gasket, Water Pump	
9	594332	2	Bolt, Sems	
10	4134379	1	Bolt, Stud	
11	557366	6	Bolt, Flange	
12	5002002	1	Washer, Spring Lock	
13	550398	1	Hex. Nut	
14	4198228	1	Pulley, Fan	
15	4134384	4	Bolt, Flange	
16	4134383	1	Collar, Fan	

> Change from previous revision

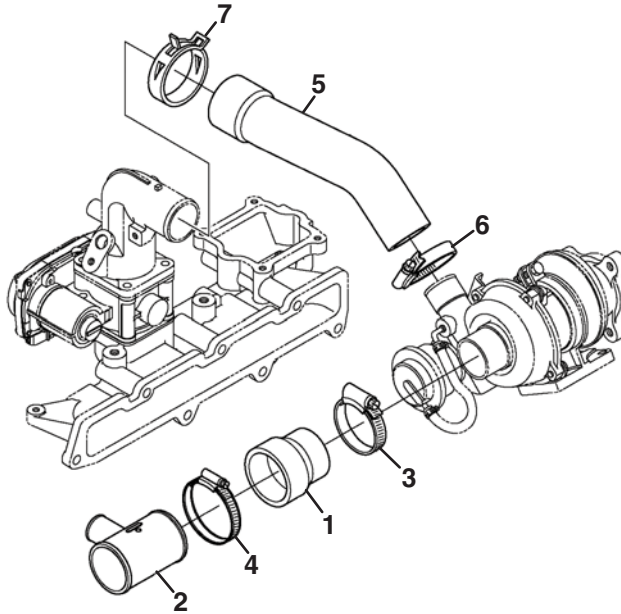
## 25.1 Inlet Manifold



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297230	1	Assembly Manifold, Inlet	
2	4297249	1	• Plug	
3	4297106	1	• Gasket	
4	4297140	1	Gasket, In-manifold	
5	4137820	4	Bolt, Flange	
6	4138218	2	Bolt, Flange	
7	4297101	1	Bolt, Flange	
8	4297213	1	Flange, Inlet	
9	4297139	2	Gasket, Inlet Flange	
10	4134363	4	Bolt, Flange	
11	4297217	1	Assembly Throttle Valve	

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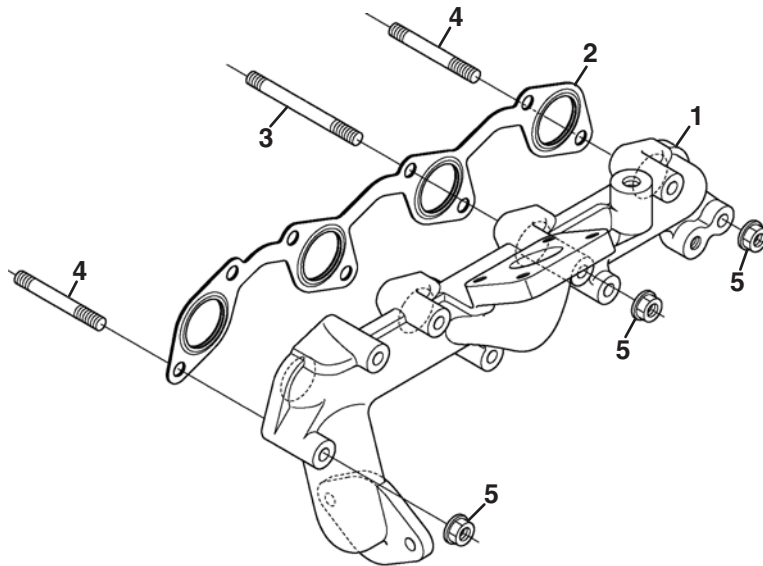
## 26.1 Inlet Pipe



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297218	1	Tube, Inlet Turbo	
2	4297120	1	Pipe, Breather	
3	4297259	1	Clamp 1	
4	4297263	1	Clamp, Hose	
5	4297219	1	Hose, Inlet	
6	4297261	1	Clamp, Hose	
7	5003607	1	Band, Pipe	

> Change from previous revision

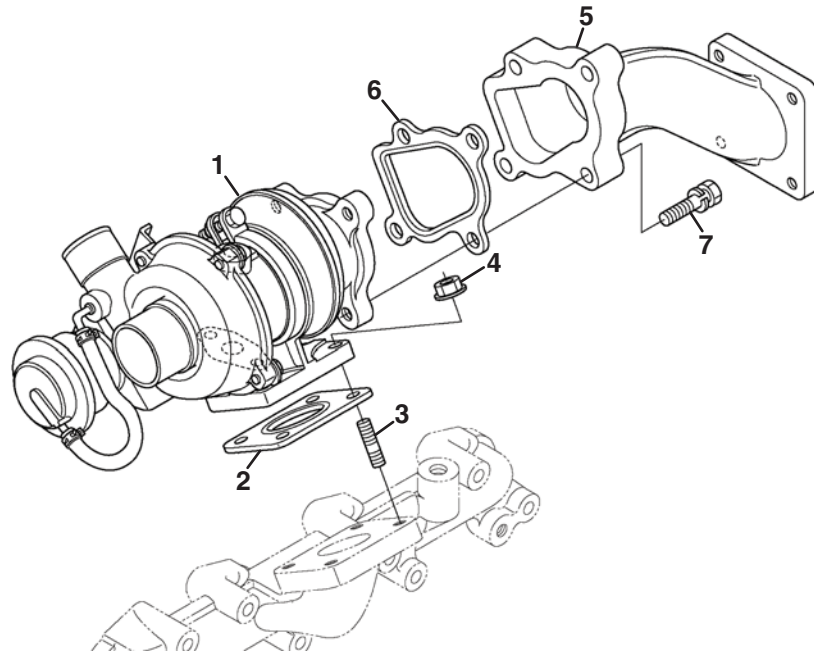
## 27.1 Exhaust Manifold



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297220	1	Manifold, Exhaust	
2	4297231	1	Gasket, Ex-manifold	
3	4297229	1	Stud	
4	4297248	7	Stud	
5	4297135	8	Nut, Flange	

> Change from previous revision

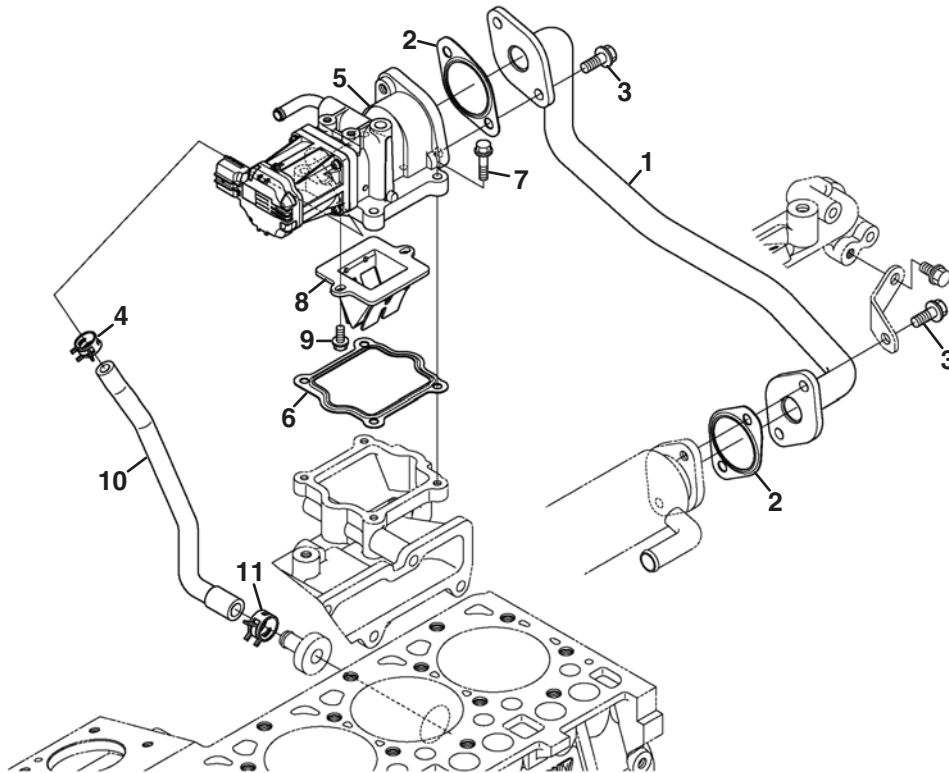
## 28.1 Turbo Charger



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297233	1	Assembly Turbo Charger	
2	4134401	1	Gasket	
3	4297134	4	Stud	
4	4297135	4	Nut, Flange	
5	4297221	1	Flange, Muffler	
6	4134406	1	Gasket	
7	594334	4	Bolt, Sems	

> Change from previous revision

## 29.1 EGR Valve

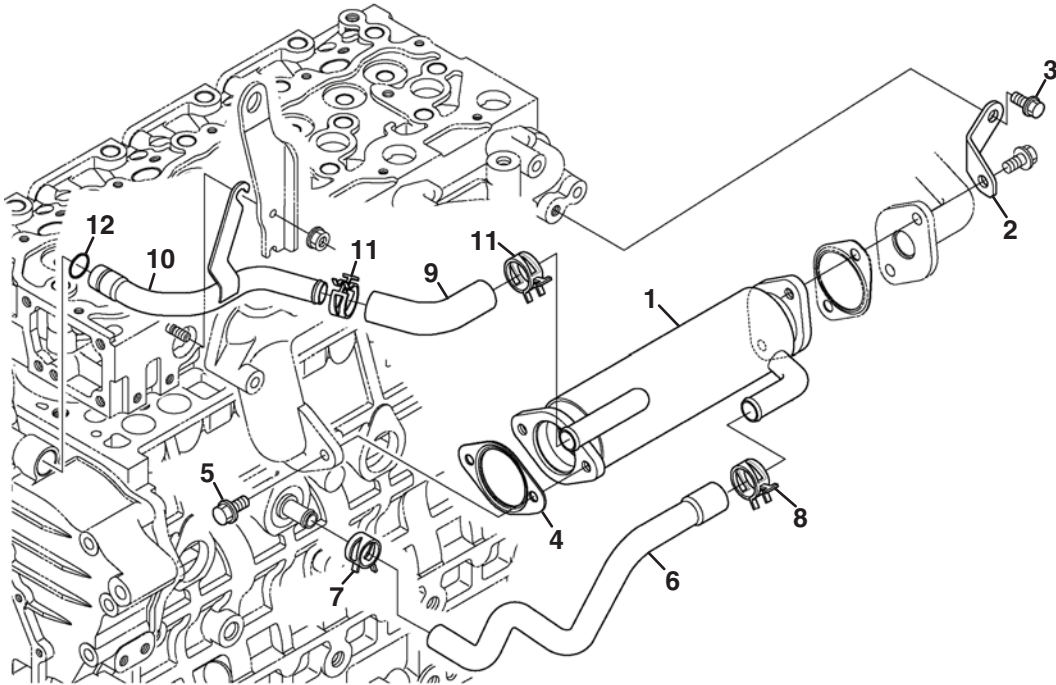


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297234	1	Comp. Pipe, EGR	
2	4297238	2	Gasket, EGR Cooler	
3	4137820	4	Bolt, Flange	
4	4297112	1	Clamp, Hose	
5	4297117	1	Valve, Assembly, EGR	
6	4297237	1	Gasket, EGR Valve	
7	4134384	4	Bolt, Flange	
8	4251778	1	Valve, Lead	
9	4138249	2	Bolt, Flange	
10	4297116	1	Hose	
11	4134368	1	Band, Hose	

> Change from previous revision



## 30.1 EGR Cooler



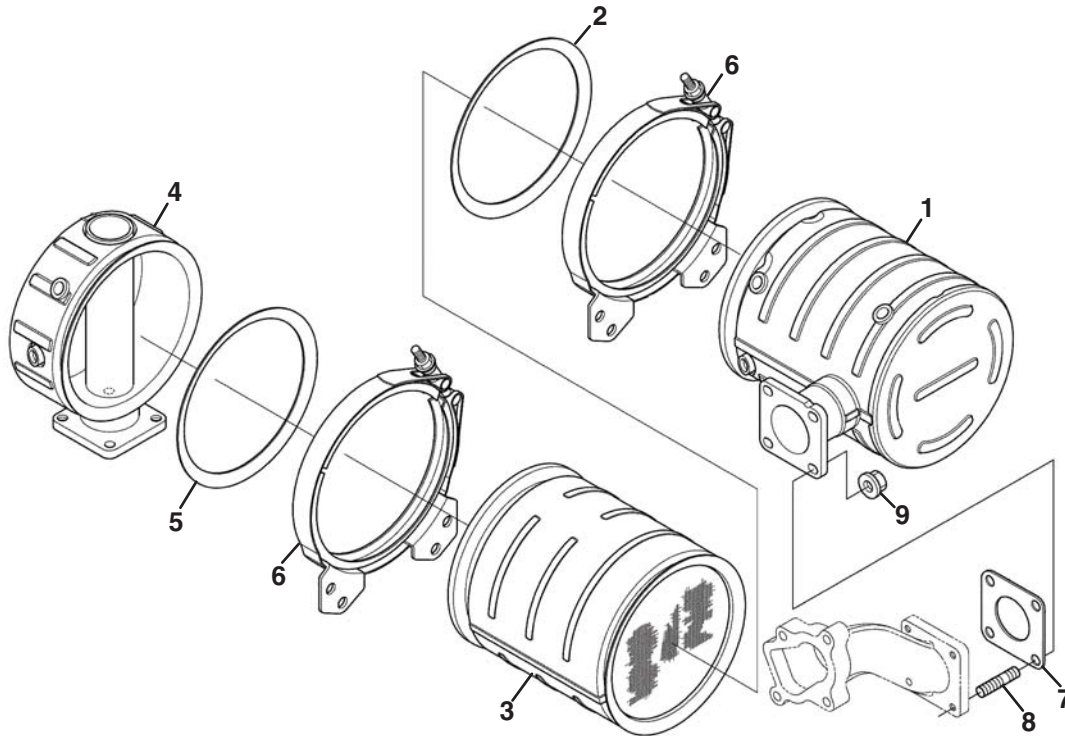
Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297241	1	Comp. Cooler, EGR	
2	4297242	1	Stay, EGR Cooler	
3	2811976	1	Bolt, Flange	
4	4297238	1	Gasket, EGR Cooler	
5	2811976	2	Bolt, Flange	
6	4297210	1	Hose	
7	4134368	1	Band, Hose	
8	5003612	1	Clamp, Hose	
9	4297243	1	Hose	
10	4297244	1	Pipe	
11	5003612	2	Clamp, Hose	
12	4251767	1	O Ring	

> Change from previous revision

# KUBOTA V2403-CR-T-E4B

Serial No. All

## 31.1 Diesel Particulate Filter (DPF)

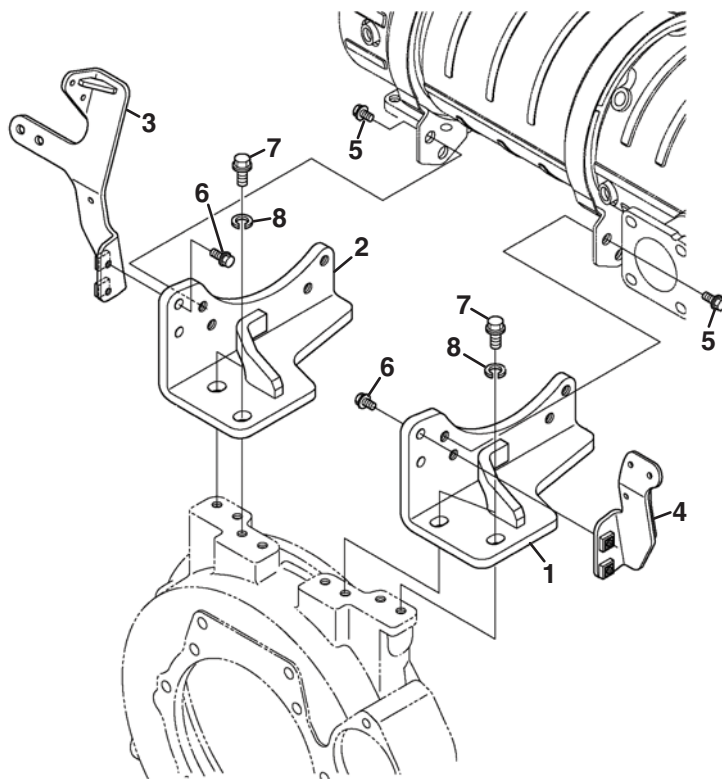


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297191	1	Catalyst, Kit, Doc	Includes Item 2
2	4297182	1	• Gasket, DPF	
3	4297223	1	Filter, Kit, DPF	
4	4297118	1	• Body, DPF Outlet	
5	4297182	2	• Gasket, DPF	
6	4297250	2	Bracket	
7	4134436	1	Gasket, Muffler	
8	594343	4	Bolt, Stud	
9	4137803	4	Nut, Flange	

> Change from previous revision

## 32.1 Illustration Description

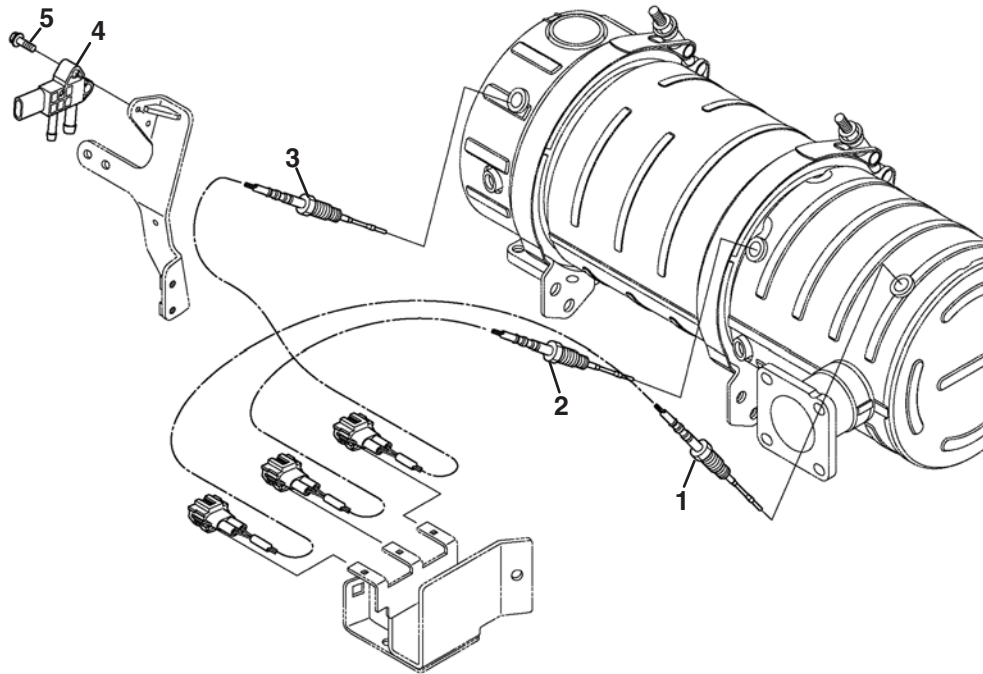
### Illustration Description 2



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297187	1	Bracket, DPF	
2	4297188	1	Bracket, DPF	
3	4297189	1	Stay, DPF	
4	4297190	1	Stay, DPF	
5	4251688	8	Bolt, Flange	
6	4137992	4	Bolt, Flange	
7	4297211	4	Bolt, Flange	
8	4297260	4	Washer	

> Change from previous revision

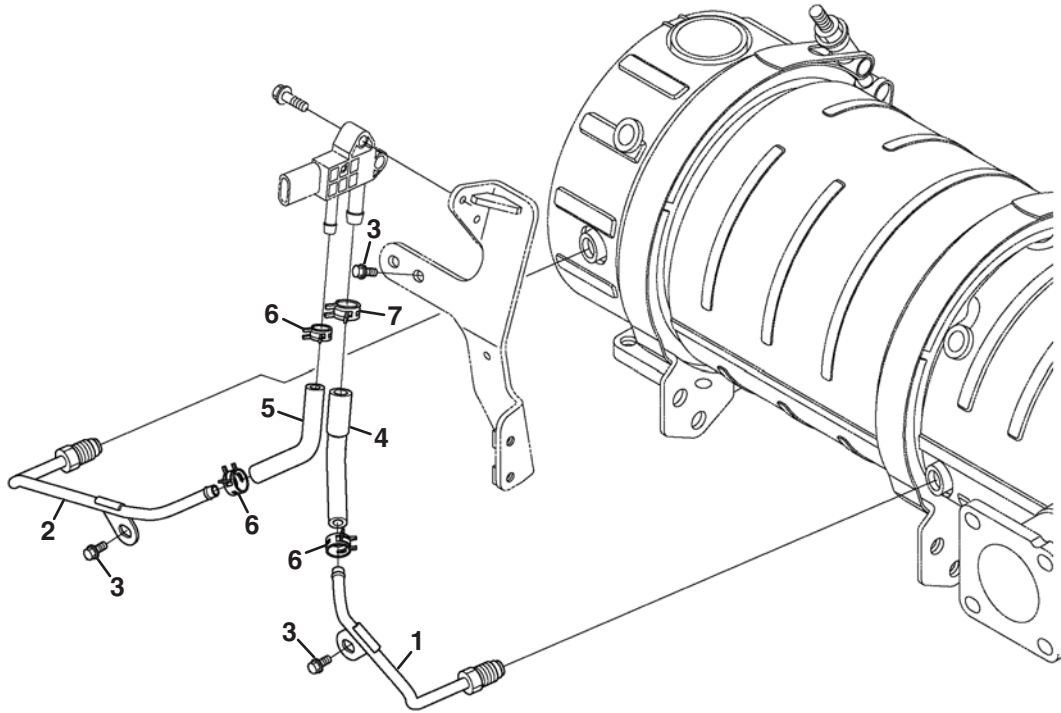
## 33.1 DPF Sensors



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297129	1	Sensor, Thermo, 0	
2	4297130	1	Sensor, Thermo, 1	
3	4297183	1	Sensor Temperature	
4	4297132	1	Sensor, Pressure	
5	5003269	2	Bolt, Flange	

> Change from previous revision

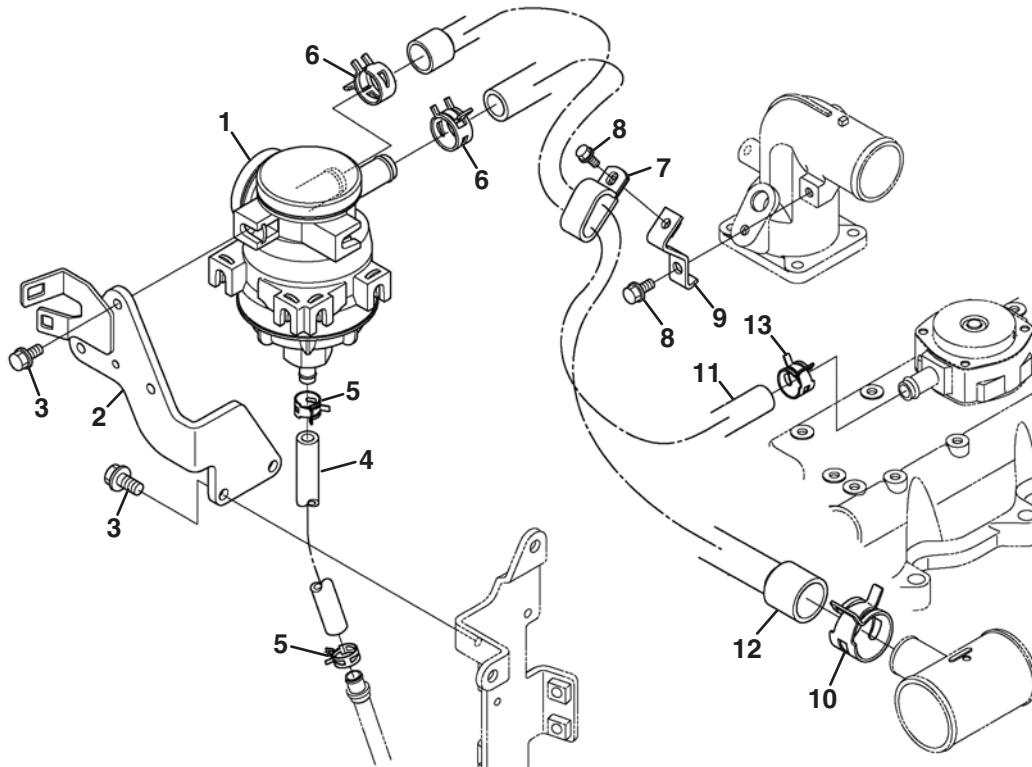
## 34.1 DPF Pressure Pipes



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297184	1	Pipe, Comp. Pressure	
2	4297185	1	Pipe, Comp. Pressure	
3	4138249	3	Bolt, Flange	
4	4297186	1	Tube, Pressure, 1	
5	4297222	1	Tube, Pressure	
6	4297110	3	Clamp, Hose	
7	4297111	1	Clamp, Hose	

> Change from previous revision

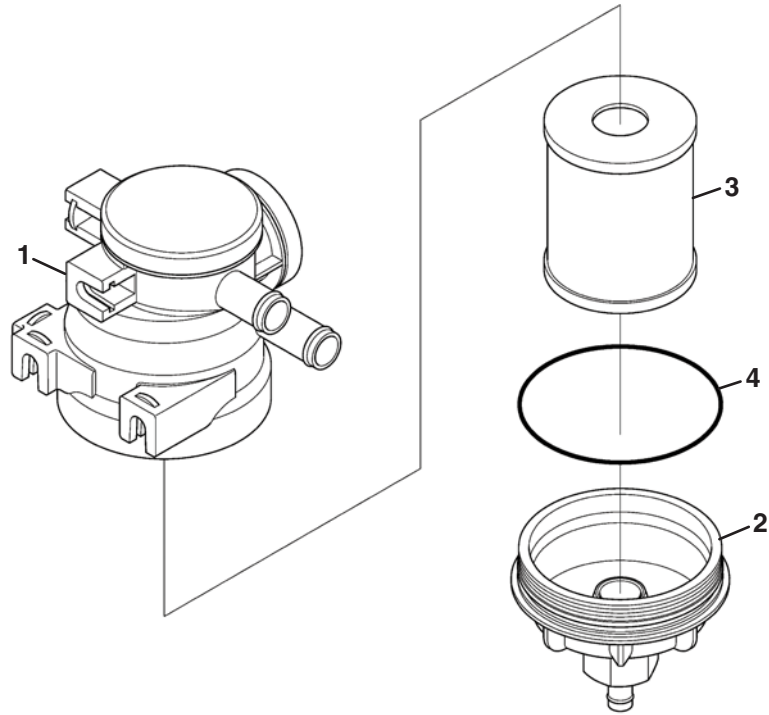
## 35.1 Oil Separator



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297173	1	Assembly Separator	
2	4297174	1	Bracket, Separator	
3	557366	5	Bolt, Flange	
4	4297175	1	Tube, Oil Return	
5	4297112	2	Clamp, Hose	
6	5003612	2	Clamp, Hose	
7	4297227	2	Clamp, Hose	
8	4138249	3	Bolt, Flange	
9	4297214	1	Bracket	
10	4297113	1	Clamp, Hose	
11	4297215	1	Tube, Oil Separator	
12	4297216	1	Tube, Oil Separator	
13	4198166	1	Clamp, Hose	

> Change from previous revision

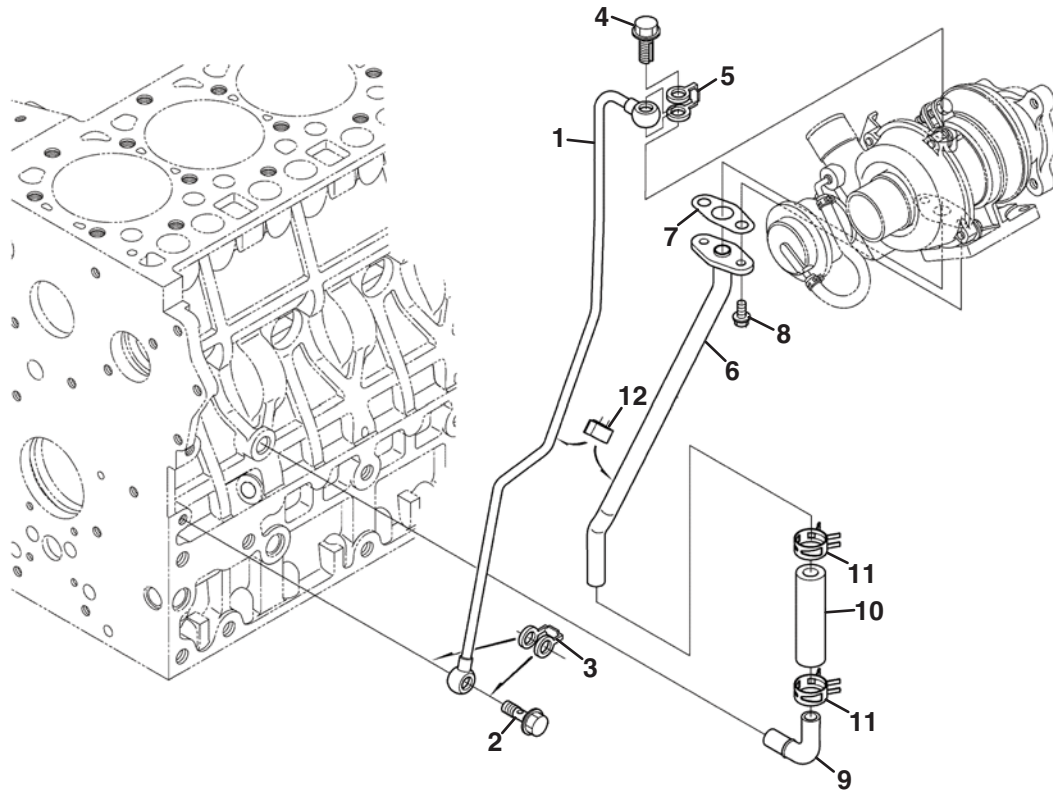
**36.1 Oil Separator Breakdown**



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297173	1	Assembly Separator	
2	N/S	1	• Base, Separator	
3	4297137	1	• Element, Kit	
4	4297136	1	• • O Ring	

> Change from previous revision

## 37.1 Turbo Charger Oil Pipe

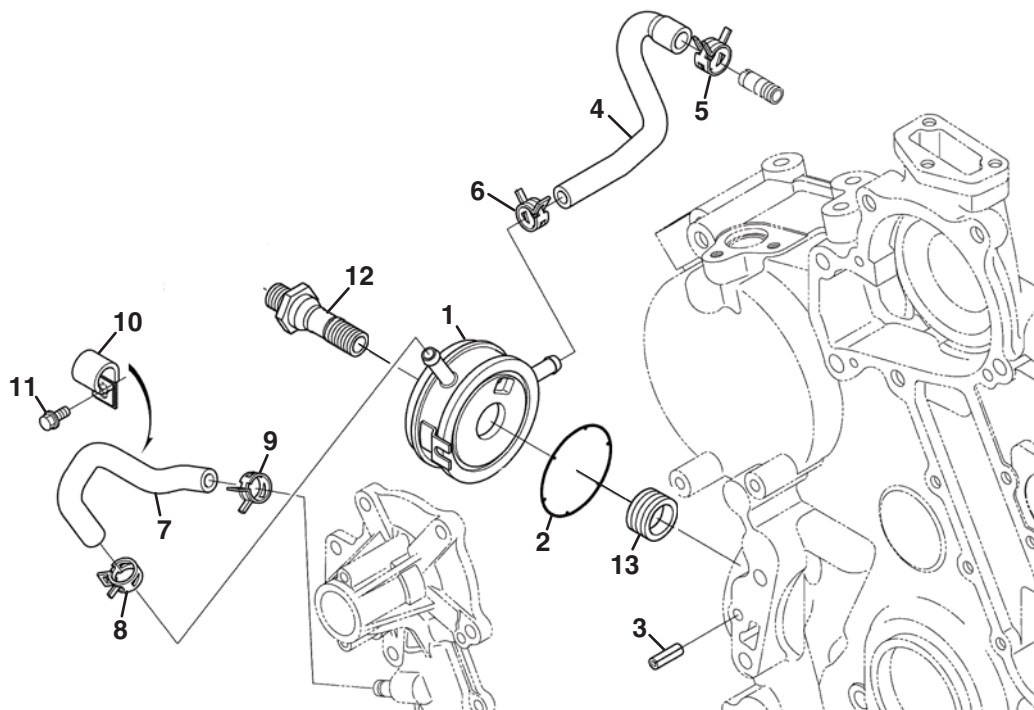


Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297224	1	Pipe, Comp, Oil	
2	4297257	1	Bolt, Connect.	
3	4138246	1	Gasket	
4	4297124	1	Bolt, Eye Joint	
5	4251799	1	Gasket	
6	4297225	1	Comp. Pipe, Oil	
7	4138248	1	Gasket	
8	4138249	2	Bolt, Flange	
9	4134421	1	Pipe, Oil	
10	4297125	1	Tube, Oil	
11	5003612	2	Clamp, Hose	
12	4297255	1	Clamp, Pipe	

> Change from previous revision



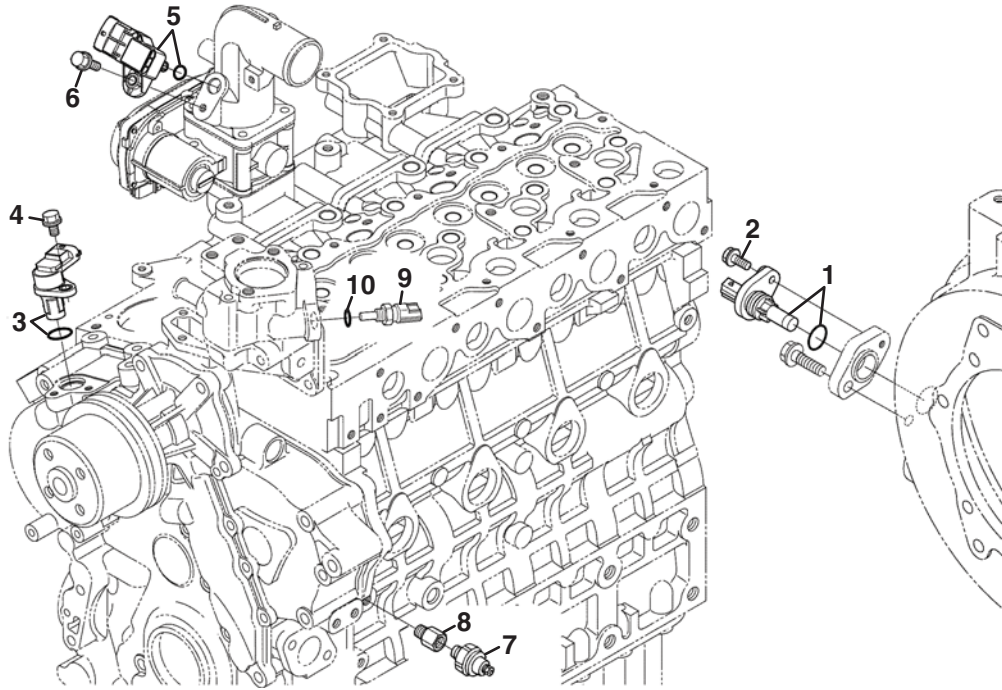
## 38.1 Oil Cooler



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297121	1	Cooler, Oil, Assembly	
2	4297122	1	• Packing	
3	4198164	1	Roller Pin	
4	4134429	1	Hose, Oil Cooler	
5	4134368	1	Band, Hose	
6	2501011	1	Band, Pipe	
7	4297193	1	Hose, Oil Cooler	
8	2501011	1	Band, Pipe	
9	2501011	1	Band, Pipe	
10	4297194	1	Clamp	
11	4138249	1	Bolt, Flange	
12	4134212	1	Connector	
13	4297123	1	Collar	

> Change from previous revision

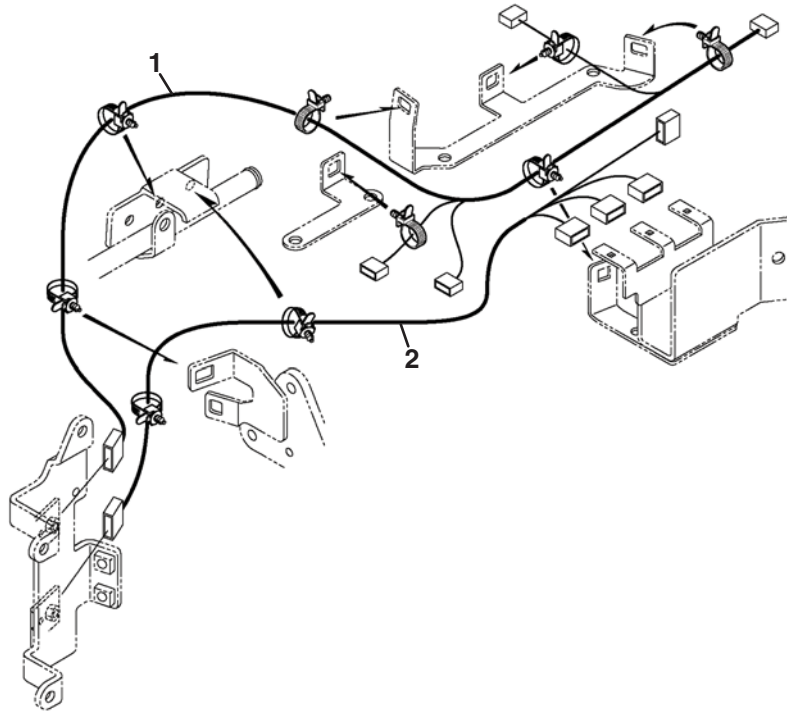
## 39.1 Engine Sensors



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297158	1	Sensor	
2	557366	1	Bolt, Flange	
3	4297200	1	Sensor	
4	557366	1	Bolt, Flange	
5	4297240	1	Sensor, Boost	
6	5003269	1	Bolt, Flange	
7	554018	1	Switch, Oil	
8	4297239	1	Adapter	
9	4297262	1	Sensor, Water Temp.	
10	4297107	1	O Ring	

> Change from previous revision

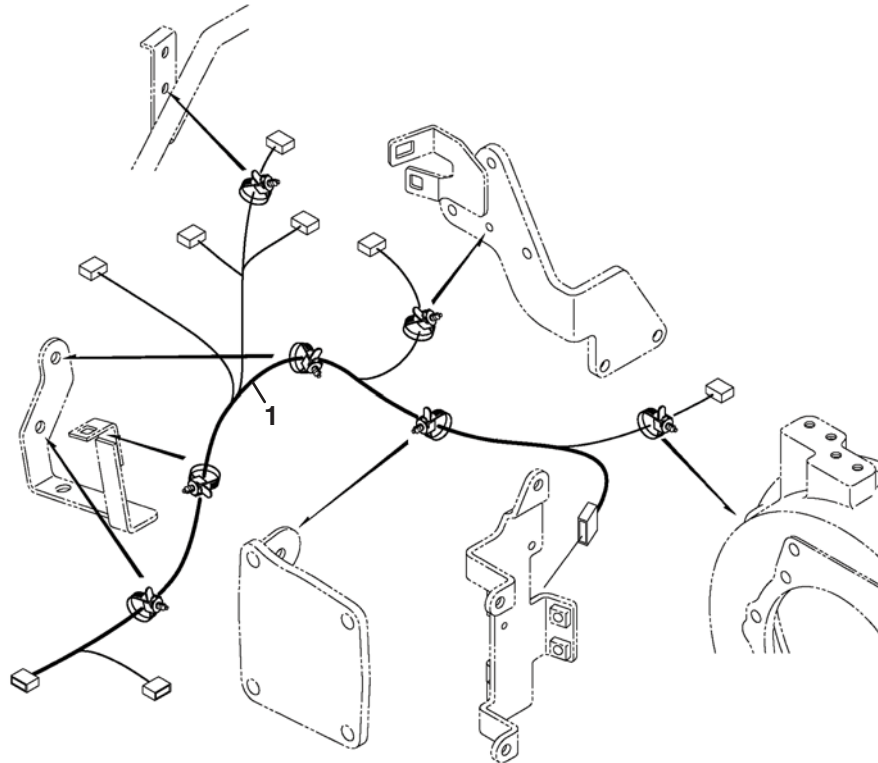
## 40.1 Injector and DPF Wire Harness



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297203	1	Harness, Injector Wire	
2	4297204	1	Harness, DPF Wire	

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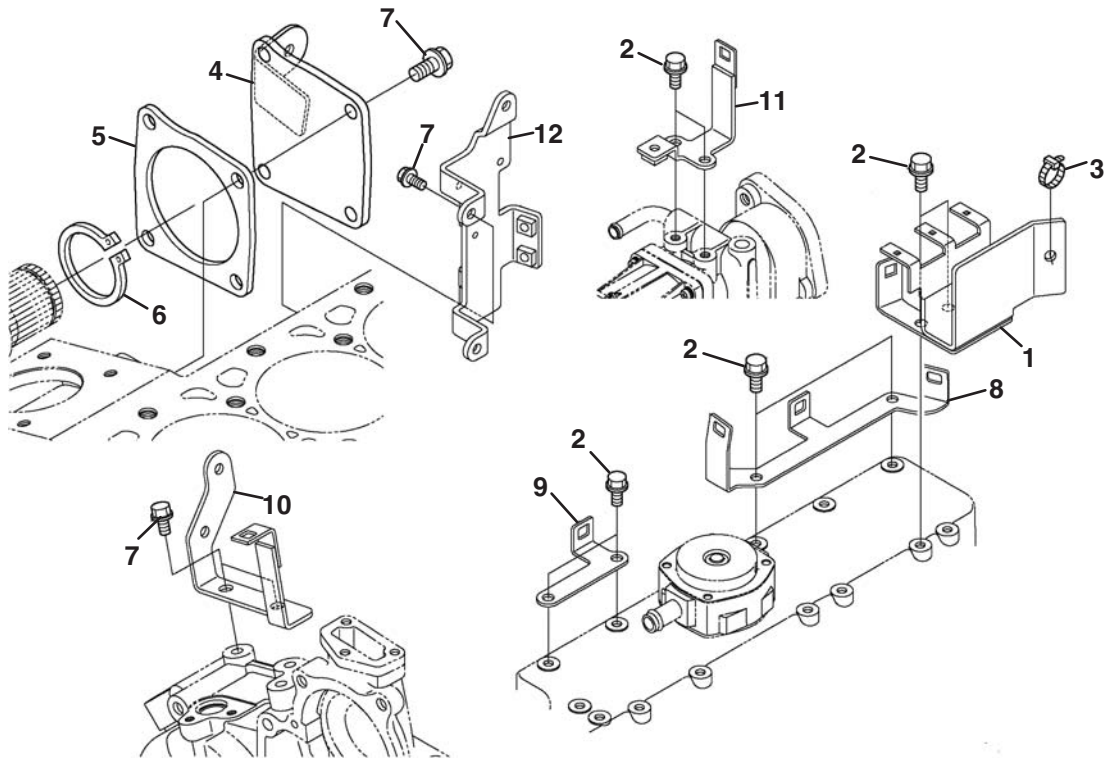
## 41.1 Engine Wire Harness



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297202	1	Harness, Engine Wire	

> Change from previous revision

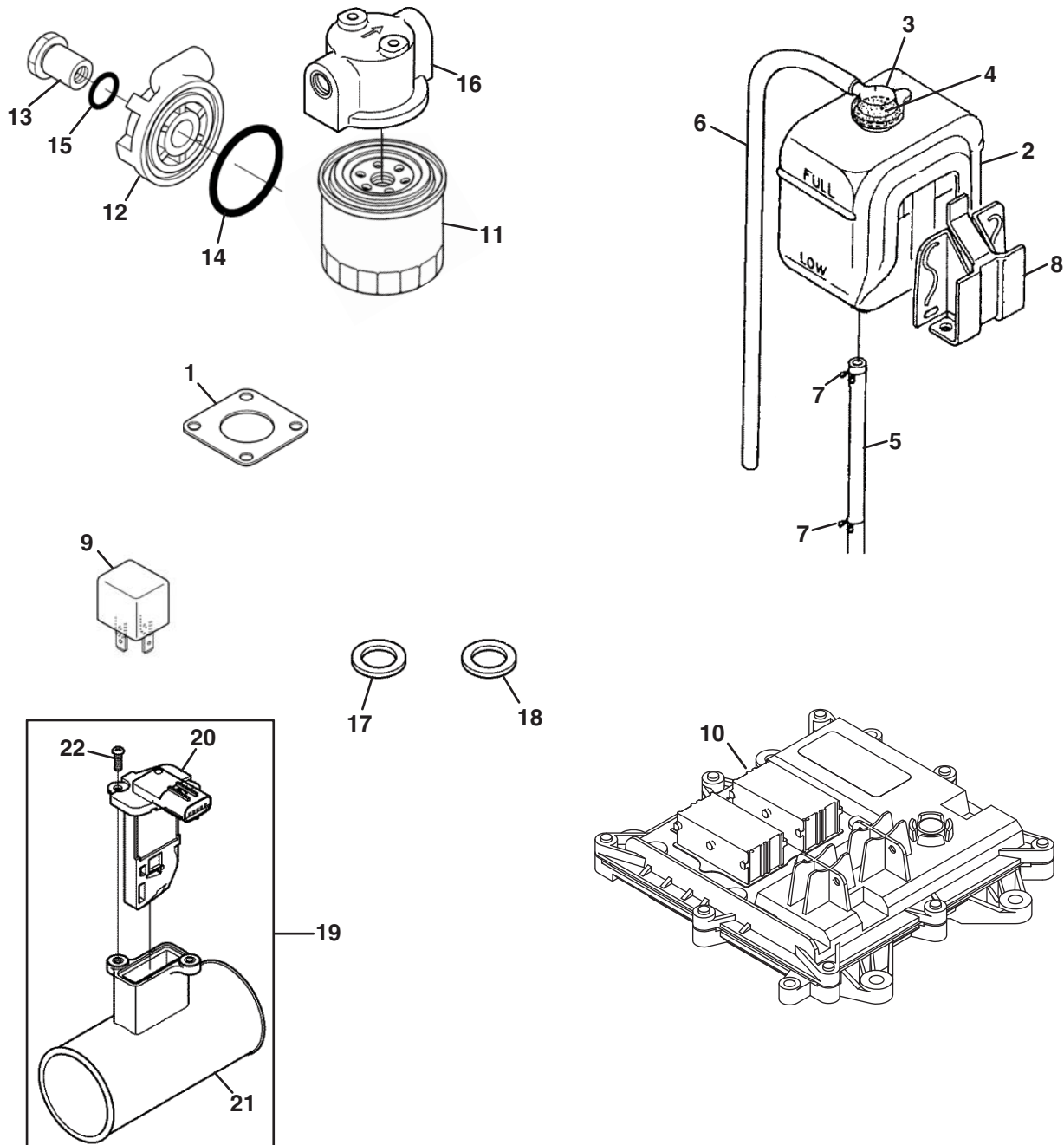
## 42.1 Wire Harness Brackets



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4297208	1	Bracket, Connector	
2	4297102	7	Bolt, Flange	
3	4297264	1	Clip	
4	4297181	1	Cover, Fuel Camshaft	
5	4198321	1	Gasket	
6	594360	1	Cir-clip, External	
7	2811976	9	Bolt, Flange	
8	4297205	1	Bracket, Connector	
9	4297226	1	Bracket, Connector	
10	4297206	1	Bracket, Wire Harness 3	
11	4297207	1	Bracket, Connector	
12	4297209	1	Bracket, Connector	

> Change from previous revision

## 43.1 Loose Components



Item	Part No.	Qty.	Description	Serial Numbers/Notes
1	4134436	1	Gasket, Muffler	
2	557367	1	Tank, Assembly, Reserve	
3	557984	1	• Cap	
4	2500815	1	• Packing	
5	557370	1	• Pipe, Water Over Flow	
6	557371	1	• Pipe, Water Over Flow	
7	553914	2	• Clip, Pipe	
8	557374	1	Stay, Reserve Tank	
9	4271134	2	Relay	Main Relay and Starter Relay
10	4277151	1	Assembly ECU	
11	4113986	1	Filter, Cartridge, Oil	
12	4136120	1	Adapter, Oil Filter	
13	4133240	1	Plug, Oil Filter	
14	4133241	1	O-ring	
15	4133242	1	O Ring	
16	4183634	1	Base, Oil Filter	
17	4297148	2	Gasket	
18	4297146	2	Gasket	
19	4266170	1	Sensor, Assembly	
20	4297131	1	• Sensor, Air Flow	
21	4297177	1	• Pipe, Air Flow	
22	4297103	2	• Screw, Pan Head, Phill	

> Change from previous revision

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