



Engine Parts Manual

Kubota® Diesel Engine

V2403-CR-E4B-TXN-1

V2403-CR-E5B-TXN-1

V2403-CR-E4B-TXN-2

V2403-CR-E5B-TXN-2

V2403-CR-E4B-TXN-3

D1803-CR-E4B-TXN-1

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

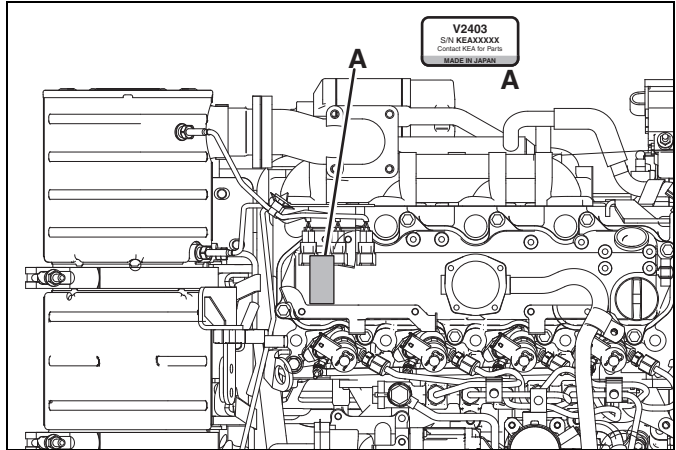
This manual contains a parts list for your Kubota Engine.

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		4297258	V-Belt (V2403 Engines A and B)
	4297133	Element, Fuel Filter		4138120	V-Belt (D1803 Engine C)
	10013651	Element, Fuel Filter		4370226	V-Belt (V2403 Engines D)
	4297126	Water Separator Element		10013600	V-Belt (V2403 Engine E) 39"
				10013601	V-Belt (V2403 Engine E) 39.5"
				1001267	V-Belt (V2403 Engine F) 41"

CALIFORNIA PROPOSITION 65

WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

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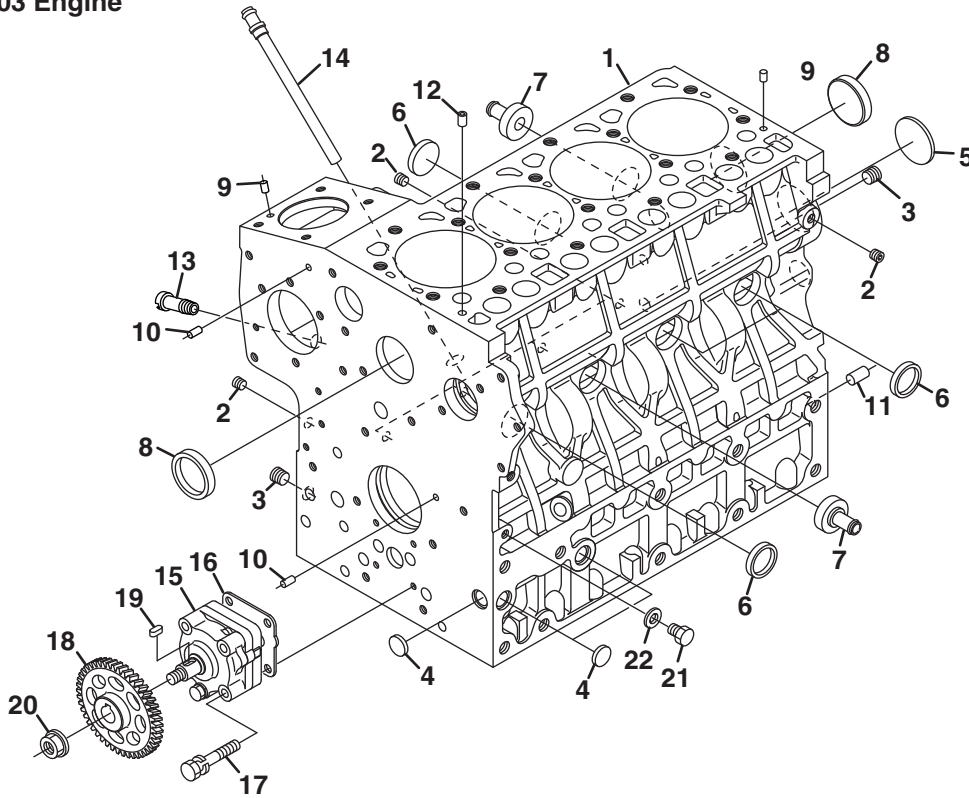
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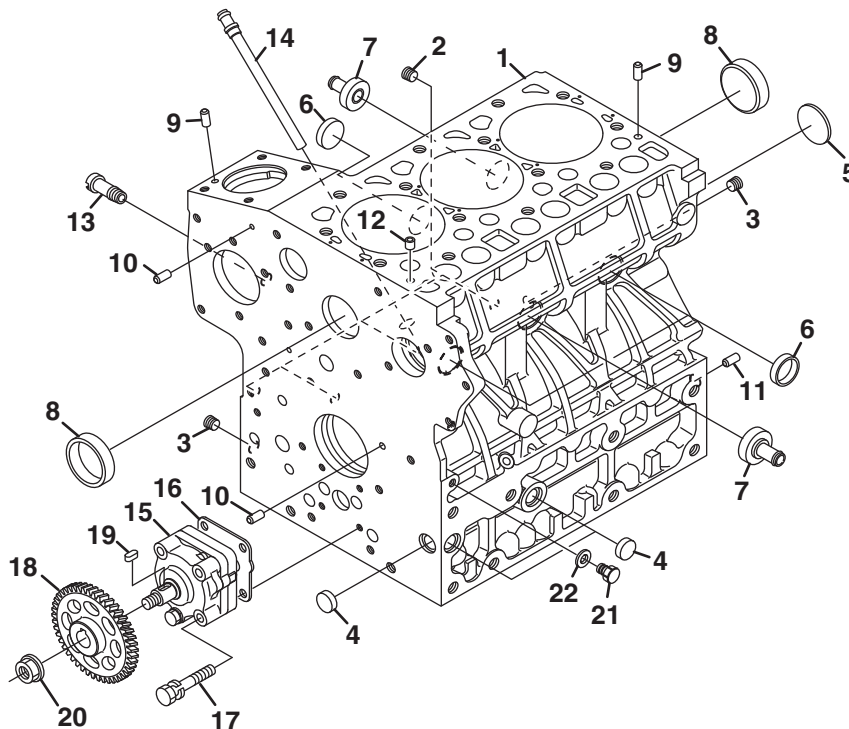
KUBOTA D1803/V2403

1.1 Crankcase

V2403 Engine



D1803 Engine



A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D	1	4306343	1	Comp. V2403 Crankcase	
E F	1	10013631	1	Comp, V2403 Crankcase	
C	1	4318335	1	Comp. D1803 Crankcase	
A B D E	2	552950	6	• Plug	
F					
C	2	552950	4	• Plug	
	3	552951	2	• Plug	
	4	5001308	3	• Plug, Concave	
	5	2500877	1	• Plug, Concave	
A B D E	6	552952	4	• Plug, Cup Type	
F					
C	6	552952	3	• Plug, Cup Type	
	7	4297256	2	• Pipe, Comp Water	
A B C D		4134204	1	• • Pipe, Water Return	
E F	7	10013543		• • Pipe, Water Return	
		4318373	1	• • Plug	
	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	4289855	1	Gear, Oil Pump Drive	
	19	550427	1	Key, Feather	
	20	556915	1	Nut	
	21	4289854	1	Plug	
E F	21	10013544	1	Plug	
	22	552958	1	Gasket	
E F	22	10013545	1	Gasket	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

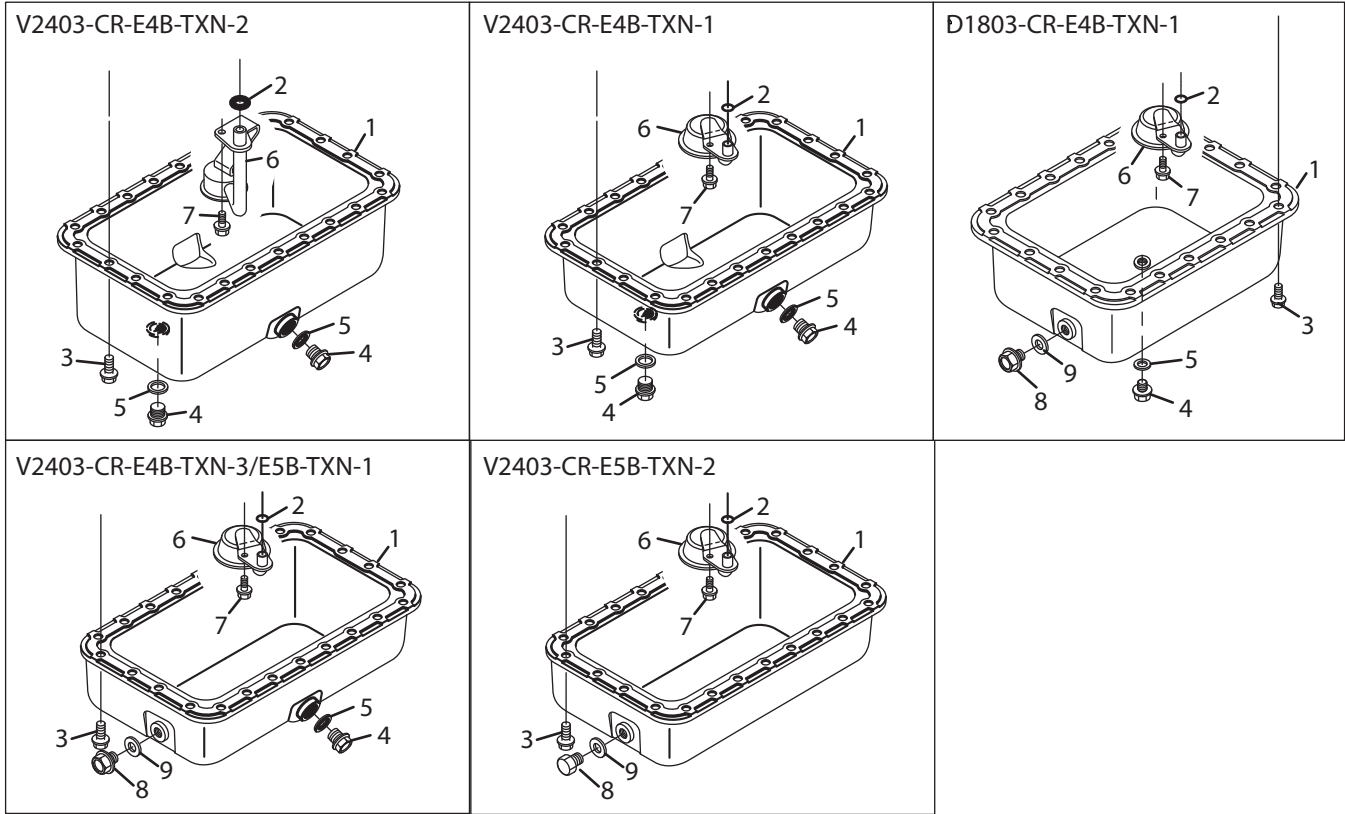
E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

2.1 Oil Pan



A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	556916	1	Comp. Oil Pan	
B	1	4309978	1	Oil Pan, 90 mm	
C	1	4318307	1	Oil Pan, 90 mm	
D	1	686081	1	Oil Pan, 90 mm	
E	1	10013567	1	Oil Pan	
F	1	10012632	1	Oil Pan	
	2	4134178	1	O-Ring	
AB	3	556918	24	Bolt, Flange	
C	3	556918	20	Bolt, Flange	
D	3	4198371	24	Bolt, Flange	
EF	3	10013568	24	Bolt Flange	
AB	4	4134176	2	Plug, Drain	
CD	4	4177260	1	Plug, Drain	
E	4	10013569	1	Plug, Drain	
F	4	10012633	1	Plug, Drain	
AB	5	2500811	2	Gasket	
CD	5	2500811	1	Gasket	
E	5	10013570	1	Gasket	
F	5	10013572	1	Gasket	
A	6	4134177	1	Filter, Oil	
BC	6	4309979	1	Filter, Oil	
D	6	686085	1	Filter, Oil	
EF	6	10013573	1	Filter, Oil	
	7	4198160	1	Bolt, Flange	
CD	8	4318306	1	Plug, Drain	
E	8	10013571	1	Plug, Drain	
CD	9	556920	1	Gasket	
E	9	10013572	1	Gasket	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

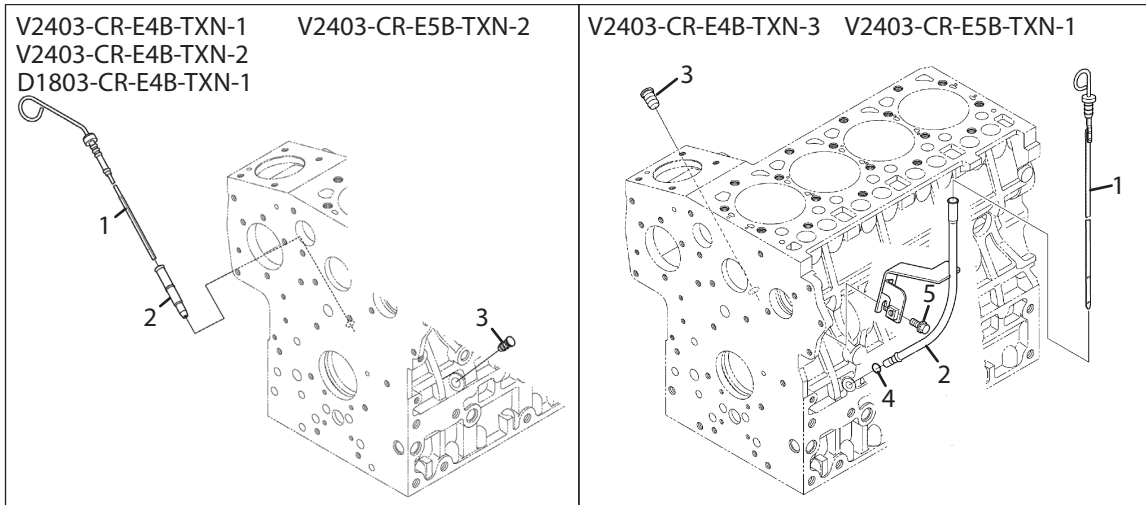
E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

3.1 Oil Dipstick and Guide



A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289870	1	Gauge, Eng. Oil	AR522
B C	1	4309980	1	Gauge, Eng. Oil	LF550-H/LF570-H
D	1	686088	1	Gauge, Eng. Oil	AR530
E	1	10012634	1	Gauge, Eng. Oil	
F	1	10012634		Gauge, Eng. Oil	
A B C	2	4111662	1	Guide, Gauge, Oil	
F					
E	2	10012635	1	Guide, Gauge, Oil	
D	2	686138	1	Guide, Gauge, Oil	
	3	2812014	1	Plug, Oil Gauge	
D	4	5002033	1	• O-Ring	
D	5	4198160	1	Bolt, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

E- V2403-CR-E5B-TXN-1

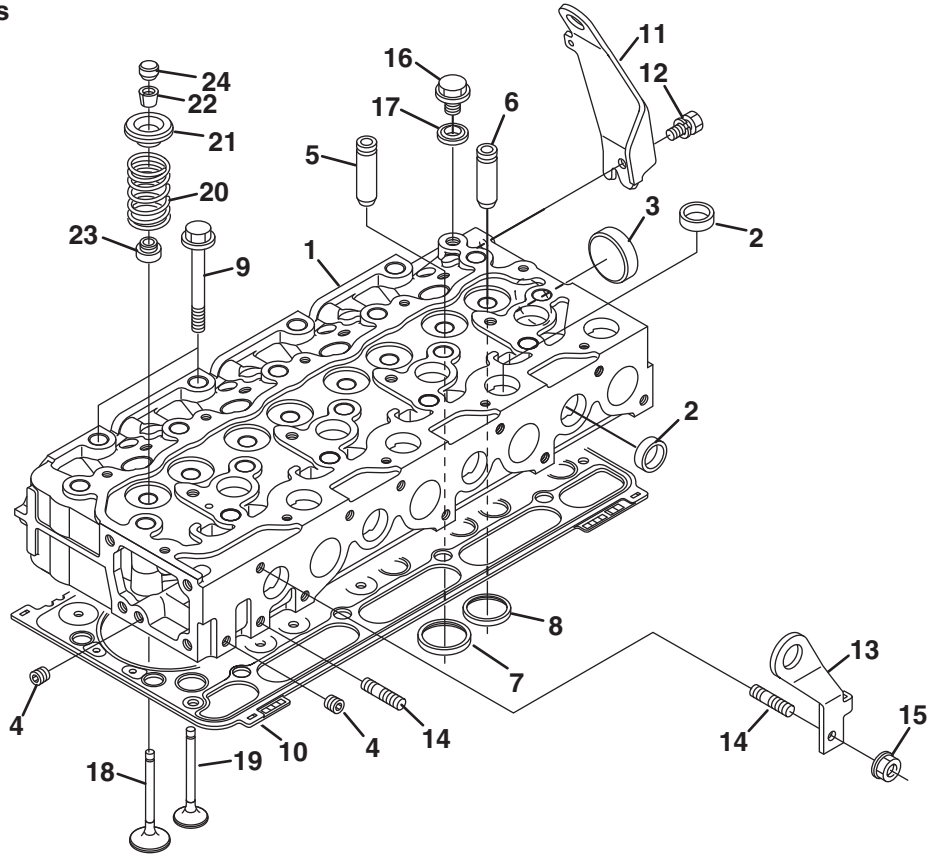
F- V2403-CR-E5B-TXN-2

- Used on all engines

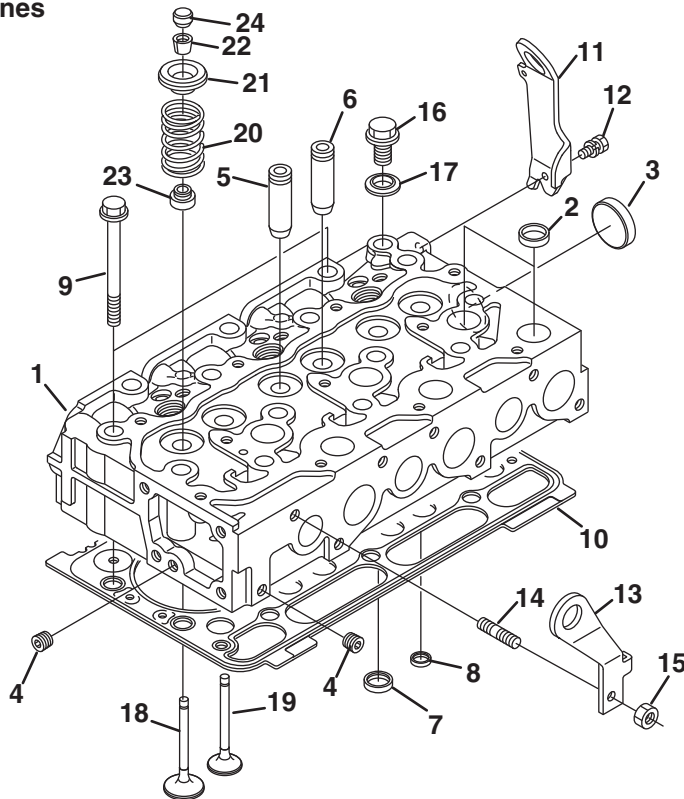
KUBOTA D1803/V2403

4.1 Cylinder Head

V2403 Engines



D1803 Engines



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
AB	1	4306344	1	Comp. Cylinder Head	
C	1	4318339	1	Comp. Cylinder Head	
D	1	686107	1	Comp. Cylinder Head	
EF	1	10013632	1	Comp. Cylinder Head	
	2	552976	9 / 12	• Plug, Cup Type	
	3	552977	1	• Plug, Cup Type	
	4	552978	2	• Plug	
ABC D	5	4289852	3 / 4	• Guide, Valve, Inlet	
	5	10013575	4	• Guide, Valve, Inlet	
ABC D	6	556927	3 / 4	• Guide, Exhaust Valve	
	6	10013576	4	• Guide, Exhaust Valve	
ABC D	7	4289807	3 / 4	• Seat, Inlet Valve	
	7	10013633	4	• Seat, Inlet Valve	
ABC D	8	4289806	3 / 4	• Seat, Exhaust Valve	
	8	10013634	4	• Seat, Exhaust Valve	
ABC D	9	556928	14 / 18	Bolt, Head, Cylinder	
	10	10013577	18	Bolt, Head, Cylinder	
ABD	11	4198329	1	Gasket, 1.15 mm Cylinder Head	
C	11	4318315	1	Gasket, 1.15 mm Cylinder Head	
EF	11	10013578	1	Gasket, 1.15 mm Cylinder Head	
ABD	11	4198328	1	Gasket, 1.20 mm Cylinder Head	
C	11	4318314	1	Gasket, 1.20 mm Cylinder Head	
EF	11	10012644	1	Gasket, 1.20 mm Cylinder Head	
ABD	11	4198330	1	Gasket, 1.25 mm Cylinder Head	
C	11	4318316	1	Gasket, 1.25 mm Cylinder Head	
EF	11	10012645	1	Gasket, 1.25 mm Cylinder Head	
ABD	11	4198331	1	Gasket, 1.30 mm Cylinder Head	
C	11	4318317	1	Gasket, 1.30 mm Cylinder Head	
EF	11	10012646	1	Gasket, 1.30 mm Cylinder Head	
ABD	11	4198332	1	Gasket, 1.35 mm Cylinder Head	
C	11	4318318	1	Gasket, 1.35 mm Cylinder Head	
EF	11	10012647	1	Gasket, 1.35 mm Cylinder Head	
ABD	12	4297169	1	Hook, Engine, Rear	
C	12	4318337	1	Hook, Engine, Rear	
EF	12	10012648	1	Hook, Engine, Rear	
	13	4289891	1	Bolt, Sems	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F	14	4297168	1	Hook, Engine, Front	Set
	C	4318336	1	Hook, Engine, Front	
	15	4134179	2	Stud	
	16	4134395	1	Nut, With Lock Washer	
	17	556930	1	Plug	
	18	556931	1	Washer, Seal	
	19	4289837	3 / 4	Valve, Inlet	
E F	19	10013579	4	Valve, Inlet	
	20	4289838	3 / 4	Valve, Exhaust	
E F	20	10013580	4	Valve, Exhaust	
	21	4289850	6 / 8	Spring, Valve	
	22	553028	6 / 8	Retainer, Valve Sp.	
	23	4134385	12 / 16	Collet, Valve Spring	
	24	553030	6 / 8	Seal, Valve Stem	
	25	4289851	6 / 8	Cap, Valve	

A - V2403-CR-E4B-TXN-2
D - V2403-CR-E4B-TXN-3

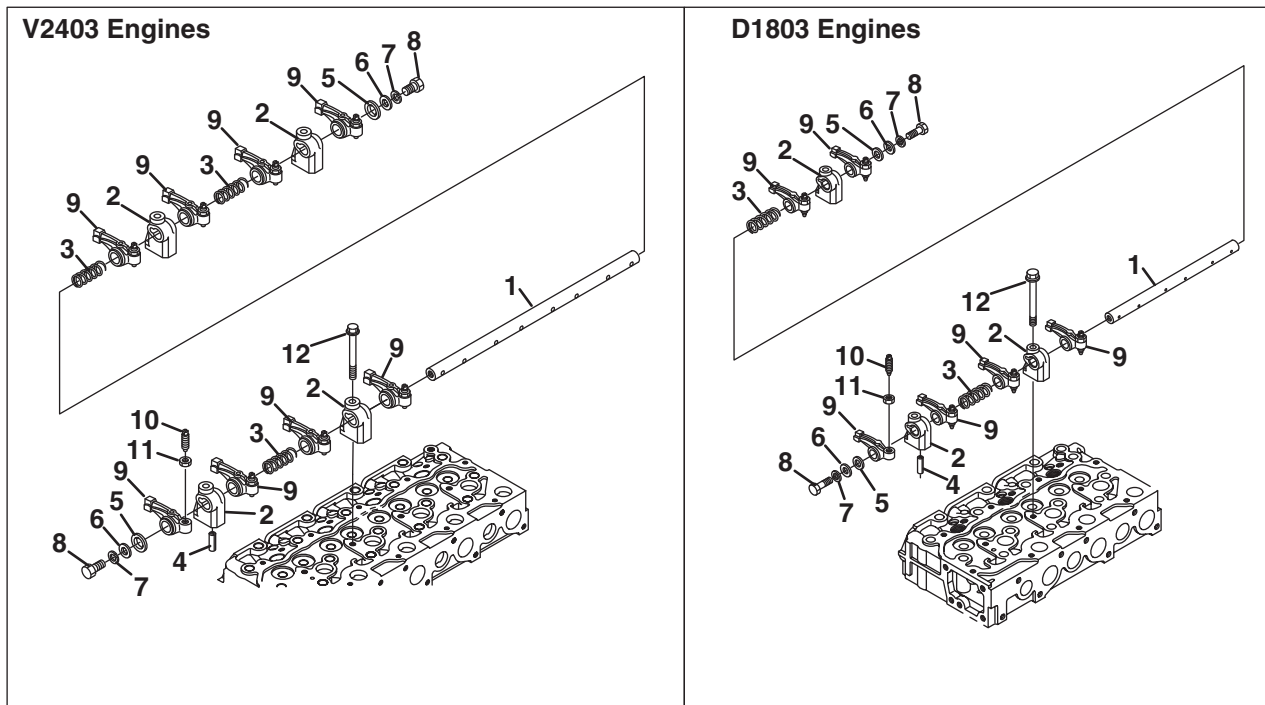
B - V2403-CR-E4B-TXN-1
E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

C - D1803-CR-E4B-TXN-1
- Used on all engines

KUBOTA D1803/V2403

5.1 Rocker Arm Shaft



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F C	1	4159660	1	Shaft, Rocker Arm	
	1	4318308	1	Shaft, Rocker Arm	
	2	553033	3 / 4	Bracket, Rocker Arm	
	3	553037	2 / 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	6 / 8	Arm, Rocker, Assembly	
	10	4289853	6 / 8	Screw, Adjusting	
	11	4138207	6 / 8	Nut	
12	4134387	3 / 4	Bolt, Flange		

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

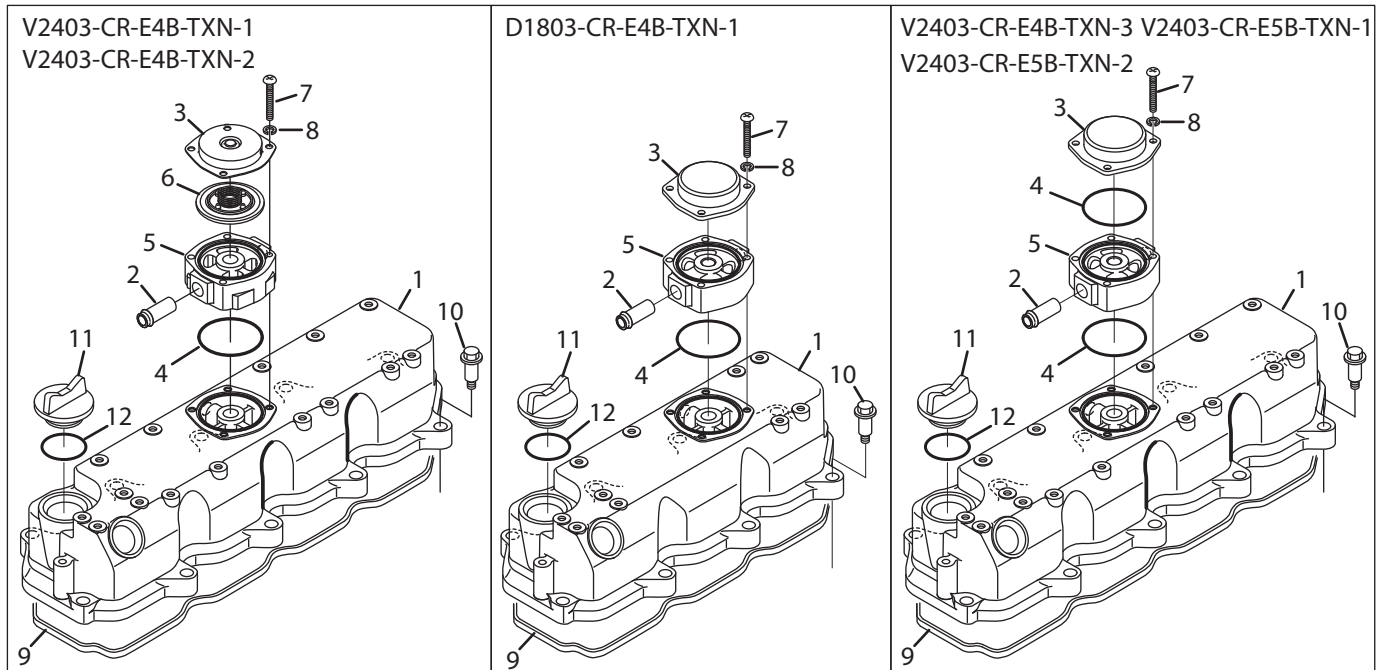
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

6.1 Head Cover



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D	1	4297178	1	Cover, Assembly, Head, Cylinder	
EF	1	4318351	1	Cover, Assembly, Head, Cylinder	
C	2	4134204	1	• Pipe, Water Return	
EF	3	10013582	1	• Pipe, Water Return	
A B	4	4145911	1	• Cover, Breather	
C D	4	4318312	1	• Cover, Breather	
EF	4	10013583	1	• Cover, Breather	
	5	4134206	2	• O Ring, Breather	
A B	6	4297179	1	• Spacer, Breather	
C	6	4318334	1	• Spacer, Breather	
D	6	686117	1	• Spacer, Breather	
E F	6	10013582	1	• Spacer, Breather	
A B	7	4145912	1	• Comp Valve, Breather	
	8	4297104	4	• Screw, Pan Head, Phill	
	9	550407	4	• Washer, Spring Lock	
A B D	10	4134208	1	Gasket, Head Cover	
C	10	4318309	1	Gasket, Head Cover	
	11	4134209	8 / 10	Bolt	
	12	4134210	1	Plug, Oil Filler	
	13	4134211	1	O-Ring	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

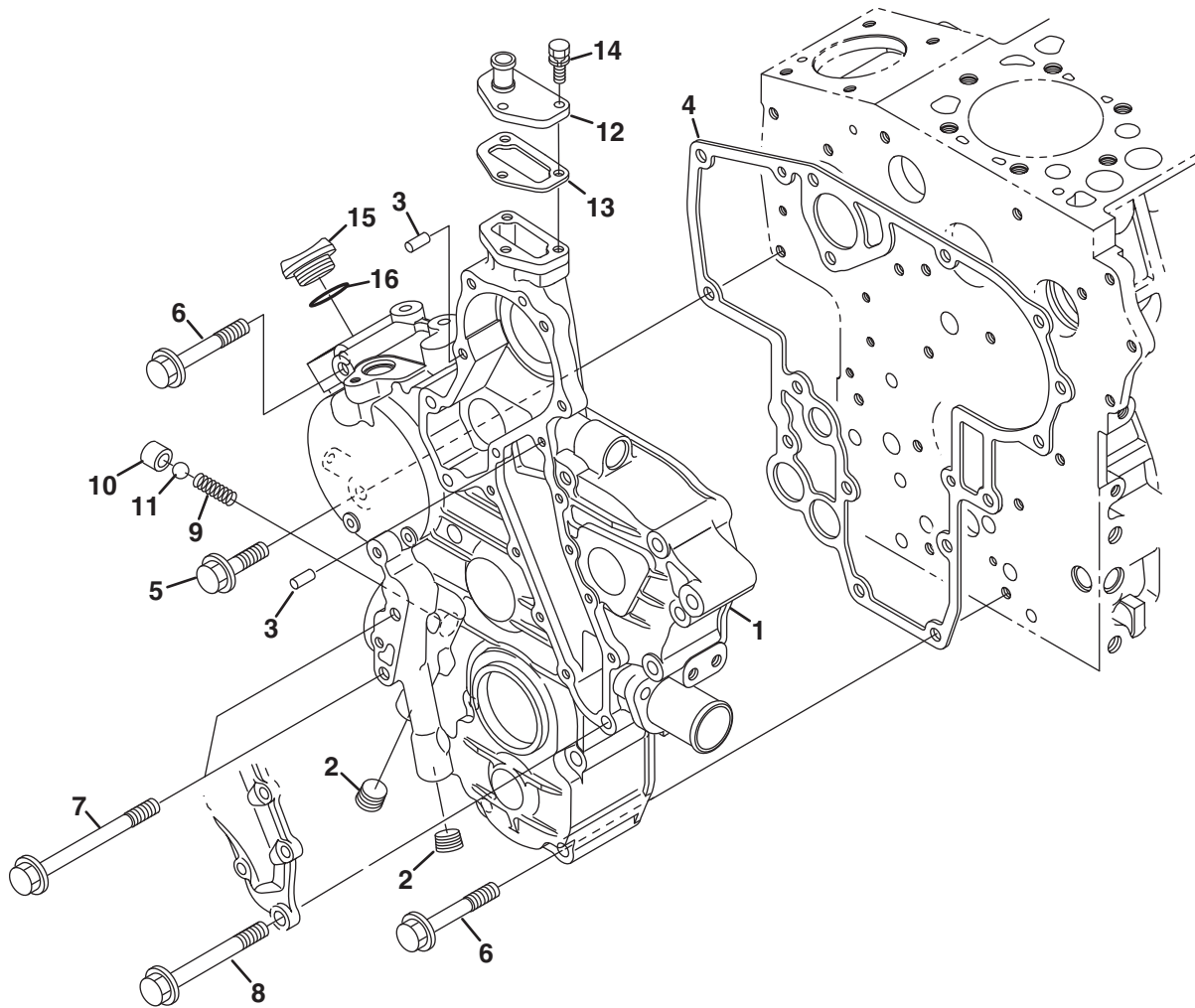
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

7.1 Gear Case



KUBOTA D1803/V2403

Engine	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	1	Plug, Oil Filler	
	16	4134211	1	O Ring	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

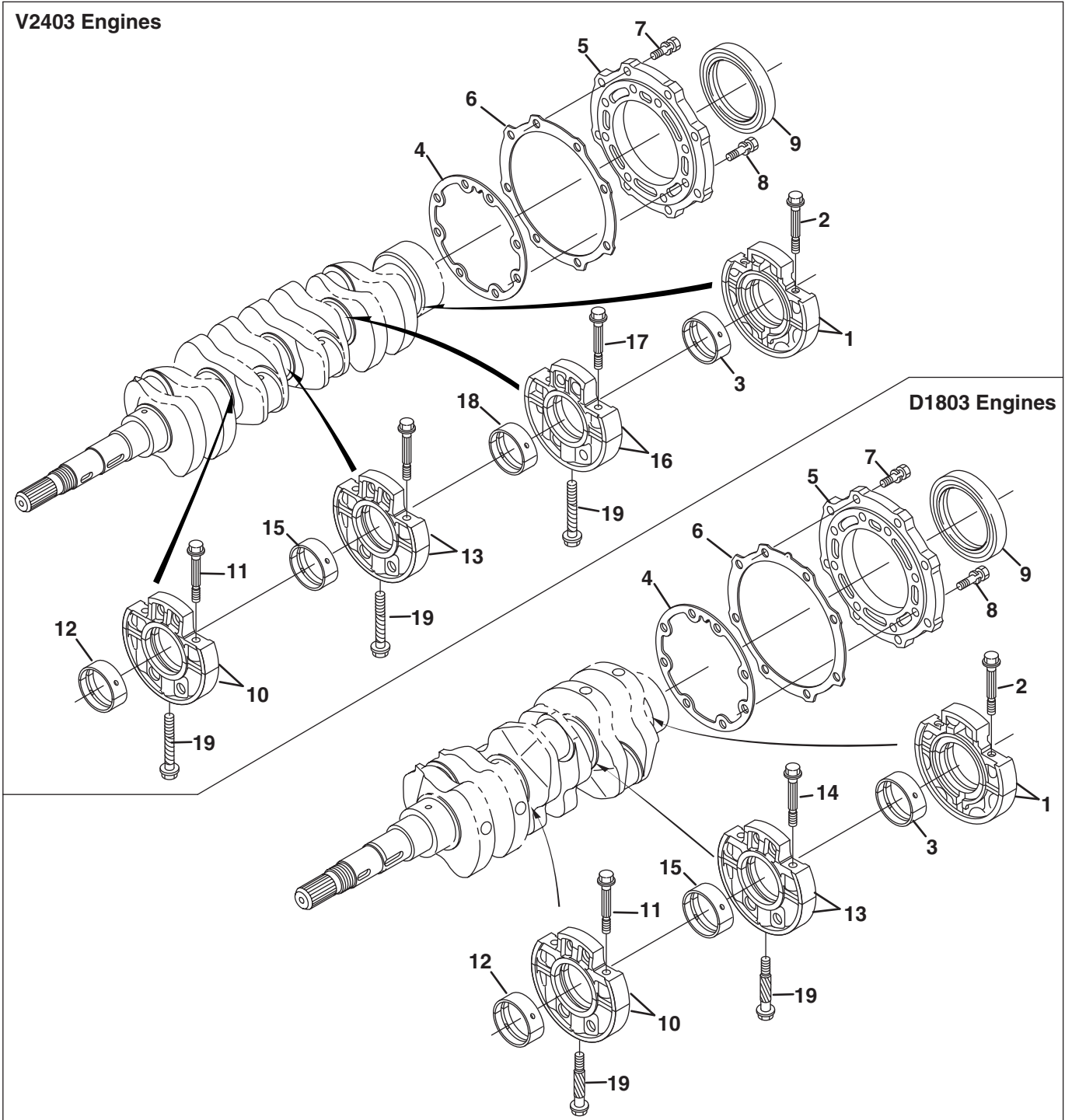
E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

8.1 Main Bearing Case



KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
	1	4198242	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	4198301	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	4198302	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
ABD EF	16	4198303	1	Assembly Brg. Case, Main	
ABD EF	17	4134220	2	• Bolt, Case, Brg	
ABD EF	18	4134221	1	• Metal, Std. Crankshaft	STD Set
ABD EF	18	4134222	1	Metal, -0.20 mm Crankshaft	-0.20mm Set
ABD EF	18	4134223	1	Metal, -0.40 mm Crankshaft	-0.40mm Set
ABD EF	19	556944	3	Bolt, Case, Brg	
C	19	556944	2	Bolt, Case, Brg	
ABD EF		4198367	1	Kit Metal, STD Engine	Includes Items marked
C		4318322	1	Kit Metal, STD Engine	Includes Items marked
ABD EF		4198368	1	Kit Metal, ± 0.20mm Engine	Includes Items marked
C		4318323	1	Kit Metal, ± 0.20mm Engine	Includes Items marked
ABD EF		4198369	1	Kit Metal, ± 0.40mm Engine	Includes Items marked
C		4318324	1	Kit Metal, ± 0.40mm Engine	Includes Items marked

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B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

E- V2403-CR-E5B-TXN-1

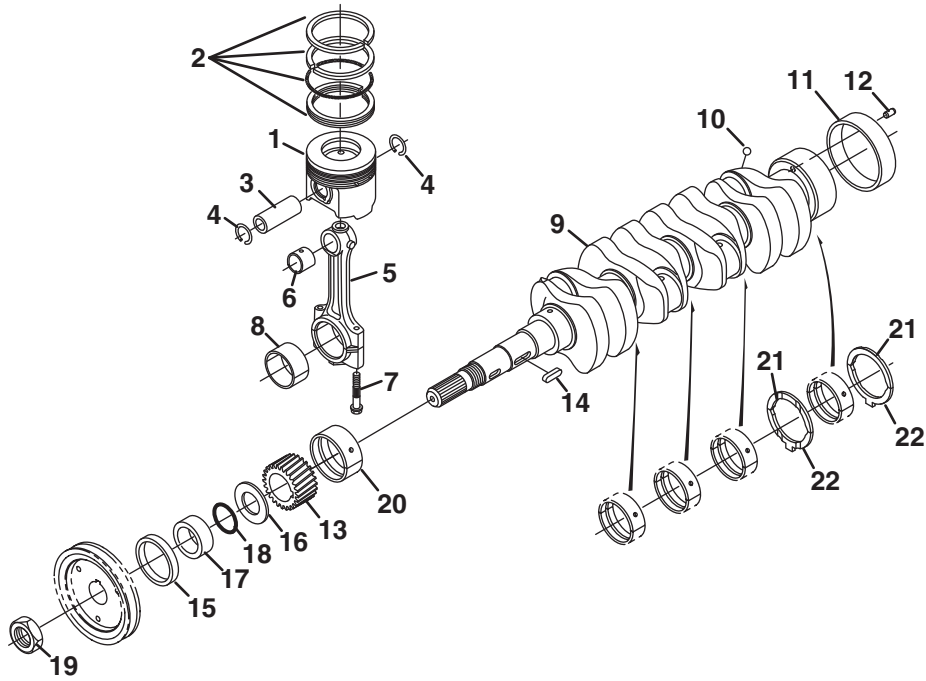
F- V2403-CR-E5B-TXN-2

- Used on all engines

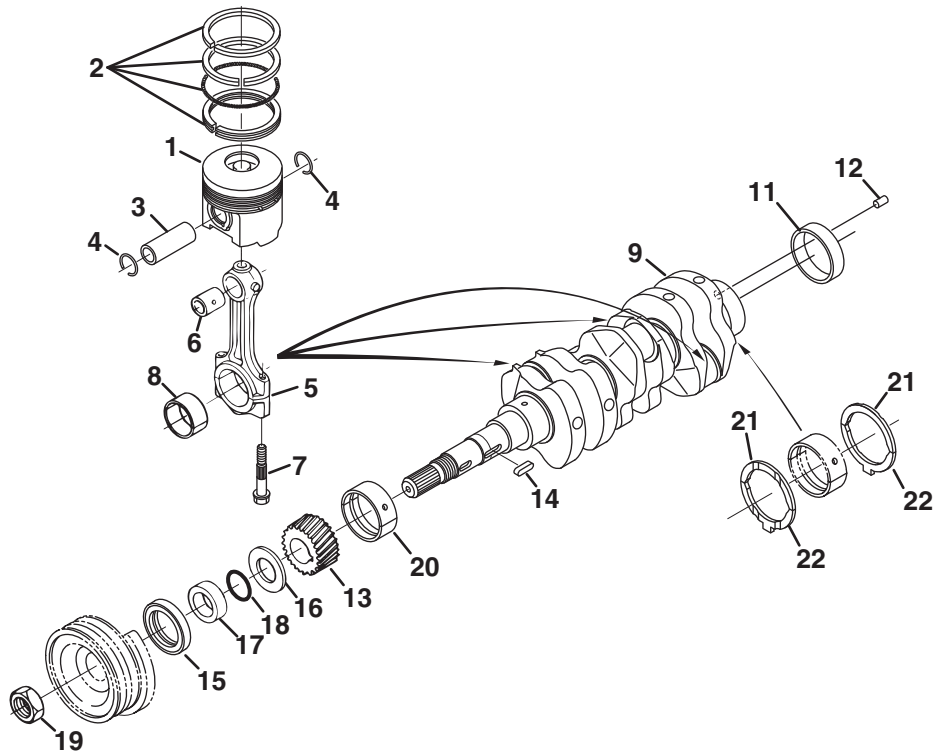
KUBOTA D1803/V2403

9.1 Piston and Crankshaft

V2403 Engines



D1803 Engines



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D C E F A B E F	1	4306345	3 / 4	Piston	STD Set
	1	4306346	3 / 4	Piston	+0.25mm Set
	2	4289820	3 / 4	Ring, Piston, Assembly	STD Set
	2	4289821	3 / 4	Ring, Piston, Assembly	+0.25mm Set
	3	556964	3 / 4	Pin, Piston	
	4	4159662	3 / 8	Circlip, Int	
	5	556966	3 / 4	Rod, Connecting, Assembly	
	6	556967	3 / 4	• Bushing, Pin, Piston	
	7	557331	6 / 8	• Bolt, Rod, Connecting	Torque to 40-45 Nm
	8	556968	3 / 4	• Metal, Std. Crank Pin	STD Set
	8	556969	3 / 4	Metal, -0.20mm Crank Pin	-0.20mm Set
	8	556970	3 / 4	Metal, -0.40mm Set Crank Pin	-0.40mm Set
	9	4289835	1	Crankshaft, Comp	
	9	4318320	1	Crankshaft, Comp	
	9	10012655	1	Crankshaft, Comp	
	10	2500953	4	• Ball 1/4	
	11	553095	1	• Bushing, Crankshaft	
	12	4198236	1	Pin, Straight	
	13	4306347	1	Gear, Crankshaft	
	14	4198165	1	Feather Key	
	15	4297251	1	Seal, Oil	
	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	
A B D E F		4198367	1	Kit Metal, STD Engine	Includes Items marked
C		4318322	1	Kit Metal, STD Engine	Includes Items marked
A B D E F		4198368	1	Kit Metal, ± 0.20mm Engine	Includes Items marked
C		4318323	1	Kit Metal, ± 0.20mm Engine	Includes Items marked
A B D E F		4198369	1	Kit Metal, ± 0.40mm Engine	Includes Items marked
C		4318324	1	Kit Metal, ± 0.40mm Engine	Includes Items marked

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

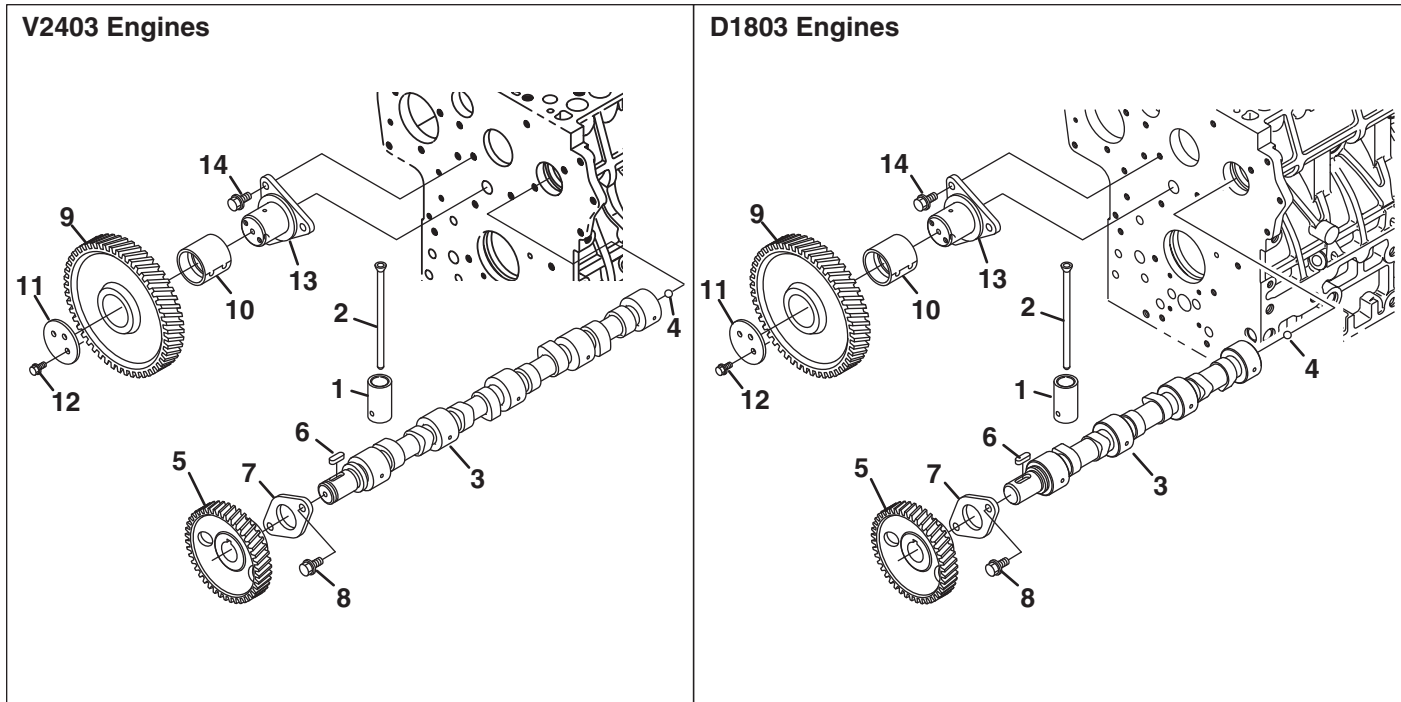
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

10.1 Camshaft and Idle Gear



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F C	1	557322	6 / 8	Tappet	
	2	4198304	6 / 8	Rod, Push	
	3	4289839	1	Assembly Camshaft	
	3	4318319	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	557943	2	Bolt, Flange	
	13	4134440	1	Shaft, Idle Gear	
14	2811976	3	Bolt, Flange		

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

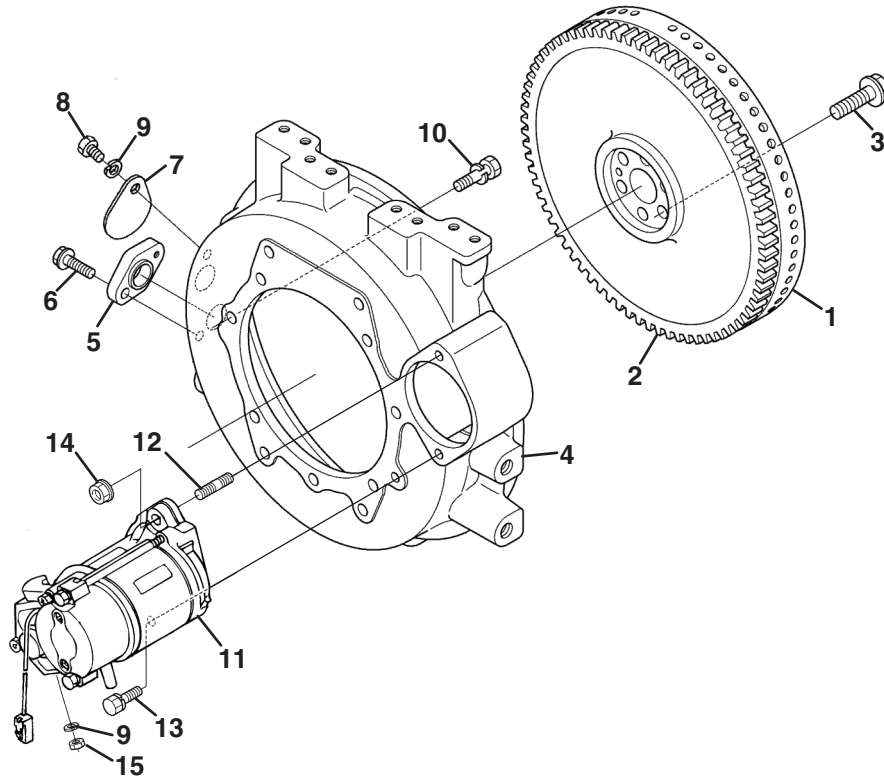
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

11.1 Flywheel Housing



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B E F C	1	4297192	1	Flywheel, Comp	See 12.1 for Service Parts
	1	4318357	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	553102	1	Cover	
	8	594338	1	Hex. Bolt	
	9	5002002	2	Washer, Spring Lock	
10	4134252	11	Bolt		
A B C	11	4198229	1	Assembly Starter	
D	11	686092	1	Assembly Starter	
E F	11	10013585	1	Assembly Starter	
	12	4297100	1	Bolt, Stud	
	13	594337	1	Bolt, Sems	
	14	4251684	1	Nut, Flange	
	15	553851	1	Hex. Nut	

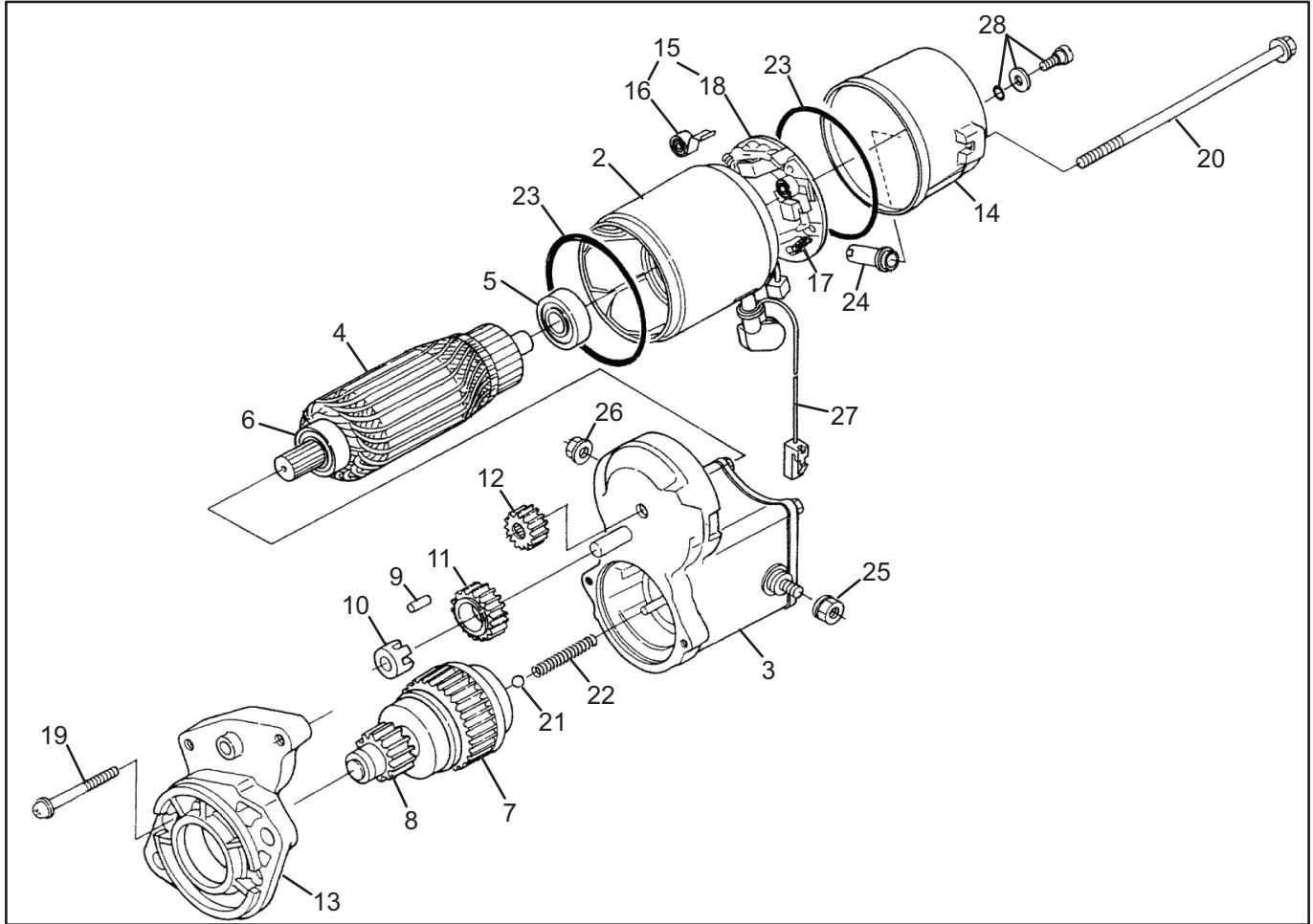
A - V2403-CR-E4B-TXN-2
D - V2403-CR-E4B-TXN-3

B - V2403-CR-E4B-TXN-1
E - V2403-CR-E5B-TXN-1
F - V2403-CR-E5B-TXN-2

C - D1803-CR-E4B-TXN-1
- Used on all engines

KUBOTA D1803/V2403

12.1 Starter Breakdown



KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B C	1	4198229	1	Assembly Starter	
D	1	686092	1	Assembly Starter	
E F	1	10013585	1	Assembly Starter	
	2	4198216	1	• Yoke	
A B C	3	4198130	1	• Assembly Switch, Magnetic	
D	3	686096	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	
A B C	24	4198201	1	• Pipe, Drain	
D	24	5003301	1	• Pipe, Drain	
	25	5001183	1	• Nut, Hexagon	
	26	557912	1	• Nut, Hexagon	
A B C	27	557913	1	• Cord, Stop Solenoid	Not Used on Engine D
	28	4198223	2	• Screw, Pan Hd	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

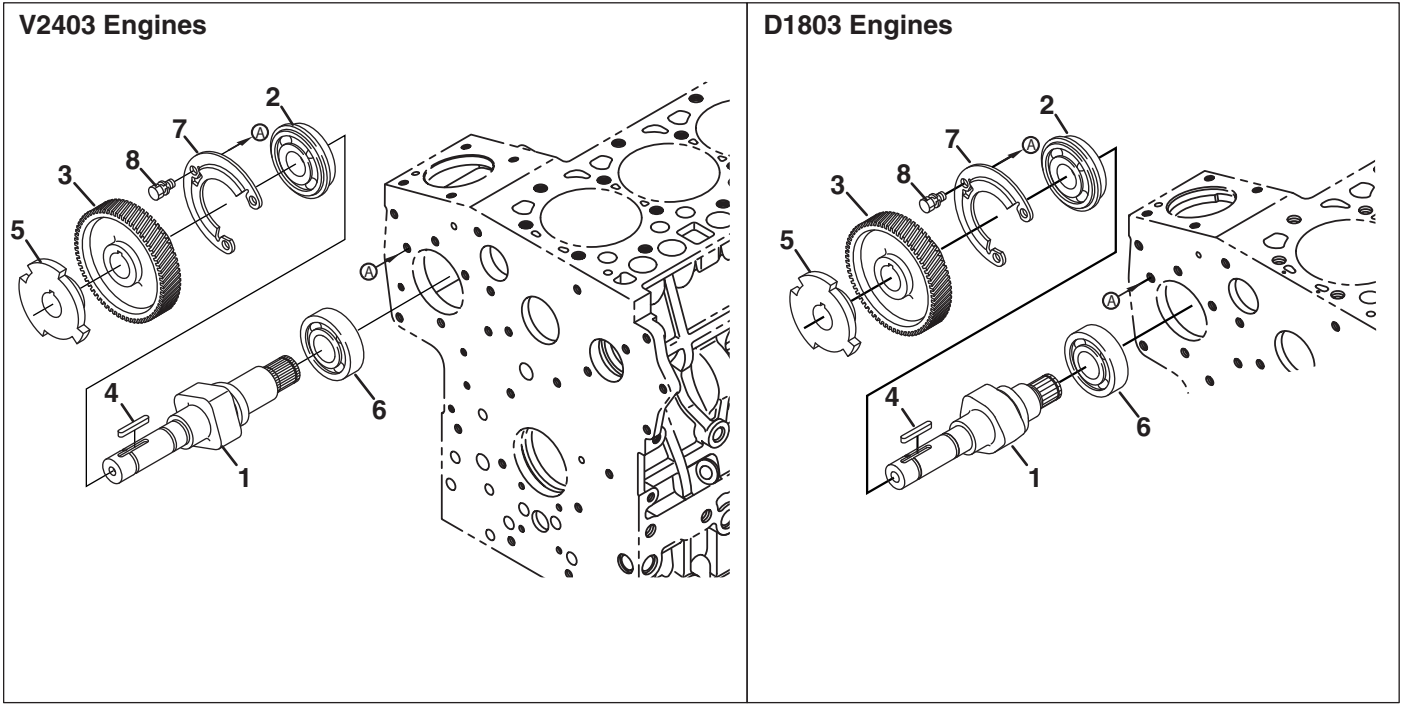
E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

13.1 Fuel Camshaft



A - V2403-CR-E4B-TXN-2
D - V2403-CR-E4B-TXN-3

B - V2403-CR-E4B-TXN-1
E - V2403-CR-E5B-TXN-1
F - V2403-CR-E5B-TXN-2

C - D1803-CR-E4B-TXN-1
- Used on all engines

KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F	1	4297180	1	Assembly Camshaft, Fuel	
	C	4318352	1	Assembly Camshaft, Fuel	
	2	4198383	1	Bearing, Ball	
	3	4297149	1	Gear, Supply Pump	
	4	4297108	1	Feather Key	
A B C E F D	5	4297142	1	Wheel	
	5	686133	1	Wheel	
	6	4198372	1	Brg, Ball	
	7	4297141	1	Stopper, F-camshaft	
	8	4289798	3	Bolt, Sems	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

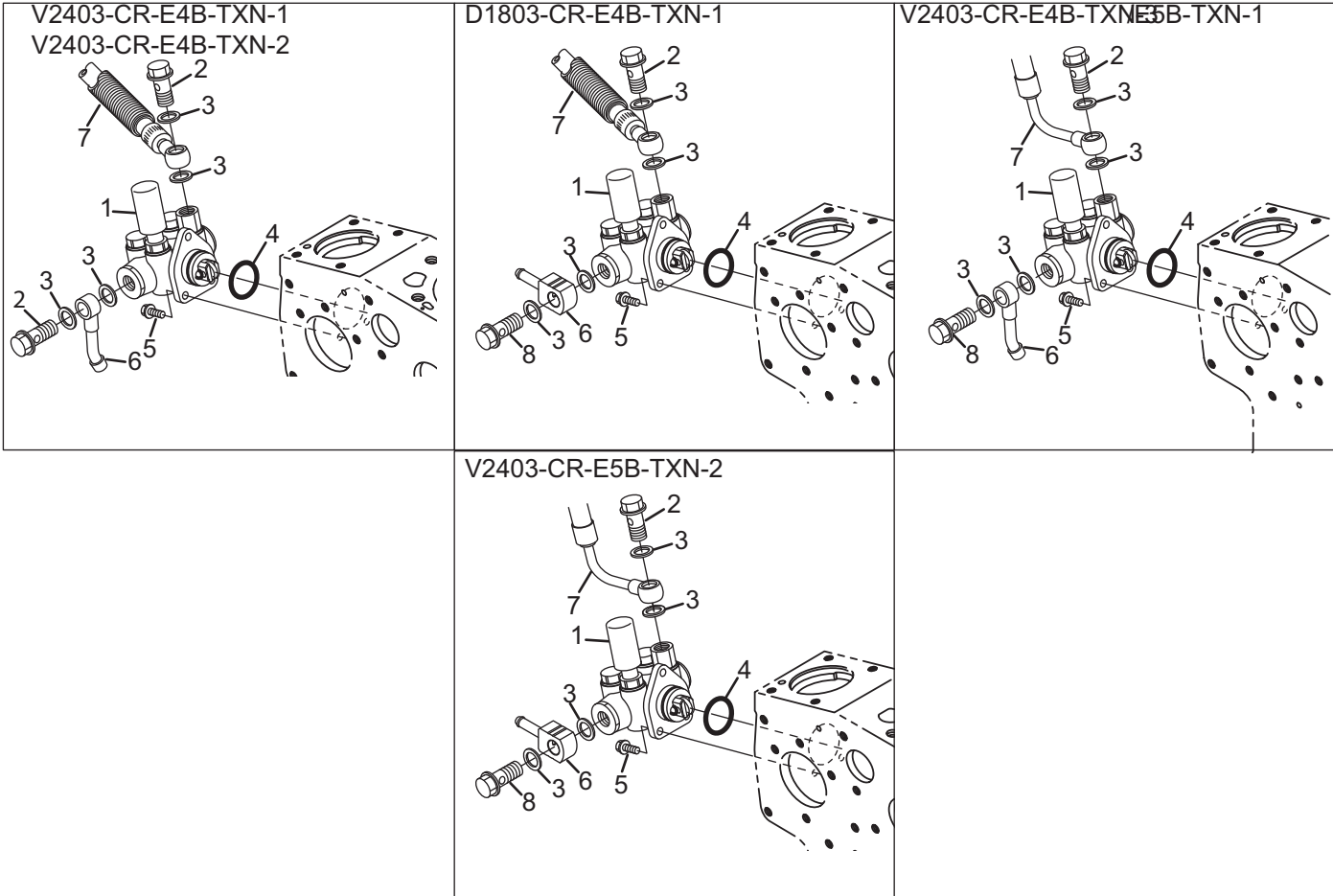
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

14.1 Injection Pump



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B E F C D	1	4297266	1	Pump, Assembly Fuel	See 15.1 for other end of hose. See 15.1 for other end of hose.
	2	4297167	2	Eye Bolt	
	2	4297167	1	Eye Bolt	
	3	4297146	4	Gasket	
	4	4297115	1	O Ring	
A B D E C F A B C D A B C A B C D C D	5	557366	3	Bolt, Flange	
	6	4297114	1	Pipe	
	6	4318330	1	Bolt, Joint	
	6	4318311	1	Joint, Pipe	
	7	4297265	1	Assy, Fuel Hose	
	7	686105	1	Assy, Fuel Hose	
		4318328	1	• Tube, Pipe	
		4306366	1	• Hose, Fuel	
	6863131	1	• Hose, Fuel		
8	4318311	1	Joint, Pipe		
8	4318330	1	Joint, Pipe		

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

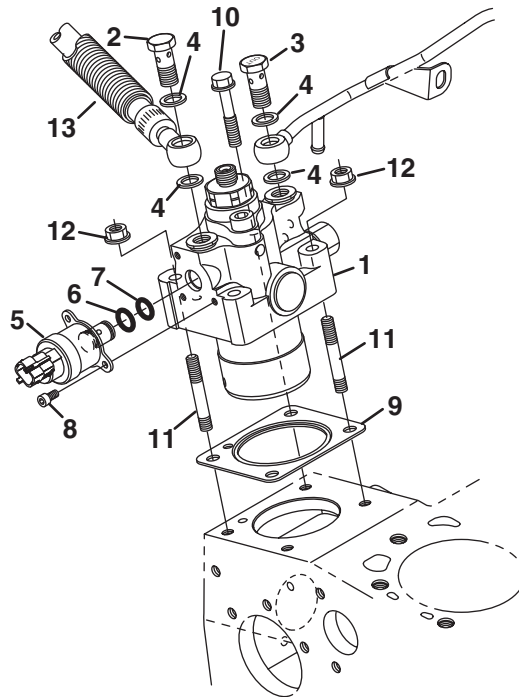
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

15.1 Supply Pump



Engine	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	
		686118	1	• Kit, SCV Valve	
	5	4318333	1	• • Valve, SCV	
	6	4318331	1	• • • O-Ring, SCV #1	
	7	4318332	1	• • • O-Ring, SCV #2	
	8	4318329	3	• • Bolt, SCV	
	9	4297150	1	Gasket, Pump	
	10	4297160	2	Bolt, Flange	
	11	4297163	2	Stud	
	12	4137803	2	Nut, Flange	
A B C	13	4297265	1	Assy, Fuel Hose	See 14.1 for other end of hose
D	13	686105	1	Assy, Fuel Hose	See 14.1 for other end of hose
E F	13	10013594	1	Assy, Fuel Hose	
A B C		4318328	1	• Tube, Pipe	
A B C		4306366	1	• Hose, Fuel	
D		686131	1	• Hose, Fuel	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

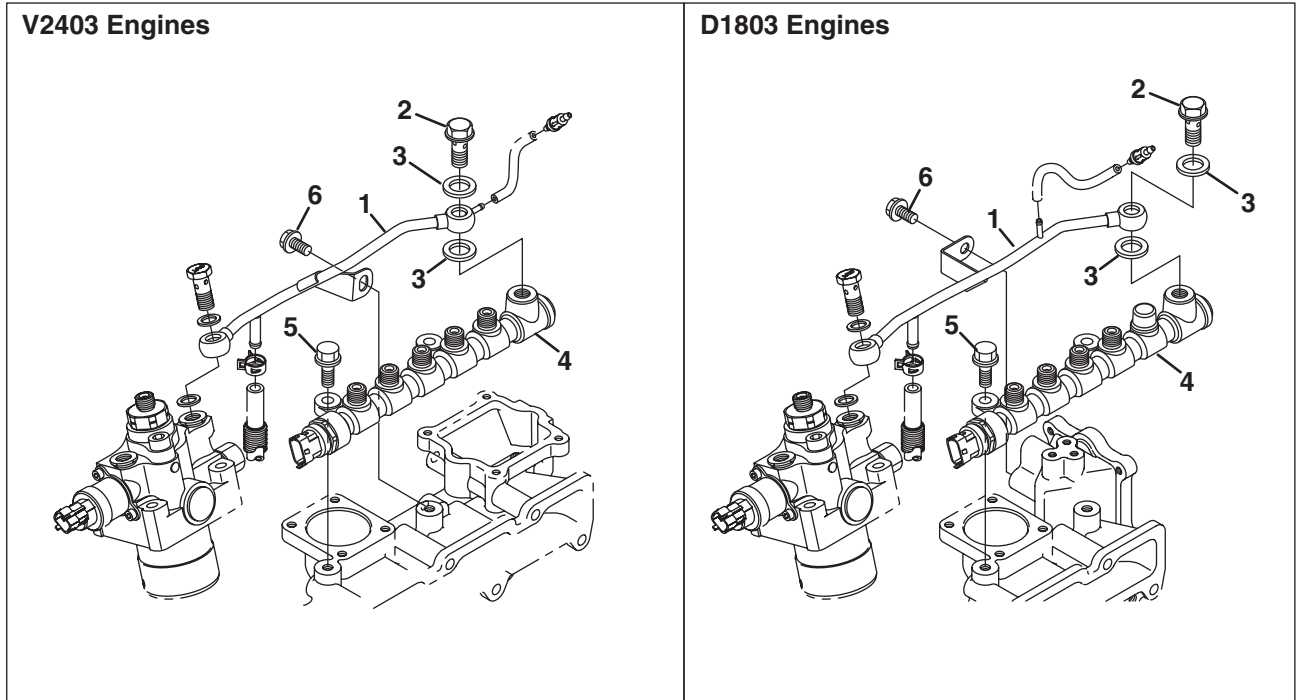
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

16.1 Common Rail



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F C	1	4297195	1	Comp. Pipe	
	1	4318361	1	Comp. Pipe	
	2	4297164	1	Eye Bolt	
A B D E F C	3	4297148	2	Gasket	
	4	4297197	1	Assembly Rail, Common	
A B D E F C	4	4318362	1	Assembly Rail, Common	
	5	4137992	2	Bolt, Flange	
	6	2811976	1	Bolt, Flange	

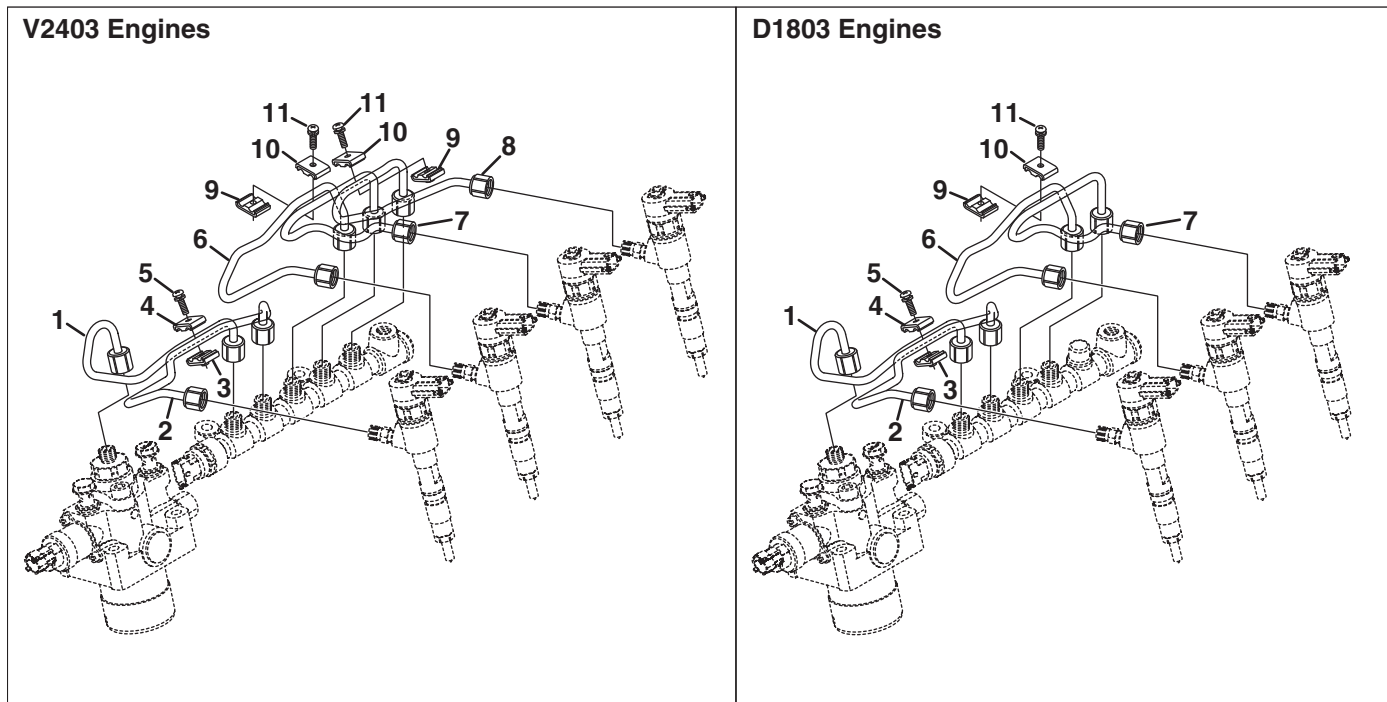
A - V2403-CR-E4B-TXN-2
D - V2403-CR-E4B-TXN-3

B - V2403-CR-E4B-TXN-1
E - V2403-CR-E5B-TXN-1
F - V2403-CR-E5B-TXN-2

C - D1803-CR-E4B-TXN-1
- Used on all engines

KUBOTA D1803/V2403

17.1 Injection Pipe



Engine	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	
ABD EF	8	4297157	1	Pipe, Injection	
ABD EF	9	554054	2	Clamp, Pipe	
C	10	554054	1	Clamp, Pipe	
ABD EF	11	554055	2	Clamp, Pipe	
C	12	554055	1	Clamp, Pipe	
ABD EF	13	550401	2	Screw, Sems, Pan Head	
C	14	550401	1	Screw, Sems, Pan Head	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

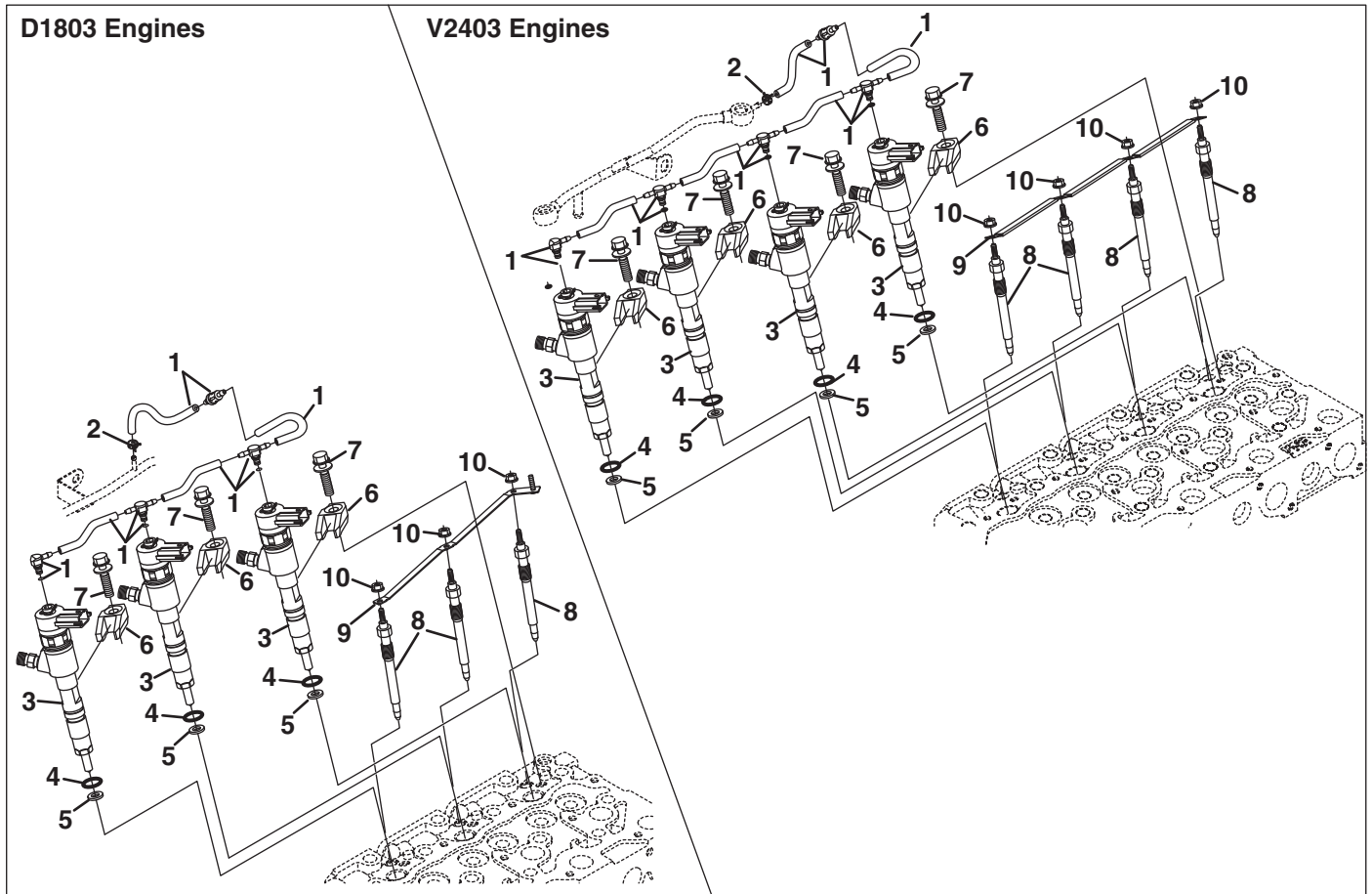
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

18.1 Injectors and Glow Plugs



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B E F C	1	4297143	1	Assembly Tube	
	1	4318360	1	Assembly, Tube	
	2	4297109	1	Clamp, Hose	
	3	4297198	3 / 4	Assembly Injector	
	4	4297153	3 / 4	O Ring	
A B C E F D	5	4251732	3 / 4	Gasket	
	6	4297151	3 / 4	Clamp, Injector	
	6	686134	4	Clamp, Injector	
A B E F C	7	4297152	3 / 4	Assembly Bolt	
	8	4289844	3 / 4	Glow Plug	
	9	4297159	1	Cord, Glow Plug	
A B E F C	9	4318368	1	Cord, Glow Plug	
	10	5001152	4	Nut, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

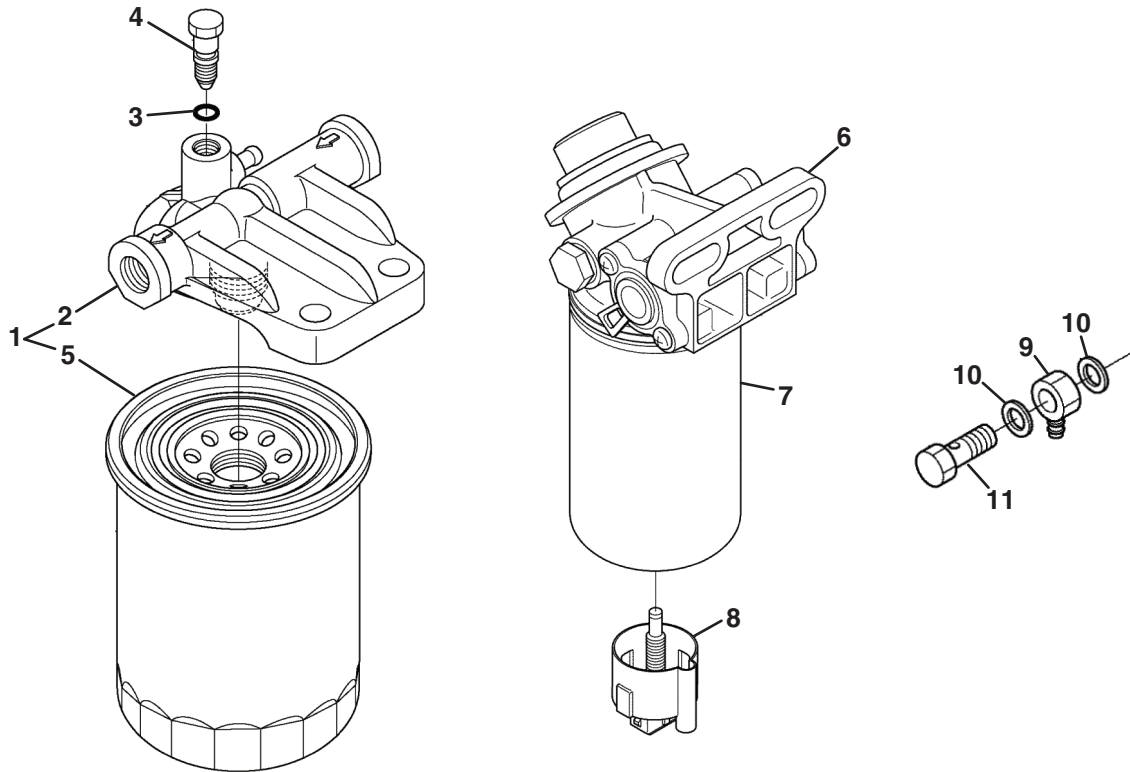
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

19.1 Fuel Filter and Water Separator



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B C D	1	4280171	1	Filter, Assembly, Fuel	
E F	1	10013650		Filter, Assembly, Fuel	
	2	4297144	1	• Base, Filter	
	3	4297147	1	• • O Ring	
	4	4297145	1	• • Plug	
A B C D	5	4297133	1	• Filter, Cartridge	
E F	5	10013651		• 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.	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

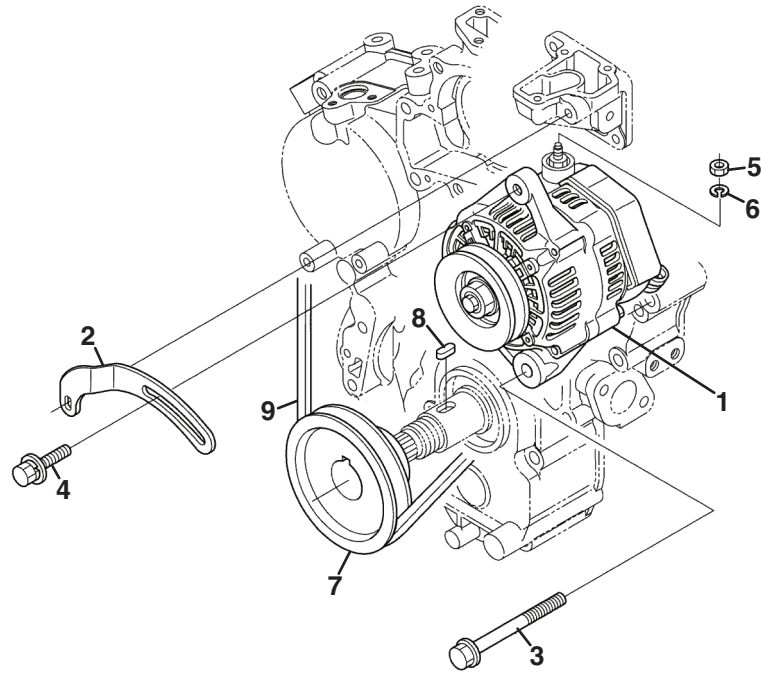
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

20.1 Belt



Engine	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	
A B F	7	4134322	1	Pulley, Fan Drive	Use rear pulley for alternator belt
C	7	4318321	1	Pulley, Fan Drive	
D	7	686112	1	Pulley, Fan Drive Double	
E	7	10013599	1	Pulley, Fan Drive	
	8	594374	1	Key, Feather	
A B	9	4297258	1	Belt, V	
C	9	4138120	1	Belt, V	
D	9	4370226	1	Belt, V	
E	9	10013600	1	Belt, V	39" option
E	9	10013601	1	Belt, V	39.5" option
F	9	10012637	1	Belt, V	41"

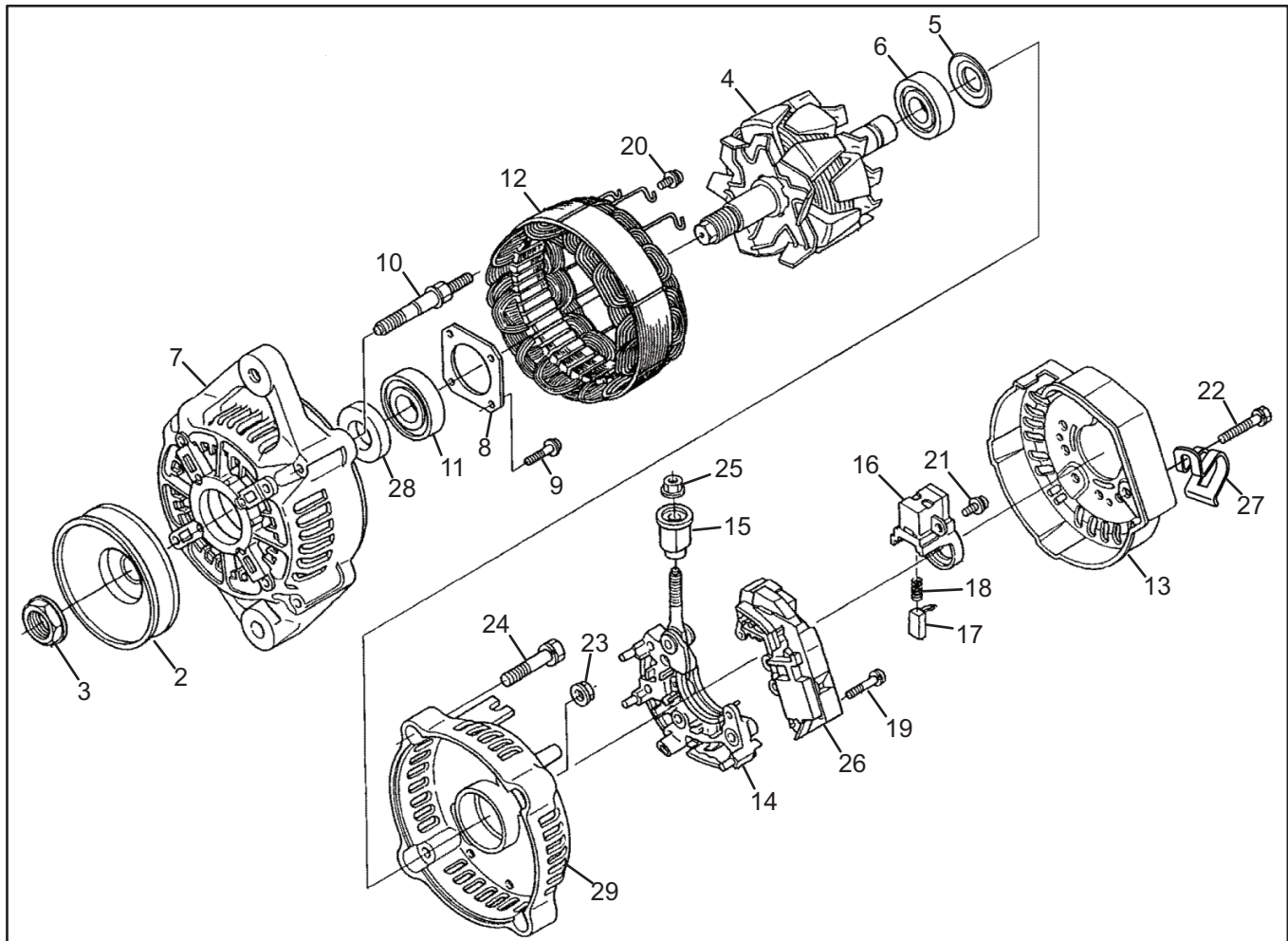
A - V2403-CR-E4B-TXN-2
D - V2403-CR-E4B-TXN-3

B - V2403-CR-E4B-TXN-1
E - V2403-CR-E5B-TXN-1
F - V2403-CR-E5B-TXN-2

C - D1803-CR-E4B-TXN-1
- Used on all engines

KUBOTA D1803/V2403

21.1 Alternator Breakdown



KUBOTA D1803/V2403

Engine	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	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

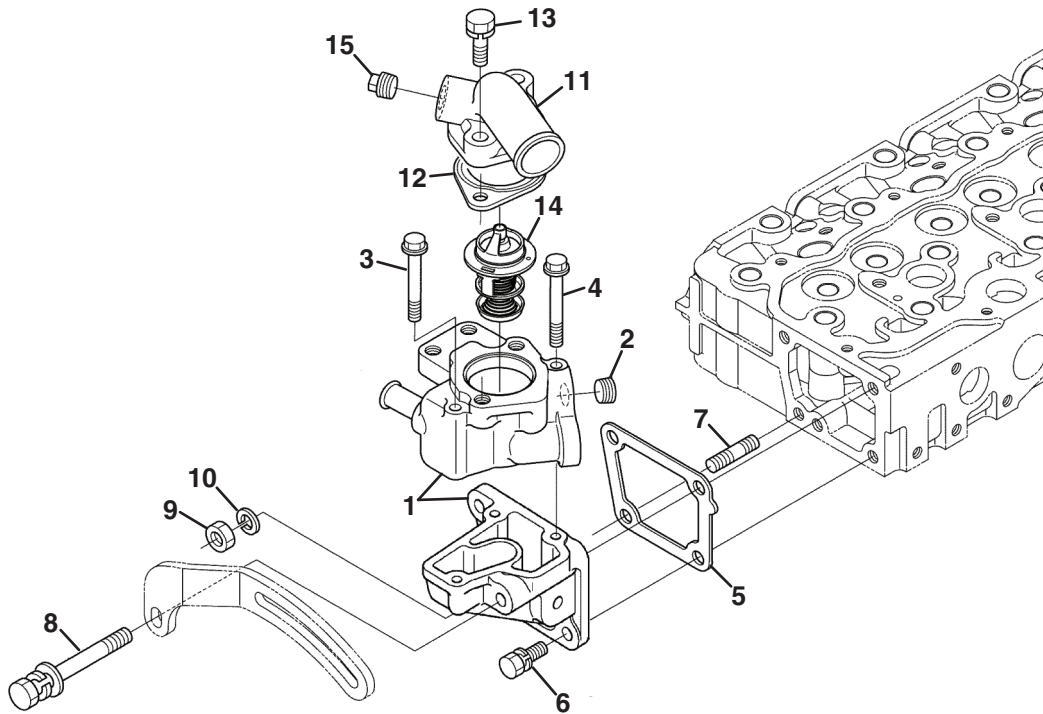
E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

22.1 Water Flange and Thermostat



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B C F	1	4297119	1	Comp. Flange, Water	
D	1	686109	1	Comp. Flange, Water	
E	1	10013608	1	Comp. Flange, Water	
A B C E F	2	4134361	1	• Plug	
D	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	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

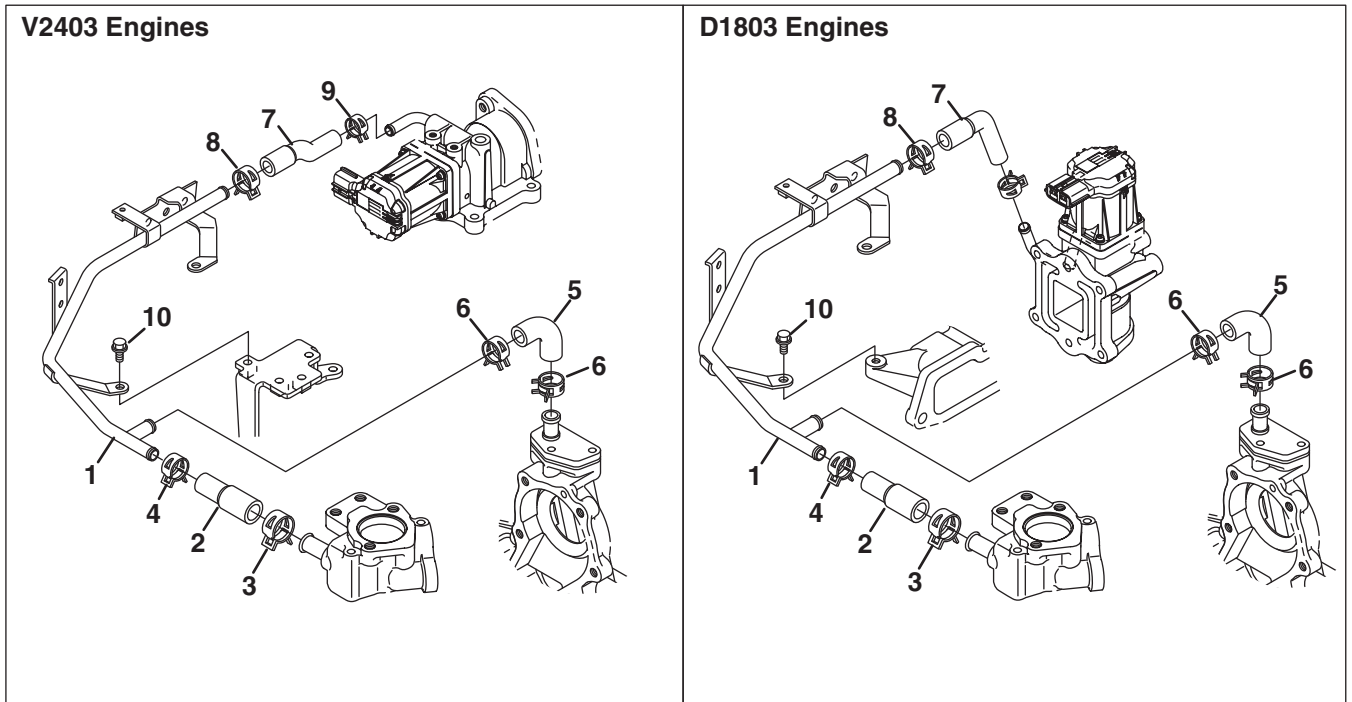
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

23.1 Water Pipe



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F C	1	4306351	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	
	7	4318371	1	Tube	
	8	4198166	1	Clamp, Hose	
	9	4297112	1	Clamp, Hose	
	10	4138249	1	Bolt, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

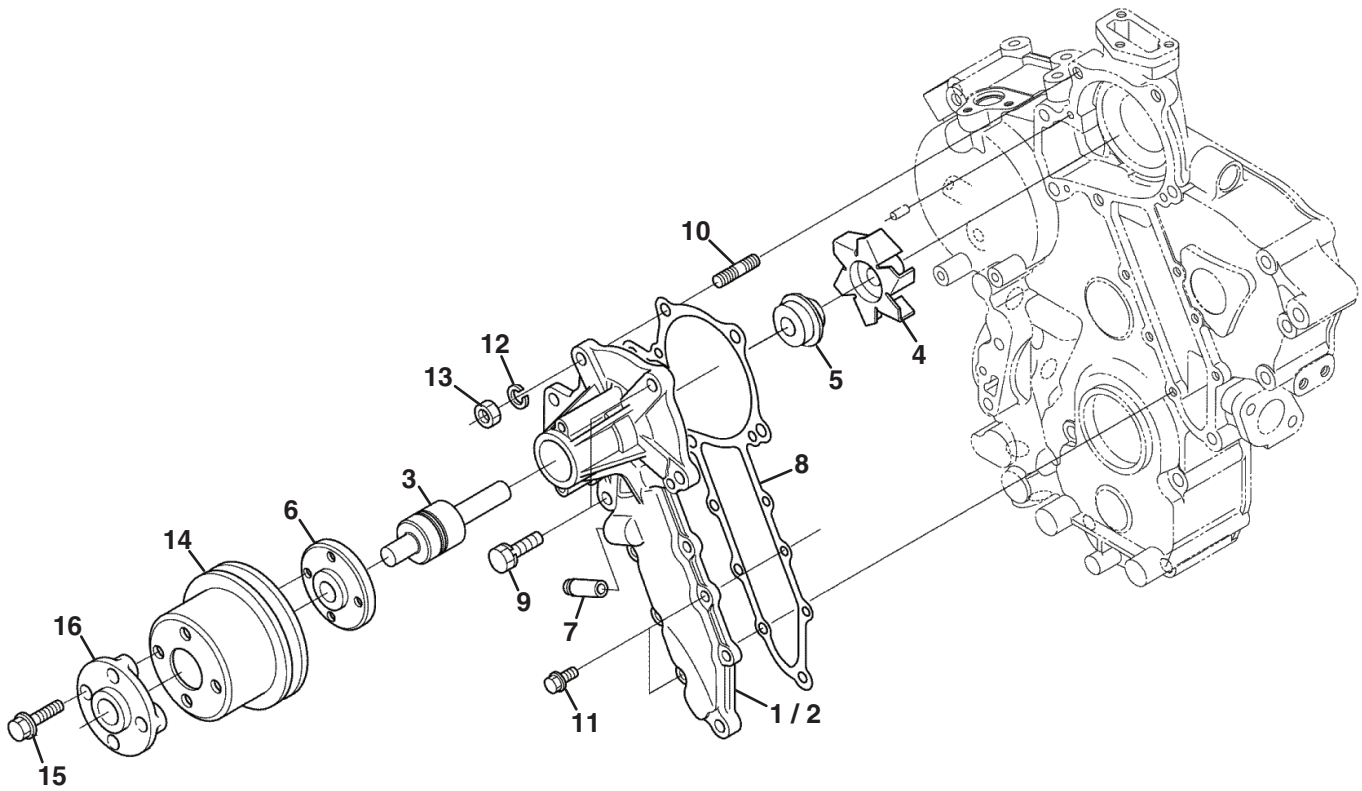
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

24.1 Water Pump



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
E F	1	4198319	1	Assembly Pump, Water	
	1	10013609	1	Assembly Pump, Water	
E F ABC EF ABC EF	2	4134374	1	• Body, Water Pump	
	3	4198211	1	• Bearing	
	4	4134375	1	• Impeller, Water Pump	
	5	4198323	1	• Assembly Seal, Mechanical	
	6	10013657	1	• Assembly Seal, Mechanical	
	7	4134377	1	• Flange, Pump, Water Shaft	
	8	4134380	1	• Pipe, Water Return	
	9	4134378	1	Gasket, Water Pump	
	10	594332	2	Bolt, Sems	
	11	4134379	1	Bolt, Stud	
	12	557366	6	Bolt, Flange	
	13	5002002	1	Washer, Spring Lock	
	14	550398	1	Hex. Nut	
	15	4198228	1	Pulley, Fan	
	16	4134384	4	Bolt, Flange	
	17	4134383	1	Collar, Fan	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

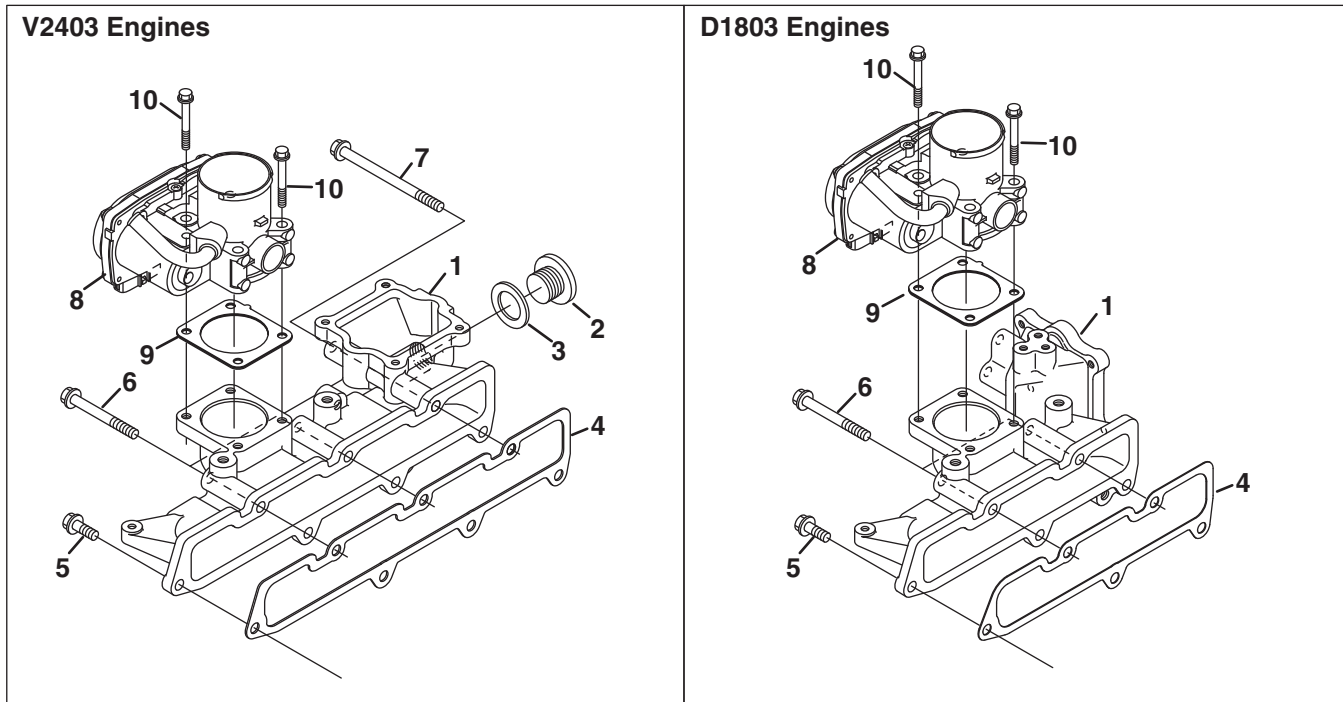
E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

25.1 Inlet Manifold



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F	1	4297230	1	Assembly Manifold, Inlet	
	1	4318346	1	Assembly Manifold, Inlet	
A B D E F	2	4297249	1	• Plug	
A B D E F	3	4297106	1	• Gasket	
A B D E F	4	4297140	1	Gasket, Inlet Manifold	
	4	4318347	1	Gasket, Inlet Manifold	
A B D E F	5	4137820	3 / 4	Bolt, Flange	
	6	4138218	2	Bolt, Flange	
A B D E F	7	4297101	1	Bolt, Flange	
	8	4306353	1	Assembly Throttle Valve	
	9	4297139	1	Gasket, Inlet Flange	
	10	4306352	4	Bolt, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

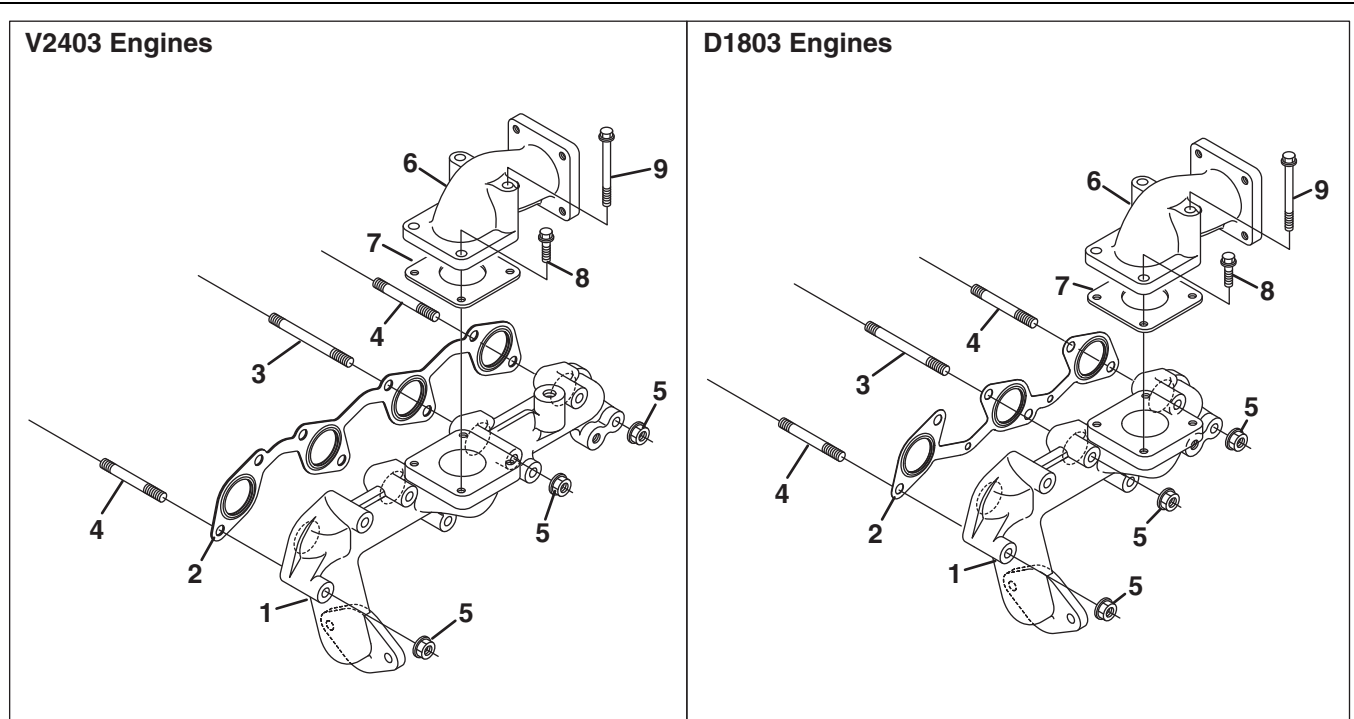
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

26.1 Exhaust Manifold



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D	1	4306354	1	Manifold, Exhaust	
E F	1	4318348	1	Manifold, Exhaust	
A B D	2	4297231	1	Gasket, Ex-manifold	
C	2	4318350	1	Gasket, Ex-manifold	
E F	2	10012660	1	Gasket, Ex-manifold	
A B C	3	4306355	4 / 6	Stud	
D	3	686120	6	Stud, M8 x 25	
E F	3	10013661		Stud, M8 x 25	
A B C	4	4297248	2	Stud	
D	4	686127	2	Stud, M8 x 55	
E F	4	10013612		Stud, M8 x 55	
	5	4297135	6 / 8	Nut, Flange	
A B D	6	4306356	1	Flange, Muffler	
C	6	4318349	1	Flange, Muffler	
	7	4134436	1	Gasket, Muffler	
	8	594331	2	Bolt, Sems	
E F	8	10013664		Bolt, Flange	
	9	5003482	2	Bolt, Sems	
E F	9	10013665		Bolt, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

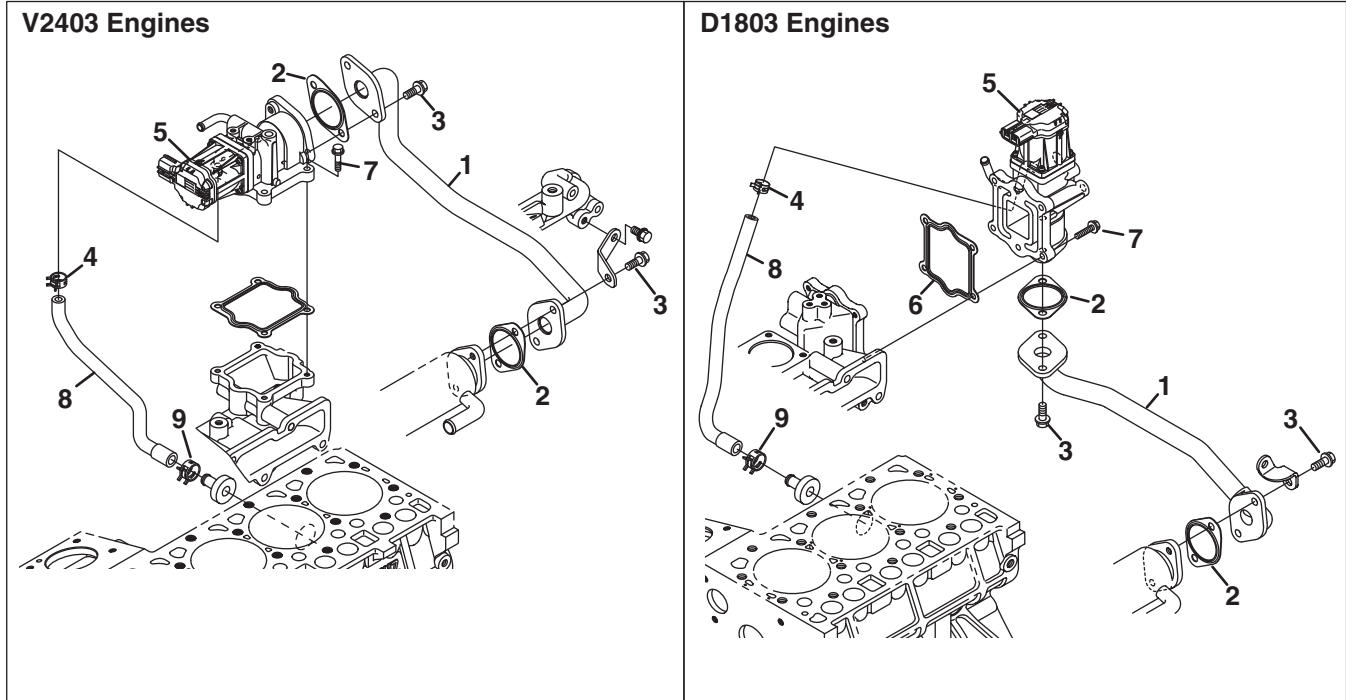
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

27.1 EGR Valve



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F C	1	4297234	1	Comp. Pipe, EGR	
	1	4318353	1	Comp. Pipe, EGR	
	2	4297238	2	Gasket, EGR Cooler	
	3	4137820	4	Bolt, Flange	
A B D E F C	4	4297112	1	Clamp, Hose	
	5	4306357	1	Valve, Assembly, EGR	
	5	4318363	1	Valve, Assembly, EGR	
	6	4297237	1	Gasket, EGR Valve	
A B D E F C	7	4134384	4	Bolt, Flange	
	8	4297116	1	Hose	
	8	4318370	1	Tube	
	9	4134368	1	Band, Hose	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

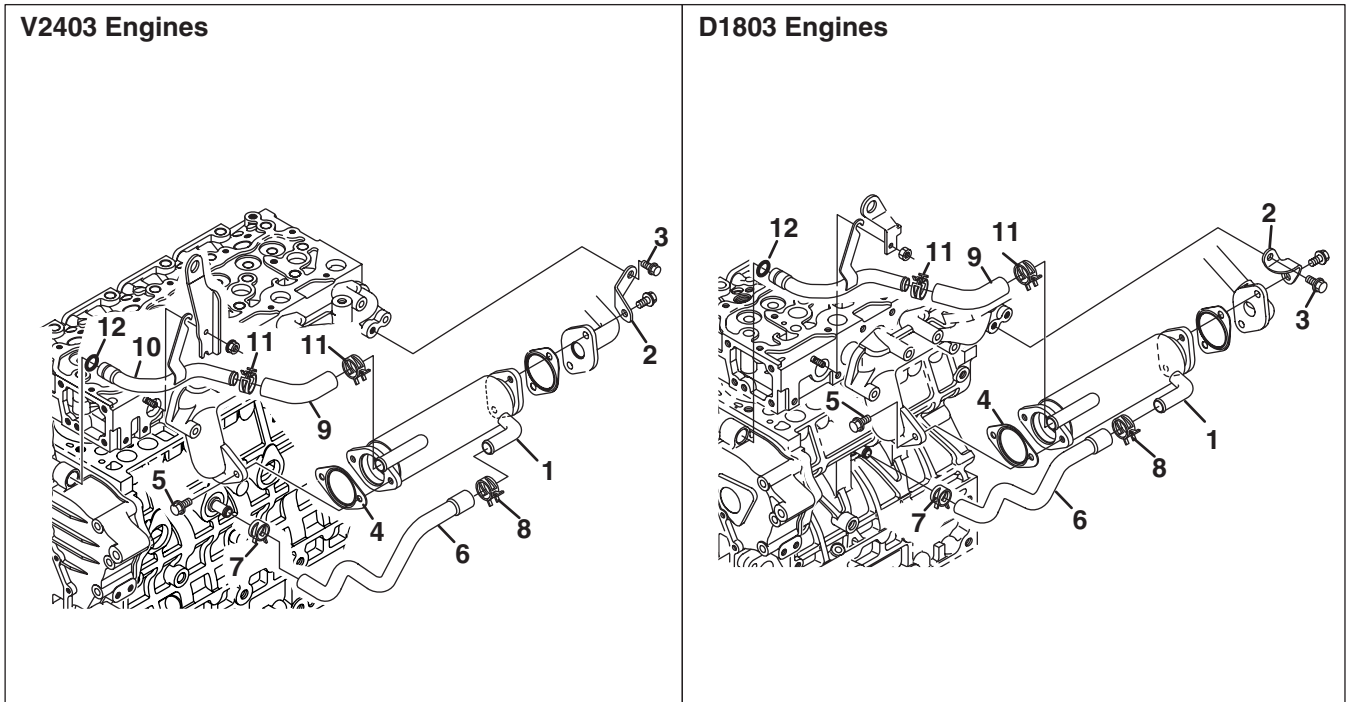
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

28.1 EGR Cooler



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F	1	4297241	1	Comp. Cooler, EGR	
	C	4318826	1	Comp. Cooler, EGR	
A B D E F	2	4297242	1	Stay, EGR Cooler	
	C	4318827	1	Stay, EGR Cooler	
	3	2811976	1	Bolt, Flange	
	4	4297238	1	Gasket, EGR Cooler	
	5	2811976	2	Bolt, Flange	
A B D E F	6	4297210	1	Hose	
	C	4318369	1	Hose	
	7	4134368	1	Band, Hose	
	8	5003612	1	Clamp, Hose	
	9	4297243	1	Hose	
	10	4297244	1	Pipe	
	11	4198233	2	Clamp, Hose	
	12	4251767	1	O Ring	

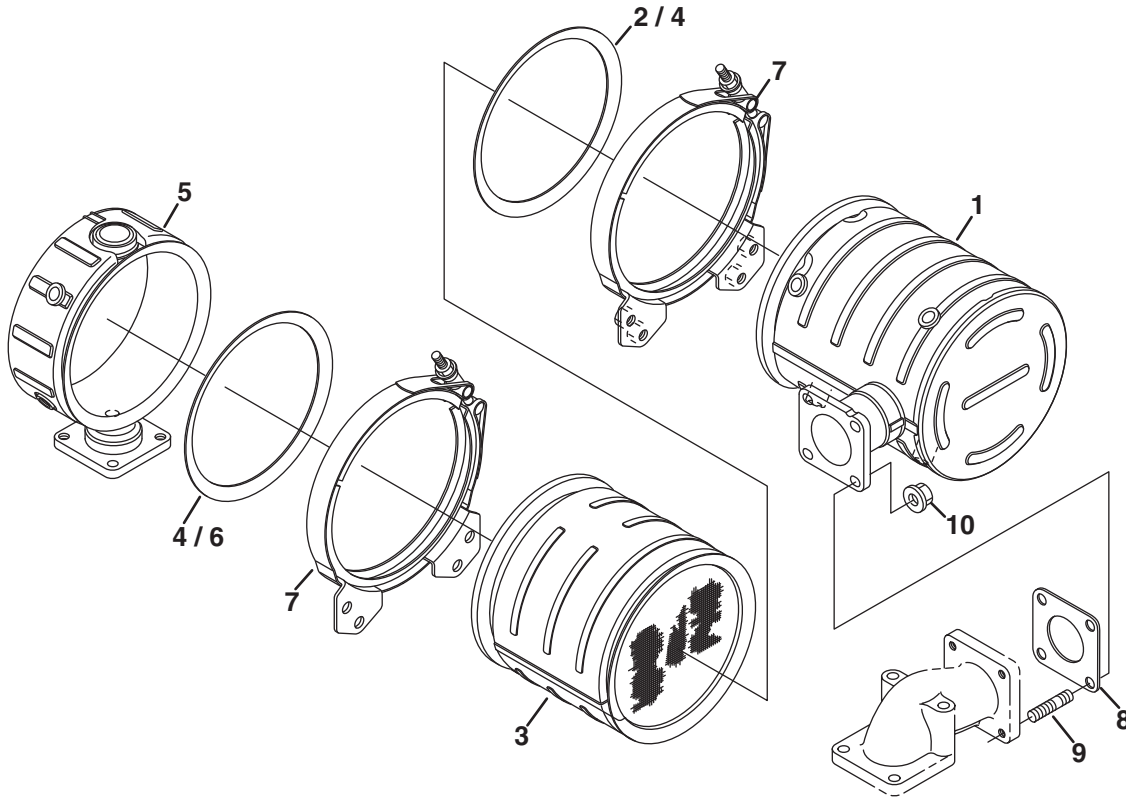
A - V2403-CR-E4B-TXN-2
D - V2403-CR-E4B-TXN-3

B - V2403-CR-E4B-TXN-1
E - V2403-CR-E5B-TXN-1
F - V2403-CR-E5B-TXN-2

C - D1803-CR-E4B-TXN-1
- Used on all engines

KUBOTA D1803/V2403

29.1 Diesel Particulate Filter (DPF)



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ABC D	1	4297191	1	Catalyst, Kit, Doc	
EF	1	10013669		Catalyst, Kit, Doc	
ABC D	2	4297182	1	• Gasket, DPF	
EF	2	10013614		• Gasket, DPF	
ABD	3	4306358	1	Filter Kit, DPF	
ABD	3	686129	1	Filter Kit, DPF	Re-manufactured
C	3	4318356	1	Filter Kit, DPF	
C	3	4318355	1	Filter Kit, DPF	Re-manufactured
EF	3	10012625	1	Filter Kit, DPF	
EF	3	10012626	1	Filter Kit, DPF	Re-manufactured
ABC D	4	4297182	2	• Gasket, DPF	
EF	4	10013614		• Gasket, DPF	

KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ABC D	5	4306359	1	Body, DPF Outlet	
EF	5	10013615		Body, DPF Outlet	
ABC D	6	4297182	2	• Gasket, DPF	
EF	6	10013614		• Gasket, DPF	
ABC D	7	4297250	2	Bracket	
EF	7	10012667	1	Bracket	
EF	7	10012668	1	Bracket	
ABC D	8	4134436	1	Gasket, Muffler	
EF	8	10013663	1	Gasket, Muffler	
ABC D	9	594343	4	Bolt, Stud	
EF	9	10012669	4	Bolt, Stud	
ABC D	10	4137803	4	Nut, Flange	
EF		10012670		Nut, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

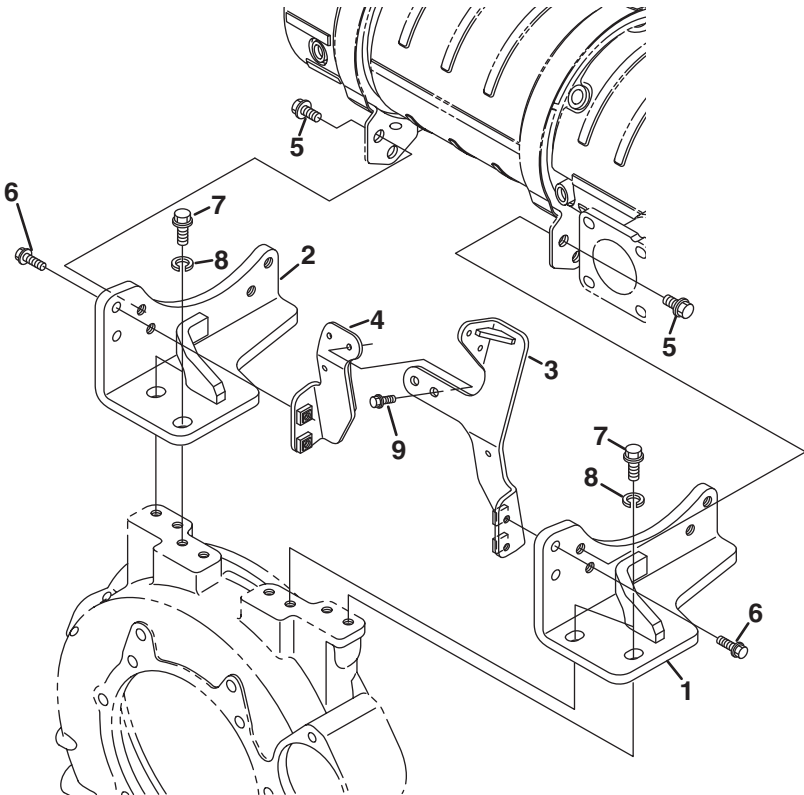
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

30.1 DPF Mounting Brackets



KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B C D	1	4297187	1	Bracket, DPF	
E F	1	10012671		Bracket (DPF,1)	
A B C D	2	4297188	1	Bracket, DPF	
E F	2	10012672		Bracket (DPF,2)	
A B C D	3	4297189	1	Stay, DPF	
A B C D	4	4297190	1	Stay, DPF	
A B C	5	4251688	8	Bolt, Flange	
D	5	4322573	6	Bolt, Flange	
E F	5	10013616		Bolt, Flange	
A B C D	6	4137992	4	Bolt, Flange	
A B C	7	4297211	4	Bolt, Flange	
D	7	686100	4	Bolt, Flange	
E F	7	10013617		Bolt, Flange	
A B C	8	4297260	4	Washer	
A B C	9	4138249	1	Bolt, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

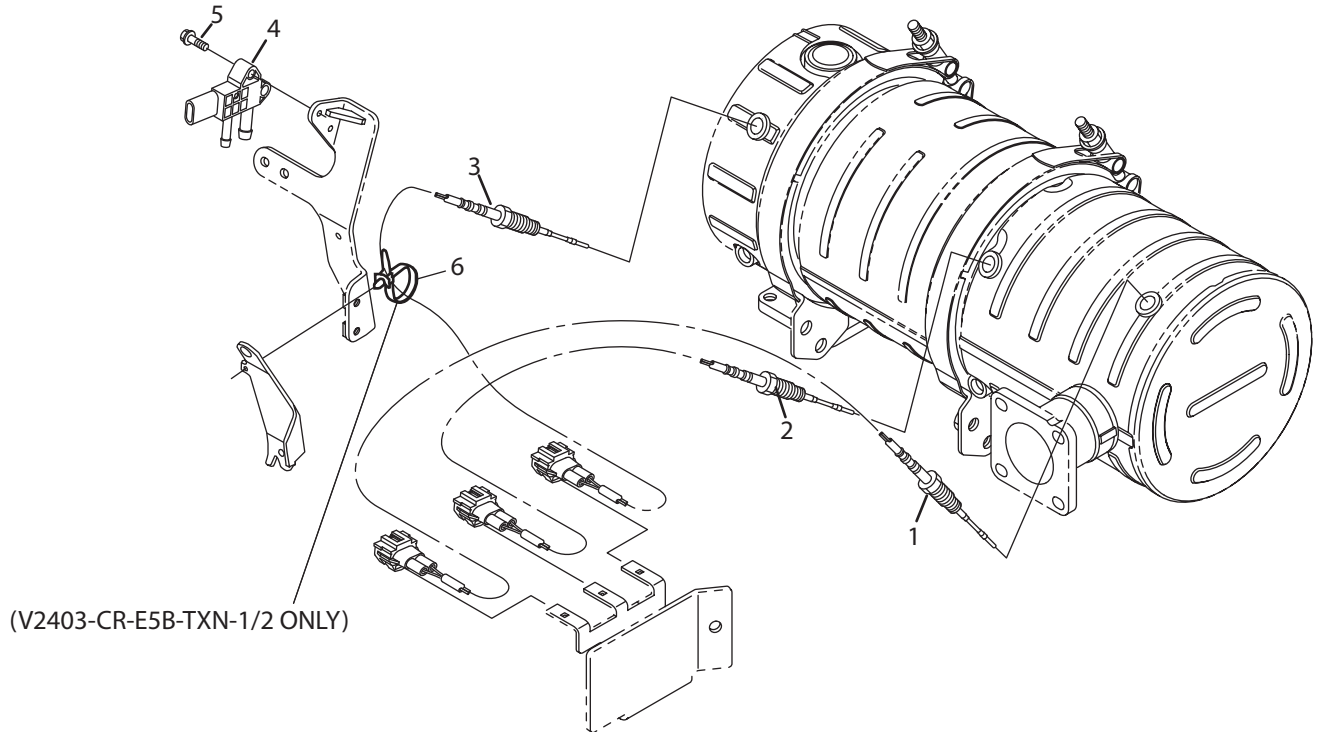
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

31.1 DPF Sensors



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
E F	1	4297129	1	Sensor, Thermo, 0	
	2	4297130	1	Sensor, Thermo, 1	
	3	4297183	1	Sensor Temperature	
	4	4297132	1	Sensor, Pressure	
	5	5003481	2	Bolt, Flange	
	6	10013619	1	Clamp (OS160)	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

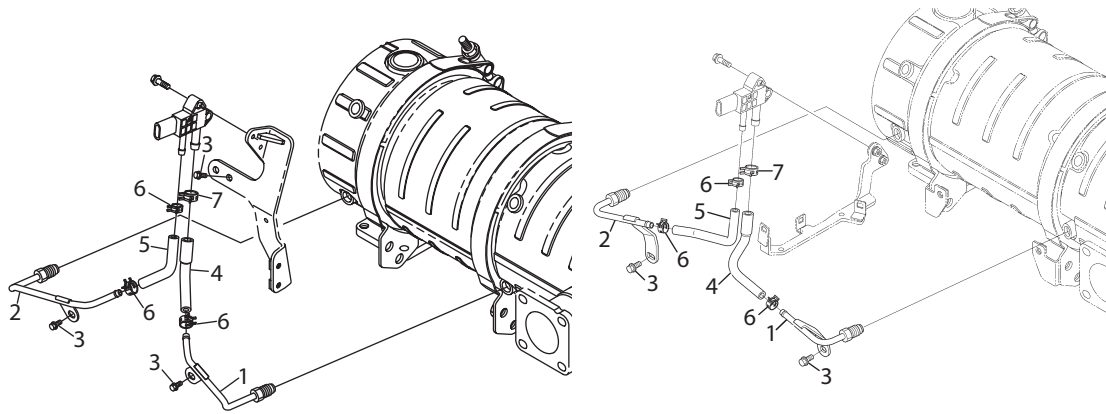
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

32.1 DPF Pressure Pipes



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ABC D	1	4297184	1	Pipe, Comp. Pressure	
EF	1	10012674	1	Pipe, Comp. Pressure	
ABC D	2	4297185	1	Pipe, Comp. Pressure	
EF	2	10012675	1	Pipe, Comp. Pressure	
ABC D	3	4138249	3	Bolt, Flange	
EF	3	10012684	3	Bolt, Flange	
ABC D	4	4297186	1	Tube, Pressure, 1	
EF	5	10012676	1	Tube, Pressure, 1	
ABD	5	4306360	1	Tube, Pressure, 2	
C	5	4318354	1	Tube, Pressure, 2	
EF	5	10012677	1	Tube, Pressure, 2	
ABC D	6	4306361	3	Clamp, Hose	
	6	10013670	3	Clamp, Hose	
ABC	7	4297111	1	Clamp, Hose	
D	7	686132	1	Clamp, Hose	
	7	10013672		Clamp, Hose	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

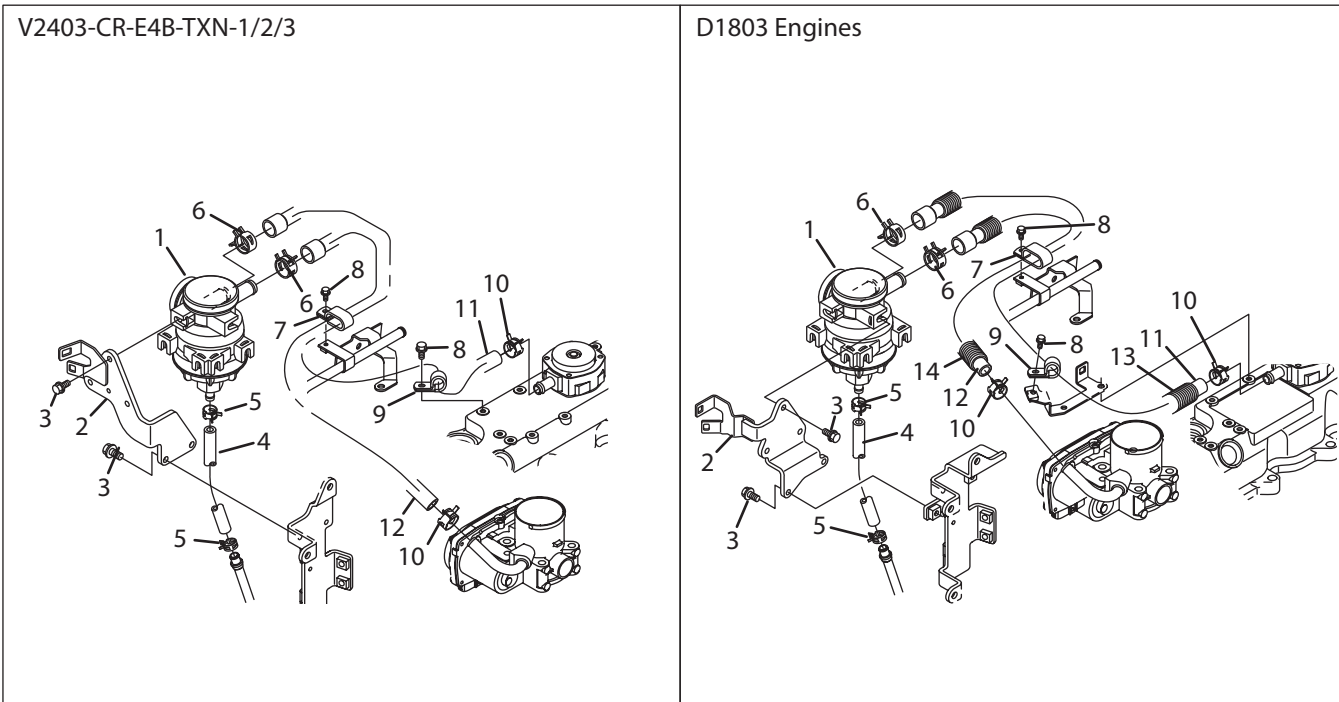
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

33.1 Oil Separator



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D	1	4297173	1	Assembly Separator	
C	1	4318327	1	Assembly Separator	
A B D	2	4297174	1	Bracket, Separator	
C	2	4318340	1	Bracket, Separator	
	3	557366	5	Bolt, Flange	
A B D	4	4297175	1	Tube, Oil Return	
C	4	4318342	1	Tube, Oil Return	
	5	4297112	2	Clamp, Hose	
	6	5003612	2	Clamp, Hose	
	7	4306362	2	Clamp, Hose	
	8	4138249	3	Bolt, Flange	
	9	4306363	1	Clamp, Hose	
	10	4198166	2	Clamp, Hose	
A B D	11	4306364	1	Tube, Oil Separator	
C	11	4318344	1	Tube, Oil Separator	
A B D	12	4306365	1	Tube, Oil Separator	
C	12	4318345	1	Tube, Oil Separator	
C	13	4318358	1	Tube, Pipe	
C	14	4318359	1	Tube, Pipe	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

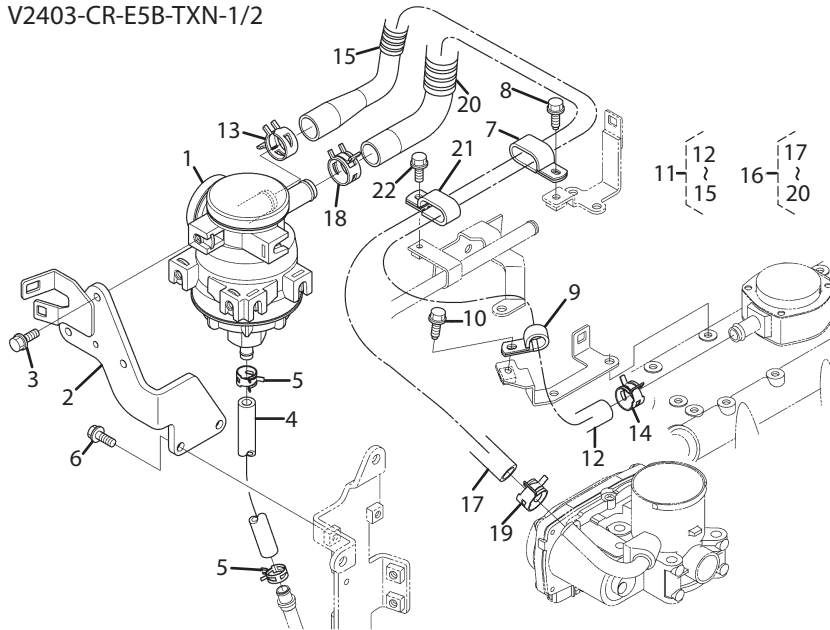
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

V2403-CR-E5B-TXN-1/2



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
E F	1	4297173		Assembly Separator	
E F	2	4297174		Bracket, Separator	
E F	3	10013621		Bolt, Flange	
E F	4	4297175		Tube, Oil Return	
E F	5	4297112		Clamp, Hose	
E F	6	557366		Bolt, Flange	
E F	7	10012678		Clamp, Hose	
E F	8	10013624		Bolt, Flange	
E F	9	10013672		Clamp, Hose	
E F	10	4297102		Bolt, Flange	
E F	11	10012628		Tube, Assembly (Breather 1)	
E F	12	4306364		Tube (1, Separator)	
E F	13	5003612		Clamp, Hose	
E F	14	4198166		Clamp, Hose	
E F	15	10012629		Tube (Corrugate)	
E F	16	10012630		Tube, Assembly (Breather 2)	
E F	17	10013674		Tube	
E F	18	5003612		Clamp, Hose	
E F	19	4198166		Clamp, Hose	
E F	20	10012631		Tube (Corrugate)	
E F	21	10012678		Clamp, Hose	
E F	22	4138249		Bolt, Flange	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

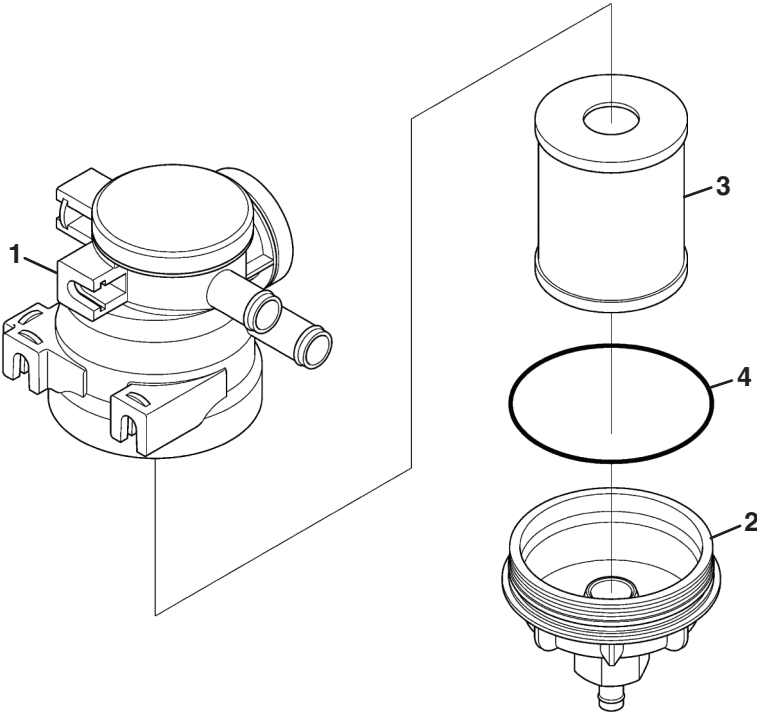
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

34.1 Oil Separator Breakdown



KUBOTA D1803/V2403

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D E F C	1	4297173	1	Assembly Separator	
	1	4318327	1	Assembly Separator	
	2	N/S	1	• Base, Separator	
	3	4297137	1	• Element, Kit	
	4	4297136	1	• • O Ring	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

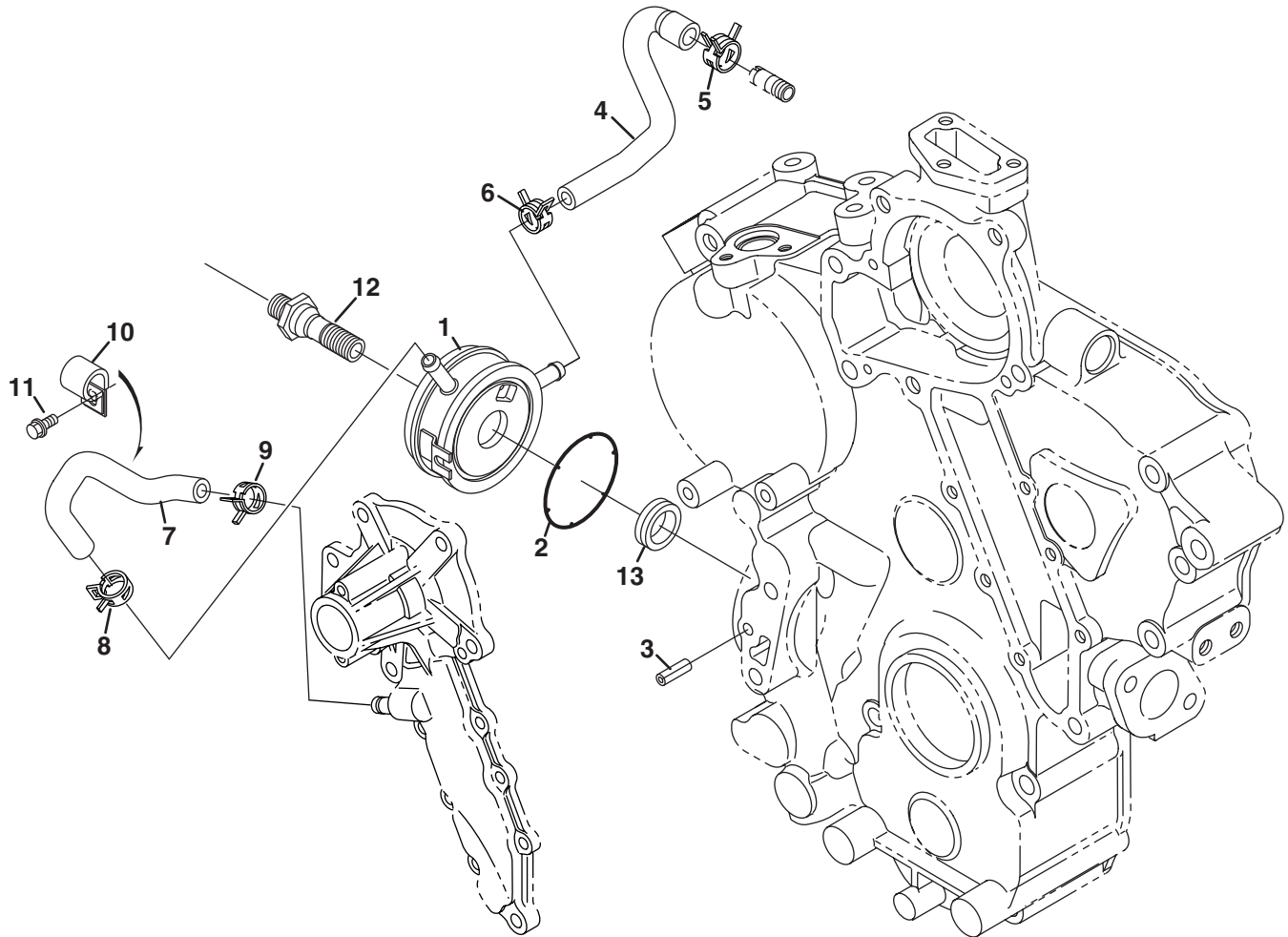
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

35.1 Oil Cooler



KUBOTA D1803/V2403

Engine	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	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

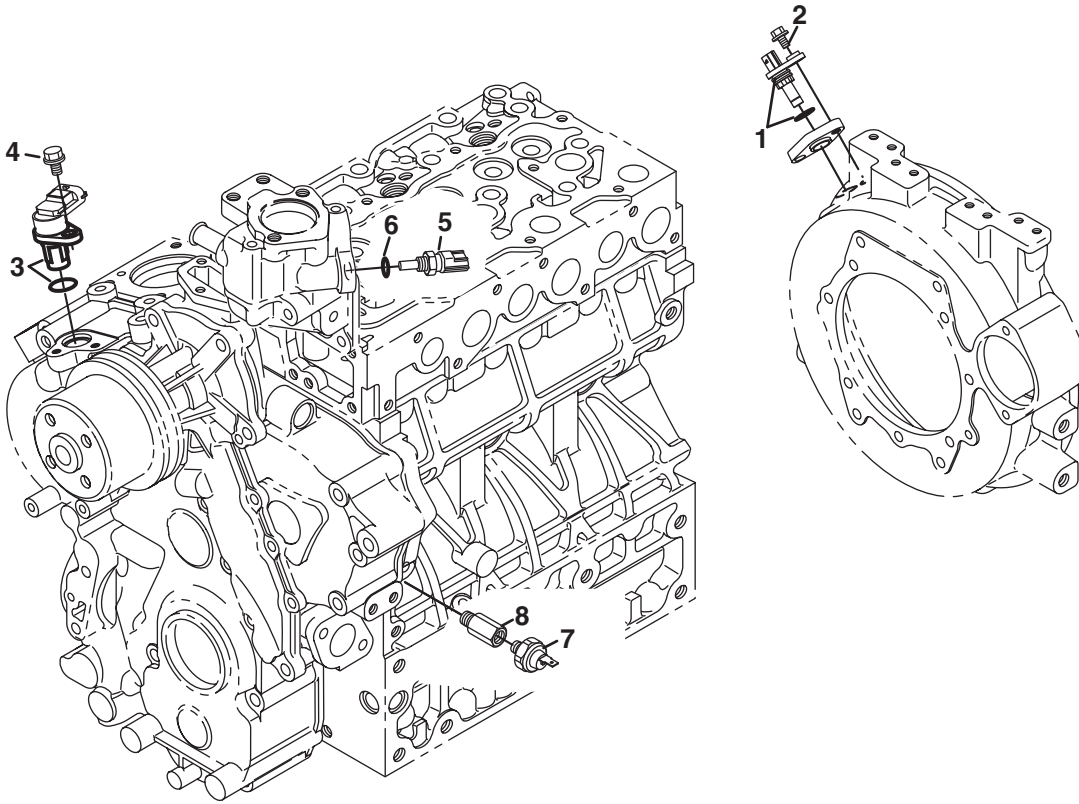
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

36.1 Engine Sensors



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B E F C D A B C D E F	1	4297158	1	Sensor	
	2	557366	1	Bolt, Flange	
	3	4297200	1	Sensor	
	4	557366	1	Bolt, Flange	
	5	4251858	1	Sensor, Water Temp.	
	6	4297107	1	O Ring	
	7	4306348	1	Switch, Oil	
	7	4318374	1	Switch, Oil	
	8	4297239	1	Adapter	
	8	4318326	1	Adapter	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

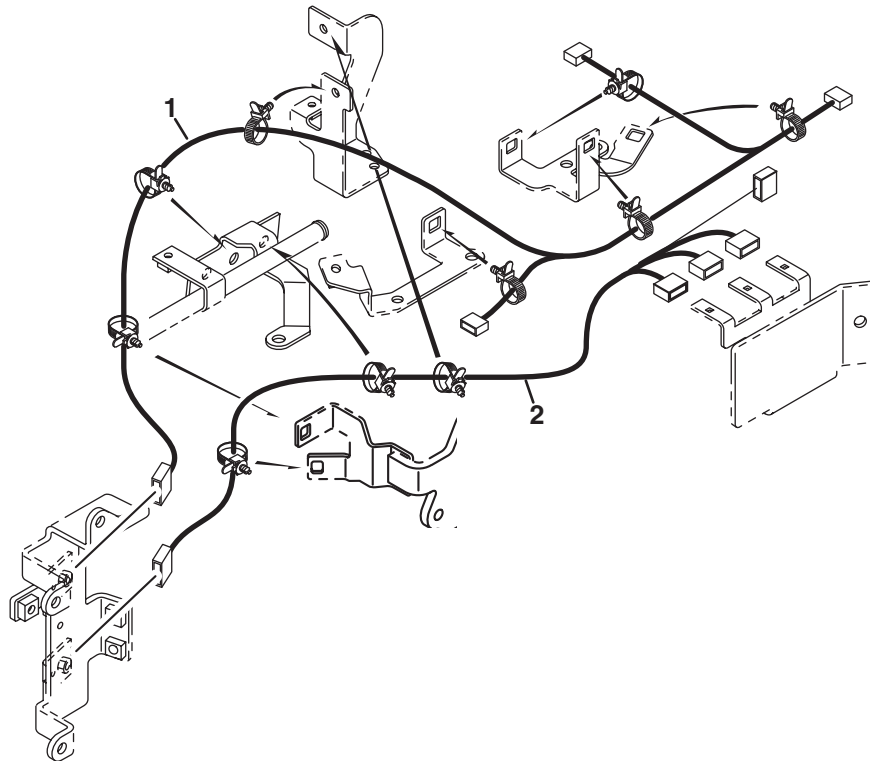
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

37.1 Injector and DPF Wire Harness



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D	1	4297203	1	Harness, Injector Wire	
C	1	4318364	1	Harness, Injector Wire	
E F	1	4306349	1	Harness, Injector Wire	
A B D	2	4297204	1	Harness, DPF Wire	
E F	2	4297204	1	Harness, DPF Wire	
C	2	4318365	1	Harness, DPF Wire	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

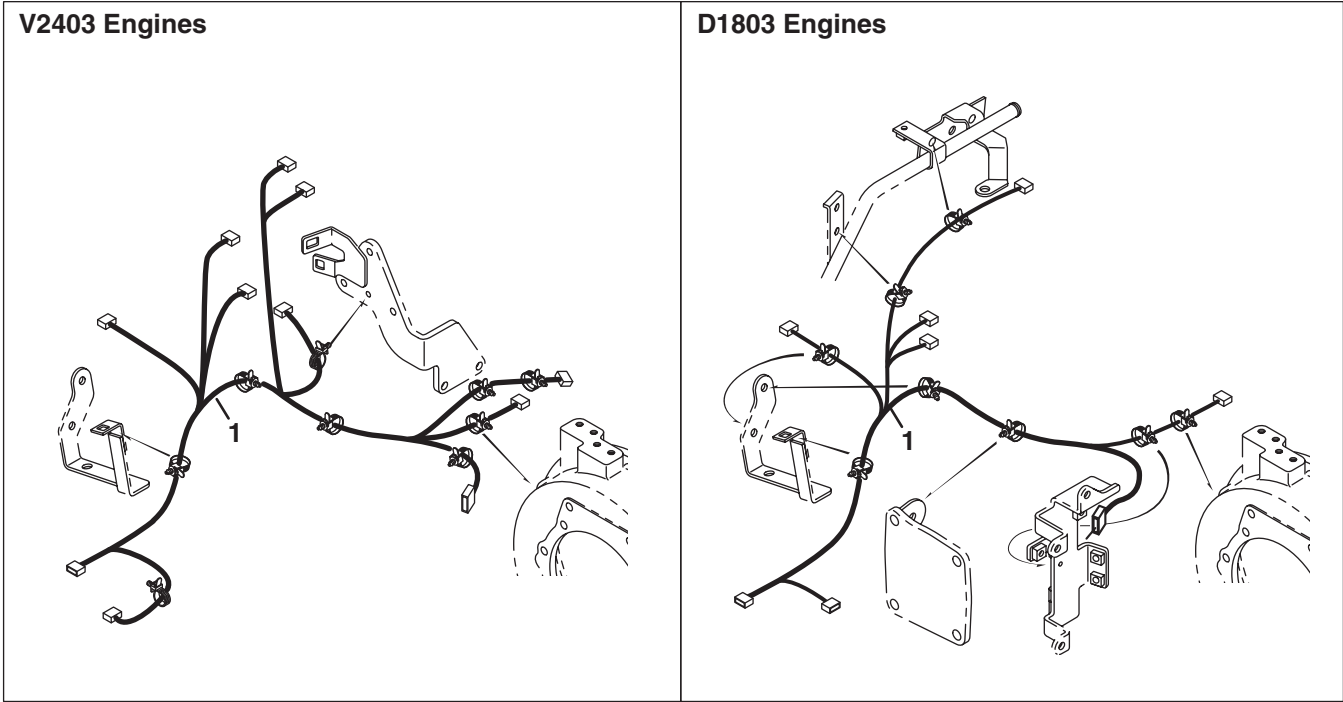
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

38.1 Engine Wire Harness



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D	1	4304349	1	Harness, Engine Wire	
C	1	4318310	1	Harness, Engine Wire	
E F	1	10013675	1	Harness, Engine Wire	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

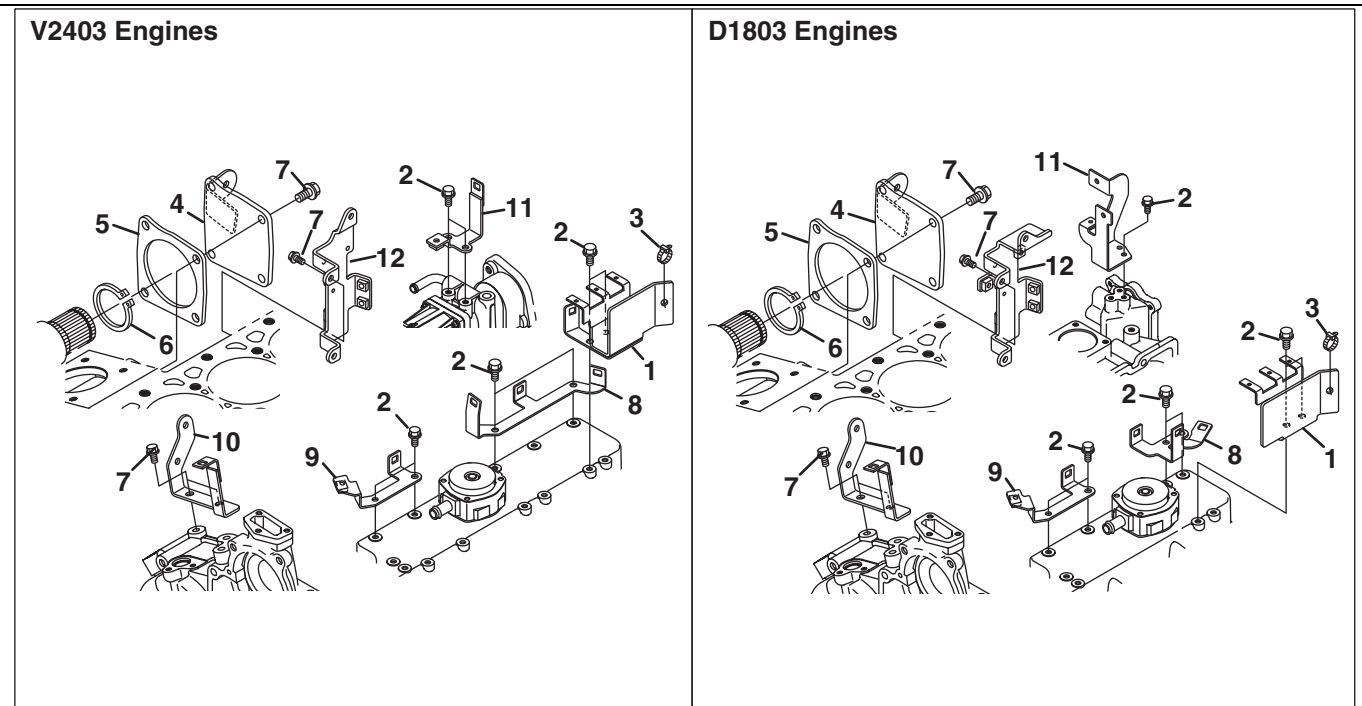
D - V2403-CR-E4B-TXN-3

E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

39.1 Wire Harness Brackets



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A B D	1	4297208	1	Bracket, Connector	
C	1	4318786	1	Bracket, Connector	
E F	3	4297264	1	Clip	
A B D	4	4297181	1	Cover, Fuel Camshaft	
A B D	5	4198321	1	Gasket	
A B D	6	594360	1	Cir-clip, External	
A B D	7	2811976	9	Bolt, Flange	
A B D	8	4297205	1	Bracket, Connector	
C	8	4318366	1	Bracket, Connector	
A B D	9	4306350	1	Bracket, Connector	
A B D	10	4297206	1	Bracket, Wire Harness 3	
C	10	10012659	1	Bracket, Wire Harness 3	
A B D	11	4297207	1	Bracket, Connector	
C	11	4318372	1	Bracket, Connector	
A B D	12	4297209	1	Bracket, Connector	
C	12	4318367	1	Bracket, Connector	
A B D	12	10013677	1	Bracket, Connector	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

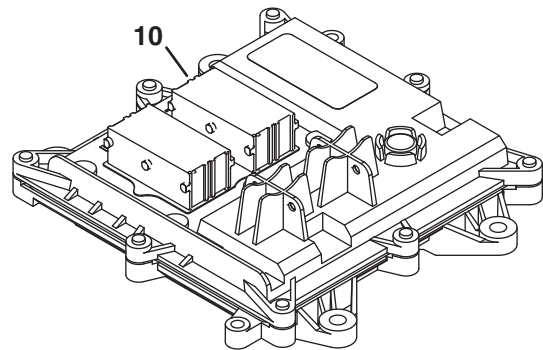
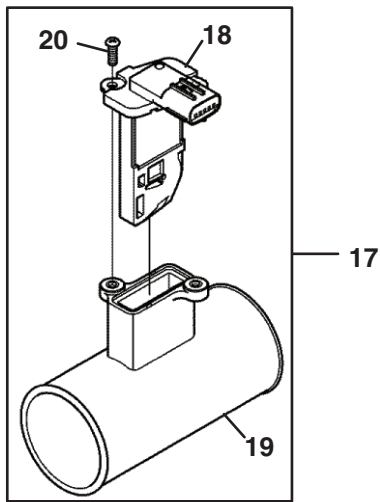
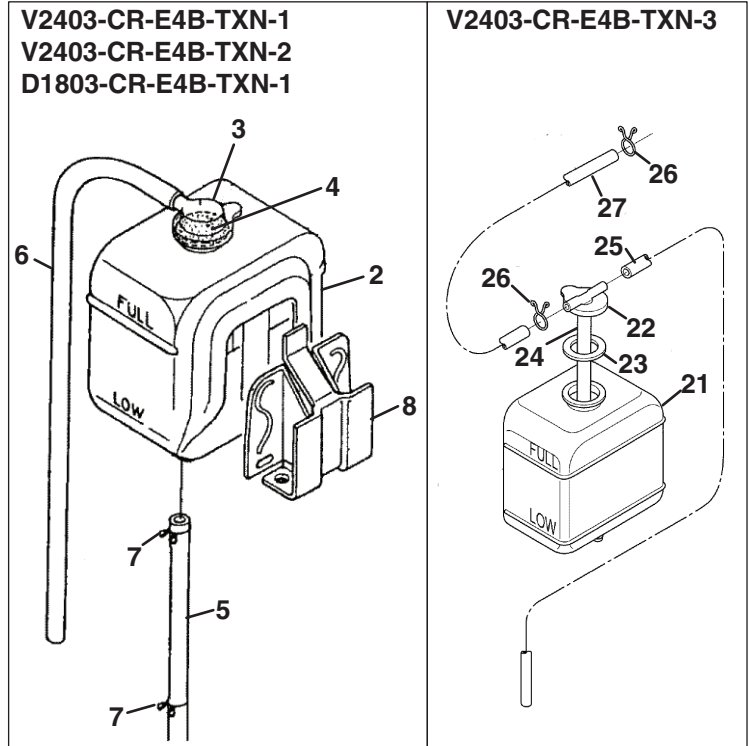
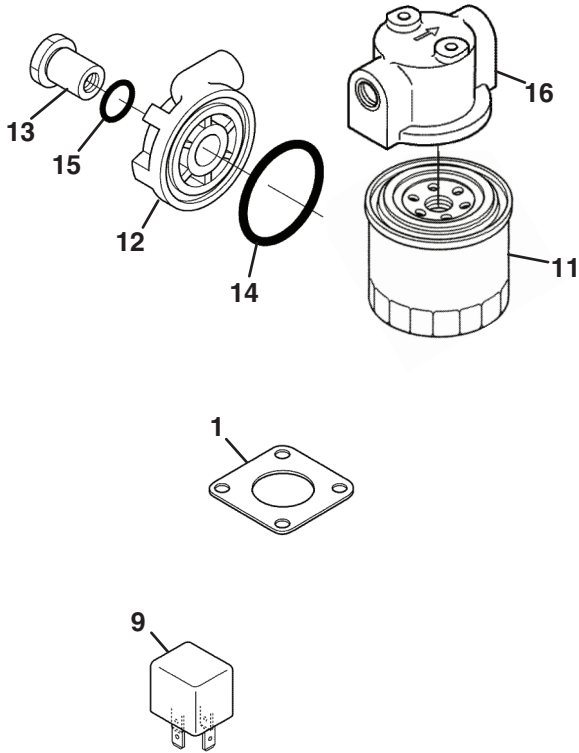
E - V2403-CR-E5B-TXN-1

F - V2403-CR-E5B-TXN-2

- Used on all engines

KUBOTA D1803/V2403

40.1 Loose Components



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
	1	4134436	1	Gasket, Muffler	
ABC EF	2	557367	1	Tank, Assembly, Reserve	
ABC EF	3	557984	1	• Cap	
ABC EF	4	2500815	1	• Packing	
ABC EF	5	557370	1	• Pipe, Water Over Flow	
ABC EF	6	557371	1	• Pipe, Water Over Flow	
ABC EF	7	553914	2	• Clip, Pipe	
ABC	8	557374	1	Stay, Reserve Tank	
ABC	9	4193880	2	Relay	Main Relay and Starter Relay
EF	9	10013679		Relay	
AB	10	4277151	1	Assembly ECU	
CDE F	10	4318325	1	Assembly ECU	
	11	4113986	1	Filter, Cartridge, Oil	
ABC	12	4136120	1	Adapter, Oil Filter	
ABC	13	4133240	1	Plug, Oil Filter	
ABC	14	4133241	1	O-ring	
ABC	15	4133242	1	O Ring	
ABC	16	4133243	1	Base, Oil Filter	
	17	4266170	1	Sensor, Assembly	
	18	4297131	1	• Sensor, Air Flow	
	19	4297177	1	• Pipe, Air Flow	
	20	4297103	2	• Screw, Pan Head, Phill	
D	21	686099	1	Reserve Tank Assembly	
D	22	2500814	1	• Cap	
D	23	2500815	1	• Packing	
D	24	686097	1	• Tube	
D	25	686104	1	• Hose, Rubber	
D	26	553914	2	• Clip, Pipe	
D	27	686098	1	• Pipe, Water Overflow	

A - V2403-CR-E4B-TXN-2

B - V2403-CR-E4B-TXN-1

C - D1803-CR-E4B-TXN-1

D - V2403-CR-E4B-TXN-3

E- V2403-CR-E5B-TXN-1

F- V2403-CR-E5B-TXN-2

- Used on all engines

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