



Engine Parts Manual

Kubota[®] Diesel Engine

V2403-M-DI-E3B-TXN-1

68019 - Jacobsen Lightweight Fairway Mower, V2403-T4I Engine Option

D1803-M-DI-E3B-TXN-1

68019 - Jacobsen Lightweight Fairway Mower, D1803-T4I Engine Option

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

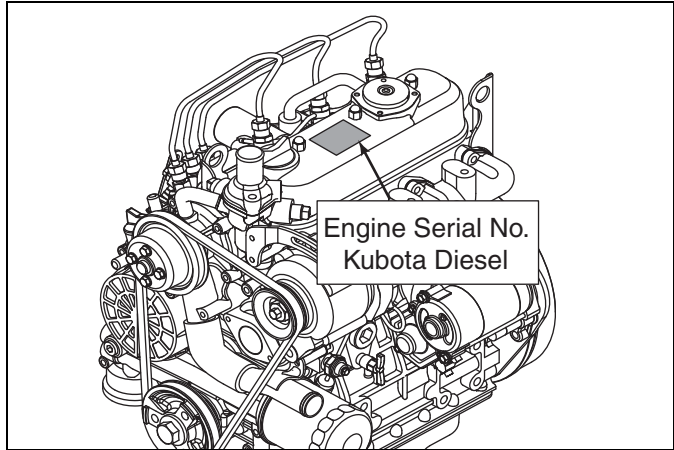
This manual contains a parts list for your Kubota Engine.

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		4289829	V-Belt, 39.5 In. (V2403 Engines)
	4297133	Element, Fuel Filter		4198392	Cog Belt, 39.5 In. (D1803 Engines)

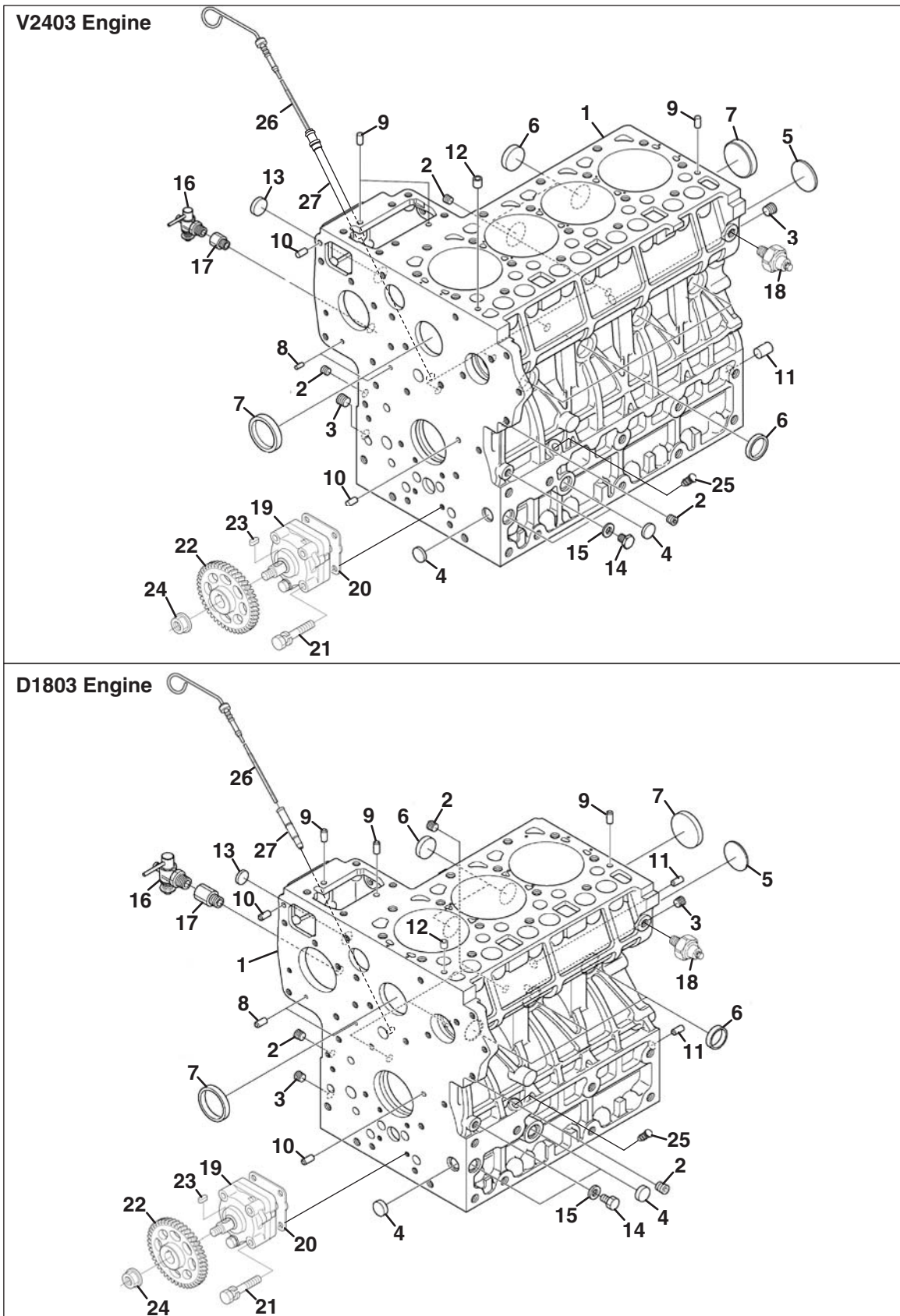
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Proposition 65 Warning

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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1.1 Crankcase



KUBOTA D1803/V2403-M-DI-E3B

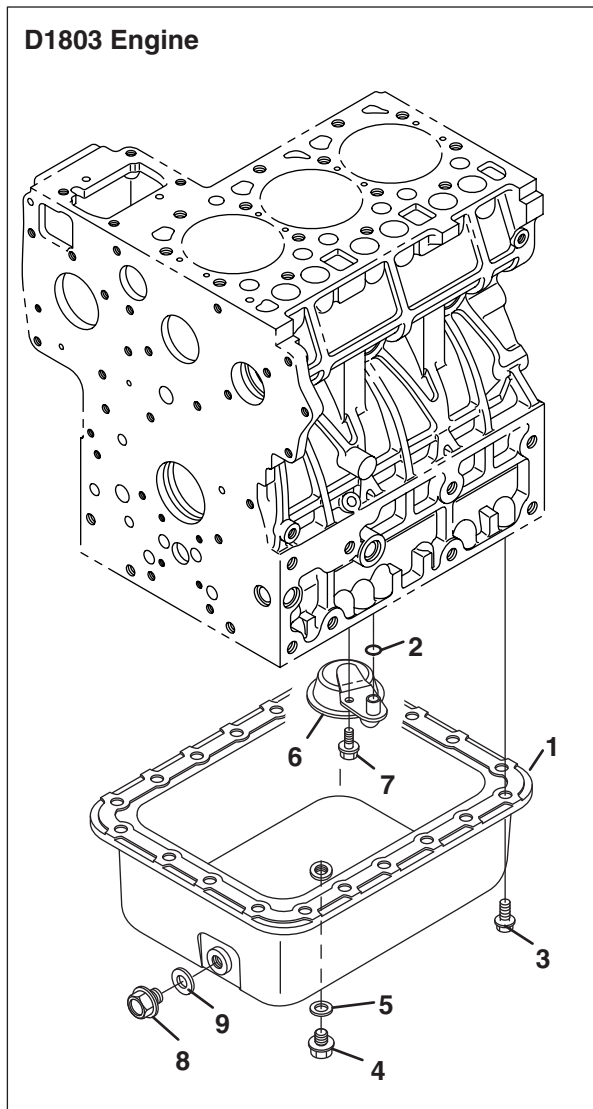
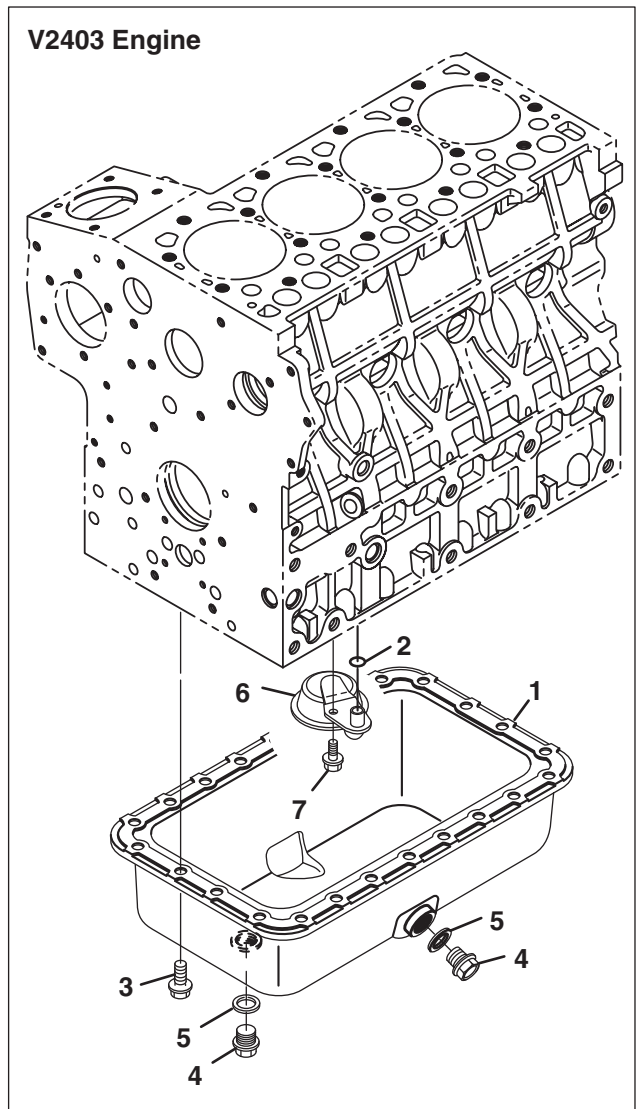
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289817	1	Crankcase, V2403 Comp	
B	1	4362187	1	Crankcase, D1803 Comp	
●	2	552950	6 / 5	• Plug	
●	3	552951	2	• Plug	
●	4	5001308	3	• Plug, Expansion	
●	5	2500877	1	• Plug, Expansion	
●	6	552952	6 / 5	• Cap, Sealing	
●	7	552953	2	• Cap, Sealing	
●	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	
●	15	552958	1	Packing	
●	16	594622	1	Cock, drain	
●	17	552955	1	Joint, Drain Cock	
●	18	554018	1	Switch, Oil	
●	19	4198174	1	Assy Pump, Oil	
●	20	4134218	1	Gasket, Oil Pump	
●	21	553842	4	Bolt, Sems	
●	22	4289855	1	Gear, Oil Pump Drive	
●	23	550427	1	Key, Feather	
●	24	556915	1	Nut	
●	25	2812014	1	Plug, Oil Gauge	
A	26	4322130	1	Gauge, Oil	
B	26	4309980	1	Gauge, Oil	
A	27	4322129	1	Guide, Oil Gauge	
B	27	4111662	1	Guide, Oil Gauge	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

2.1 Oil Pan



KUBOTA D1803/V2403-M-DI-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4309978	1	Oil Pan, V2403 90 mm	
B	1	4318307	1	Oil Pan, D1803 90 mm	
●	2	4134178	1	O Ring	
●	3	556918	24 / 20	Bolt, Flange	
A	4	4134176	2	Plug, Drain	
B	4	4177260	1	Plug, Drain	
●	5	2500811	2 / 1	Gasket	
●	6	4309979	1	Filter, Oil	
●	7	4198160	1	Bolt, Flange	
B	8	4318306	1	Plug, Drain	
B	9	556920	1	Packing	

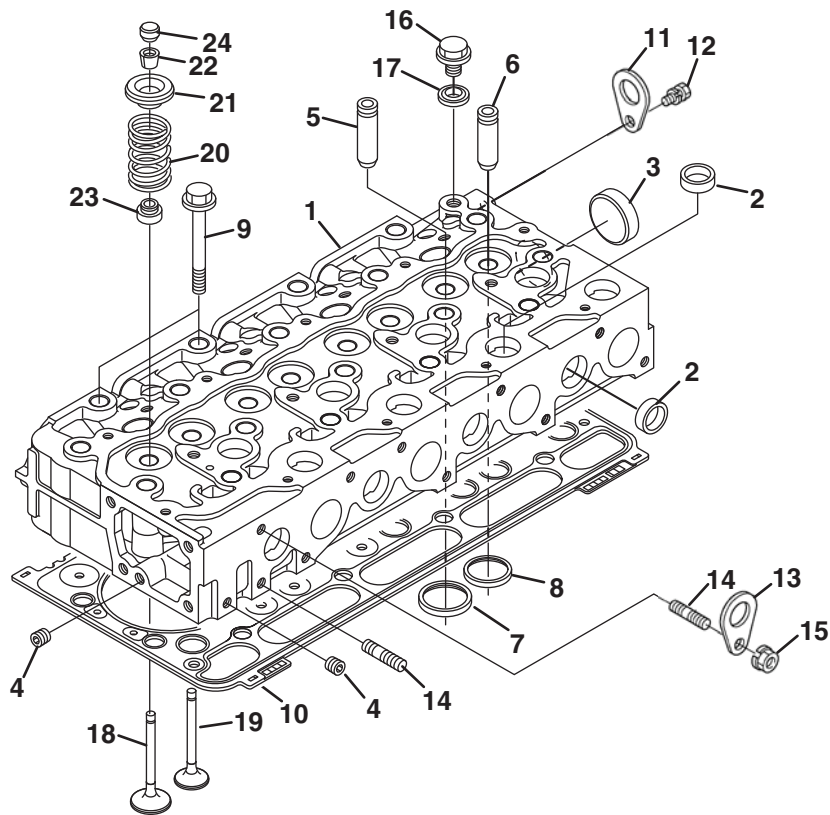
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B - D1803-M-DI-E3B-TXN-1

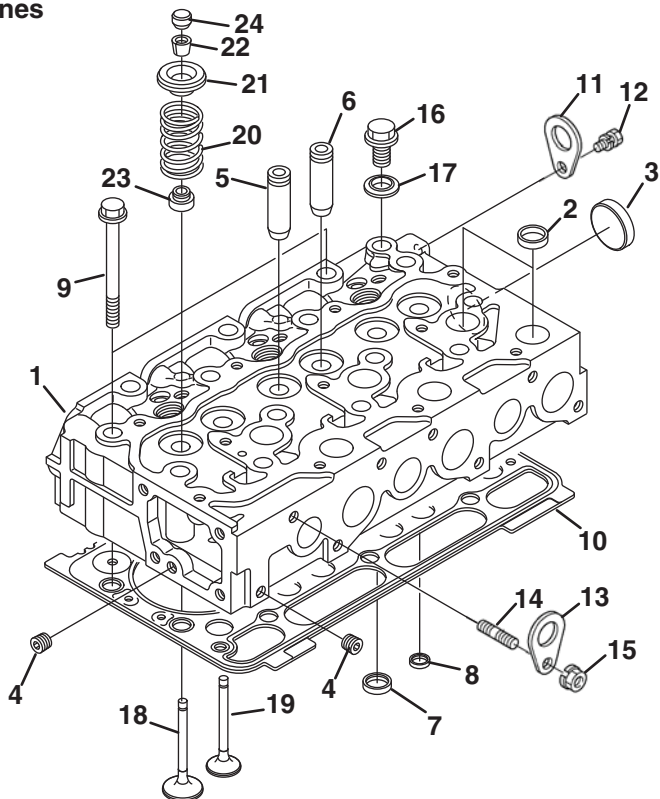
● - Used on all engines

3.1 Cylinder Head

V2403 Engines



D1803 Engines



KUBOTA D1803/V2403-M-DI-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289836	1	Comp. Cylinder Head	
B	1	4362188	1	Comp. Cylinder Head	
●	2	552976	12 / 9	• Plug, Cup Type	
●	3	552977	1	• Cap, Sealing	
●	4	552978	2	• Plug	
●	5	4289852	4 / 3	• Guide, Valve, Inlet	
●	6	556927	4 / 3	• Guide, Exhaust Valve	
●	7	4289807	4 / 3	• Seat, Inlet Valve	
●	8	4289806	4 / 3	• Seat, Exhaust Valve	
●	9	556928	18 / 14	Bolt, Cylinder Head	
A	10	4198328	1	Gasket, 4 Cylinder Head	1.15mm
B	10	4318315	1	Gasket, 3 Cylinder Head	1.15mm
A	10	4198329	1	Gasket, 4 Cylinder Head	1.20mm
B	10	4318314	1	Gasket, 3 Cylinder Head	1.20mm
A	10	4198330	1	Gasket, 4 Cylinder Head	1.25mm
B	10	4318316	1	Gasket, 3 Cylinder Head	1.25mm
A	10	4198331	1	Gasket, 4 Cylinder Head	1.30mm
B	10	4318317	1	Gasket, 3 Cylinder Head	1.30mm
A	10	4198332	1	Gasket, 4 Cylinder Head	1.35mm
B	10	4318318	1	Gasket, 3 Cylinder Head	1.35mm
●	11	553934	1	Hook, Engine	
●	12	4289891	1	Bolt, Sems	
●	13	553934	1	Hook, Engine	
●	14	4134179	1	Stud	
●	15	4134395	1	Nut With Lock Washer	
●	16	556930	1	Plug	
●	17	556931	1	Washer, Seal	
●	18	4289837	4 / 3	Valve, Inlet	
●	19	4289838	4 / 3	Valve, Exhaust	
●	20	4289850	8 / 6	Spring, Valve	
●	21	553028	8 / 6	Retainer, Valve Sp.	
●	22	4134385	8 / 6	Collet, Valve Spring	SET
●	23	553030	8 / 6	Seal, Valve Stem	
●	24	4289851	8 / 6	Cap, Valve	

A - V2403-M-DI-E3B-TXN-1

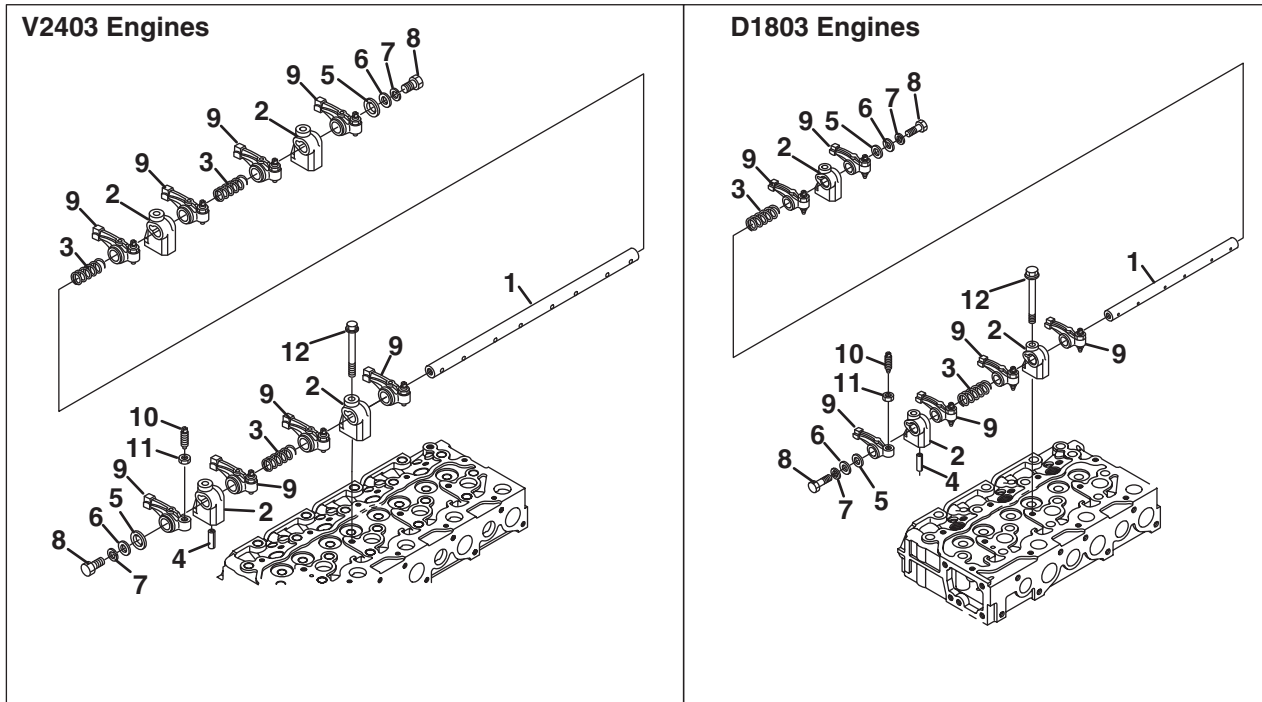
B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

KUBOTA D1803/V2403-M-DI-E3B

Serial No. All

4.1 Rocker Arm Shaft



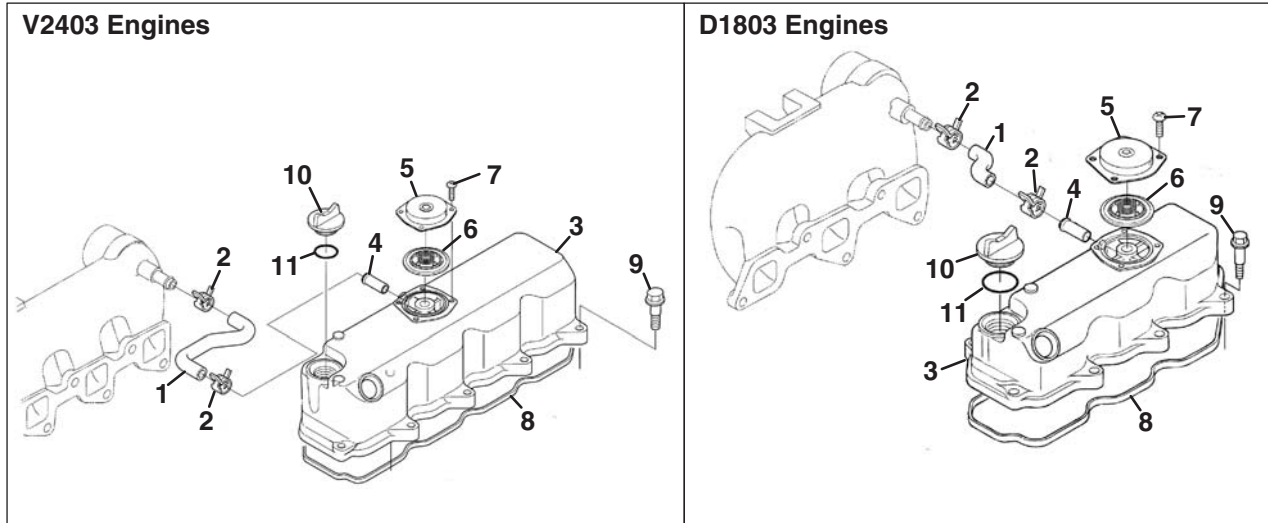
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4159660	1	Shaft, Rocker Arm	
B	1	4318308	1	Shaft, Rocker Arm	
●	2	553033	4 / 3	Bracket, Rocker Arm	
●	3	553037	3 / 2	Spring(Arm, Rocker)	
●	4	4134387	4 / 3	Bolt, Flange	
●	5	4138201	1	Spring Pin	
●	6	553036	2	Washer, R. arm Shaft	
●	7	4297105	2	Washer, Plain	
●	8	5002002	2	Washer, Spring Lock	
●	9	594338	2	Hex. bolt	
●	10	5002804	8 / 6	Arm, Rocker, Assy	
●	11	4289853	8 / 6	• Screw	
●	12	4138207	8 / 6	• Nut	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

5.1 Head Cover



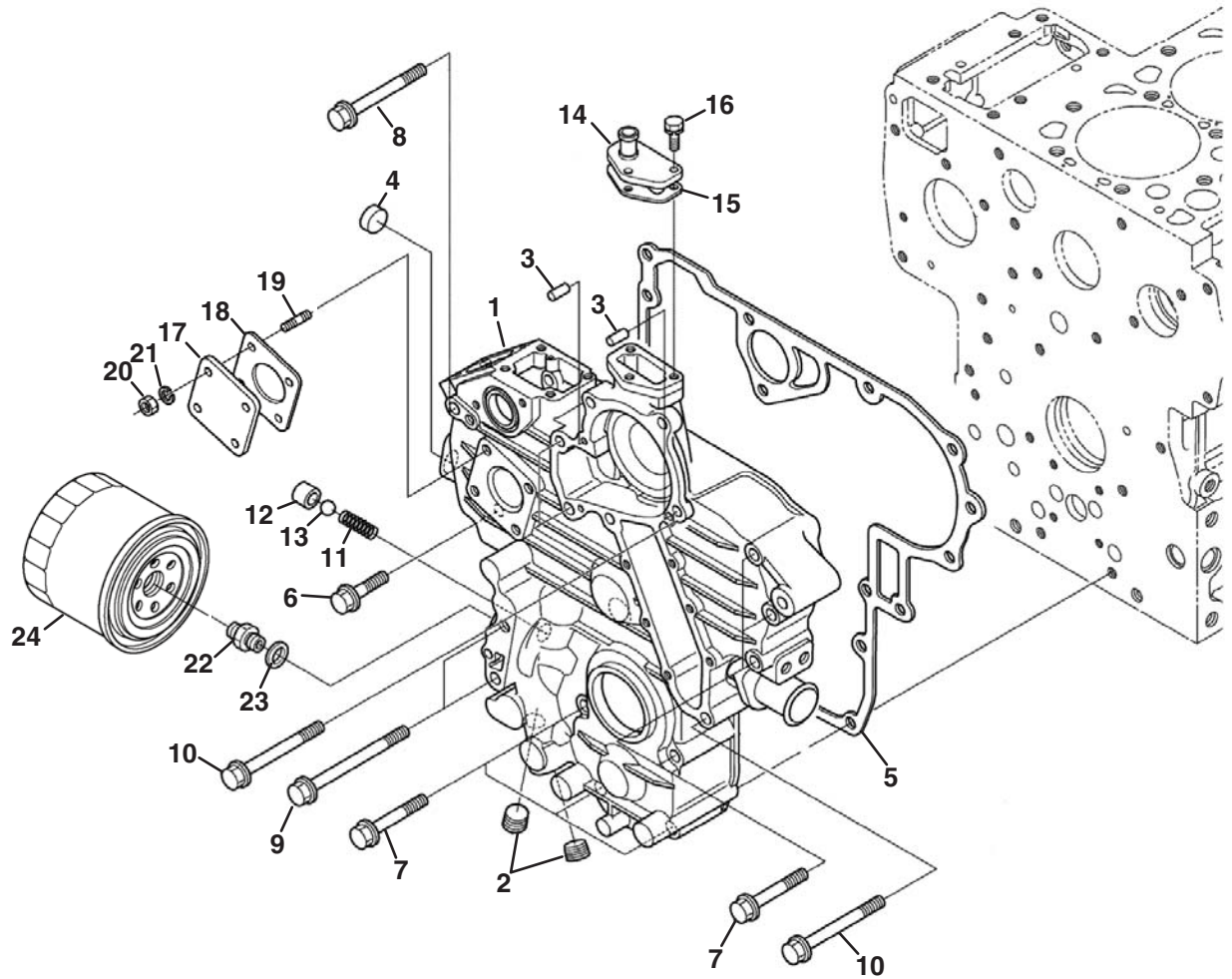
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289845	1	Tube, Breather	
B	1	4362190	1	Tube, Breather	
●	2	4198166	2	Clamp, Hose	
A	3	4198340	1	Assembly Cover, Cyl. head	
B	3	4362191	1	Assembly Cover, Cyl. head	
●	4	4134204	1	• Pipe, Water Return	
●	5	4145911	1	• Cover, Breather	
●	6	4145912	1	• Comp Valve, Breather	
●	7	4362192	4	• Screw, Pan Head(Phillips)	
A	8	4134208	1	Gasket, Head Cover	
B	8	4318309	1	Gasket, Head Cover	
●	9	4134209	10 / 8	Bolt	
●	10	4134210	1	Plug, Oil Filler	
●	11	4134211	1	O Ring	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

6.1 Gear Case



KUBOTA D1803/V2403-M-DI-E3B

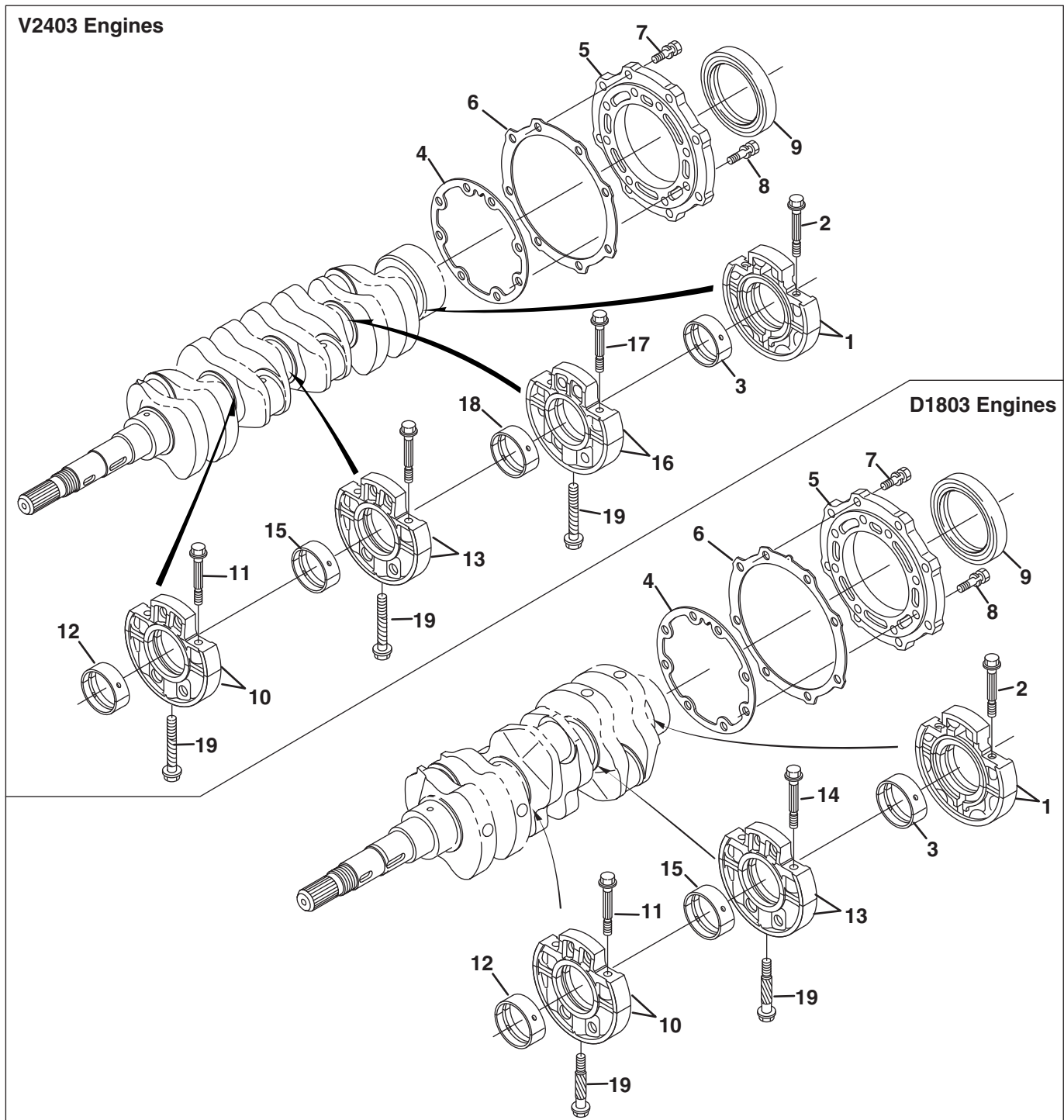
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4198388	1	Comp. Gear Case	
B	1	4362189	1	Comp. Gear Case	
●	2	5001255	2	Plug	
●	3	594369	2	Pin, Straight	
B	4	4137886	1	Cap, Sealing	
●	5	4289818	1	Gasket, Gear Case	
●	6	4137901	1	Bolt, Flange	
●	7	4198240	7	Bolt, Sems	
●	8	4137829	1	Bolt, Flange	
●	9	4198361	2	Bolt, Sems	
●	10	4198161	4	Bolt, Flange	
●	11	552997	1	Spring	
●	12	552998	1	Seat, Valve	
●	13	594378	1	Ball	
●	14	552999	1	Flange, Water Return	
●	15	4134624	1	Gasket, Return Flange	
●	16	550364	3	Bolt, Sems	
●	17	553004	1	Cover	
●	18	4134625	1	Gasket, Hour Meter	
●	19	553003	4	Stud	
●	20	550395	4	Hex. nut	
●	21	834287	4	Washer, Spring Lock	
●	22	4198237	1	Pipe, Joint	
●	23	4198341	1	Collar, Valve Seat	
●	24	4113986	1	Filter, Oil Cartridge	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

7.1 Main Bearing Case



KUBOTA D1803/V2403-M-DI-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4198242	1	Assy Brg. case, Wheel	
●	2	4134220	2	• Bolt, Bearing Case	
●	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	Assy 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	Assy 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
A	16	4198303	1	Assy Brg. case, Main	
A	17	4134220	2	• Bolt, Bearing Case	
A	18 ■	4134221	1	• Metal, Crankshaft	STD SET
A	18 ◆	4134222	1	Metal, Crankshaft	-0. 20mm SET
A	18 ▲	4134223	1	Metal, Crankshaft	-0. 40mm SET
●	19	556944	3 / 2	Bolt, Bearing Case	
A	■	4198367	1	Kit Metal, STD Engine	Includes Items marked ■
B	■	4318322	1	Kit Metal, STD Engine	Includes Items marked ■
A	◆	4198368	1	Kit Metal, ± 0.20mm Engine	Includes Items marked ◆
B	◆	4318323	1	Kit Metal, ± 0.20mm Engine	Includes Items marked ◆
A	▲	4198369	1	Kit Metal, ± 0.40mm Engine	Includes Items marked ▲
B	▲	4318324	1	Kit Metal, ± 0.40mm Engine	Includes Items marked ▲

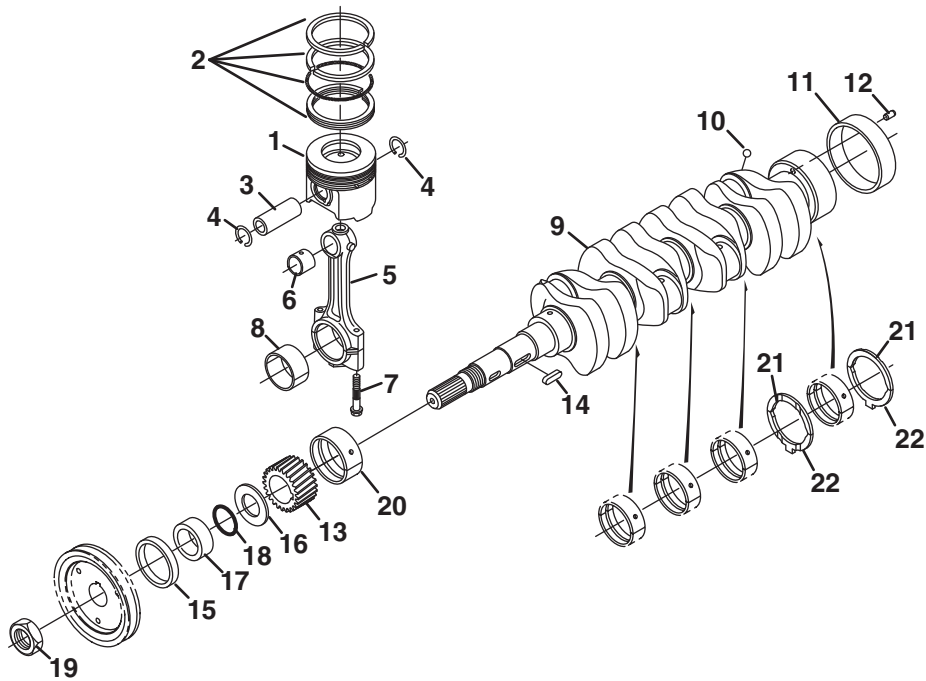
A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

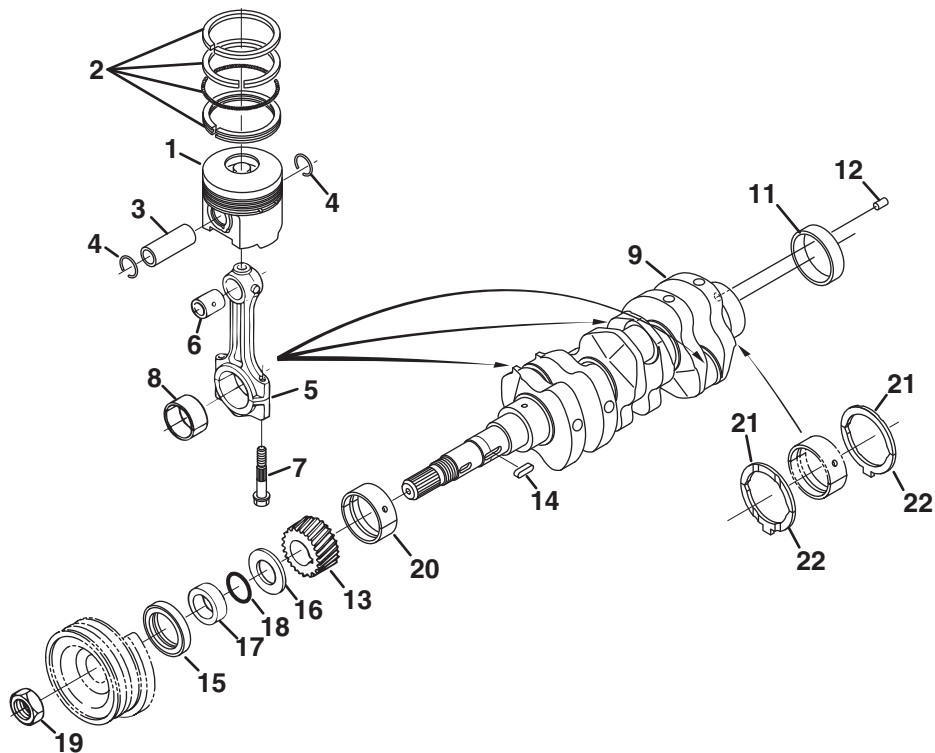
● - Used on all engines

8.1 Piston and Crankshaft

V2403 Engines



D1803 Engines



KUBOTA D1803/V2403-M-DI-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4289846	4 / 3	Piston	STD
●	1	4289847	4 / 3	Piston	+0. 25mm
●	2	4289820	4 / 3	• Assy Piston Ring	STD
●	2	4289821	4 / 3	• Assy Piston Ring	+0. 25mm
●	3	556964	4 / 3	• Pin, Piston	
●	4	4159662	8 / 6	• Circlip, Int	
●	5	556966	4 / 3	Rod, Connecting, Assy	
●	6	556967	4 / 3	• Bush, Piston Pin	
●	7	557331	8 / 6	• Bolt, Connecting Rod	
●	8 ■	556968	4 / 3	• Metal, Crankpin	STD SET
●	8 ◆	556969	4 / 3	Metal, Crankpin	-0. 20mm SET
●	8 ▲	556970	4 / 3	Metal, Crankpin	-0. 40mm SET
A	9	4289835	1	Crankshaft, Comp	
B	9	4318320	1	Crankshaft, Comp	
A	10	2500953	4	• Ball, 1/4	
●	11	553095	1	• Bush Crankshaft	
●	12	4198236	1	Pin, Straight	
●	13	4289808	1	Gear, Crankshaft	
●	14	4198165	1	Feather Key	
●	15	556976	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, Crankshaft	STD
●	20 ◆	4134243	1	Metal Crankshaft	-0. 20mm
●	20 ▲	4134244	1	Metal Crankshaft	-0. 40mm
●	21 ■	4134245	2	Metal, Side	STD
●	21 ◆	4134246	2	Metal Side	+0. 20mm
●	21 ▲	4134247	2	Metal Side	+0. 40mm
●	22 ■	4134248	2	Metal, Side	STD
●	22 ◆	4134249	2	Metal Side	+0. 20mm
●	22 ▲	4134250	2	Metal Side	+0. 40mm
A	■	4198367	1	Kit Metal, STD Engine	Includes Items marked ■
B	■	4318322	1	Kit Metal, STD Engine	Includes Items marked ■
A	◆	4198368	1	Kit Metal, ± 0.20mm Engine	Includes Items marked ◆
B	◆	4318323	1	Kit Metal, ± 0.20mm Engine	Includes Items marked ◆
A	▲	4198369	1	Kit Metal, ± 0.40mm Engine	Includes Items marked ▲
B	▲	4318324	1	Kit Metal, ± 0.40mm Engine	Includes Items marked ▲

A - V2403-M-DI-E3B-TXN-1

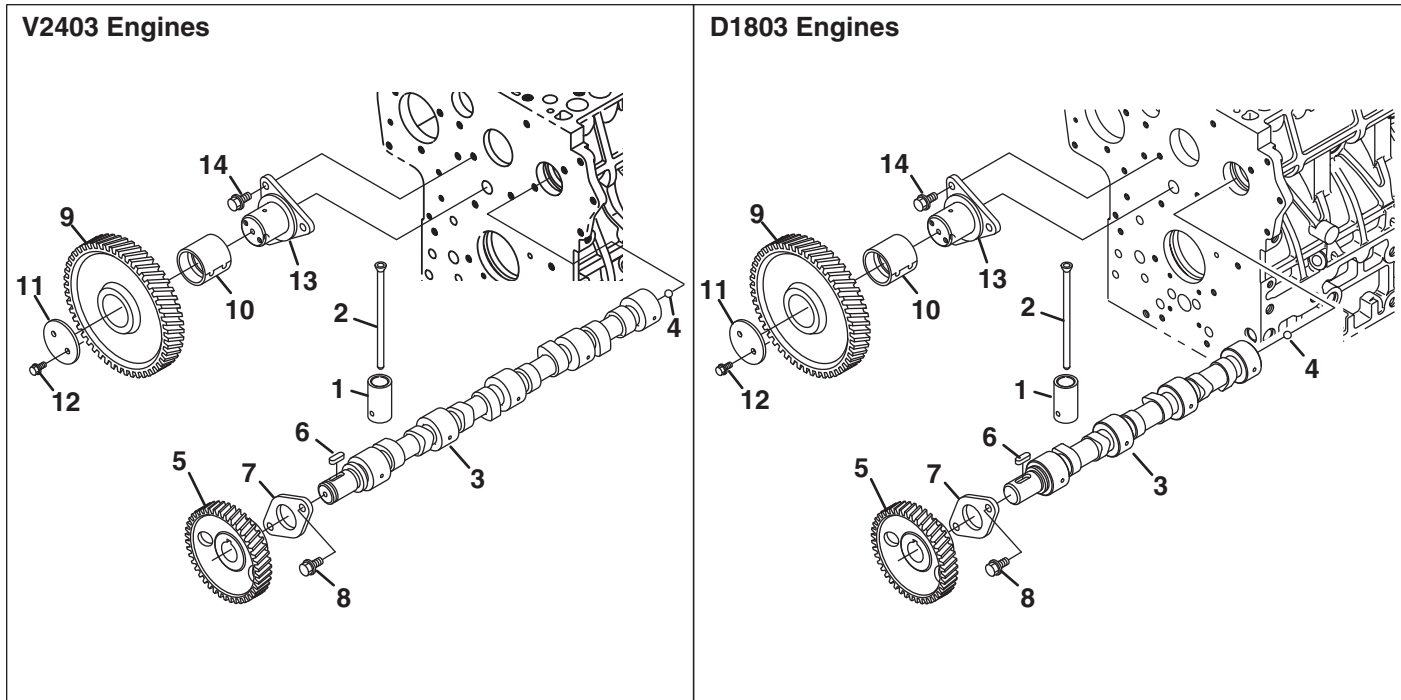
B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

KUBOTA D1803/V2403-M-DI-E3B

Serial No. All

9.1 Camshaft and Idle Gear



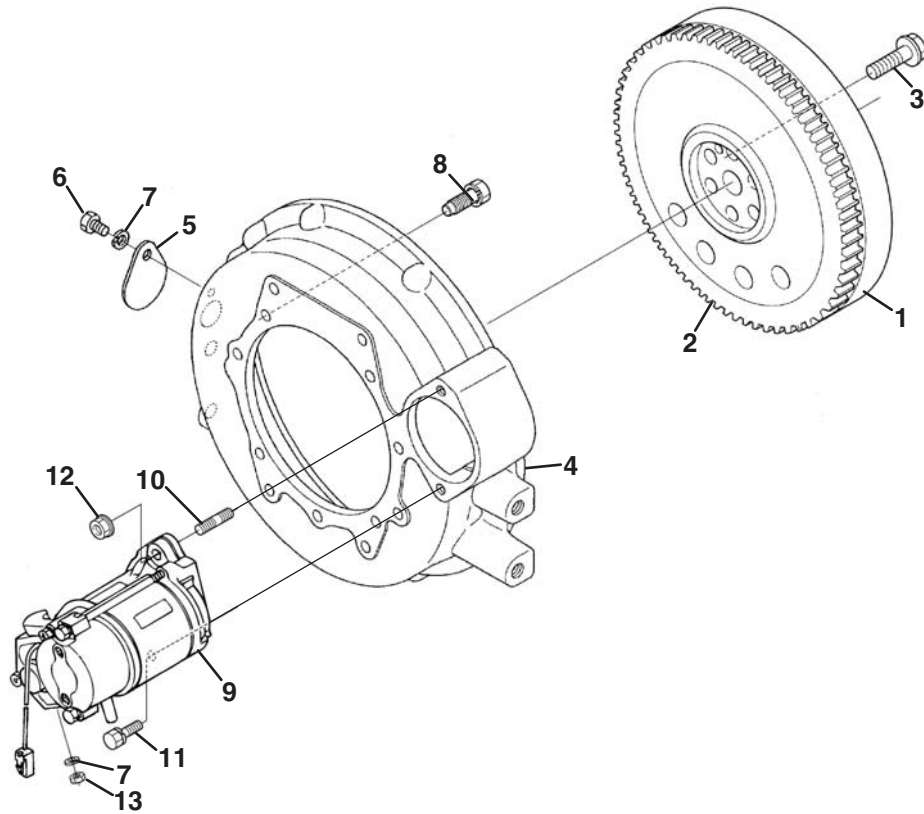
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	557322	6	Tappet	
●	2	4198304	6	Rod, Push	
A	3	4289839	1	Assy Camshaft	
B	3	4318319	1	Assy Camshaft	
●	4	2500953	1	• Ball 1/4	
●	5	4134233	1	• Gear, Camshaft	
●	6	594374	1	• Key, Feather	
●	7	553068	1	• Stopper, Camshaft	
●	8	2811976	2	Bolt, Flange	
●	9	4159665	1	Comp. gear, 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-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

10.1 Flywheel Housing



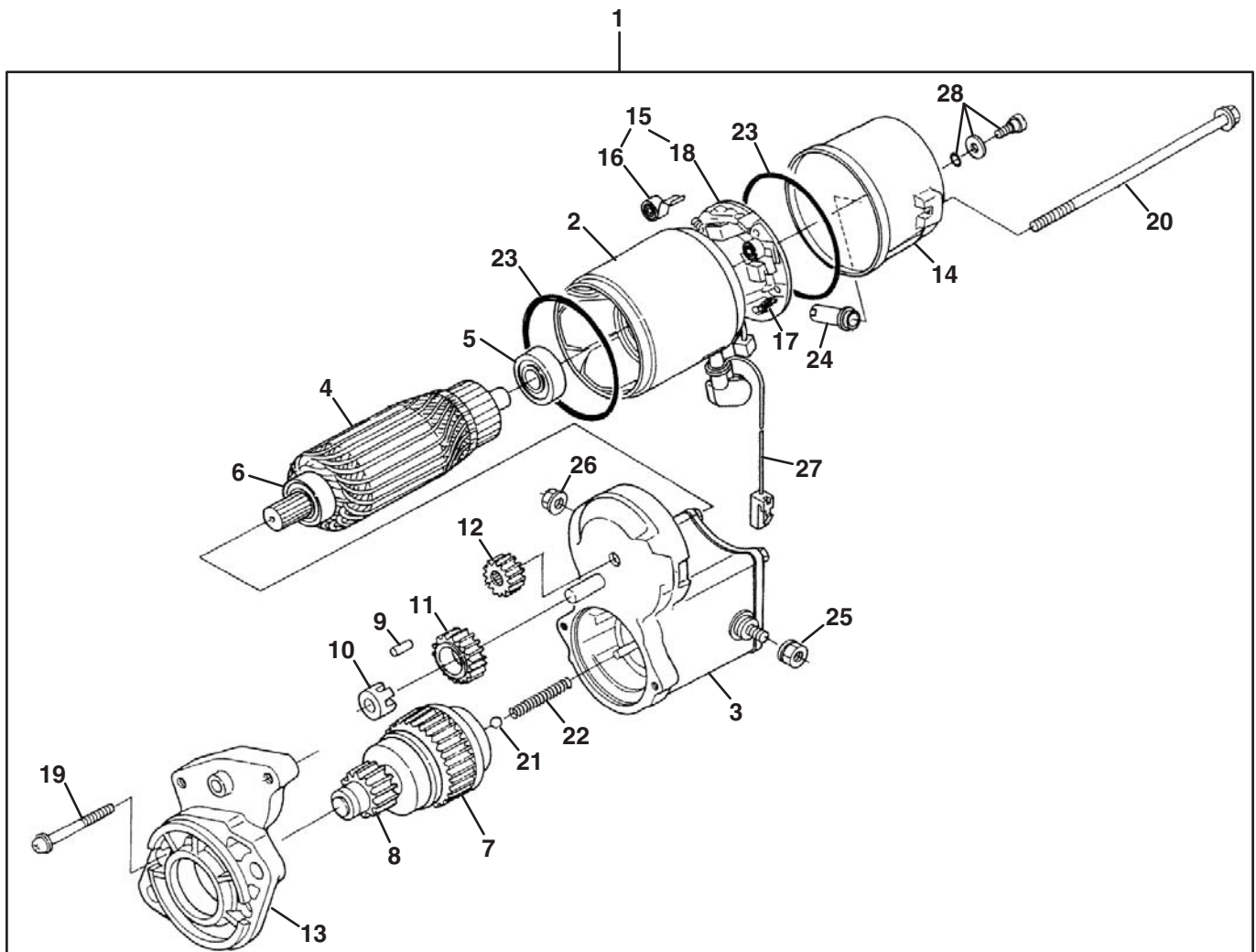
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4198365	1	Comp. flywheel	See 11.1 for Service Parts
B	1	4362195	1	Comp. flywheel	
●	2	4198239	1	• Gear, Ring	
●	3	4198377	6	Bolt, Flywheel	
●	4	4198364	1	Housing, Flywheel	
●	5	553102	1	Cover	
●	6	594338	1	Hex. bolt	
●	7	5002002	1	Washer, Spring Lock	
●	8	4134252	11	Bolt	
●	9	4198229	1	Assy Starter	
●	10	4297100	1	Bolt, Stud	
●	11	594337	1	Bolt, Sems	
●	12	4251684	1	Nut, Flange	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

11.1 Starter Breakdown



KUBOTA D1803/V2403-M-DI-E3B

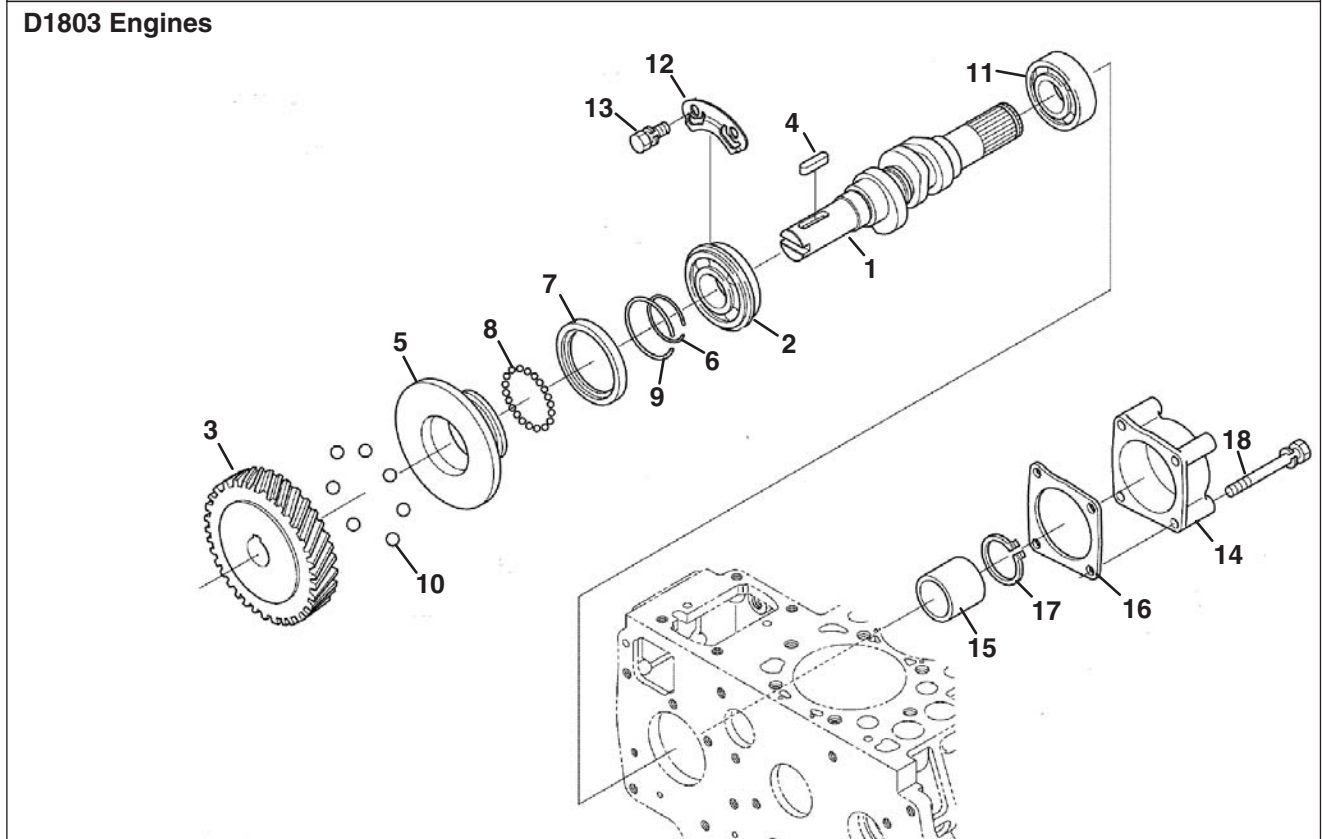
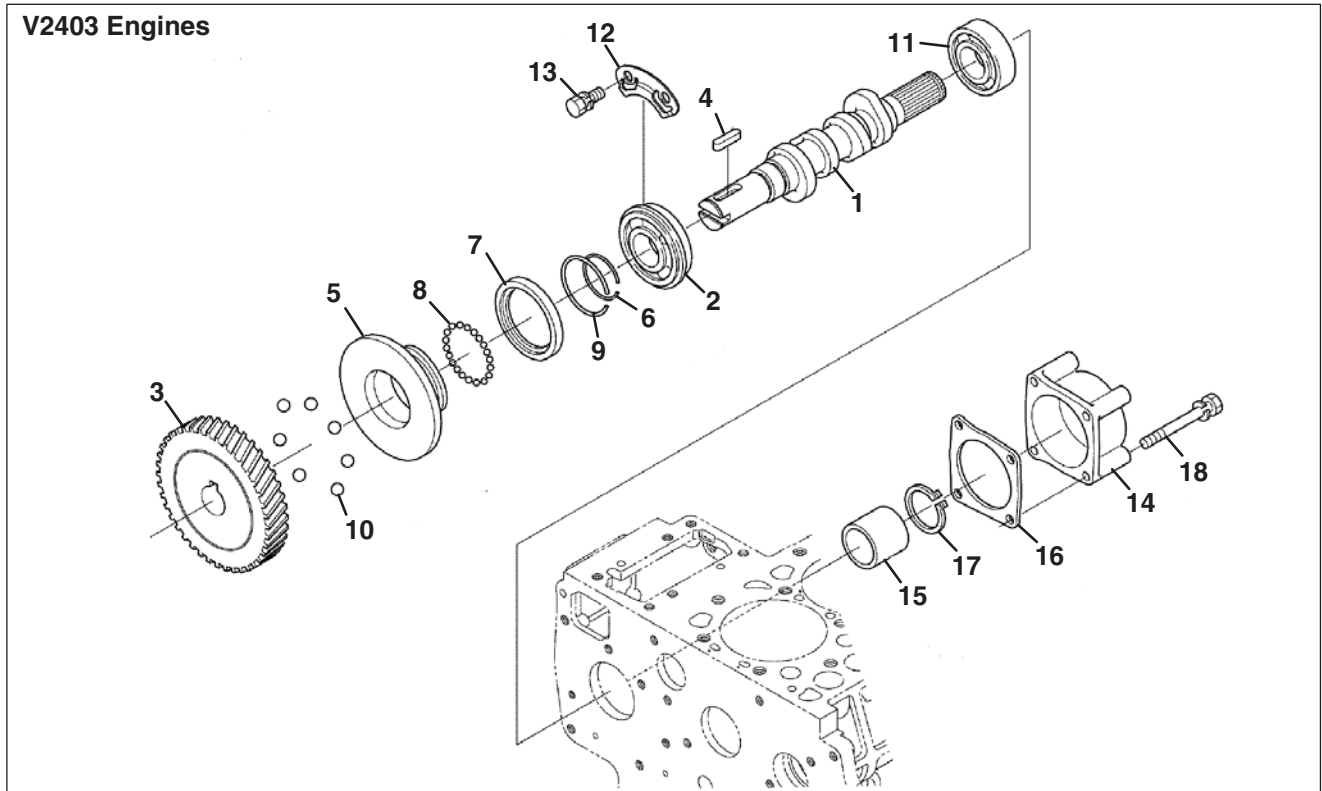
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4198229	1	Assembly Starter	
●	2	4198216	1	• Yoke	
●	3	4198130	1	• Assembly Switch, Magnetic	
●	4	4198215	1	• Armature	
●	5	4198222	1	• Bearing	
●	6	557892	1	• Bearing	
●	7	4198214	1	• Clutch, Over Running	
●	8	5001307	1	• Gear, Pinion	
●	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	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

12.1 Fuel Camshaft



KUBOTA D1803/V2403-M-DI-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289861	1	Camshaft, Assy Fuel	
B	1	4362196	1	Camshaft, Assy 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.	
●	7	4289848	1	• Case, Governor Ball	
●	8	550432	39	• Ball 5/32	
●	9	553125	1	• Cir-clip, Gov.	
●	10	557336	7	• Ball	
●	11	4198372	1	Bearing, Ball	
●	12	4289862	1	Stopper, Fuel	
●	13	4289798	2	Bolt, Sems	
●	14	4198169	1	Cover, Fuel Camshaft	
A	15	4198370	1	Collar	
B	15	4362197	1	Collar	
●	16	4198321	1	Gasket	
●	17	594360	1	Cir-clip, External	
●	18	4134407	4	Bolt, Sems	

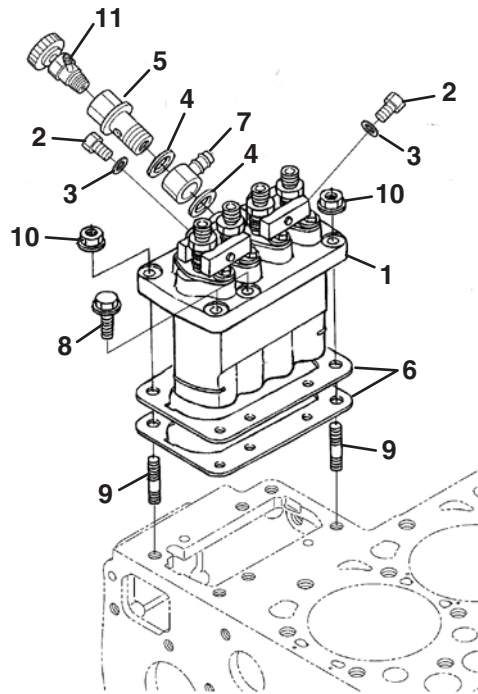
A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

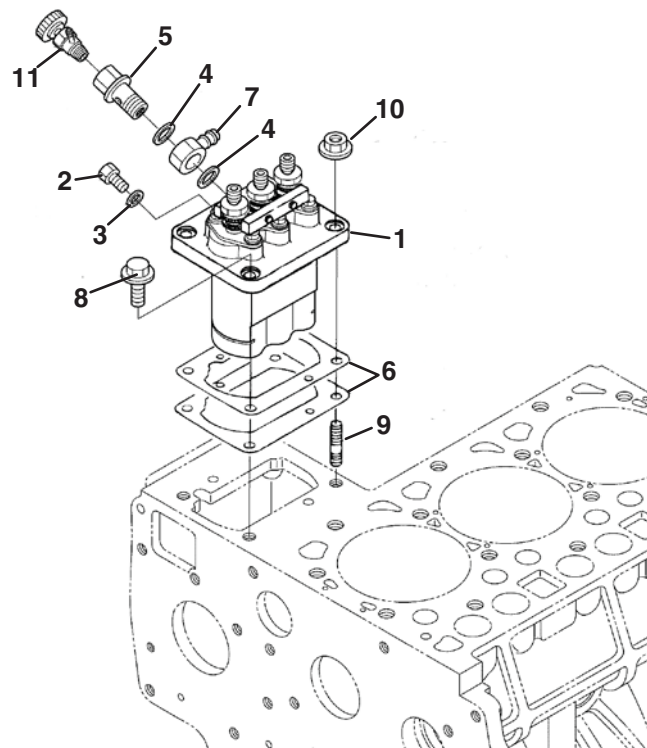
● - Used on all engines

13.1 Injection Pump

V2403 Engines



D1803 Engines



KUBOTA D1803/V2403-M-DI-E3B

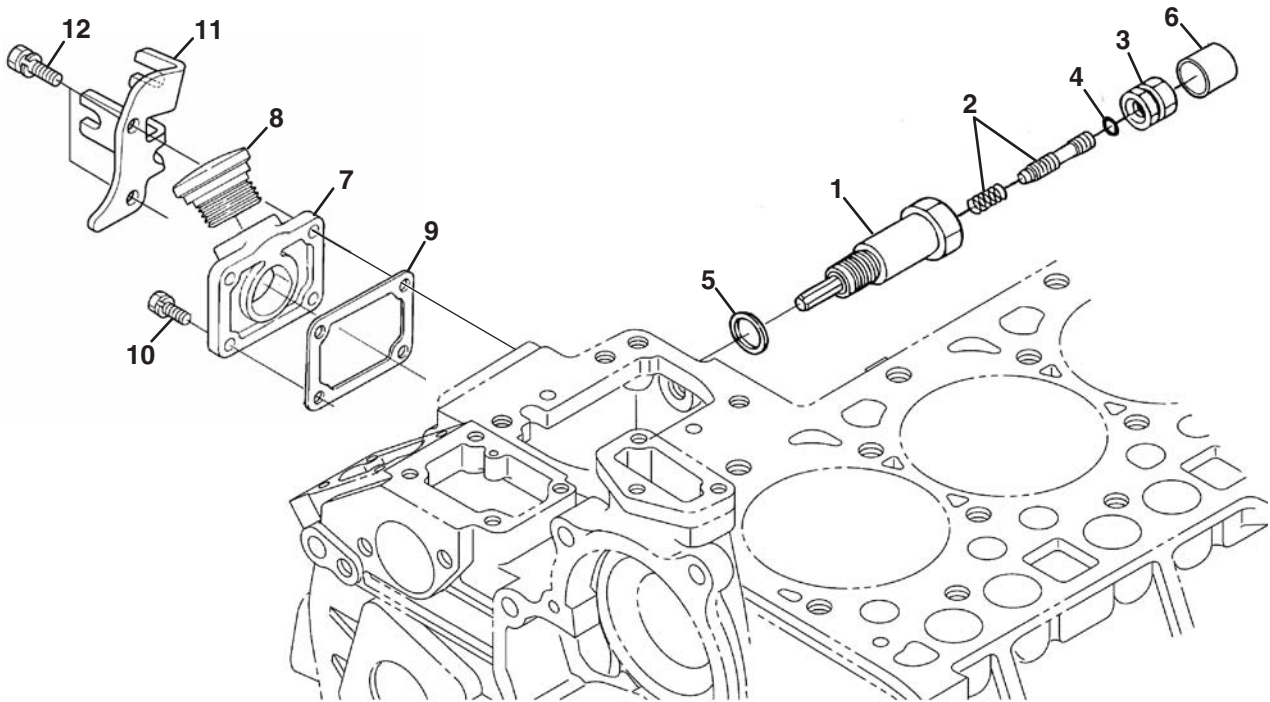
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289840	1	Assy Pump, Injection	
B	1	4362198	1	Assy Pump, Injection	
●	2	4289858	2 / 1	• Screw, Air Bleeder	
●	3	4289801	2 / 1	• Gasket	
●	4	4289802	1	Packing	
●	5	4289857	1	Screw(Roof, Canopy)	
A	6	4198375	1	Shim, Injection Pump	0. 175mm
B	6	4362199	1	Shim, Injection Pump	0. 175mm
A	6	5000884	1	Shim, Injection Pump	0. 200mm
B	6	5000883	1	Shim, Injection Pump	0. 200mm
A	6	4134275	1	Shim, Injection Pump	0. 250mm
B	6	4362200	1	Shim, Injection Pump	0. 250mm
A	6	4134275	1	Shim, Injection Pump	0. 300mm
B	6	4362201	1	Shim, Injection Pump	0. 300mm
A	6	4134276	1	Shim, Injection Pump	0. 350mm
B	6	4362202	1	Shim, Injection Pump	0. 350mm
●	7	4281637	1	Joint, Eye	
●	8	4137820	2	Bolt, Flange	
●	9	553024	2	Stud	
●	10	4137803	2	Nut, Flange	
●	11	553118	1	Assy Cock, Jet Start	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

14.1 Idle Apparatus



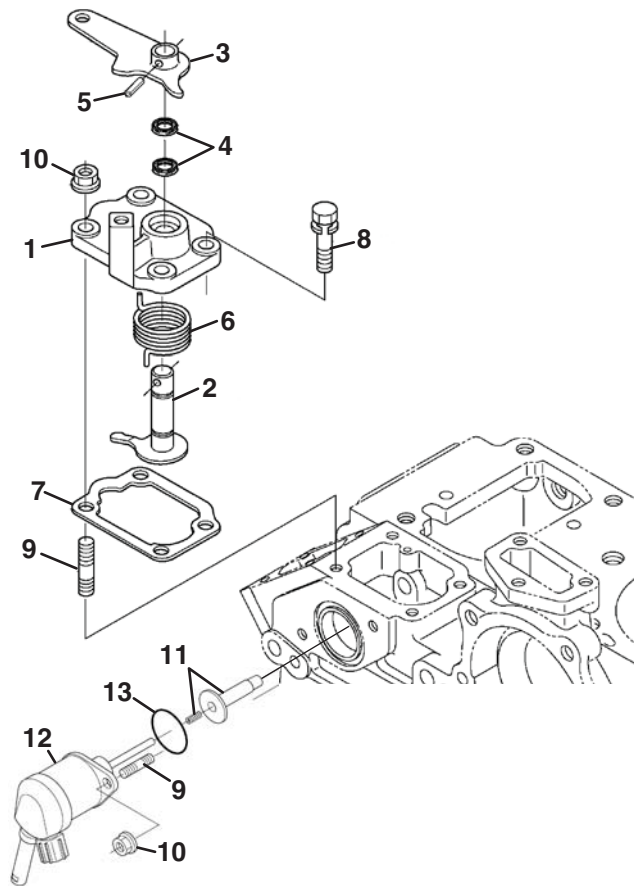
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4289832	1	Apparatus, Idling	
●	2	4289831	1	• Assy Bolt, Adjustment	
●	3	4134259	1	• Nut, Spring	
●	4	4134260	1	• Ring	
●	5	4134261	1	Gasket	
●	6	4134262	1	Cap	
●	7	4362193	1	Flange, Oil Filler	
●	8	4362194	1	Plug, Oil Filler	
●	9	553163	1	Gasket, Pump Cover	
●	10	550363	2	Bolt, Sems	
●	11	4134174	1	Bracket, Accel. cable	
●	12	553840	2	Bolt, Sems	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

15.1 Engine Stop Lever



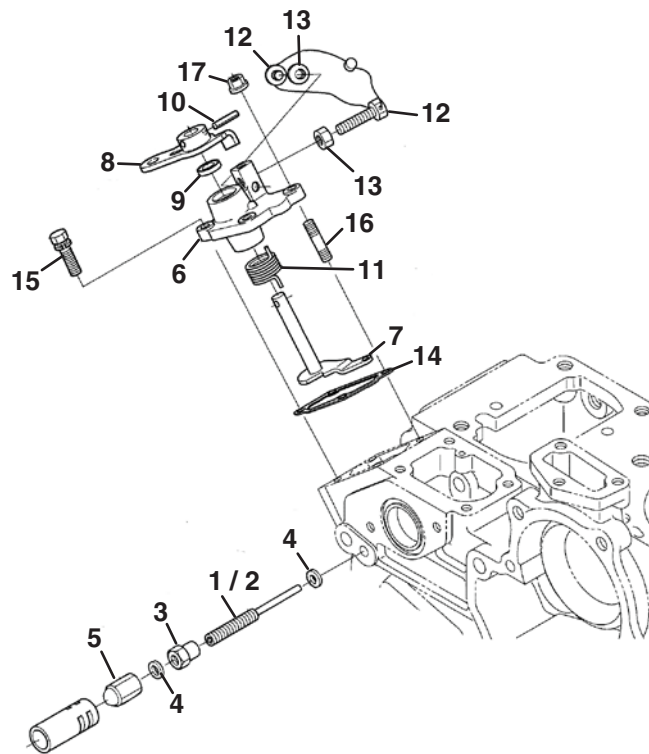
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4289864	1	Lever, Assy Engine Stop	
●	2	4289865	1	Lever, Comp Engine Stop	
●	3	4289866	1	Lever, Engine Stop	
●	4	4289867	2	Packing, X-ring	
●	5	4289800	1	Pin, Spring	
●	6	4134266	1	Spring, Return	
●	7	4134267	1	Gasket, Plate	
●	8	550364	2	Bolt, Sems	
●	9	553003	2	Stud	
●	10	2810647	2	Nut, Flange	
●	11	4134269	1	Comp. Guide, Solenoid	
●	12	4134270	1	Assy Solenoid	
●	13	4134271	1	O Ring	
●	14	553003	2	Stud	
●	15	2810647	2	Nut, Flange	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

16.1 Speed Control Plate



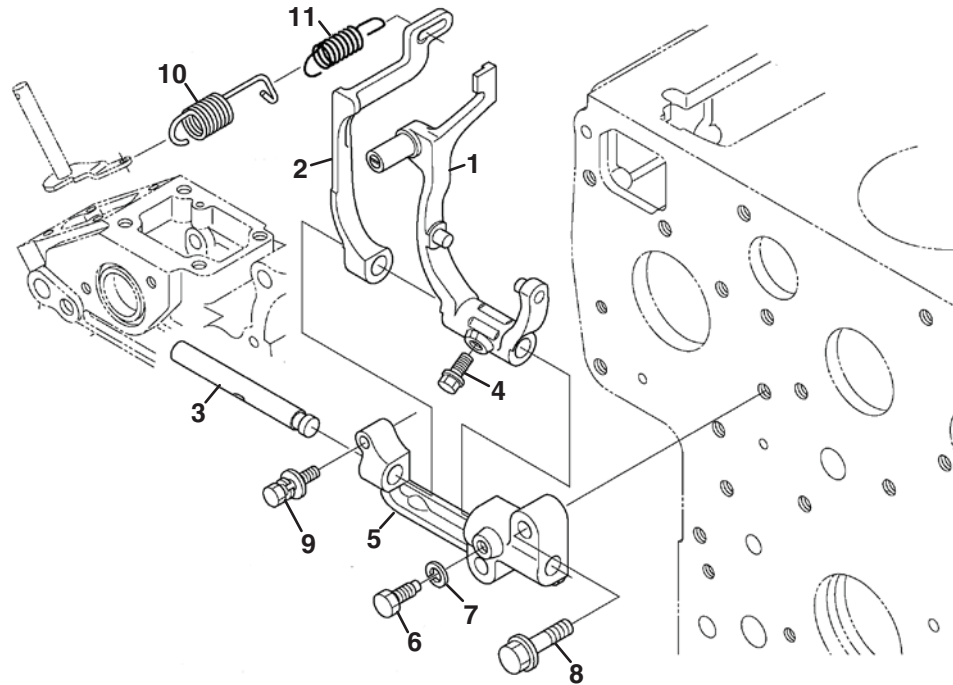
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4134289	1	Assy Bolt, Adjustment	
●	2	4198238	1	Bolt, Adjusting	
●	3	553142	1	Nut	
●	4	553143	2	Packing	
●	5	553879	1	Nut, Cap	
●	6	4134290	1	Assy Plate, Control	
●	7	4134291	1	Comp. lever, Governor	
●	8	4134292	1	Lever, Speed Control	
●	9	4198212	1	Seal, Oil	
●	10	550425	1	Pin, Spring	
●	11	4134266	1	Spring, Return	
●	12	4289809	2	Bolt, Idling Adjust	
●	13	550395	2	Hex. nut	
●	14	4134267	1	Gasket, Plate	
●	15	550364	2	Bolt, Sems	
●	16	553003	2	Stud	
●	17	2810647	2	Nut, Flange	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

17.1 Governor



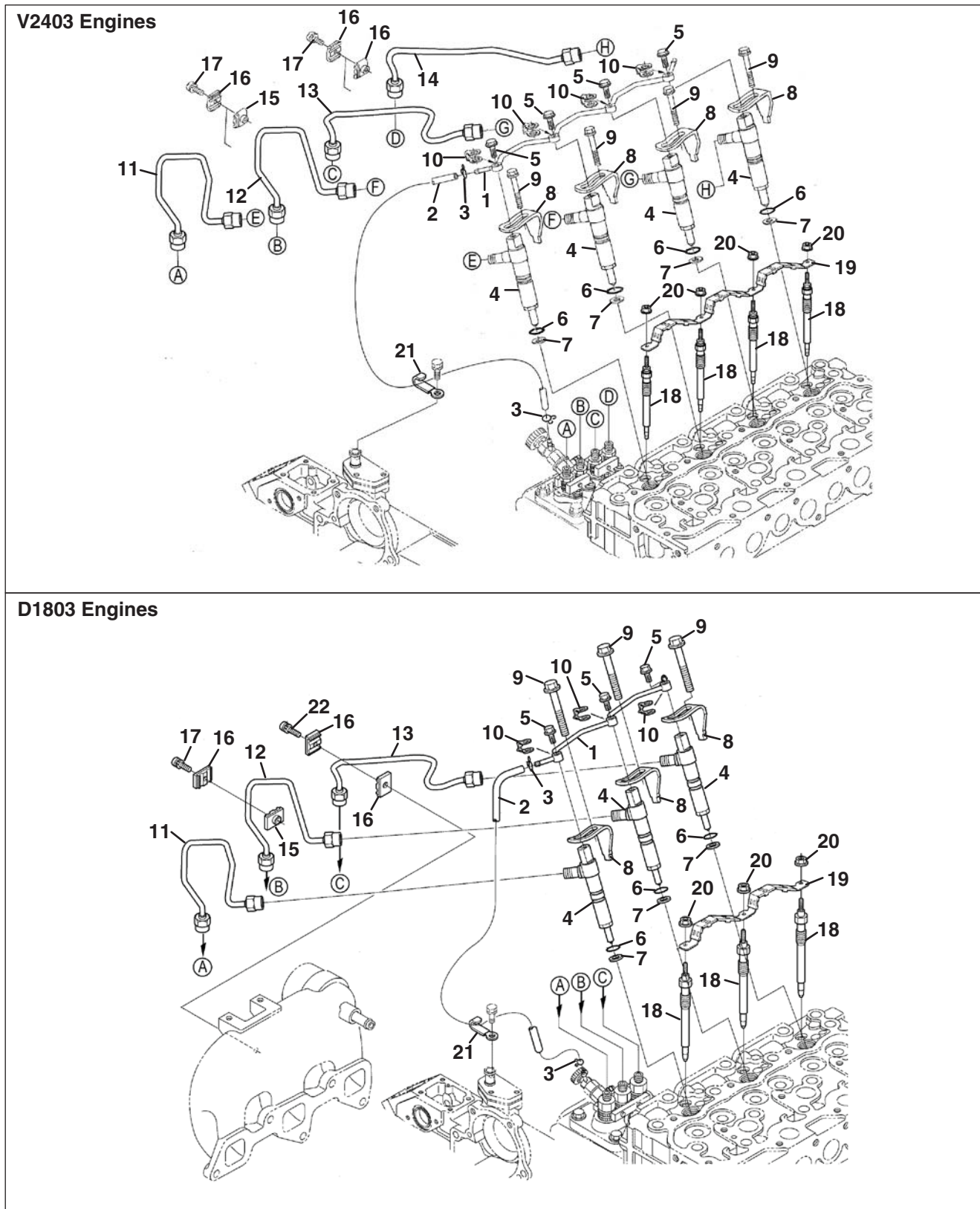
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289843	1	Assy Lever, Fork	
B	1	4362203	1	Assy Lever, Fork	
●	2	4134278	1	Lever, Fork	
●	3	4134279	1	• Shaft, Fork Lever	
●	4	4138085	1	• Bolt, Flange	
●	5	557366	1	• Bolt, Flange	
●	6	552992	1	• Holder, Fork Lever	
●	7	553137	1	• Bolt	
●	8	834287	1	• Washer, Spring Lock	
●	9	4137901	2	Bolt, Flange	
●	10	4134284	1	Bolt	
●	11	4289815	1	Spring, Governor, 1	
●	12	4289833	1	Spring, Governor	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

18.1 Nozzle Holder



KUBOTA D1803/V2403-M-DI-E3B

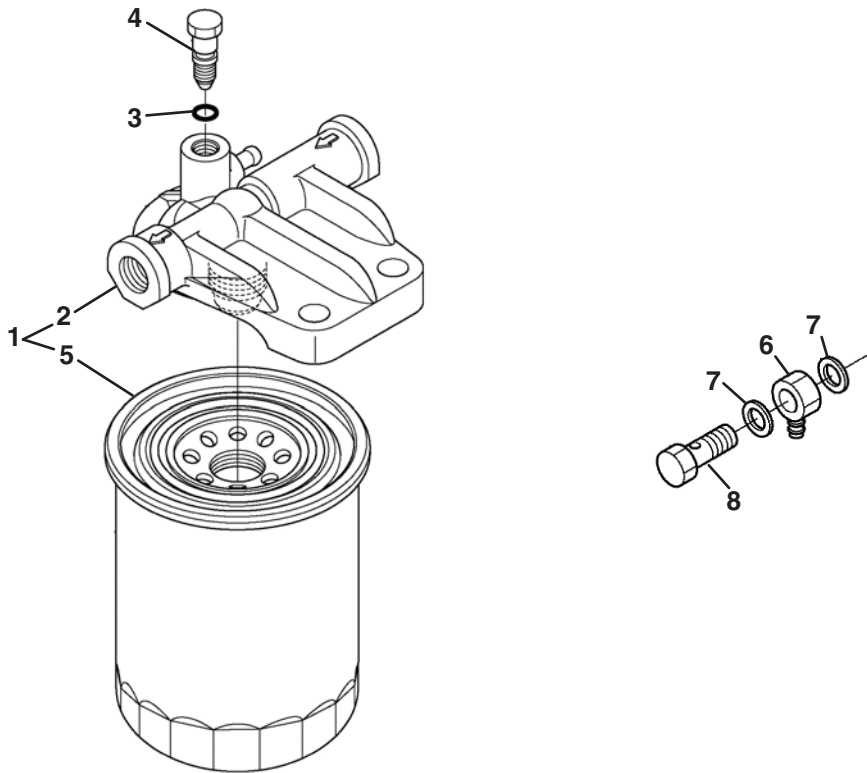
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289859	1	Assembly Pipe, Over Flow	Engine Serial # <=1FVZ999 Engine Serial # >=1FW0001
B	1	4362204	1	Assembly Pipe, Over Flow	
●	2	4289856	1	Tube Assembly, Fuel	
●	3	553105	2	Clip, Pipe	
●	4	4289841	4 / 3	Assembly Holder, Nozzle	
●	5	4138036	4 / 3	Bolt, Eye Joint	
●	6	2809954	4 / 3	O Ring	
●	7	4251732	4 / 3	Packing	
●	8	4289842	4 / 3	Clamp, Nozzle	
●	9	4289860	4 / 3	Bolt, Flange	
●	10	4138037	4 / 3	Gasket	
●	10	4322585	4 / 3	Gasket	
●	11	4289823	1	Pipe, Injection (Cylinder 1)	
●	12	4289825	1	Pipe, Injection (Cylinder 2)	
●	13	4289826	1	Pipe, Injection (Cylinder 3)	
A	14	4289827	1	Pipe, Injection (Cylinder 4)	
●	15	554054	1	Clamp, Pipe	
●	16	554055	3	Clamp, Pipe	
●	17	550401	2 / 1	Screw, Sems Pan Head	
●	18	4289844	4 / 3	Glow Plug	
A	19	4289834	1	Cord, Glow Plug	
B	19	4362206	1	Cord, Glow Plug	
●	20	5001152	3	• Nut, Flange	
●	21	2501170	1	Clamp, Cord	
B	22	4362205	1	Screw, Sems Pan Head	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

19.1 Fuel Filter



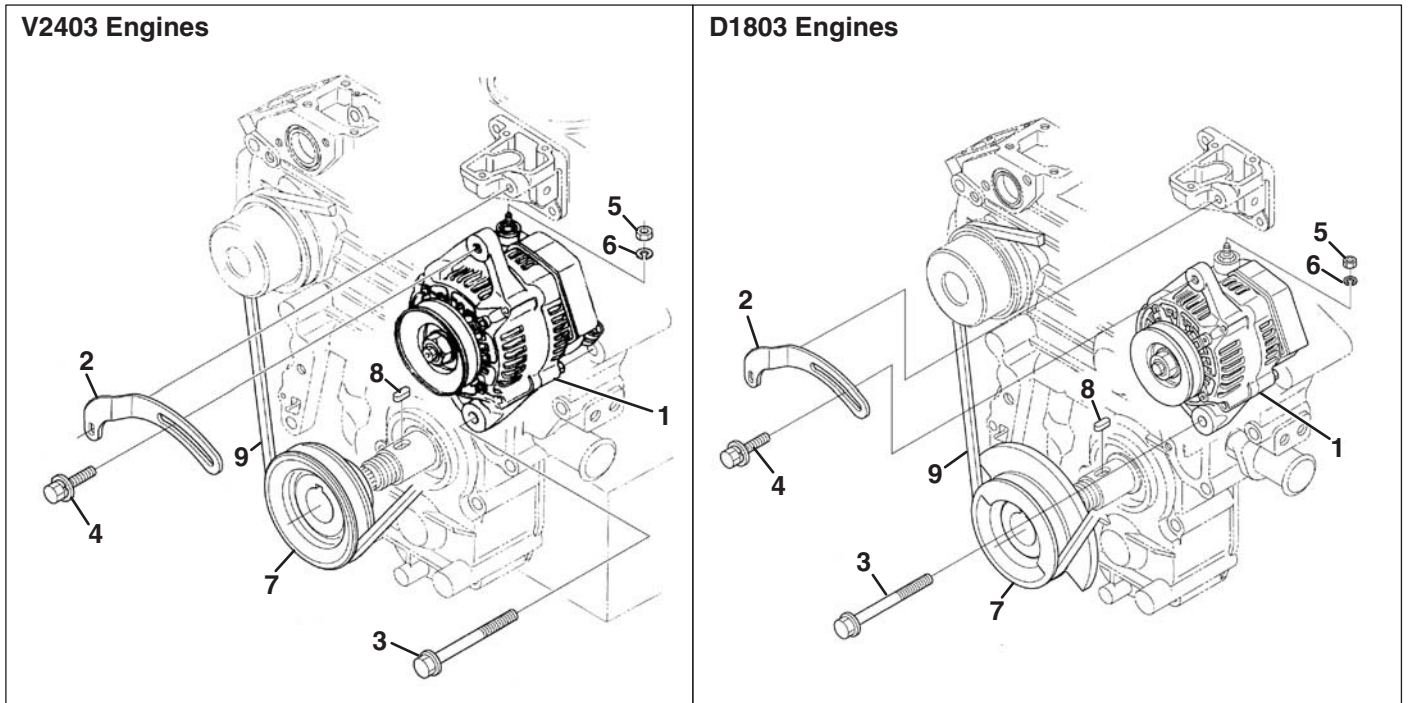
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4280171	1	Filter, Assembly Fuel	
●	2	4297144	1	Base, Filter	
●	3	4297147	1	O Ring	
●	4	4297145	1	Plug	
●	5	4297133	1	Filter, Fuel Cartridge	
●	6	2501172	4	Joint, Eye	
●	7	4138107	8	Gasket	
●	8	4138103	4	Bolt, Joint	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

20.1 Engine Belt



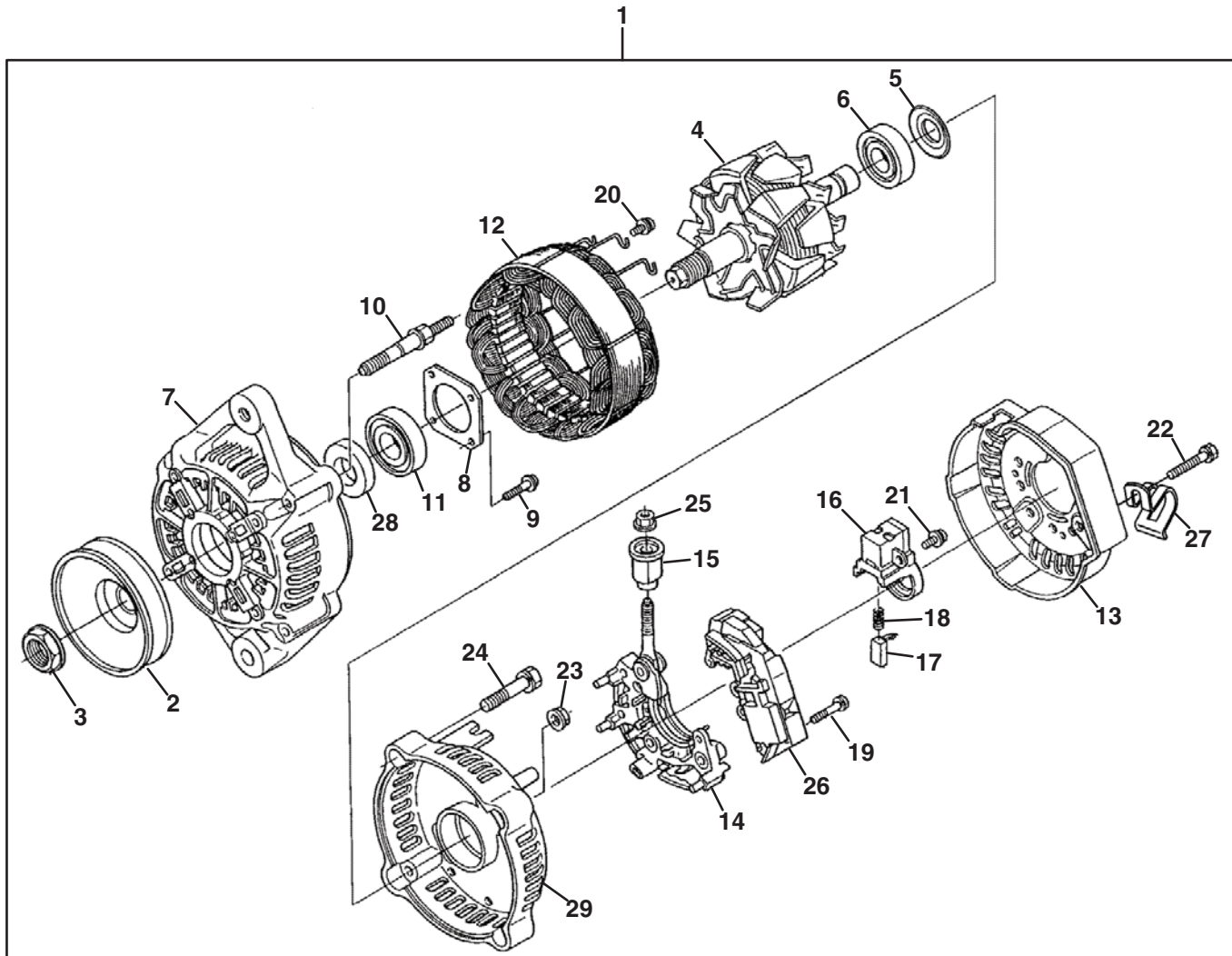
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5000938	1	Assembly Alternator	See 21.1 for Breakdown
●	2	4134319	1	Stay, Dynamo	
●	3	4289799	1	Bolt, Flange	
●	4	4134321	1	Bolt, W Sems Large Washer	
●	5	550395	1	Hex. nut	
●	6	834287	1	Washer, Spring Lock	
A	7	4289828	1	Pulley, Fan Drive	
B	7	4318321	1	Pulley, Fan Drive	
●	8	594374	1	Key, Feather	
A	9	4289829	1	Belt, V	
B	9	4198392	1	Belt, Cog	39.5 in.

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

21.1 Alternator Breakdown



KUBOTA D1803/V2403-M-DI-E3B

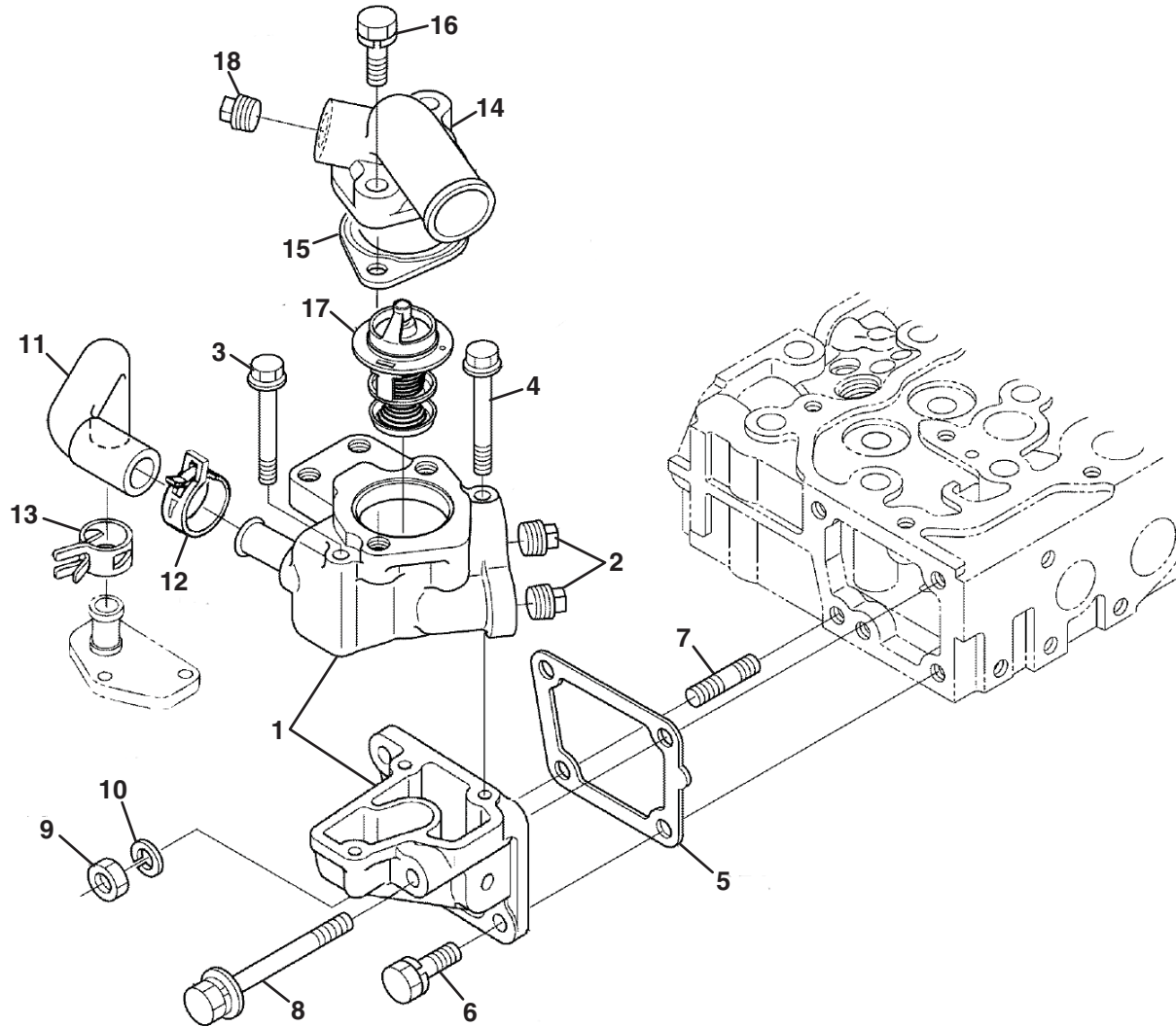
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5000938	1	Alternator, Assembly	
●	2	5002415	1	• Pulley, Alternator	
●	3	557948	1	• Nut	
●	4	4134327	1	• Rotor	
●	5	557951	1	• • Cover, Bearing	
●	6	4134328	1	• • Bearing, Ball	
●	7	4134329	1	• Frame, Drive End	
●	8	5001210	1	• • Plate, Retainer	
●	9	557956	4	• • Screw, Round Head	
●	10	557957	2	• • Bolt, Through	
●	11	557958	1	• • Bearing, 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, Round Head	
●	20	557967	6	• Screw, Round Head	
●	21	557968	1	• Screw, Round Head	
●	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-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

22.1 Water Flange



KUBOTA D1803/V2403-M-DI-E3B

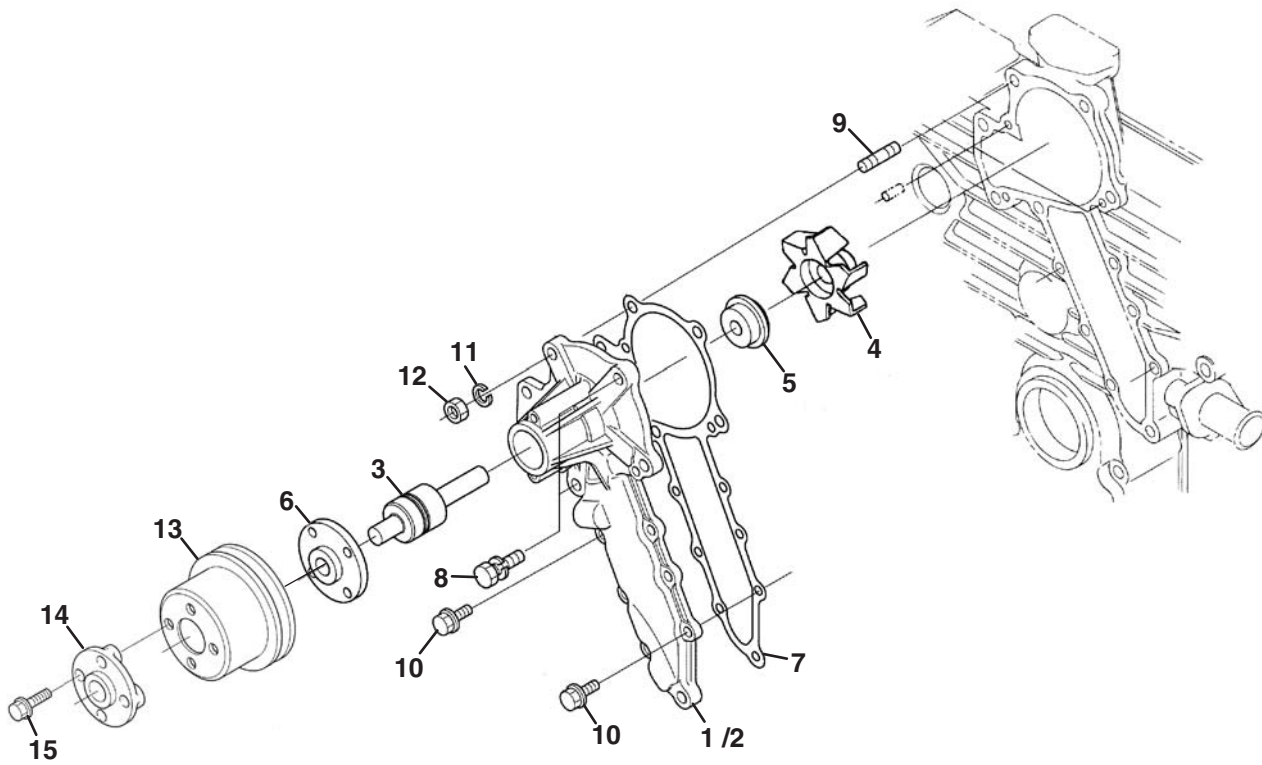
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4198342	1	Comp. flange, Water	
●	2	4134361	2	Plug	
●	3	4134362	2	Bolt, Flange	
●	4	4134363	1	Bolt, Flange	
●	5	4134364	1	Gasket, Water Flange	
●	6	4113985	2	Bolt, Sems	
●	7	553024	1	Stud	
●	8	4134365	1	Bolt	
●	9	550398	1	Hex Nut	
●	10	5002002	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	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

23.1 Water Pump



KUBOTA D1803/V2403-M-DI-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4198243	1	Assembly Pump, Water	
●	2	4198300	1	Body, Water Pump	
●	3	4198211	1	Bearing	
●	4	4134375	1	Impeller	
●	5	4134376	1	Assembly Seal, Mechanical	
●	6	4134377	1	Flange, Water Pump Shaft	
●	7	4134378	1	Gasket, Water Pump	
●	8	594332	2	Bolt, Sems	
●	9	4134379	1	Bolt, Stud	
●	10	557366	6	Bolt, Flange	
●	11	5002002	1	Washer, Spring Lock	
●	12	550398	1	Hex. nut	
●	13	4198228	1	Pulley, Fan	
●	14	4134383	1	Collar, Fan	
●	15	4134384	4	Bolt, Flange	

A - V2403-M-DI-E3B-TXN-1

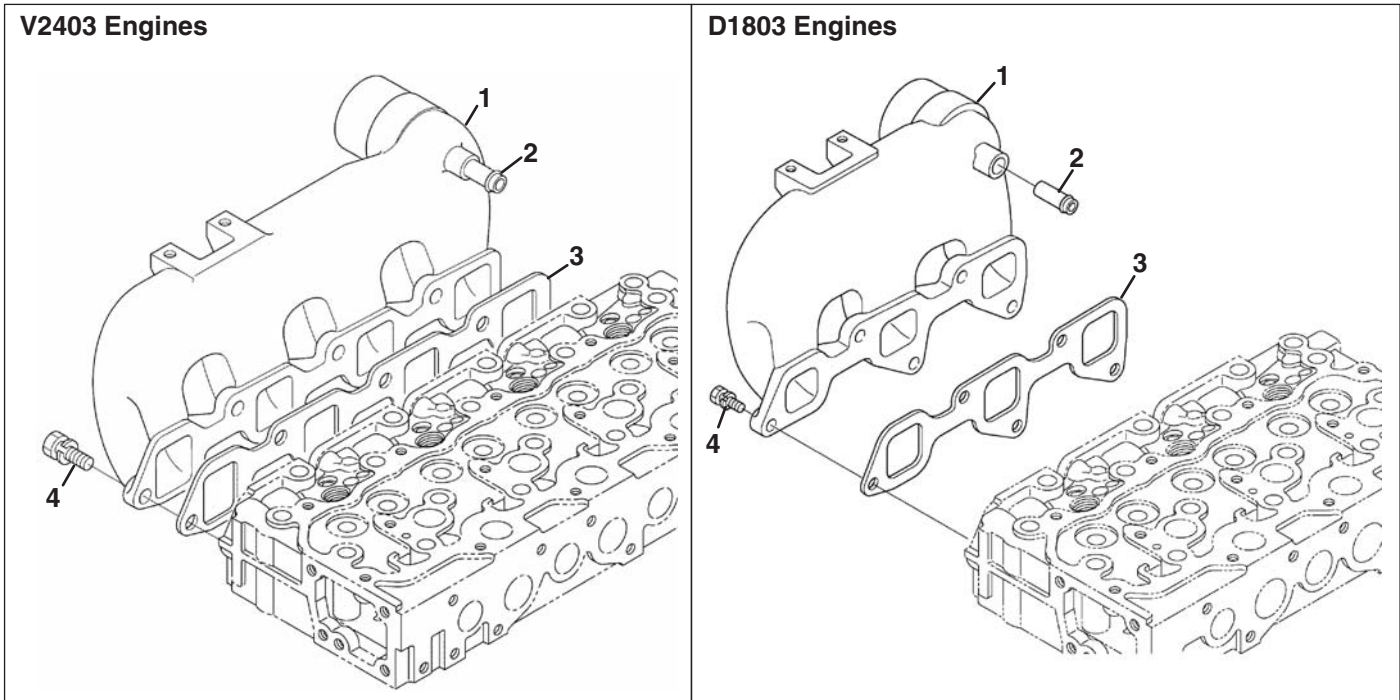
B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

KUBOTA D1803/V2403-M-DI-E3B

Serial No. All

24.1 Inlet Manifold



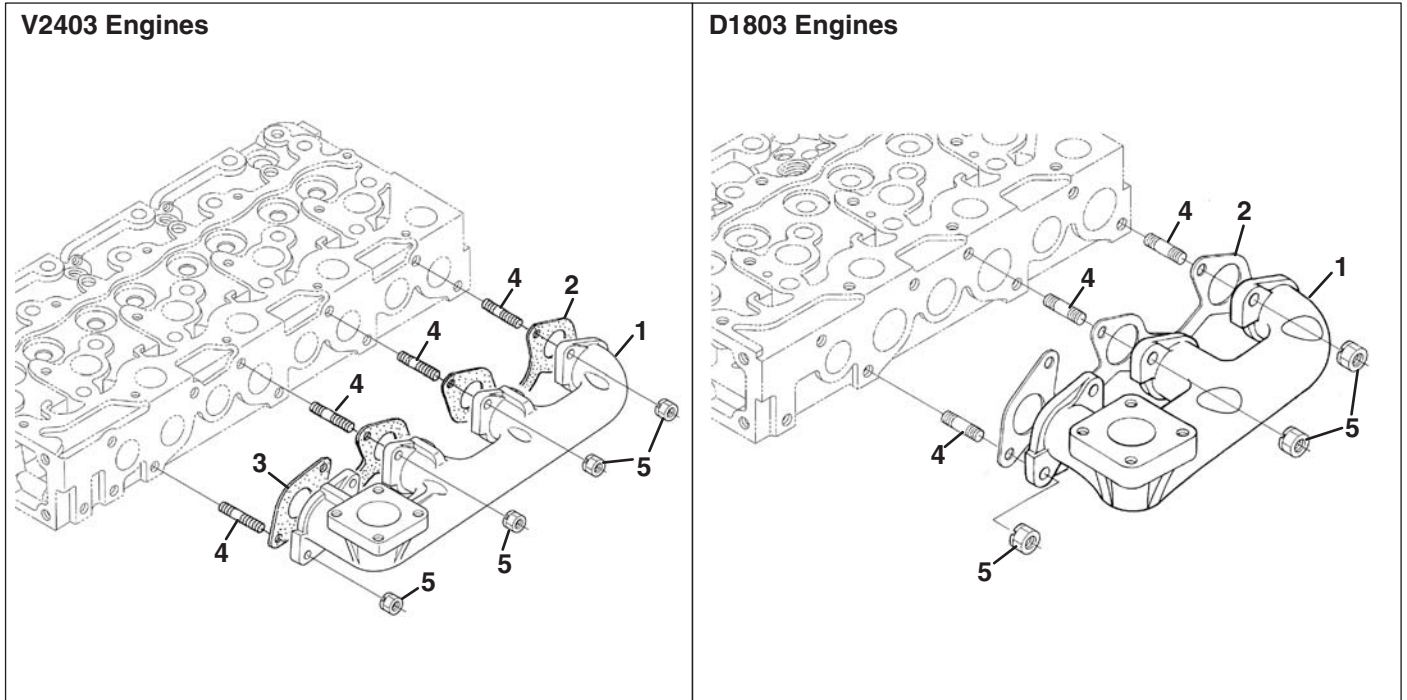
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289830	1	Manifold, Assembly Inlet	
B	1	4362208	1	Manifold, Assembly Inlet	
●	2	4134204	1	• Pipe, Water Return	
A	3	4289819	1	Gasket, Inlet Manifold	
B	3	4362209	1	Gasket, Inlet Manifold	
●	4	550379	5	Bolt, Sems	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

25.1 Exhaust Manifold



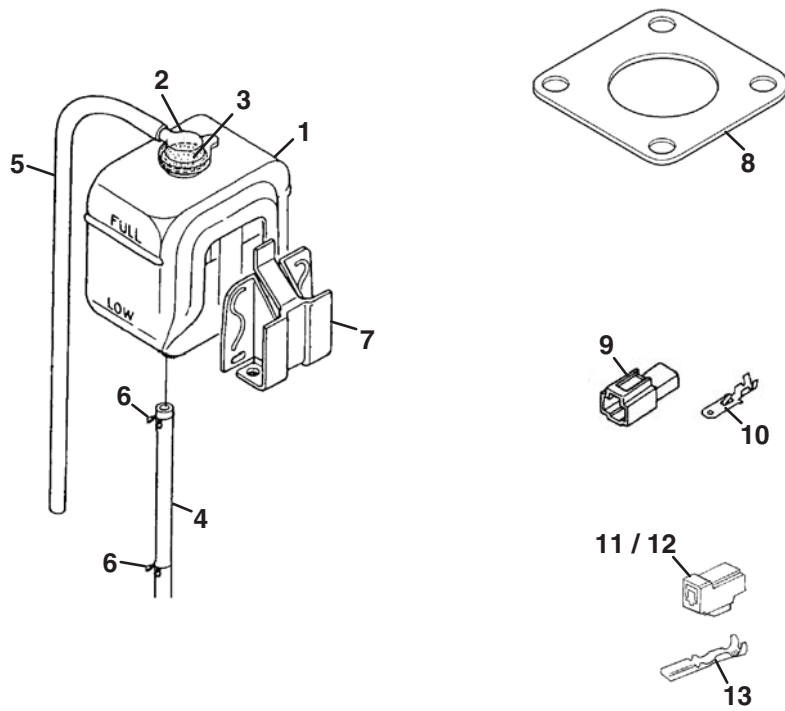
Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
A	1	4289849	1	Manifold, Exhaust	
B	1	4362210	1	Manifold, Exhaust	
A	2	4134392	1	Gasket, Exhaust Manifold	
B	2	4362211	1	Gasket, Exhaust Manifold	
A	3	4134393	1	Gasket, Exhaust Manifold	
●	4	553024	6	Stud	
●	5	4134395	6	Nut With Lock Washer	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

26.1 Miscellaneous



KUBOTA D1803/V2403-M-DI-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	557367	1	Tank, Assy(Reserve)	
●	2	557984	1	Cap	
●	3	2500815	1	Packing	
●	4	557370	1	Pipe, Water Over Flow	
●	5	557371	1	Pipe, Water Over Flow	
●	6	553914	2	Clip, Pipe	
●	7	557374	1	Stay, Reserve Tank	
●	8	4134436	1	Gasket, Muffler	
●	9	4198210	1	Assy Coupler	
●	10	4198231	1	• Terminal	
●	11	4134324	1	Assy Coupler, Soleno.	
●	12	4134325	1	• Connector	
●	13	4134326	2	• Terminal	

A - V2403-M-DI-E3B-TXN-1

B - D1803-M-DI-E3B-TXN-1

● - Used on all engines

INDEX

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2501172.....	32	4134319.....	33	4198130.....	21	4198375.....	25
2809954.....	31	4134321.....	33	4198160.....	7	4198377.....	19
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4111662.....	5	4134329.....	35	4198201.....	21	4281637.....	25
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4134208.....	11	4134364.....	37	4198217.....	21	4289805.....	15
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