



# Engine Parts Manual

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## Kubota Diesel Engine

D722-E3B-TXRN-1 – Jacobsen Groom Master<sup>®</sup> II

D722-E3B-TXRN-3 – Jacobsen Tri-King<sup>®</sup>

D722-E3B-TXRN-4 – Jacobsen Greens King IV<sup>™</sup>

D722-E3B-RNUK-3 – Jacobsen G-Plex<sup>®</sup> III and GP400<sup>™</sup>

 **WARNING**

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

## FOREWORD

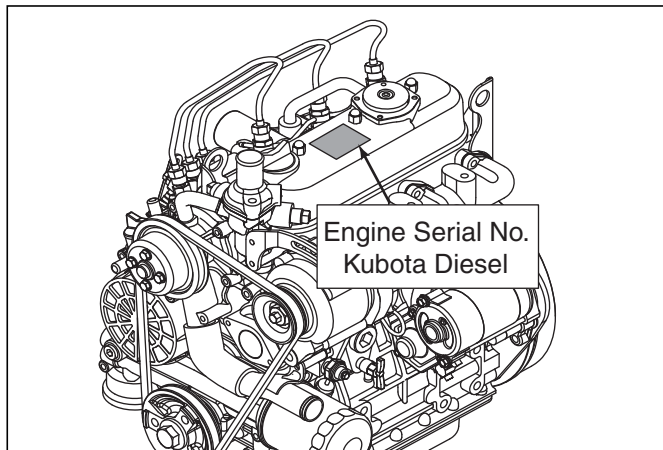
This manual contains a parts list for your Kubota Engine.

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

Record the Engine Serial Number below for easy reference.

Engine Serial Number: \_\_\_\_\_

If additional information is needed, contact your Jacobsen Dealer.



## Suggested Stocking Guide

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

To order any of the following material:

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

2. Explain where and how to make shipment:

UPS

Regular Mail

Overnight

2nd Day

3. Order by the quantity desired, the part number, and the description of the part.

4. Send or bring the order to your authorized Jacobsen Dealer.

## Service Parts

Qty.	Part No.	Description	Qty.	Part No.	Description
	5002644	Oil Filter Cartridge		4209387	Upper Gasket Kit
	4209366	Fuel Filter Element (All except G-Plex)		4209383	Lower Gasket Kit
	4183591	Fuel Filter Element (G-Plex)			
	2811450	V-Belt (Groom Master II)			
	5001951	V-Belt (All except Groom Master II)			

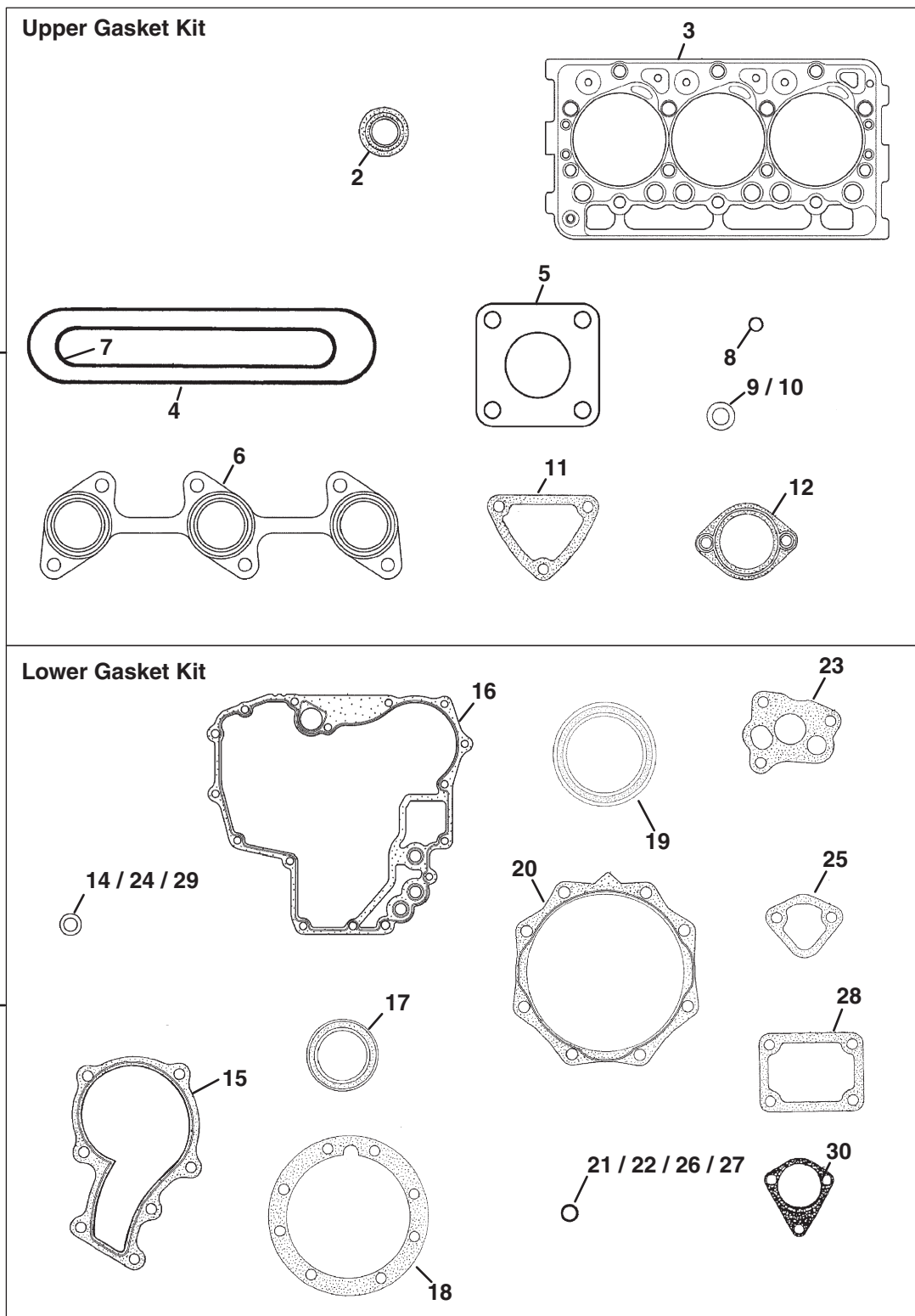
### Proposition 65 Warning

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

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## 1.1 Gasket Kits



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4209387	1	Kit Gasket, Upper	
●	2	5001981	6	• Seal, Valve Stem	See 29.1
●	3	5002017	1	• Gasket, Cylinder Head	See 4.1
●	4	554190	1	• Gasket, In-manifold	See 30.1
BC	5	553020	1	• Gasket, Muffler Na	See 30.1
BCD	6	4209373	1	• Gasket, Ex-manifold	See 30.1
●	7	4145937	1	• Gasket, Head Cover	See 7.1
●	8	2809955	1	• O Ring, Oil Filler Plug	See 7.1
●	9	554051	3	• Gasket, Nozzle Holder	See 18.1
●	10	557352	3	• Seal, Heat	See 18.1
●	11	554082	1	• Gasket, Water Flange	See 25.1
●	12	4145869	1	• Gasket, Thermostat	See 25.1
●	13	4209383	1	Kit Gasket, Lower	
D	14	4183640	1	• Gasket, Oil Drain Plug	See 3.1
●	15	5001962	1	• Gasket, Water Pump	See 26.1
●	16	4209349	1	• Gasket, Gear Case	See 5.1, or 6.1
●	17	557528	1	• Seal, Oil	See 5.1, or 6.1
●	18	5001884	1	• Gasket, Bearing Case	See 9.1
D	19	554222	1	• Seal, Oil	See 9.1
●	20	5001422	1	• Gasket, Case Cover	See 9.1
●	21	4145665	1	• O Ring, Oil Slinger	See 10.1
●	22	553855	1	• O Ring, Oil Filter	See 3.1
●	23	5001864	1	• Gasket, Oil Pump Na	See 2.1
●	24	553143	1	• Gasket	See 14.1
●	25	5001922	1	• Gasket, Fuel Pump	See 19.1
●	26	4146066	1	• O Ring, Speed Control Plate	See 17.1
●	27	4138008	1	• O Ring, Lever Shaft	See 17.1
●	28	554073	1	• Gasket, Speed Control Plate	See 17.1
●	29	553143	2	• Gasket	See 18.1
D	30	5001877	1	• Gasket, H/M Gear Case	See 5.1

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

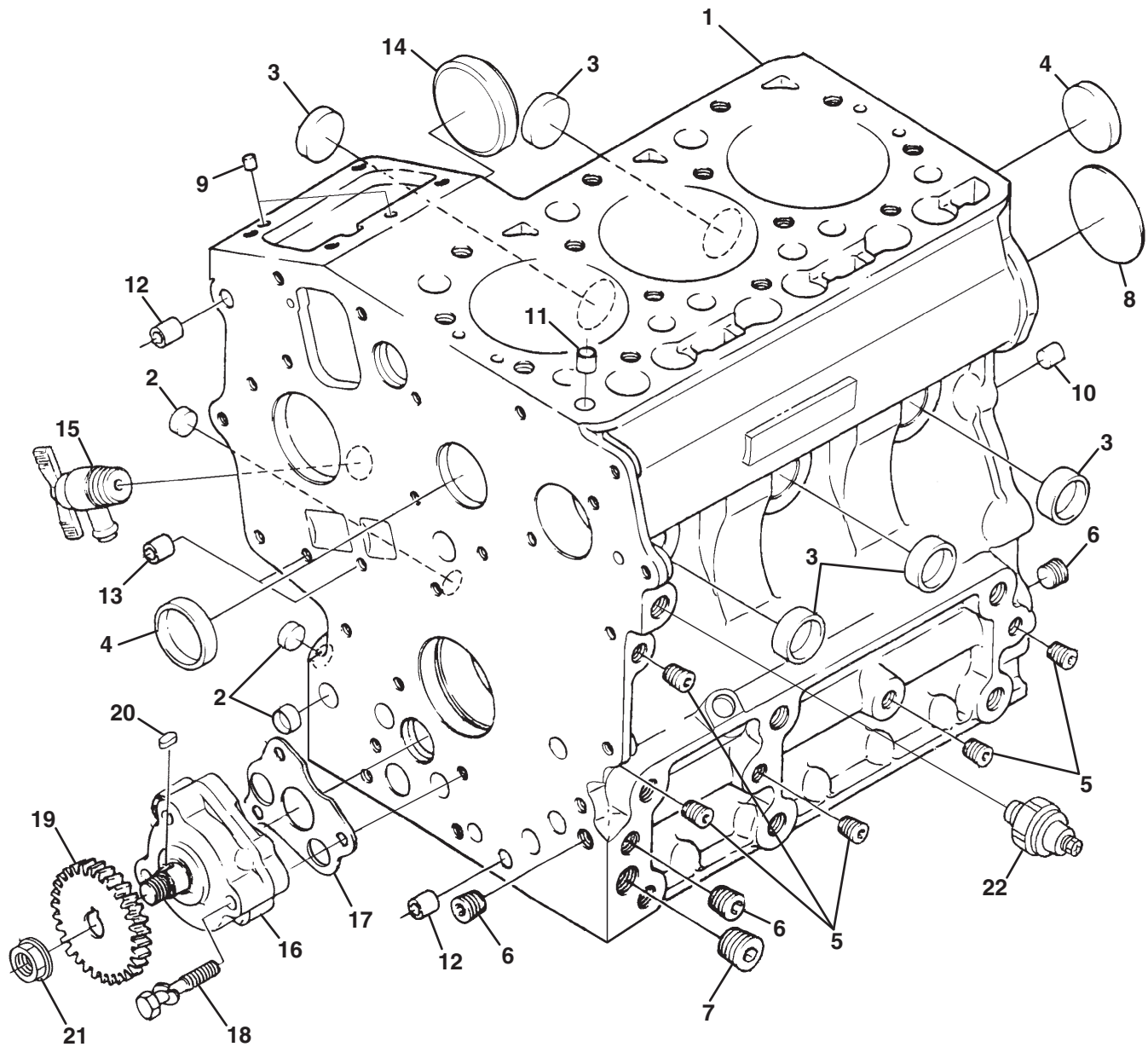
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 2.1 Crankcase



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
<b>A</b>	1	4209355	1	Comp. Crankcase	
<b>BC</b>	1	4209376	1	Comp. Crankcase	
<b>D</b>	1	4145841	1	Comp. Crankcase	
●	2	2810931	3	• Cap, Sealing	
●	3	5001861	5	• Cap, Sealing	
●	4	553911	2	• Plug	
●	5	552978	5	• Plug	
●	6	552950	3	• Plug	
●	7	552951	1	• Plug	
●	8	4145733	1	• Plug, Expansion	
●	9	553857	2	• Pin, Straight	
●	10	550424	2	• Pin, Straight	
●	11	552957	1	• Pin, Pipe	
●	12	550543	2	• Pin, Pipe	
<b>ABC</b>	13	550543	2	• Pin, Pipe	
<b>D</b>	13	554220	2	• Pin, Pipe	
●	14	5001863	1	• Cover, Fuel Camshaft	
●	15	554084	1	Assy Cock, Drain	
●	16	554012	1	Assy Pump, Oil	
●	17	5001864	1	Gasket, Oil Pump Na	Included in Lower Gasket Kit
●	18	554098	3	Bolt	
●	19	554014	1	Gear, Oil Pump Drive	
●	20	594372	1	Key, Feather	
●	21	5001865	1	Nut, Flange	
●	22	554018	1	Switch, Oil	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

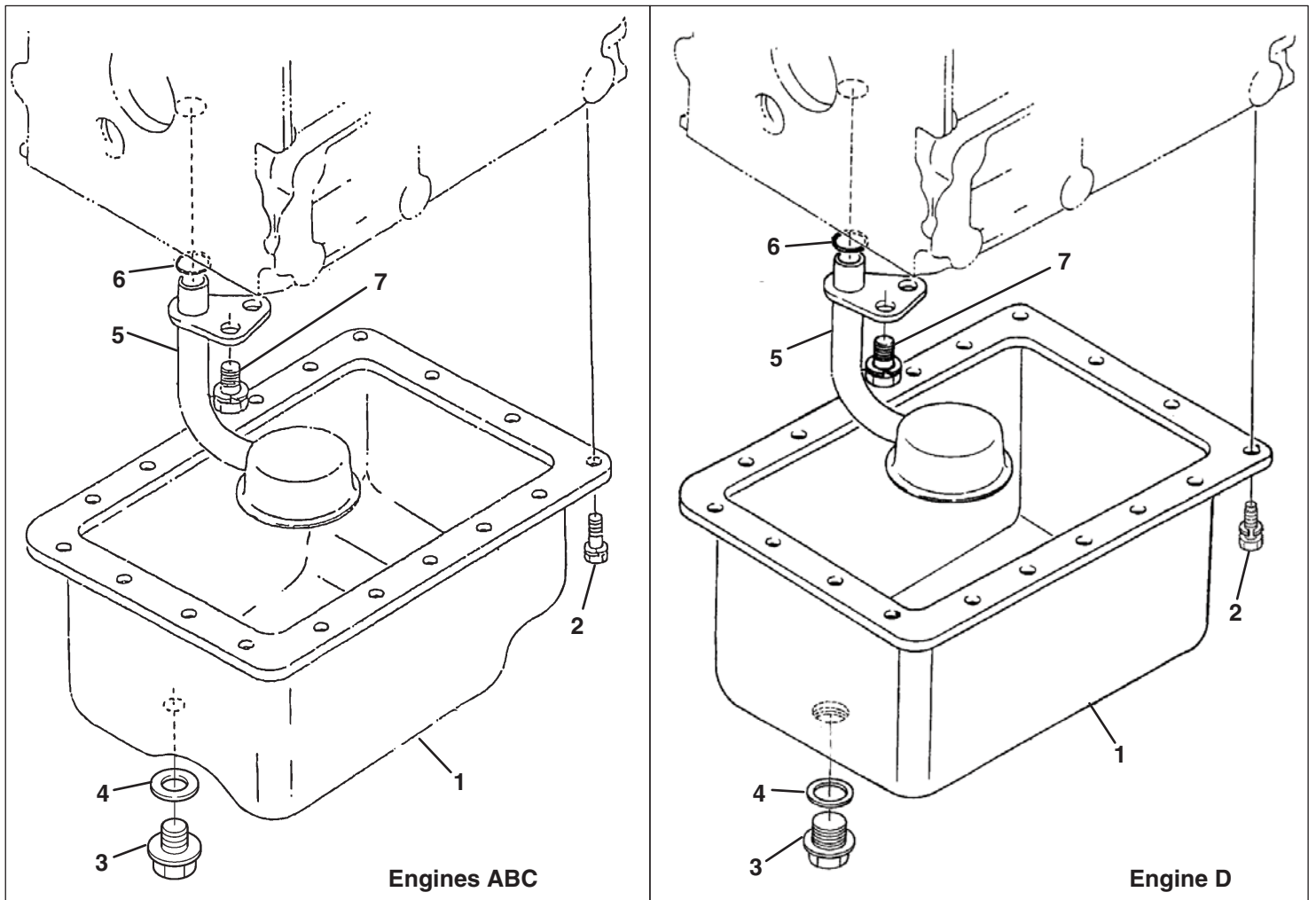
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 3.1 Oil Pan





# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ABC	1	554209	1	Comp. Oil Pan	
D	1	5001866	1	Comp. Oil Pan	
ABC	2	550361	18	Bolt	
D	2	4165443	18	Bolt	
ABC	3	4177260	1	Plug, Drain	
D	3	4183640	1	Plug, Drain	
ABC	4	2500811	1	Gasket	
D	4	4183640	1	Gasket	Included in Lower Gasket Kit
●	5	5001868	1	Filter, Oil	
●	6	553855	1	O Ring	Included in Lower Gasket Kit
●	7	594330	1	Bolt	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

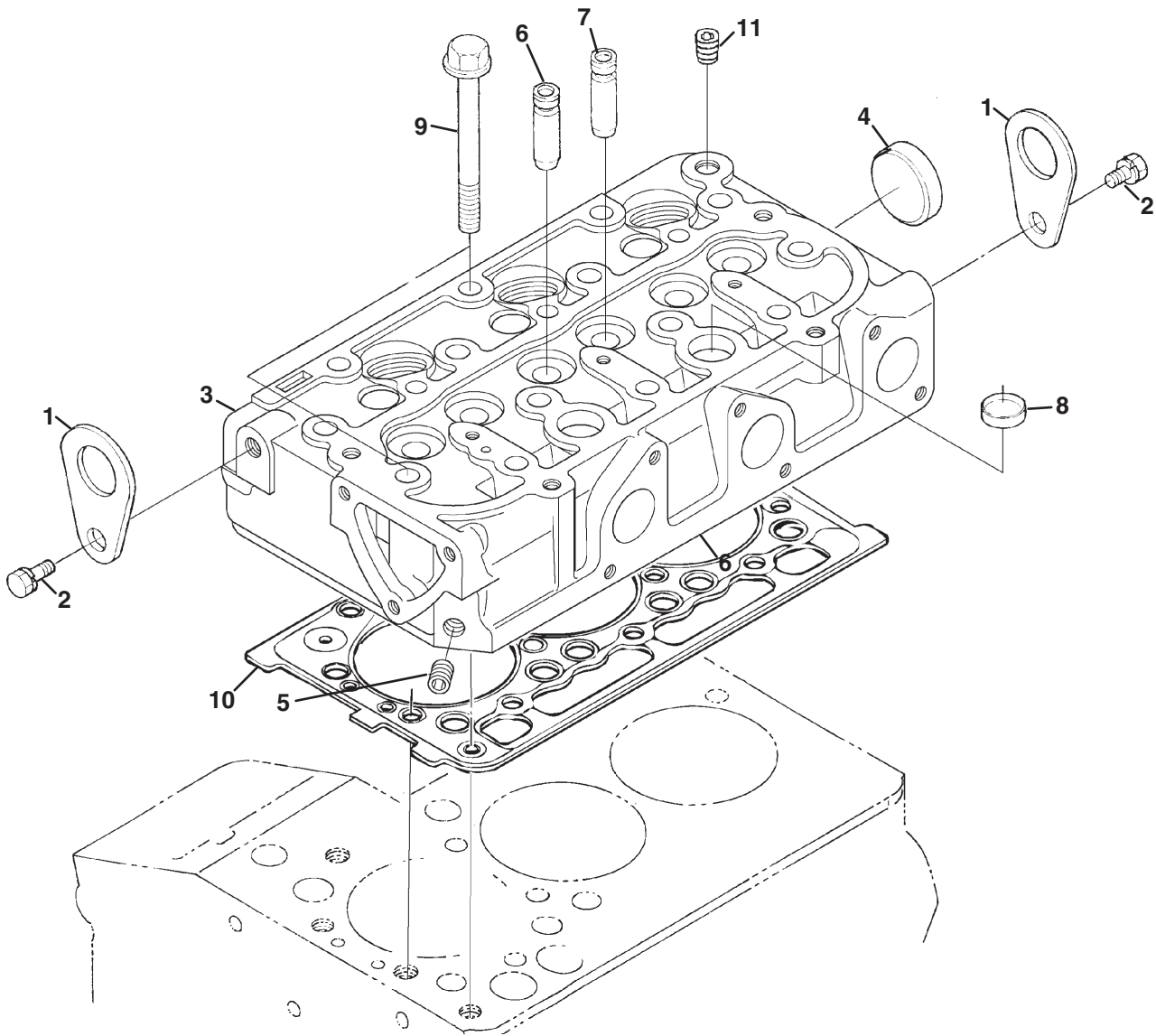
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 4.1 Cylinder Head



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	553934	2	Hook, Engine	
●	2	550376	2	Bolt	
ABC	3	4209388	1	Comp. Cylinder Head	Includes Item 11          Included in Upper Gasket Kit
D	3	4209377	1	Comp. Cylinder Head	
●	4	550673	1	• Cap, Sealing	
●	5	552978	1	• Plug	
●	6	553953	3	• Guide, Inlet Valve	
●	7	553954	3	• Guide, Exhaust Valve	
●	8	2500888	2	• Cap, Sealing	
●	9	553867	14	Bolt, Cylinder Head	
●	10	5002017	1	Gasket, Cylinder Head	
●	11	554115	1	Plug	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

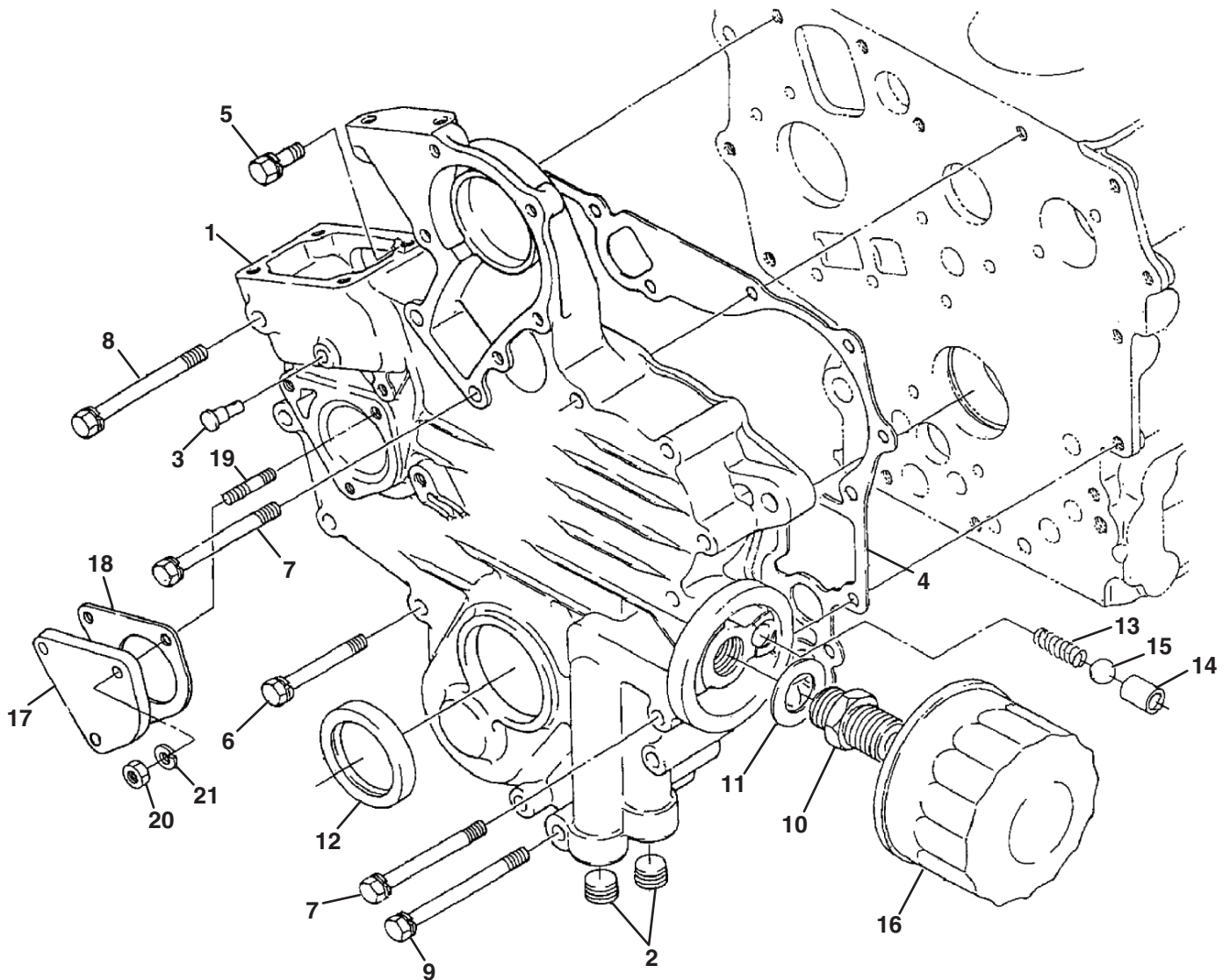
> Change from previous revision

# KUBOTA D722-E3B

Serial No. All

## 5.1 Gearcase

Groom Master II, Greens King IV, and G-Plex Engines



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
<b>AC</b>	1	4178260	1	Comp. Case, Gear	
<b>D</b>	1	4209359	1	Comp. Case, Gear	
<b>ACD</b>	2	552951	2	• Plug	
<b>ACD</b>	3	554069	1	• Pin, Start Spring	
<b>ACD</b>	4	4209349	1	Gasket, Gear Case	Included in Lower Gasket Kit
<b>ACD</b>	5	550363	1	Bolt	
<b>ACD</b>	6	5001875	8	Bolt	
<b>ACD</b>	7	554094	5	Bolt	
<b>ACD</b>	8	5001876	1	Bolt	
<b>ACD</b>	9	834259	1	Bolt	
<b>ACD</b>	10	2500892	1	Joint, Pipe	
<b>ACD</b>	11	554107	1	Washer, Plain	
<b>ACD</b>	12	557528	1	Seal, Oil	Included in Lower Gasket Kit
<b>ACD</b>	13	5001873	1	Spring	
<b>ACD</b>	14	554016	1	Seat, Valve	
<b>ACD</b>	15	553862	1	Ball	
<b>ACD</b>	16	5002644	1	Cartridge, Oil Filter	
<b>D</b>	17	554237	1	Cover	
<b>D</b>	18	5001877	1	Gasket, H/M Gear Case	Included in Lower Gasket Kit
<b>D</b>	19	553003	3	Stud	
<b>D</b>	20	550394	3	Nut	
<b>D</b>	21	550408	3	Washer, Spring	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

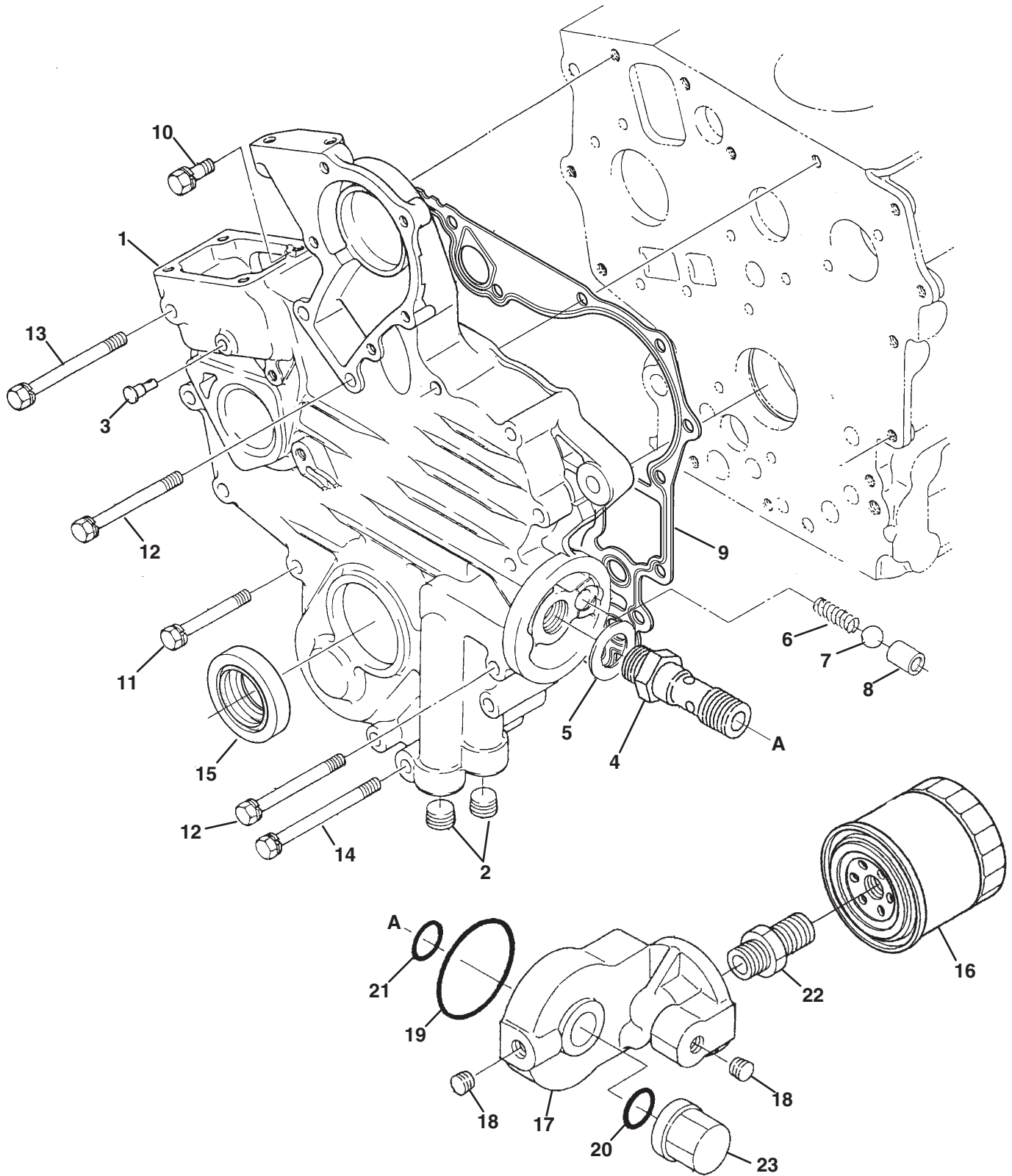
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

**6.1 Gearcase**  
Tri-King Engines



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
<b>B</b>	1	4178260	1	Comp. Case, Gear	
<b>B</b>	2	552951	2	• Plug	
<b>B</b>	3	554069	1	• Pin, Start Spring	
<b>B</b>	4	557527	1	Joint, Pipe	
<b>B</b>	5	554107	1	Washer, Plain	
<b>B</b>	6	5001873	1	Spring	
<b>B</b>	7	554016	1	Seat, Valve	
<b>B</b>	8	553862	1	Ball	
<b>B</b>	9	4209349	1	Gasket, Gear Case	Included in Lower Gasket Kit
<b>B</b>	10	550363	1	Bolt	
<b>B</b>	11	5001875	8	Bolt	
<b>B</b>	12	554094	5	Bolt	
<b>B</b>	13	5001876	1	Bolt	
<b>B</b>	14	834259	1	Bolt	
<b>B</b>	15	557528	1	Seal, Oil	Included in Lower Gasket Kit
<b>B</b>	16	5002644	1	Cartridge, Oil Filter	
<b>B</b>	17	557529	1	Filter Adapter	
<b>B</b>	18	5001872	2	Plug	
<b>B</b>	19	5002751	1	O Ring	
<b>B</b>	20	557532	1	O Ring	
<b>B</b>	21	4145685	1	O Ring	
<b>B</b>	22	4145842	1	Joint, Pipe	
<b>B</b>	23	557534	1	Nut, Pipe Joint	

**A** - Groom Master II (D722-E3B-TXRN-1)

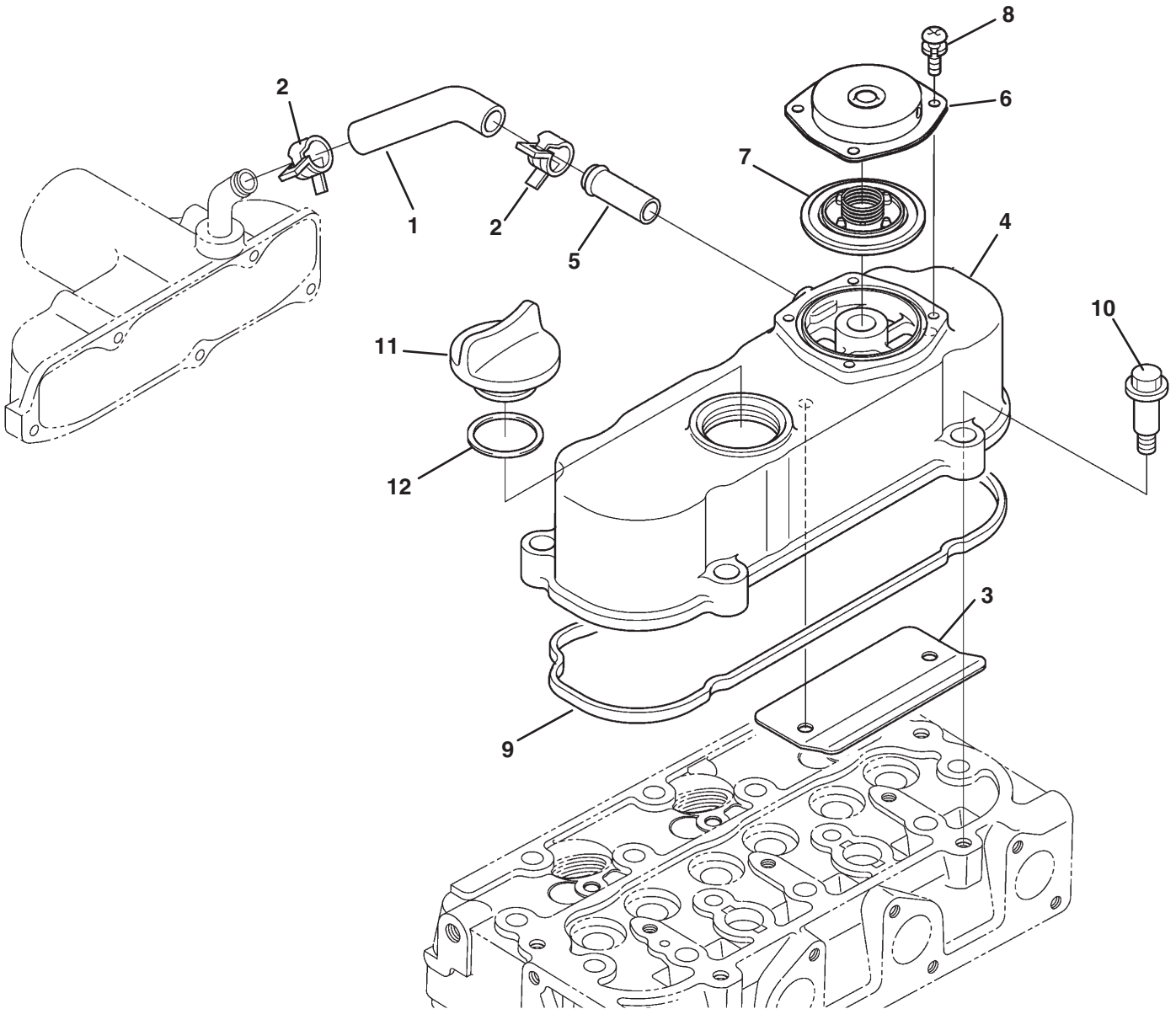
**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision





# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4145917	1	Tube, Breather	
●	2	4145691	2	Clamp, Hose	
●		4145930	1	Assy Cover, Cyl. Head	
●	3	N/S	1	• Plate, Breather	
●	4	4209384	1	• Cover, Cyl. Head	
●	5	557975	1	• Pipe, Water Return	
●	6	4145911	1	• Cover, Breather	
●	7	4145912	1	• Comp. Valve, Breather	
●	8	550400	4	• Screw, With Washer	
●	9	4145937	1	• Gasket, Head Cover	Included in Upper Gasket Kit
●	10	4134209	4	Bolt	
●	11	4145944	1	Plug, Oil Filler	
●	12	2809955	1	O Ring	Included in Upper Gasket Kit

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

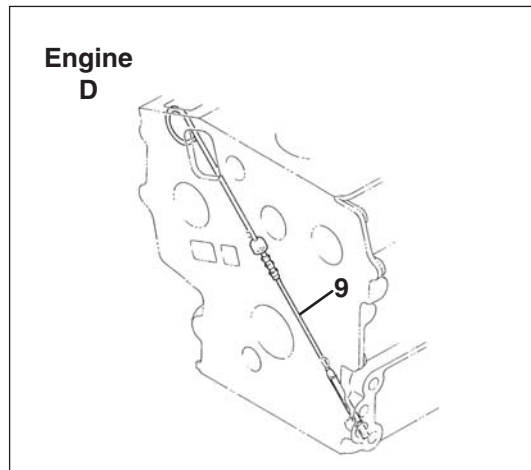
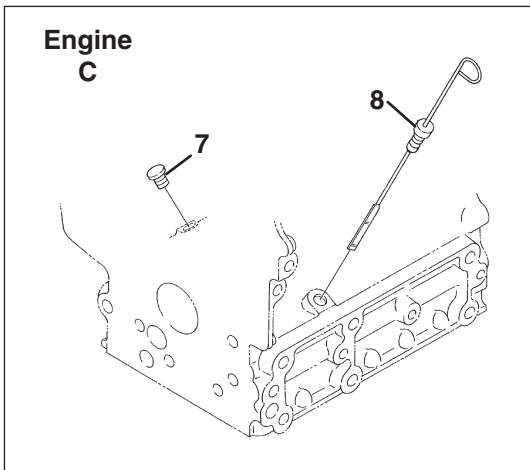
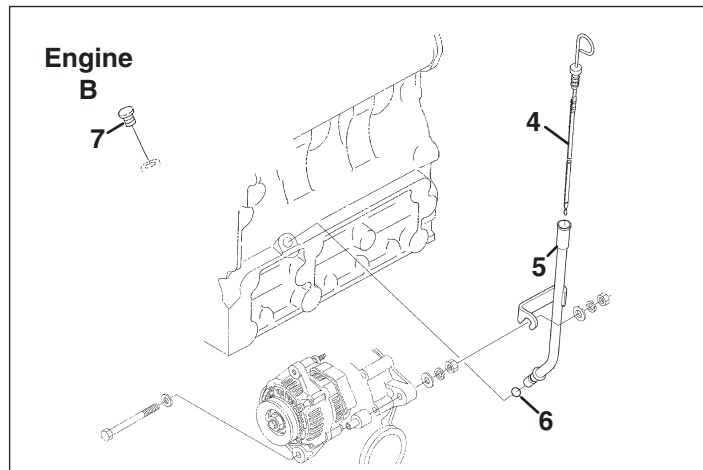
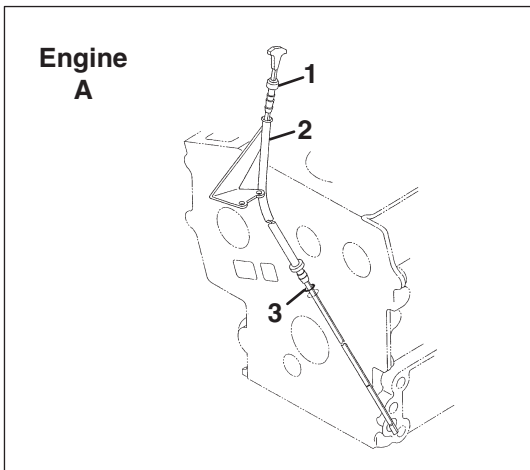
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 8.1 Dipstick and Guide



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
<b>A</b>	1	5002031	1	Gauge, Oil	
<b>A</b>	2	5002032	1	Assy Guide, Oil Gauge	
<b>A</b>	3	5002033	1	O Ring	
<b>B</b>	4	5002042	1	Gauge, Oil	
<b>B</b>	5	4209374	1	Guide, Oil Gauge	
<b>B</b>	6	5002033	1	O Ring	
<b>BC</b>	7	2812013	1	Plug, Oil Gauge	
<b>C</b>	8	2810637	1	Gauge, Oil	
<b>D</b>	9	2811963	1	Gauge, Oil	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

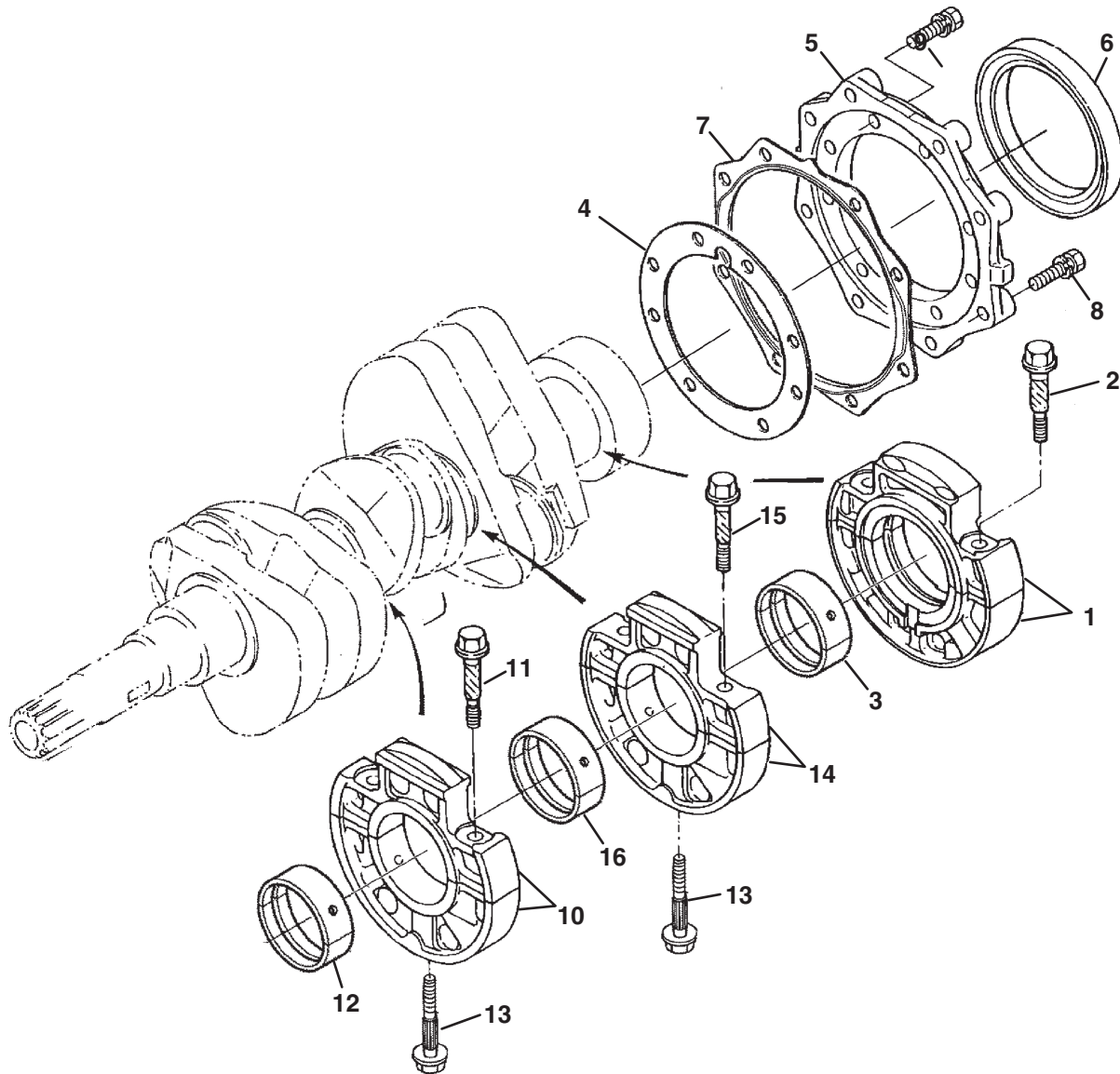
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 9.1 Main Bearing Case



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4209347	1	Assy Brg. Case, Wheel	
●	2	553940	2	• Bolt, Bearing Case	
▼	●	3	1	• Metal, Crankshaft M	STD Set
■	●	3	1	Metal, Crankshaft	-0.20 mm Set
◆	●	3	1	Metal, Crankshaft	-0.40 mm Set
●	4	5001884	1	Gasket, Bearing Case	Included in Lower Gasket Kit
●	5	553942	1	Cover, Bearing Case	
ABC	6	4209375	1	Seal, Oil	
D	6	554222	1	Seal, Oil	Included in Lower Gasket Kit
●	7	5001422	1	Gasket, Case Cover	Included in Lower Gasket Kit
●	8	550364	8	Bolt	
●	9	553840	8	Bolt	
●	10	4209345	1	Assy Brg. Case, Main	
●	11	553940	2	• Bolt, Bearing Case	
▼	●	12	1	• Metal, Crankshaft	STD Set
■	●	12	2	Metal, Crankshaft	-0.20 mm Set
◆	●	12	2	Metal, Crankshaft	-0.40 mm Set
●	13	557536	2	Bolt, Bearing Case	
●	14	4209346	1	Assy Brg. Case, Main	
●	15	553940	2	• Bolt, Bearing Case	
▼	●	16	1	• Metal, Crankshaft	STD Set
■	●	16	2	Metal, Crankshaft	-0.20 mm Set
◆	●	16	2	Metal, Crankshaft	-0.40 mm Set
▼	Included in STD Engine Metal Kit, See 10.1				
■	Included in -0.20 mm Engine Metal Kit, See 10.1				
◆	Included in -0.40 mm Engine Metal Kit, See 10.1				

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

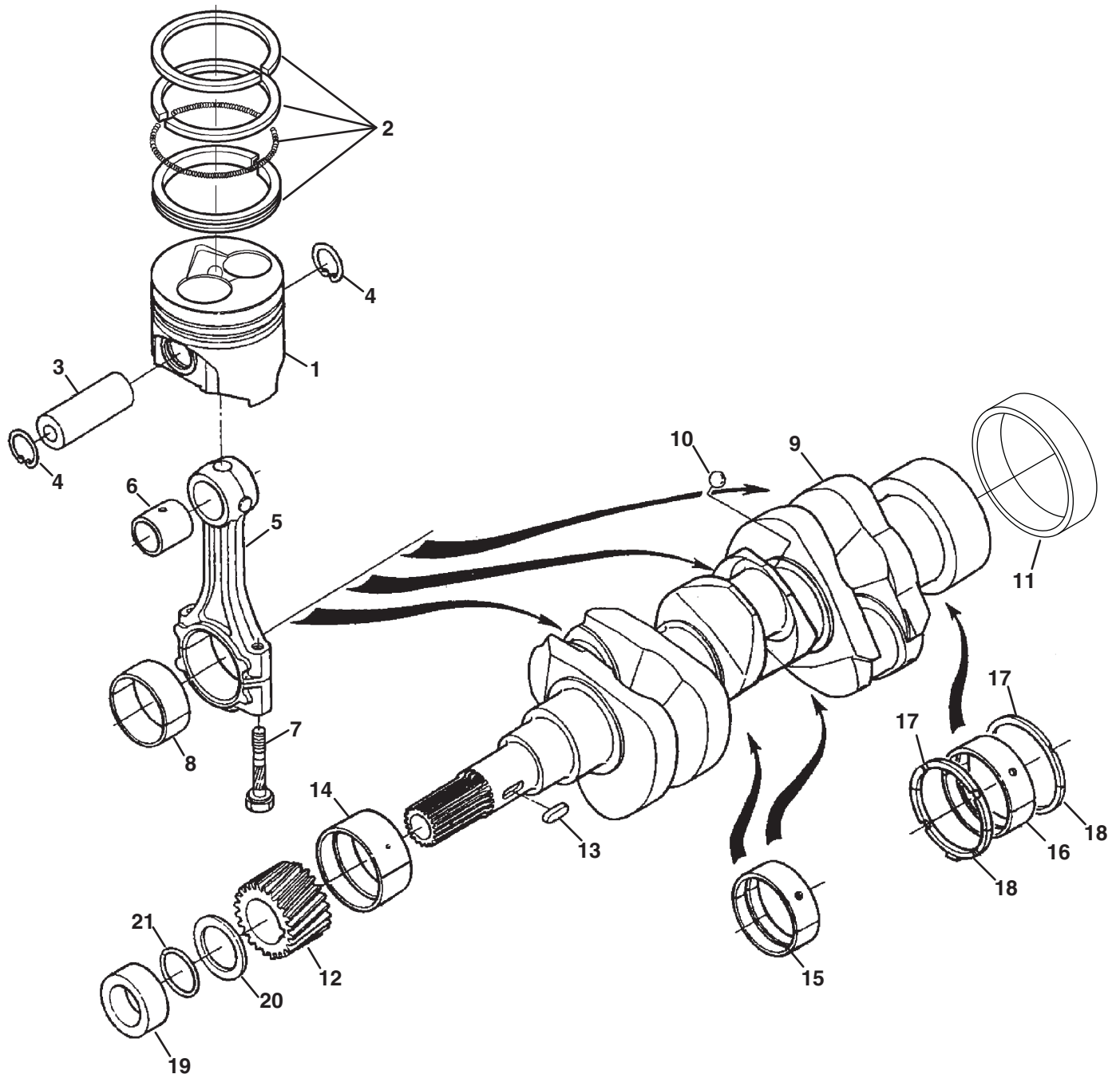
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 10.1 Piston and Crankshaft



# KUBOTA D722-E3B

	Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
❖	●	1	5002015	3	Piston	STD
★	●	1	2810927	3	Piston	+0.50 mm
❖	●	2	2810925	3	Assy Piston Ring	STD
★	●	2	4145870	3	Assy Piston Ring	+0.50 mm
❖★	●	3	4145884	3	Pin, Piston	
❖★	●	4	550597	6	Cir Clip, Piston Pin	
	●	5	5001902	3	Assy Rod, Connecting	
❖★	●	6	5001903	3	• Bush, Piston Pin	
	●	7	553974	6	• Bolt, Connecting Rod	
▲	●	8	5001904	3	• Metal, Crankpin M	STD Set
■	●	8	5001905	1	Metal, Crankpin	-0.20 mm Set
◆	●	8	5001906	1	Metal, Crankpin	-0.40 mm Set
	●	9	4145873	1	Comp. Crankshaft	
	●	10	5001908	3	• Ball	
	D	11	554221	1	Sleeve, Crankshaft	
	●	12	554007	1	Gear, Crank	
	●	13	550428	1	Key, Feather	
▲	●	14	553980	1	Metal, Crankshaft	STD Set
■	●	14	5001909	1	Metal, Crankshaft	-0.20 mm Set
◆	●	14	5001910	1	Metal, Crankshaft	-0.40 mm Set
▲	●	15	5001911	2	Metal, Crankshaft	STD Set
■	●	15	5001912	2	Metal, Crankshaft	-0.20 mm Set
◆	●	15	5001913	2	Metal, Crankshaft	-0.40 mm Set
▲	●	16	553981	1	Metal, Crankshaft M	STD Set
■	●	16	5001915	1	Metal, Crankshaft	-0.20 mm Set
◆	●	16	5001916	1	Metal, Crankshaft	-0.40 mm Set
▲	●	17	550606	2	Metal, Side	STD Set
■	●	17	4145725	2	Metal, Side	+0.20 mm Set
◆	●	17	4145726	2	Metal, Side	+0.40 mm Set
▲	●	18	550607	2	Metal, Side	STD Set
■	●	18	4145727	2	Metal, Side	+0.20 mm Set
◆	●	18	4145728	2	Metal, Side	+0.40 mm Set
		19	553978	1	Collar, Crankshaft	
		20	557553	1	Slinger, Oil	
		21	4145665	1	O Ring	Included in Lower Gasket Kit
❖	●		4209350	1	Kit, Piston-Ring	STD
★	●		4209351	1	Kit, Piston-Ring	+0.50 mm
▲	●		4209360	1	Kit, Engine Metal	STD Set
■	●		4209361	1	Kit, Engine Metal	-0.20 mm/+0.20 mm Set
◆	●		4209362	1	Kit, Engine Metal	-0.40 mm/+0.40 mm Set

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

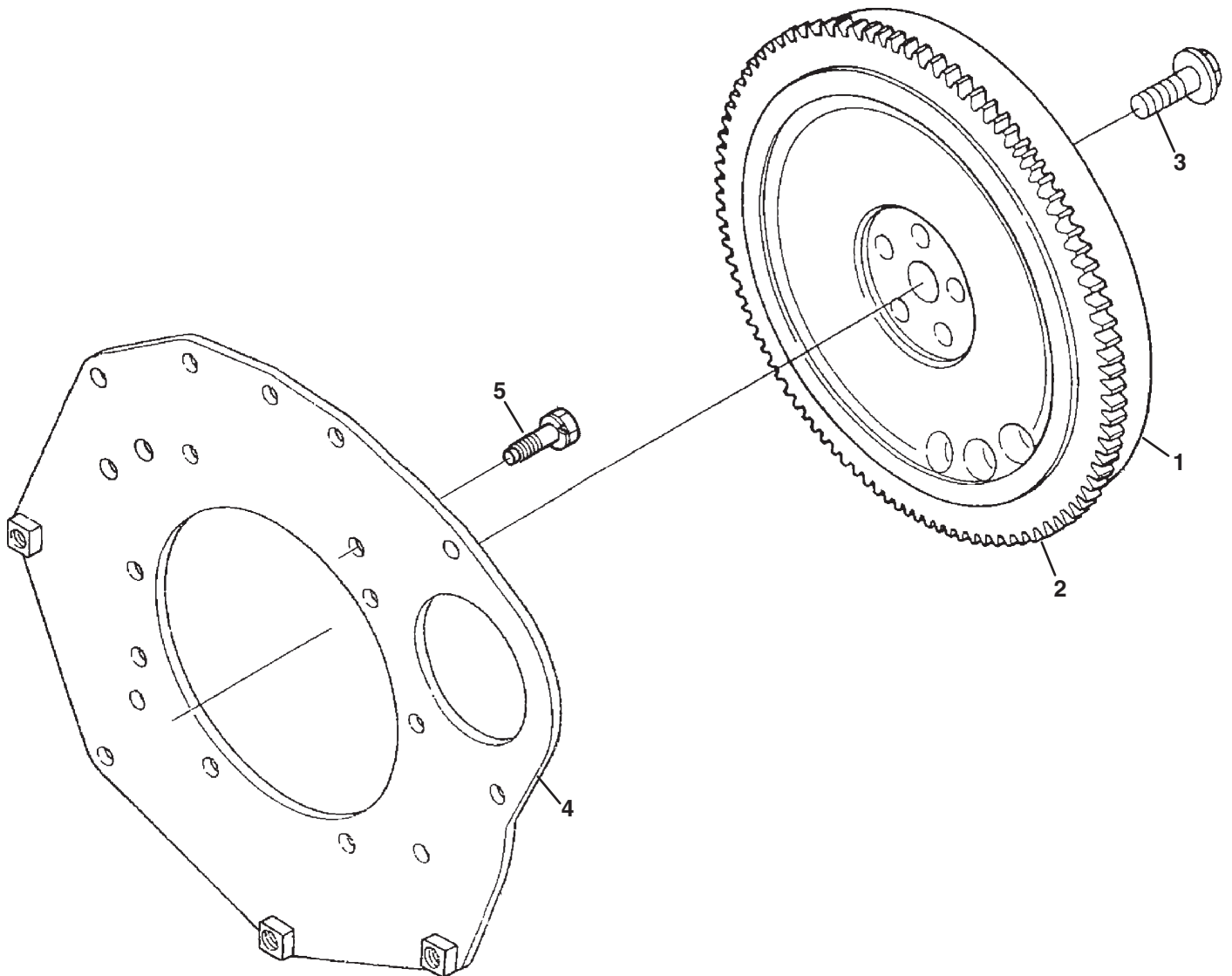
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 11.1 Flywheel





# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5001917	1	Comp. Flywheel	
●	2	5001918	1	• Gear, Ring	
●	3	557555	5	Bolt, Flywheel	
●	4	5001919	1	Plate, Rear End	
●	5	4145885	10	Bolt	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5001889	6	Tappet	
●	2	5001890	6	Push Rod	
●	3	4145880	1	Assy Camshaft	
●	4	2500953	1	• Ball	
●	5	553996	1	• Stopper, Camshaft	
●	6	4145881	1	• Gear, Cam	
●	7	553860	1	• Key, Feather	
●	8	550360	2	Bolt	
●	9	550361	3	Bolt	
●	10	5001894	1	Comp. Gear, Idle	
●	11	5001895	1	Bush	
●	12	554218	1	Collar, Idle Gear	
●	13	554216	1	Ring, Snap	
●	14	554215	1	Shaft, Idle Gear	

**A** - Groom Master II (D722-E3B-TXRN-1)

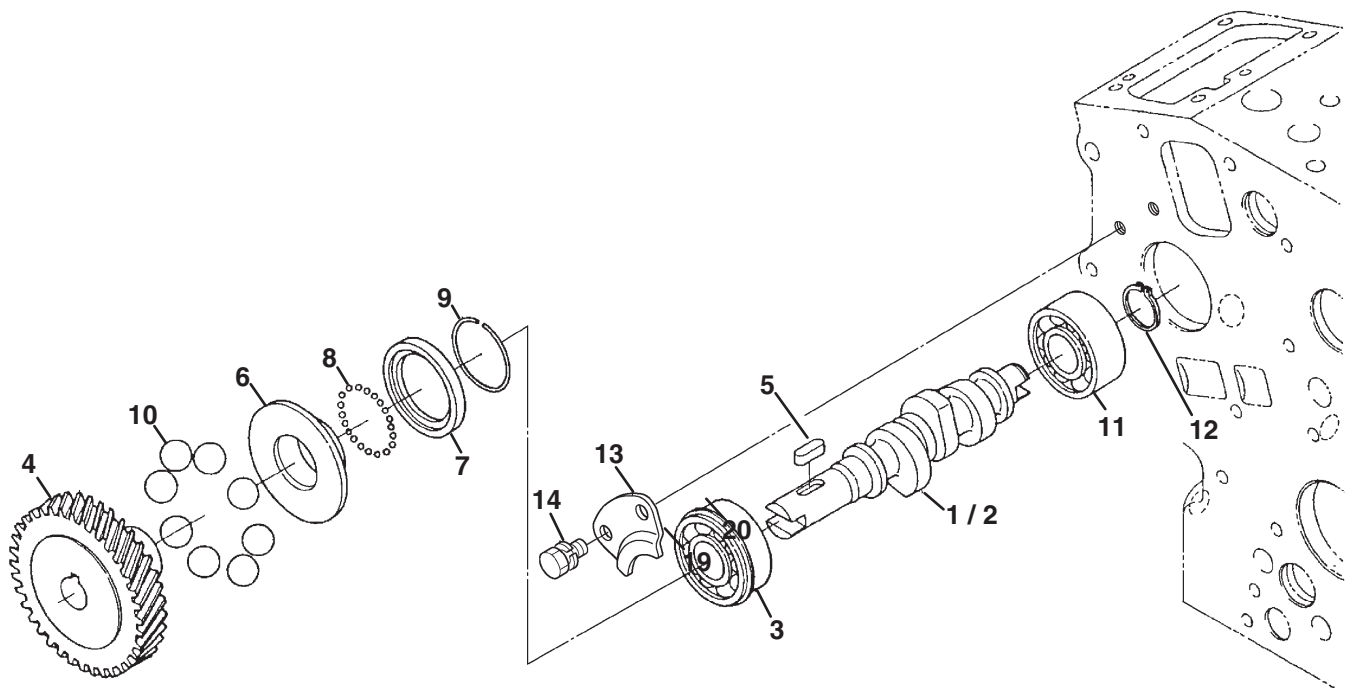
**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5001920	1	Assy Camshaft, Fuel	
●	2	554213	1	• Camshaft, Fuel	
●	3	4138061	1	• Bearing, Ball	
●	4	5001921	1	• Gear, Injection Pump	
●	5	550428	1	• Key, Feather	
●	6	554062	1	• Sleeve, Governor	
●	7	554063	1	• Case, Governor Ball	
●	8	553861	32	• Ball	
●	9	834485	1	• Cir-clip, Gov. Sleeve	
●	10	550434	8	• Ball	
●	11	4145886	1	Bearing, Ball	
●	12	553854	1	Cir Clip, External	
●	13	553997	1	Stopper, Fuel. C/shaft	
●	14	550360	2	Bolt	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

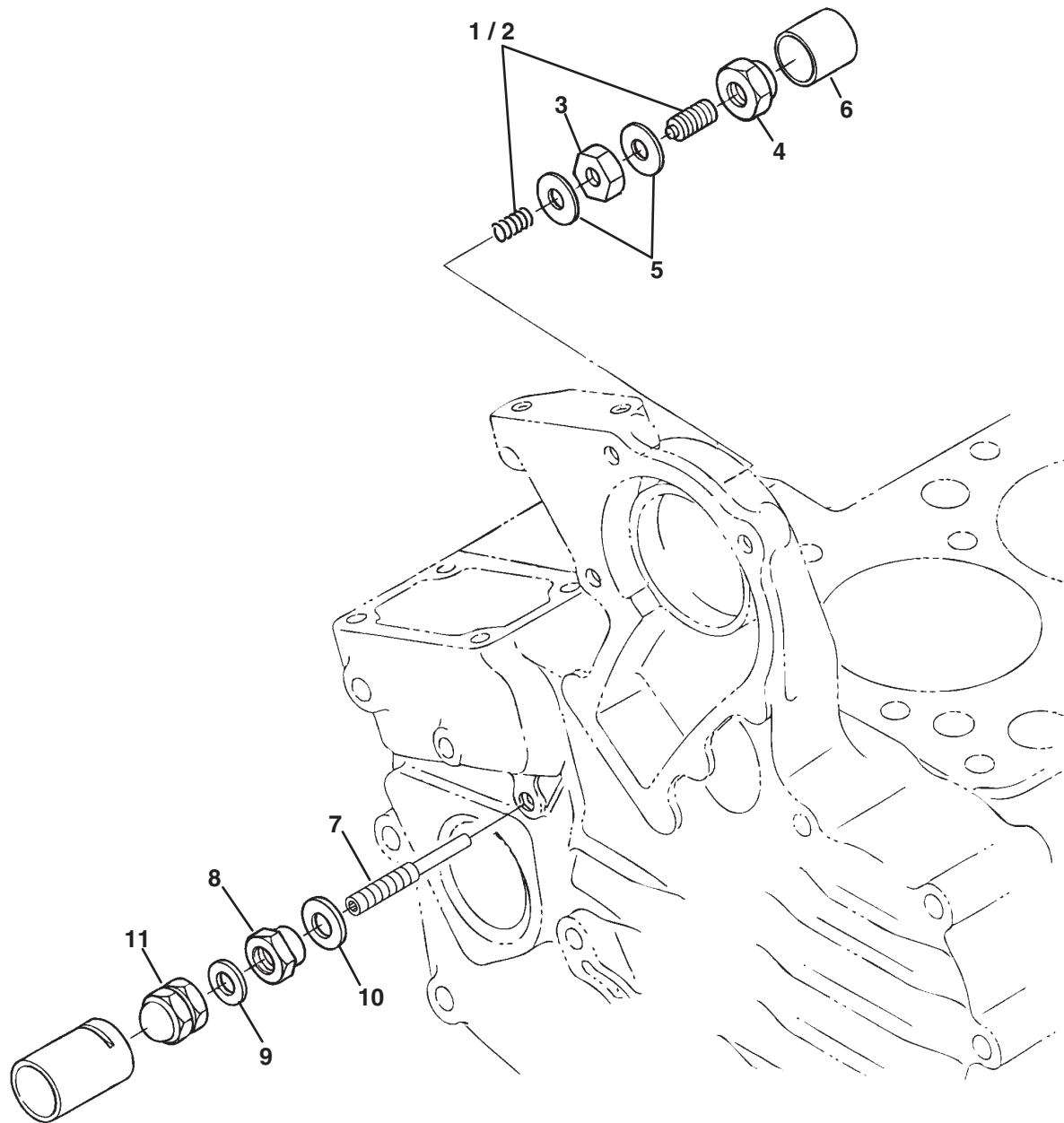
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 14.1 Idle Apparatus



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5001923	1	Assy Apparatus, Idle	
●	2	5001924	1	Assy Bolt, Adjustment	
●	3	4138093	1	Nut	
●	4	554059	1	Nut	
●	5	552958	2	Gasket	
●	6	4138096	1	Cap	
●	7	554058	1	Bolt, Adjusting	
●	8	4138090	1	Nut, Lock	
●	9	553143	1	Gasket	Included in Lower Gasket Kit
●	10	4145906	1	Gasket	
●	11	554105	1	Nut	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

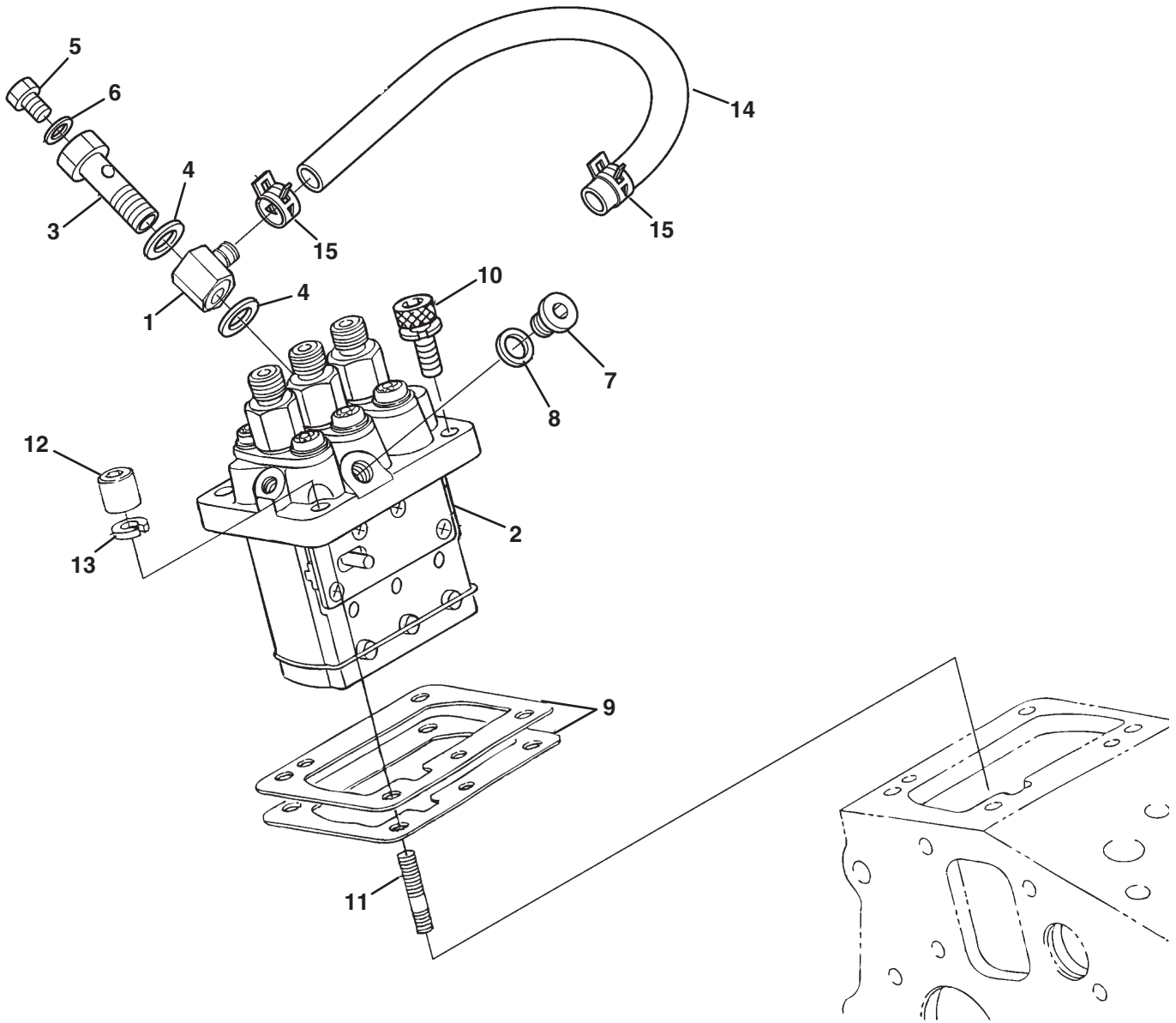
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 15.1 Injection Pump





Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	554112	1	Joint	
●	2	5001925	1	Assy Pump, Injection	
●	3	554035	1	• Screw, Hollow	
●	4	554116	2	• Gasket	
●	5	554036	1	• Screw	
●	6	554117	1	• Gasket	
●	7	5001217	1	• Plug	
●	8	557584	1	• Gasket	
●	9	4183583	1	Shim, Injection Pump	0.175 mm
●	9	554202	1	Shim, Injection Pump	0.200 mm
●	9	5000886	1	Shim, Injection Pump	0.250 mm
●	9	5001118	1	Shim, Injection Pump	0.300 mm
●	9	4183584	1	Shim, Injection Pump	0.350 mm
●	10	4206382	2	Bolt, Hex-soc-hd	
●	11	554099	2	Stud	
●	12	554104	2	Nut	
●	13	550408	2	Washer, Spring	
<b>BC</b>	14	4146067	1	Pipe, Fuel	
<b>BC</b>	15	2501029	2	• Clip, Pipe	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

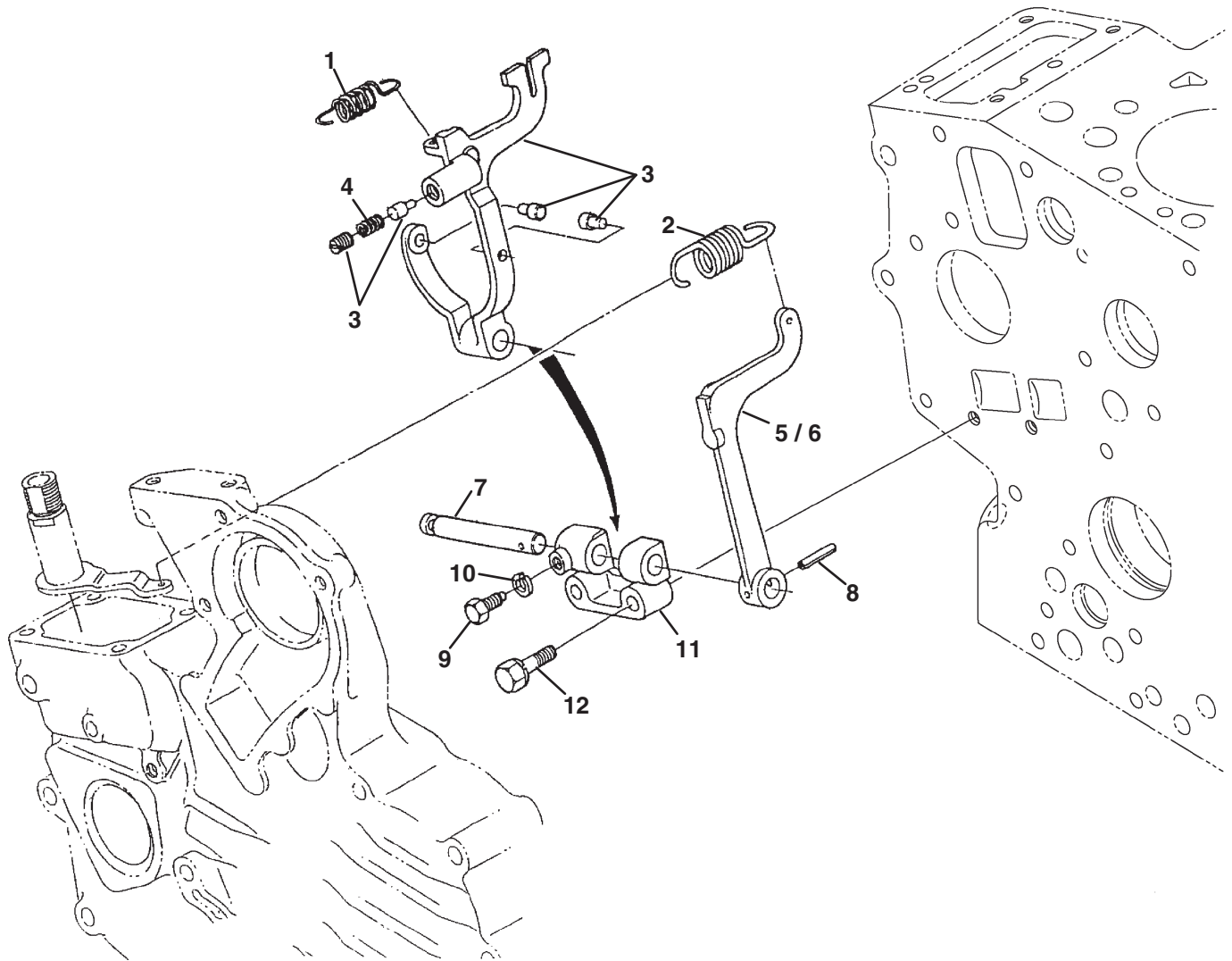
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 16.1 Governor



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
<b>ABC</b>	1	554070	1	Spring, Start	
<b>D</b>	1	2810928	1	Spring, Start	
<b>A</b>	2	4209358	1	Spring, Governor	
<b>BCE</b>	2	5001930	1	Spring, Governor	
<b>A</b>	3	5001931	1	Assy Lever, Fork	
<b>BCE</b>	3	2810638	1	Assy Lever, Fork	
<b>A</b>	4	4145752	1	• Spring	
<b>BCE</b>	4	4145826	1	• Spring	
●	5	554064	1	• Assy Lever, Fork	
●	6	554066	1	• • Lever, Fork	
●	7	554067	1	• • Shaft, Fork Lever	
●	8	553858	1	• • Pin, Spring	
●	9	4145731	1	• Bolt	
●	10	4145652	1	• Washer, Spring	
●	11	554068	1	• Holder, Fork Lever	
●	12	550367	2	Bolt	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

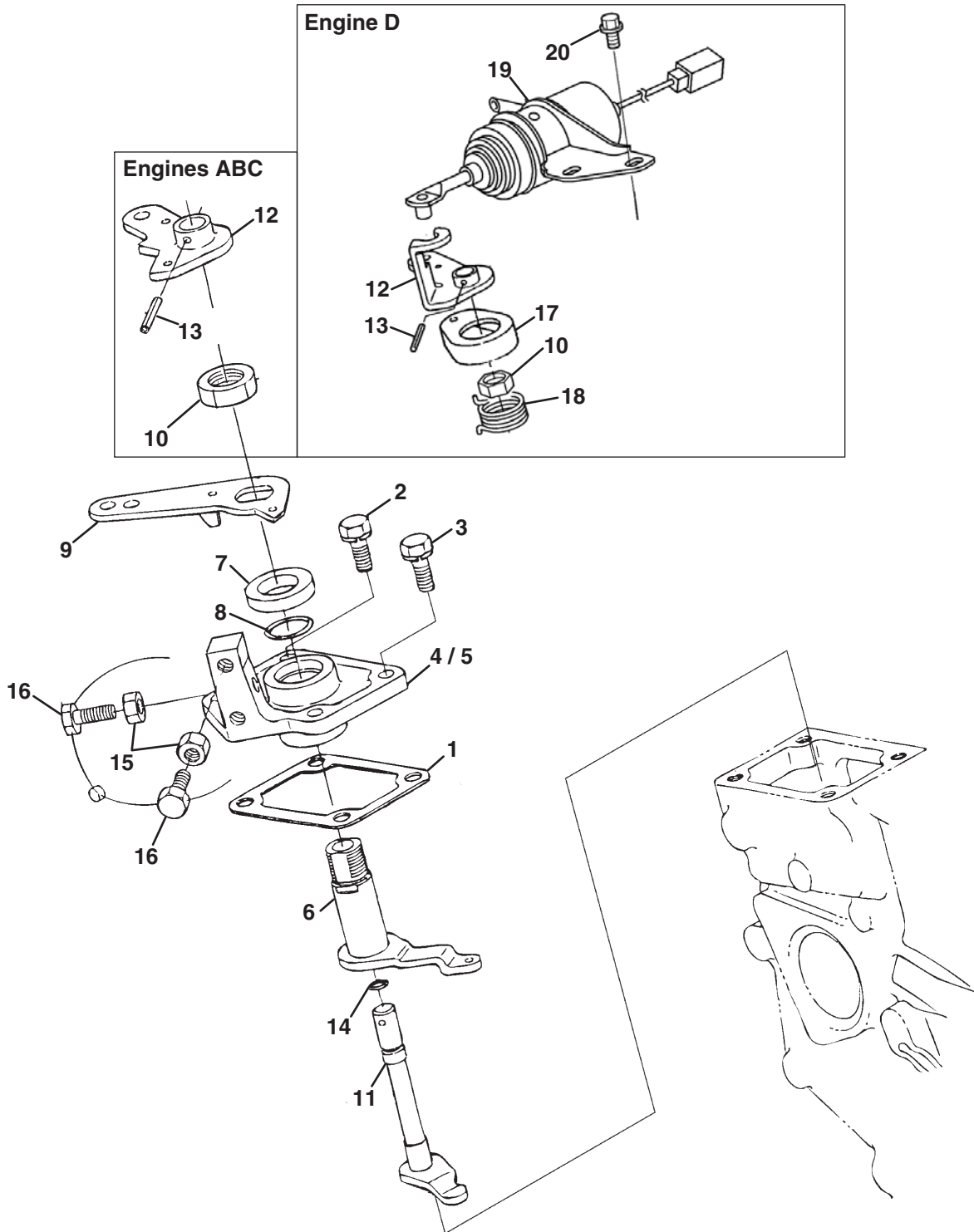
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 17.1 Speed Control Plate



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes	
●	1	554073	1	Gasket, Control Plate	Included in Lower Gasket Kit	
●	2	550363	2	Bolt		
●	3	4209354	2	Bolt		
ABC	4	5001936	1	Comp. Plate, Speed Co.		
D	4	4145908	1	Comp. Plate, Speed Co.		
●	5	554071	1	• Plate, Speed Control		
●	6	554065	1	• Lever, Governor		
●	7	4145893	1	• Collar		
●	8	4146066	1	• O Ring		Included in Lower Gasket Kit
●	9	4145909	1	• Lever, Speed Control		
●	10	4145882	1	• Nut, Speed Control		
●	11	5001935	1	• Shaft, Lever		
ABC	12	4188800	1	• Lever, Engine Stop		
D	12	2810929	1	• Lever, Engine Stop		
●	13	4145689	1	• Pin, Spring		
●	14	4138008	1	• O Ring		Included in Lower Gasket Kit
●	15	550394	3	• Nut		
●	16	550550	3	• Bolt		
D	17	2810935	1	• Cap		
D	18	2810938	1	• Spring, Return		
D	19	2810930	1	Solenoid, Stop		
D	20	2501015	2	Bolt, Flange		

**A** - Groom Master II (D722-E3B-TXRN-1)

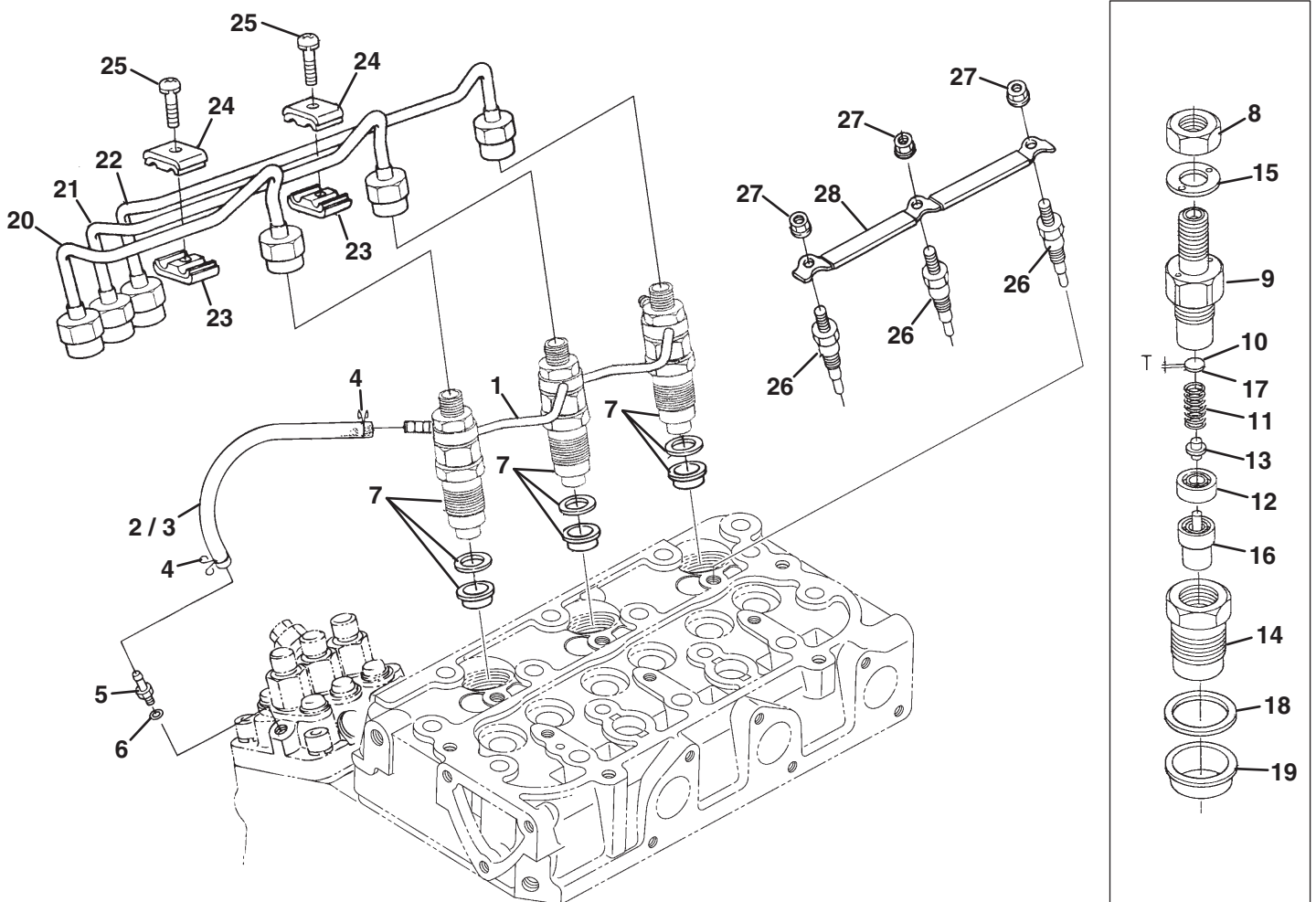
**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5001937	1	Assy Pipe, Over Flow	
●	2	554022	1	Assy Pipe, Over Flow	
●	3	4177275	1	• Pipe, Fuel Over Flow	
●	4	553105	2	• Clip, Pipe	
●	5	554037	1	Screw, Air Bleeder	
●	6	553143	1	Gasket	Included in Lower Gasket Kit
●	7	5001943	3	Kit Holder, Nozzle	
●	8	554103	3	• Nut	
●	9	5001944	3	• Assy Holder, Nozzle	
●	10	554047	3	• • Washer, Adjusting	
●	11	554046	3	• • Spring, Nozzle	
●	12	4145749	3	• • Piece, Distance	
●	13	554045	3	• • Push Rod	
●	14	4145836	3	• • Nut, Nozzle	
●	15	554110	3	• • Washer	
●	16	5001946	3	• • Piece, Nozzle	
●	17	554120	3	• • Assy Washer, Adjust	
●	18	554051	3	• Gasket	Included in Upper Gasket Kit
●	19	557352	3	• Seal, Heat	Included in Upper Gasket Kit
●	20	4209380	1	Pipe, Injection	
●	21	4209381	1	Pipe, Injection	
●	22	4209382	1	Pipe, Injection	
●	23	554054	2	Clamp, Pipe	
●	24	554055	2	Clamp, Pipe	
●	25	550401	2	Screw, With Washer	
●	26	5000899	3	Glow Plug	
●	27	5001152	3	• Nut, Flange	
●	28	5001942	1	Cord, Glow Plug	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

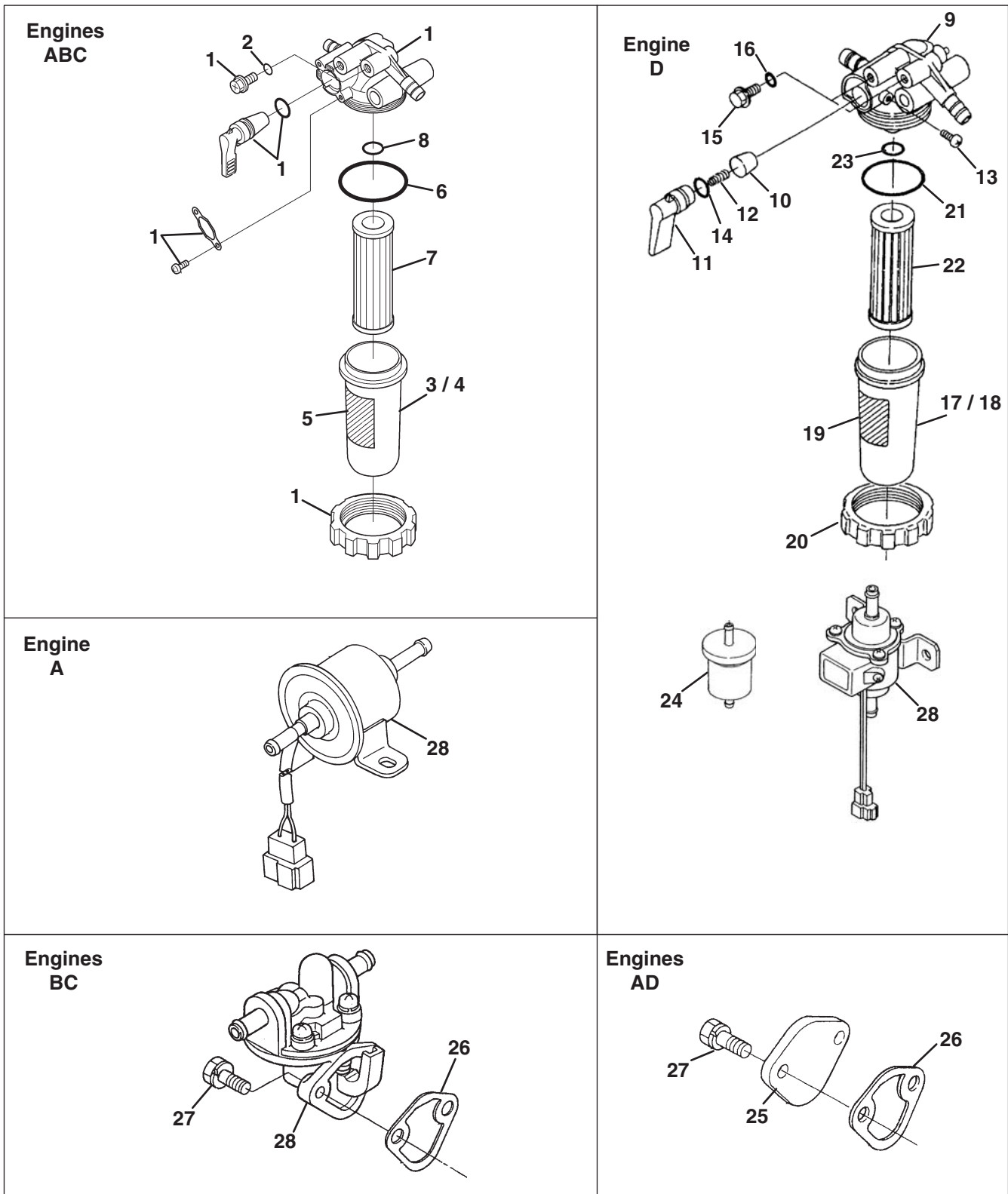
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 19.1 Fuel Filter and Pump





# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ABC	1	4209363	1	Assy Filter, Fuel	
ABC	2	4145666	2	• O Ring	
ABC	3	4209364	1	• Assy Cup, Filter	
ABC	4	4209371	1	• • Cup, Filter	
ABC	5	4209365	1	• • Label, Fuel	
ABC	6	4209372	1	• O-ring	
ABC	7	550489	1	• Assy Element	
ABC	8	4209370	1	• O-ring	
D	9	4216242	1	Assy Filter, Fuel	
D	10	NS	1	• Stopper	
D	11	550396	1	• Lever, Cock	
D	12	550464	1	• Spring, Valve	
D	13	4145702	1	• Screw, Set	
D	14	4145703	1	• O Ring, Lever	
D	15	4145892	2	• Screw, Air Bleeder	
D	16	4145666	2	• O Ring	
D	17	5001309	1	• Assy Cup, Filter	
D	18	4183588	1	• • Cup, Filter	
D	19	2810937	1	• • Label, Fuel	
D	20	4183589	1	• Ring, Retaining	
D	21	550463	1	• O Ring, Filter Cup	
D	22	550489	1	• Assy Element	
D	23	2810640	1	• O Ring, Filter	
D	24	5001182	1	Filter, Fuel	
AD	25	2500962	1	Cover	
●	26	5001922	1	Gasket, Fuel Pump	Included in Lower Gasket Kit
●	27	550362	2	Bolt	
A	28	5001948	1	Assy Pump, Fuel	
BC	28	5002000	1	Assy Pump, Fuel	
D	28	4145700	1	Assy Pump, Fuel	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

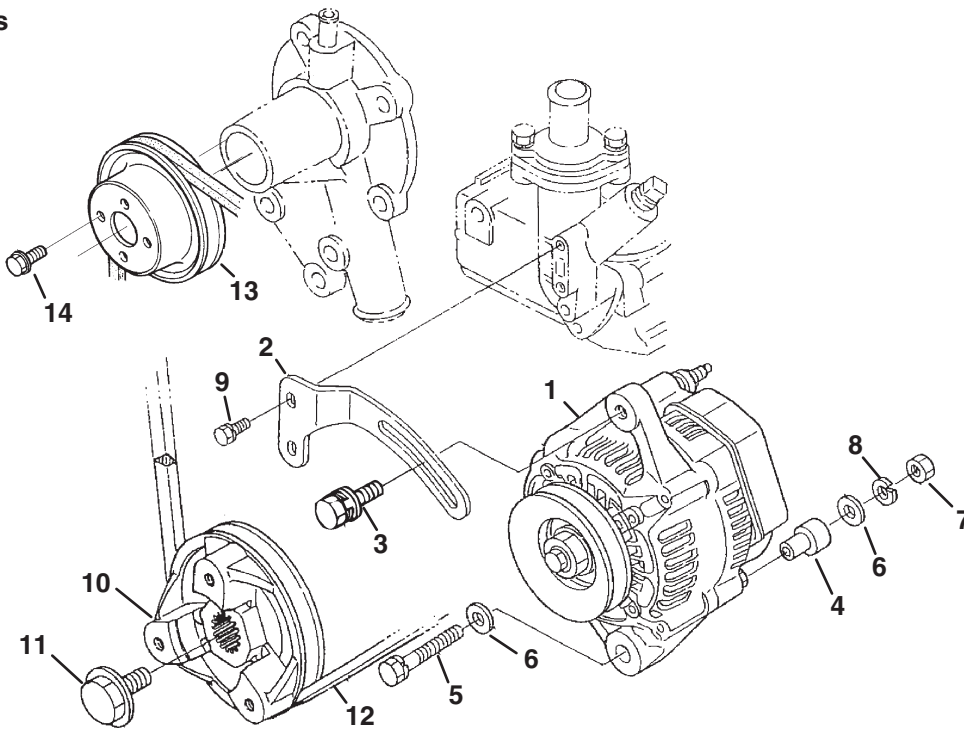
**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

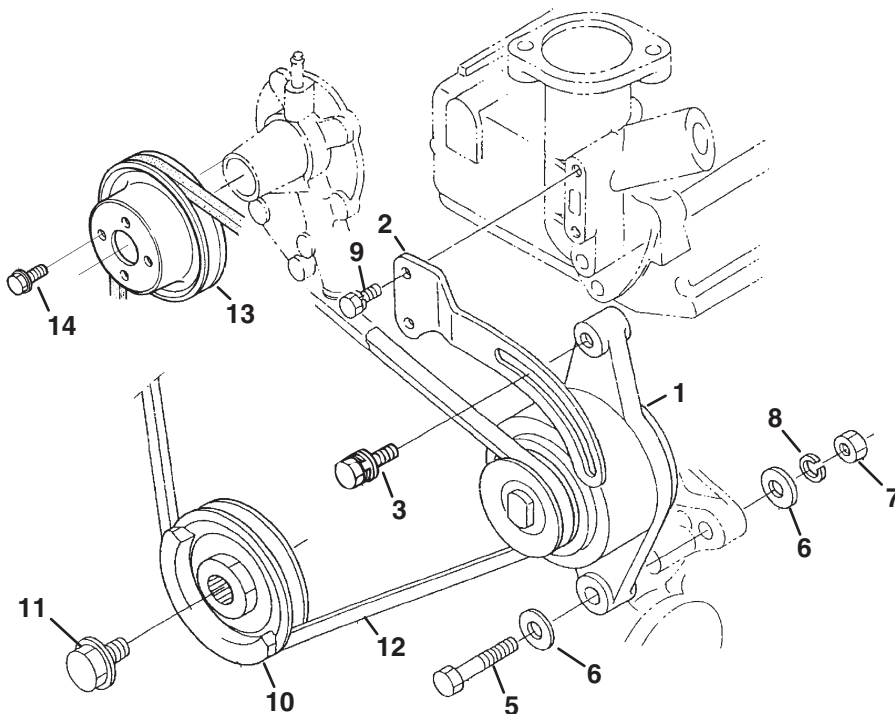
> Change from previous revision

## 20.1 Alternator and Pulleys

Engines  
ABD



Engine  
C



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
<b>ABD</b>	1	2810354	1	Assy Alternator	<b>See 21.1</b>
<b>C</b>	1	2810842	1	Assy Dynamo	<b>See 22.1</b>
<b>ABD</b>	2	5001949	1	Stay, Alternator	
<b>C</b>	2	2810642	1	Stay, Dynamo	
●	3	4209353	1	Bolt	
<b>ABC</b>	4	5002004	1	Collar	
●	5	5002045	1	Bolt	
●	6	594353	2	Washer, Plain	
●	7	550398	1	Nut	
●	8	550408	1	Washer, Spring	
●	9	550362	2	Bolt	
<b>A</b>	10	2811449	1	Pulley, Fan Drive	
<b>BD</b>	10	4145876	1	Pulley, Fan Drive	
<b>C</b>	10	5001950	1	Pulley, Fan Drive	
<b>DE</b>	11	557562	1	Bolt	
<b>A</b>	12	2811450	1	V Belt	
<b>BCD</b>	12	5001951	1	V Belt	
●	13	554091	1	Pulley, Fan	
●	14	5003269	4	Bolt, Flange	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

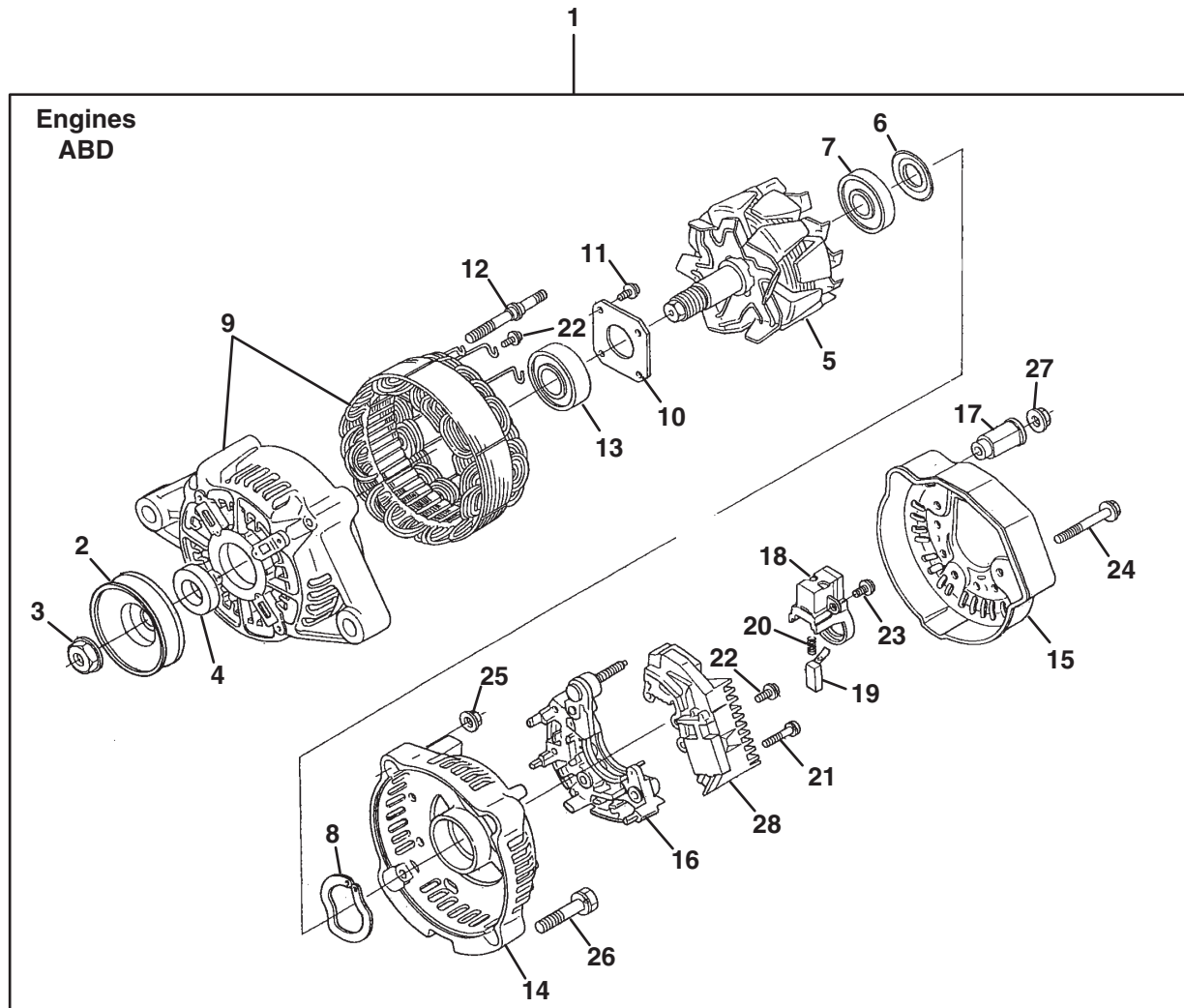
**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 21.1 Alternator

Engines ABD



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ABD	1	2810354	1	Assy Alternator	
ABD	2	557947	1	• Pulley, Dynamo	
ABD	3	557948	1	• Nut	
ABD	4	557949	1	• Collar	
ABD	5	4145943	1	• Rotor	
ABD	6	557951	1	• • Cover, Bearing	
ABD	7	4145838	1	• • Bearing, Ball	
ABD	8	557953	1	• Washer, Thrust	
ABD	9	4145942	1	• Frame, Drive End	
ABD	10	5001210	1	• • Plate, Retainer	
ABD	11	557956	4	• • Screw, Round Head	
ABD	12	557957	2	• • Bolt, Through	
ABD	13	4135839	1	• • Bearing, Ball	
ABD	14	4145828	1	• Frame, End	
ABD	15	4145829	1	• Cover, End	
ABD	16	557961	1	• Assy Rectifier	
ABD	17	557962	1	• Bush, Insulation	
ABD	18	4145837	1	• Holder, Brush	
ABD	19	557964	2	• • Brush	
ABD	20	557965	2	• • Spring, Brush	
ABD	21	557966	2	• Screw, Round Head	
ABD	22	557967	6	• Screw, Round Head	
ABD	23	557968	1	• Screw, Round Head	
ABD	24	557969	3	• Bolt	
ABD	25	557970	2	• Nut	
ABD	26	557971	2	• Bolt	
ABD	27	557972	1	• Nut	
ABD	28	2810355	1	• Assy Regulator	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

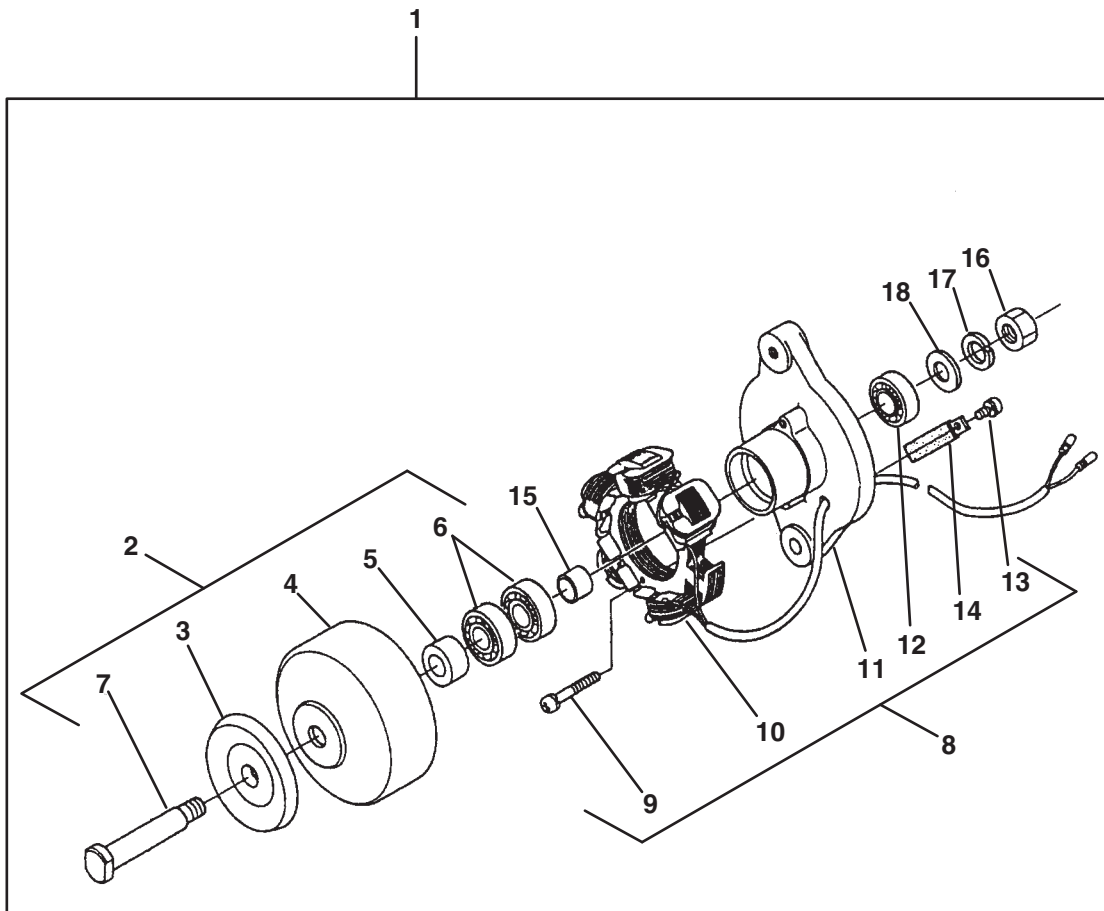
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 22.1 Dynamo Engine C



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
C	1	2810842	1	Assy Dynamo	
C	2	553821	1	Comp. Flywheel	
C	3	553920	1	Pulley	
C	4	553918	1	Flywheel	
C	5	553922	1	Collar	
C	6	550385	2	Bearing, Ball	
C	7	4145741	1	Shaft, Fan	
C	8	4145739	1	Comp. Stator	
C	9	553903	2	Screw, Round Head	
C	10	553924	1	Stator	
C	11	4145738	1	Plate	
C	12	550385	1	Bearing, Ball	
C	13	553903	1	Screw, Round Head	
C	14	4145729	1	Clamp, Cord	
C	15	553901	1	Collar	
C	16	553902	1	Nut	
C	17	553905	1	Washer, Spring	
C	18	553904	1	Washer, Plain	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

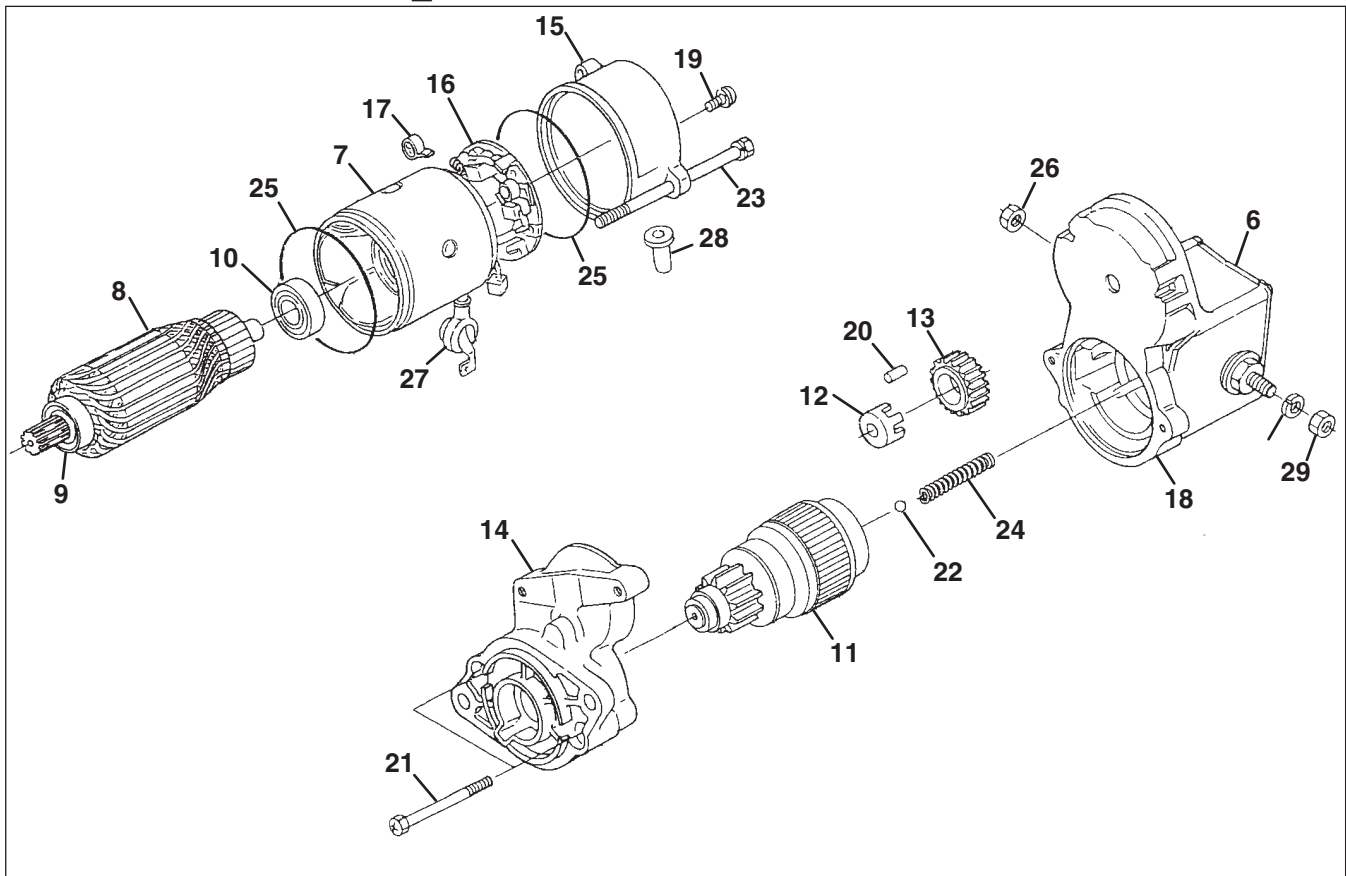
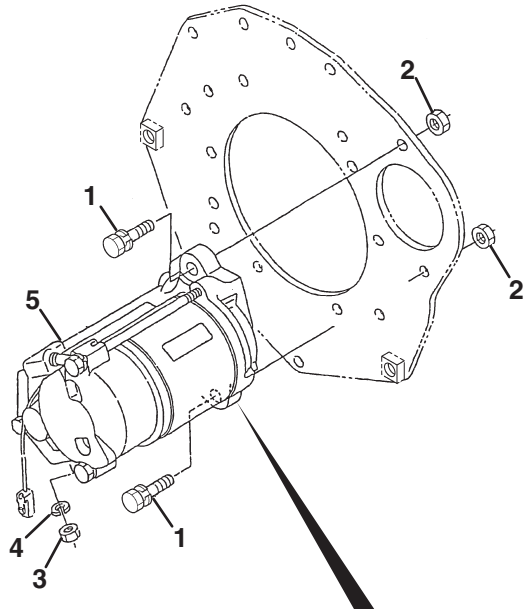
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 23.1 Starter Engines ACD





# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ACD	1	2500960	2	Bolt	
ACD	2	550398	2	Nut	
ACD	3	550398	1	Nut	
ACD	4	550408	1	Washer, Spring	
ACD	5	5002731	1	Assy Starter	
ACD	6	4177281	1	Assy Cover	
ACD	7	2810644	1	• Yoke	
ACD	8	557891	1	• Armature	
ACD	9	557893	1	• • Bearing	
ACD	10	557892	1	• • Bearing	
ACD	11	557894	1	• Assy Clutch	
ACD	12	557903	1	• Retainer	
ACD	13	2810751	1	• Gear	
ACD	14	557896	1	• Assy Housing	
ACD	15	557900	1	• Assy Frame, End	
ACD	16	557898	1	• Assy Holder, Brush	
ACD	17	557899	4	• • Spring, Brush	
ACD	18	2810645	1	• Assy Switch, Magnetic	
ACD	19	557908	2	• Assy Bolt	
ACD	20	557902	5	• Roller	
ACD	21	557906	2	• Bolt	
ACD	22	557904	1	• Ball	
ACD	23	557907	2	• Bolt, Through	
ACD	24	557905	1	• Spring	
ACD	25	5003288	2	• O Ring	
ACD	26	5001183	1	• Nut, Hexagon	
ACD	27	2810646	1	• Cover, Terminal	
ACD	28	5003301	1	• Pipe, Drain	
ACD	29	557912	1	• Nut, Hexagon	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

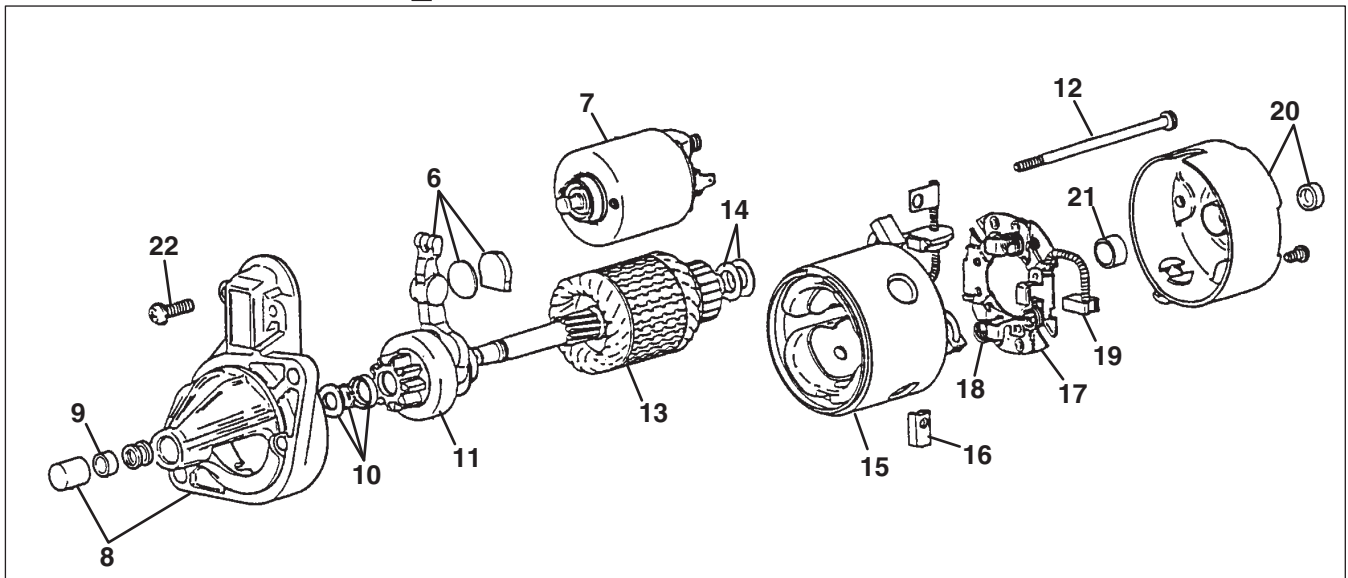
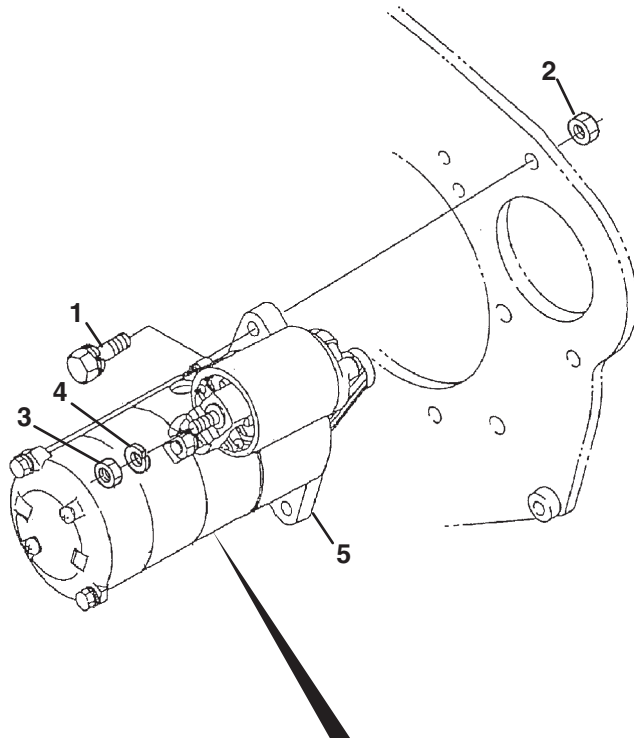
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 24.1 Starter Engine B



# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
<b>B</b>	1	2500960	2	Bolt	
<b>B</b>	2	550398	2	Nut	
<b>B</b>	3	550398	1	Nut	
<b>B</b>	4	550408	1	Washer, Spring	
<b>B</b>	5	5002005	1	Assy Starter	
<b>B</b>	6	2501035	1	• Lever, Drive	
<b>B</b>	7	554166	1	• Switch, Magnetic	
<b>B</b>	8	5002026	1	• Frame, Drive End	
<b>B</b>	9	554174	1	• • Bush	
<b>B</b>	10	2501039	1	• Stopper	
<b>B</b>	11	2501040	1	• Clutch, Over Running	
<b>B</b>	12	4145896	2	• Bolt	
<b>B</b>	13	5002027	1	• Armature	
<b>B</b>	14	554181	1	• Washer, Adjusting	
<b>B</b>	15	5002008	1	• Yoke	
<b>B</b>	16	554177	2	• • Brush	
<b>B</b>	17	554179	1	• Holder, Brush	
<b>B</b>	18	554180	3	• • Spring, Brush	
<b>B</b>	19	554178	1	• • Brush	
<b>B</b>	20	4145895	1	• Frame, End	
<b>B</b>	21	554175	1	• • Bush	
<b>B</b>	22	554183	1	• Screw, Pan Head	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

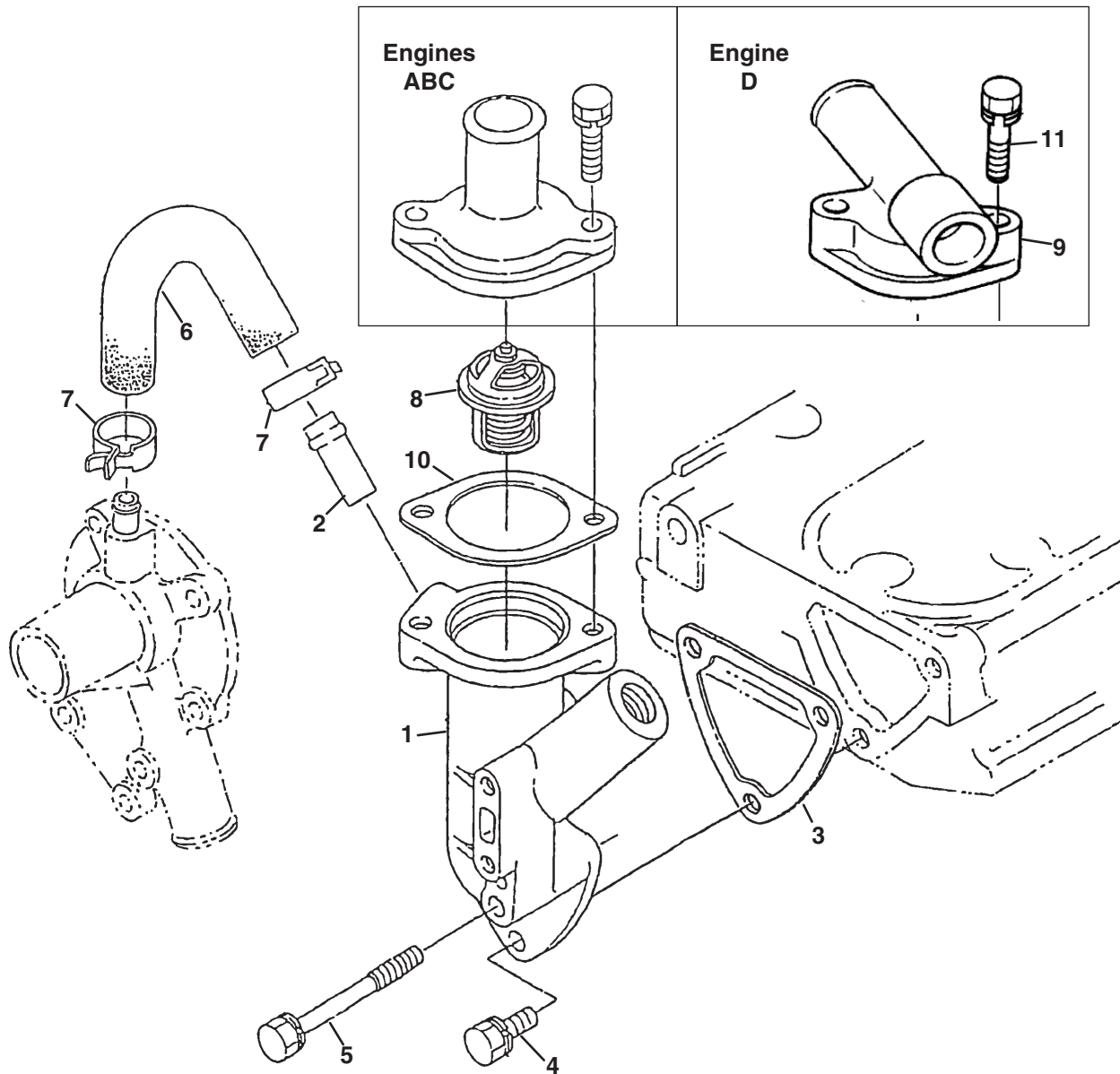
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 25.1 Water Flange and Thermostat



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	5001956	1	Comp. Flange, Water	Included in Upper Gasket Kit
●	2	557975	1	• Pipe, Water Return	
●	3	554082	1	Gasket, Water Flange	
●	4	550362	2	Bolt	
●	5	5001875	1	Bolt	
●	6	5001959	1	Pipe, Water Return	
●	7	2501011	2	Band, Pipe	
●	8	2500870	1	Assy Thermostat	
ABC	9	554086	1	Cover, Thermostat	
●	9	2810945	1	Cover, Thermostat	
●	10	4145869	1	Gasket, Thermostat	
●	11	553840	2	Bolt	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

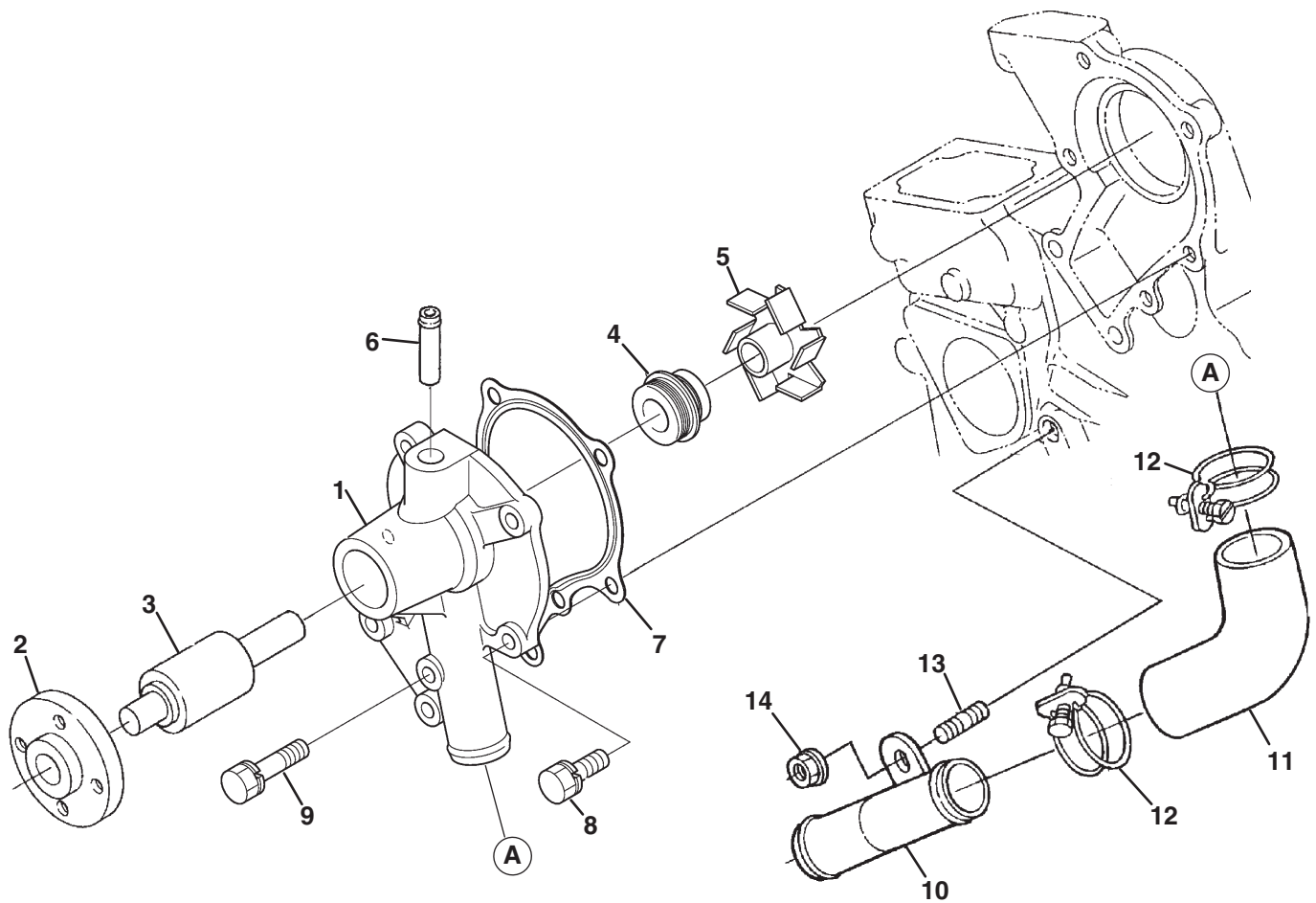
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 26.1 Water Pump



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4230021	1	Assy Pump, Water	
●	2	557567	1	• Flange, Water Pump	
●	3	557568	1	• Bearing	
●	4	N/S	1	• Assy Seal, Mechanical	
●	5	4178262	1	• Impeller	
●	6	557571	1	• Pipe, Water Return	
●	7	4209352	1	Gasket, Water Pump	
●	8	553840	4	Bolt	
●	9	5001963	1	Bolt	
●	10	2811451	1	Pipe, Water	
●	11	2811452	1	Hose, Water	
●	12	554083	2	Band, Pipe	
●	13	554099	1	Stud	
●	14	2810647	1	Nut, Flange	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

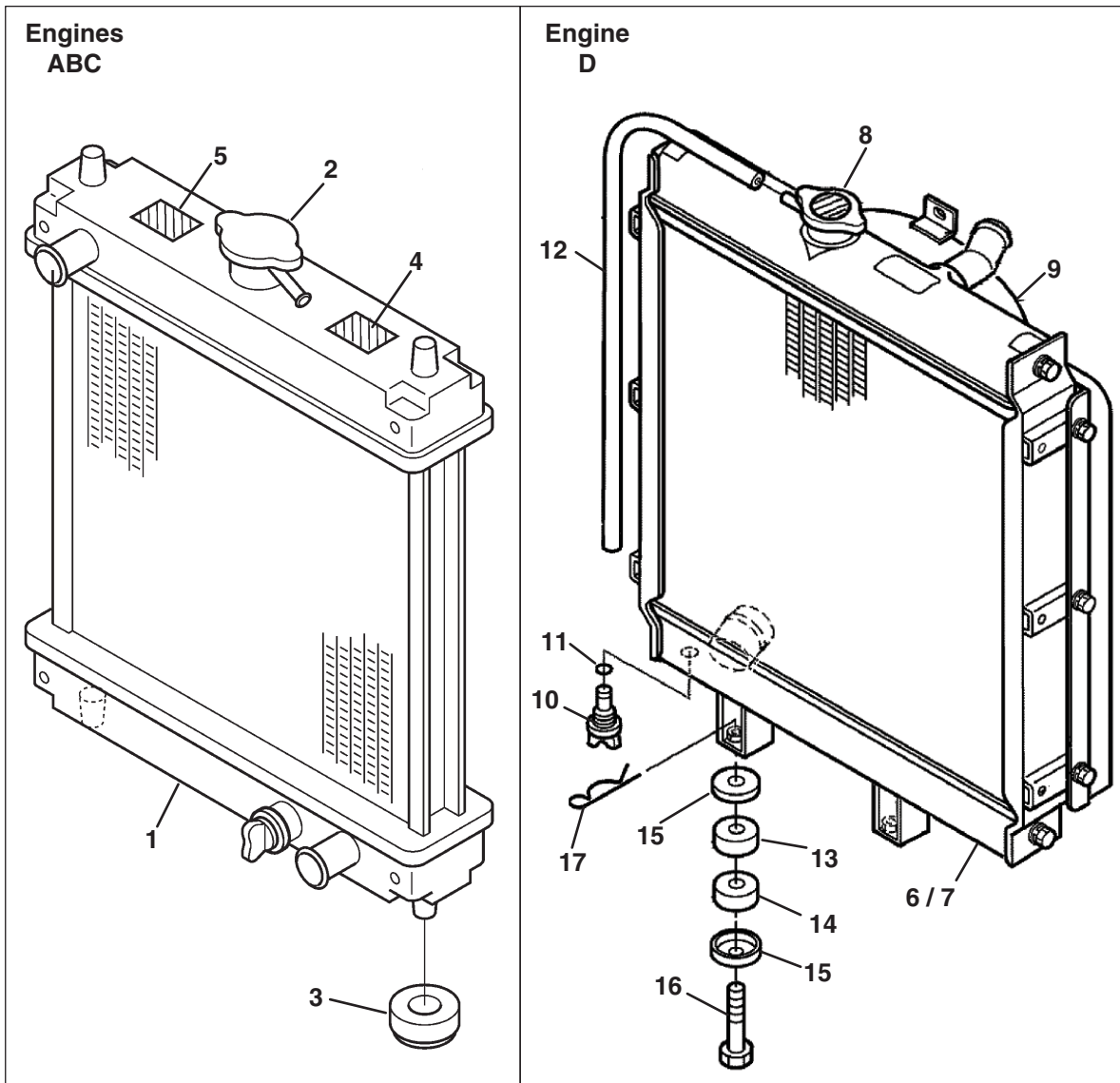
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 27.1 Radiator





# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
ABC	1	4141036	1	Assy Radiator	
ABC	2	4209356	1	• Assy Cap, Radiator	
ABC	3	4167663	4	Cushion, Radiator	
ABC	4	2811961	1	Label, Radiator	
ABC	5	554228	1	Label, Instruction	
D	6	4144045	1	Assy Radiator	
D	7	4209385	1	• Radiator	
D	8	4209357	1	• Cap, Radiator	
D	9	4209386	1	• Shroud, Fan	
D	10	4209390	1	• Plug, Drain	
D	11	4209391	1	• O Ring	
D	12	2811915	1	• Pipe, Water Over Flow	
D	13	553886	2	Cushion	
D	14	2810755	2	Cushion	
D	15	553887	4	Washer	
D	16	4209342	2	Bolt	
D	17	553859	2	Pin, Snap	

**A** - Groom Master II (D722-E3B-TXRN-1)

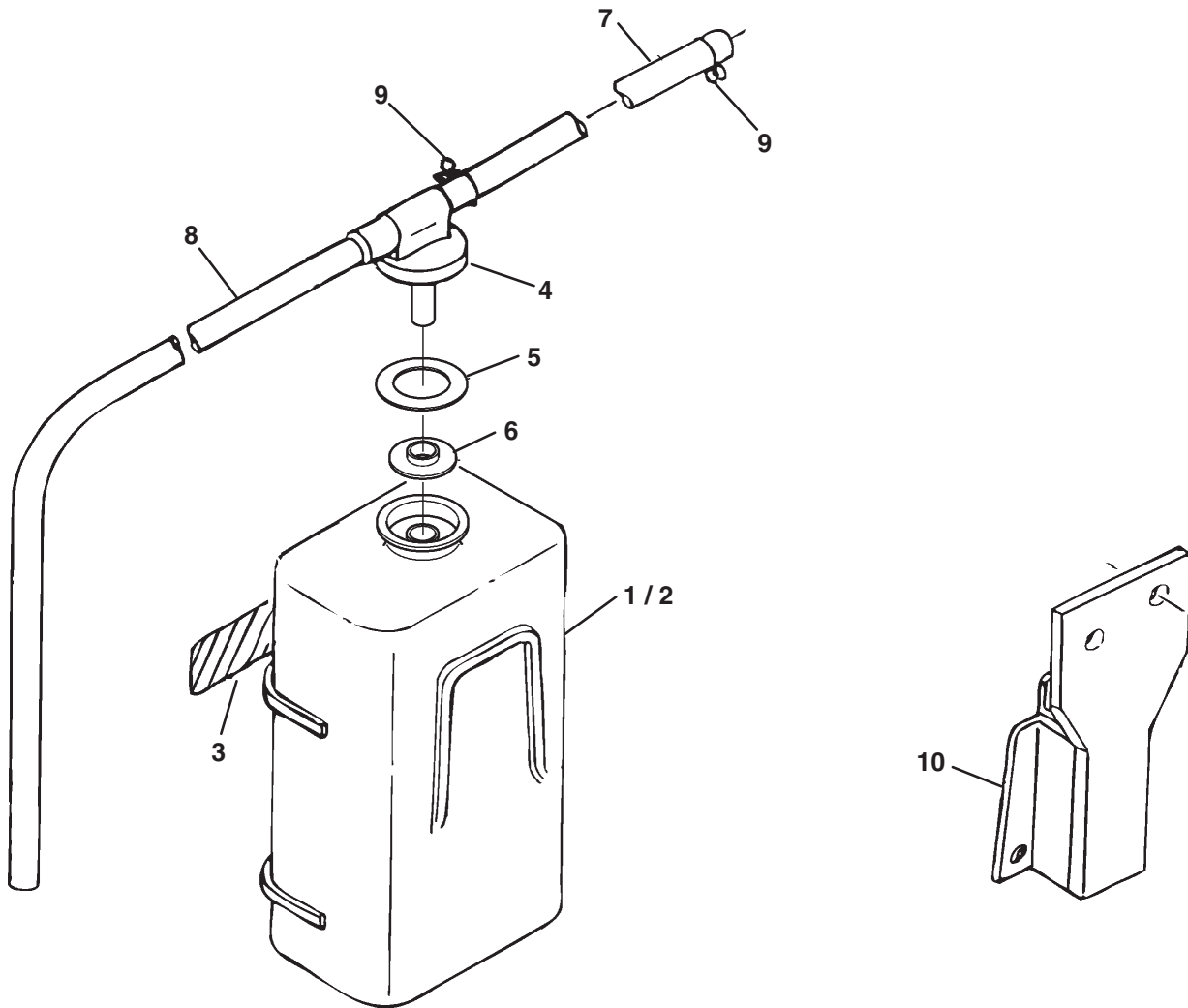
**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
AC	1	4209393	1	Assy Tank, Reserve	
BD	1	553926	1	Assy Tank, Reserve	
●	2	5001207	1	• Body, Tank	
●	3	4145735	1	• Label, Caution	
●	4	2500814	1	• Cap	
●	5	2500815	1	• Gasket	
AC	6	4209392	1	• Plate	
●	7	553929	1	• Pipe, Water Over Flow	
●	8	553913	1	• Pipe, Water Over Flow	
●	9	553914	2	• Clip, Pipe	
●	10	554231	1	Comp Support, Tank	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

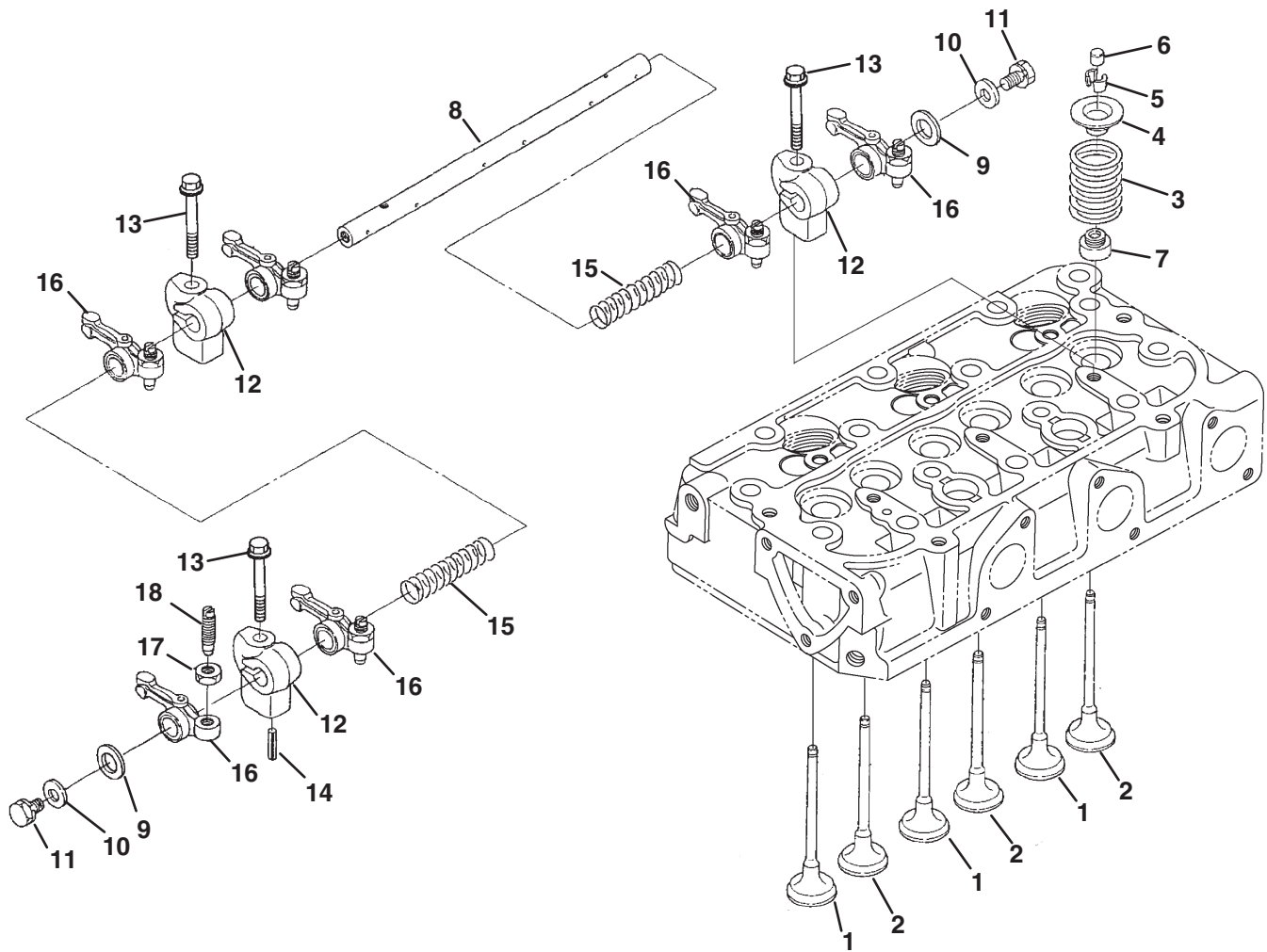
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 29.1 Valve and Rocker Arm



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
●	1	4209378	3	Valve, Inlet	Included in Upper Gasket Kit
●	2	4209379	3	Valve, Exhaust	
●	3	557546	6	Spring, Valve	
●	4	553872	6	Retainer, Spring	
●	5	553873	6	Collet, Valve Spring	
●	6	553871	6	Cap, Valve	
●	7	5001981	6	Seal, Valve Stem	
●	8	554192	1	Shaft, Rocker Arm	
●	9	5001982	2	Washer	
●	10	554108	2	Washer, Plain	
●	11	553839	2	Bolt	
●	12	4145928	3	Bracket, Rocker Arm	
●	13	4145650	3	Bolt, Flange	
●	14	550425	1	Pin, Spring	
●	15	553875	2	Spring, Rocker Arm	
●	16	553955	6	Assy Rocker Arm	
●	17	553957	6	• Screw, Adjusting	
●	18	553874	6	• Nut	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

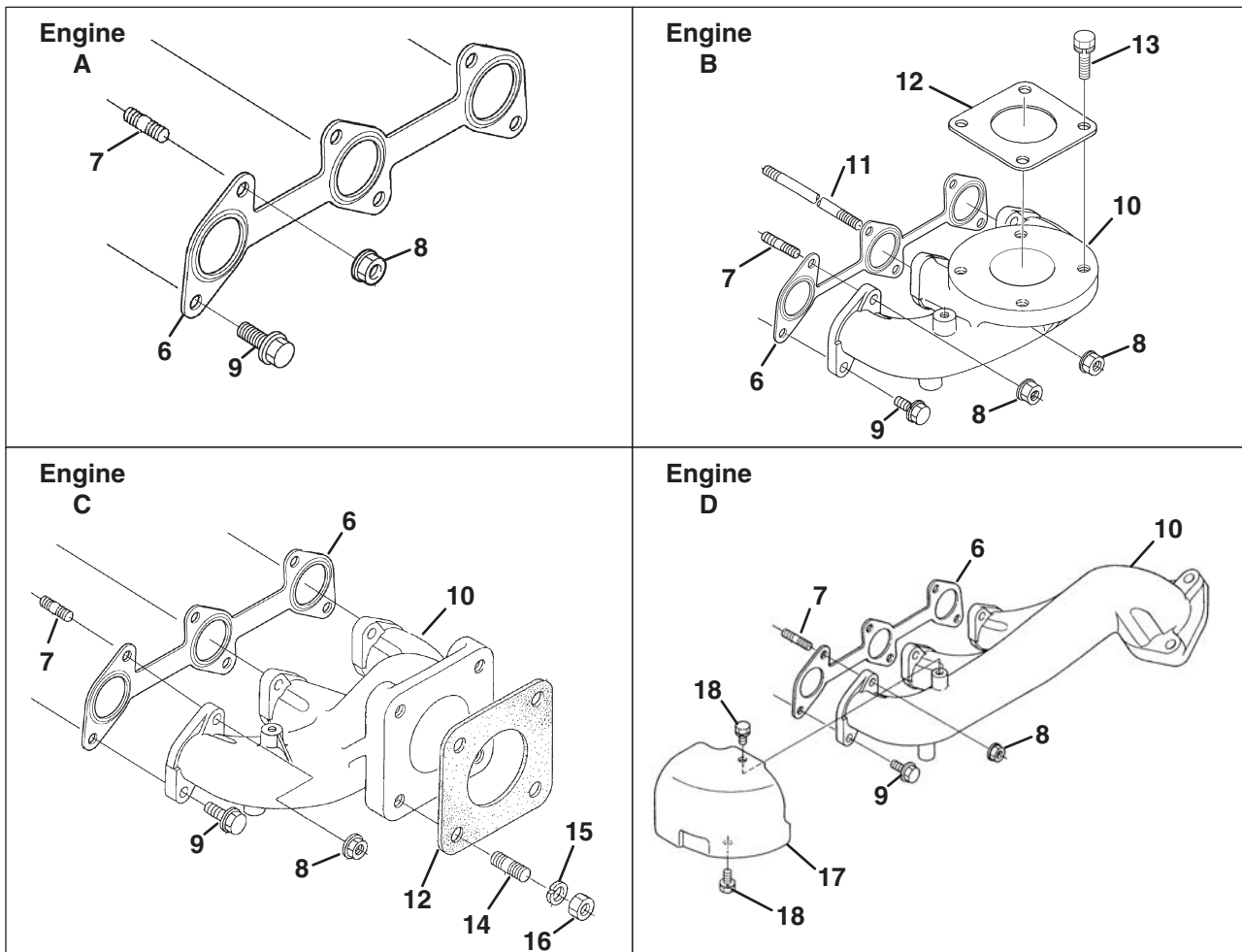
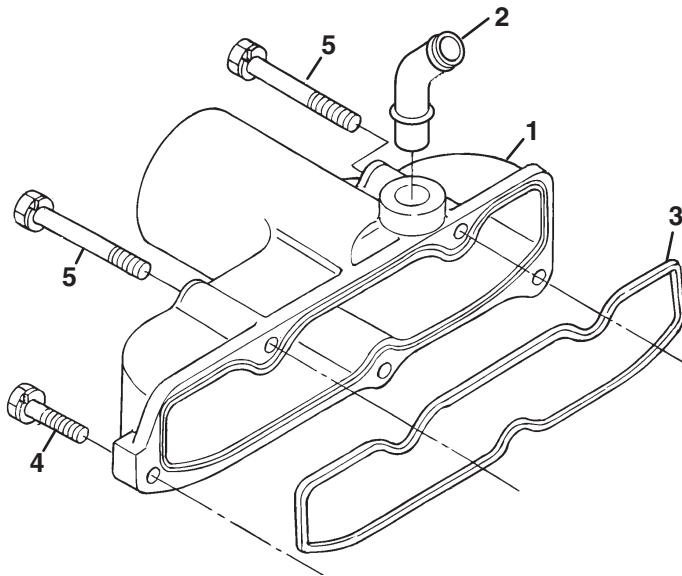
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 30.1 Intake and Exhaust Manifolds



Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes	
●	1	4145918	1	Assy Manifold, Inlet	Included in Upper Gasket Kit	
●	2	4145941	1	• Pipe, Breather		
●	3	554190	1	• Gasket, In-manifold		
●	4	550363	2	Bolt		
●	5	553481	3	Bolt		
A	6	5001984	1	Gasket, Ex-manifold		
BCD	6	4209373	1	Gasket, Ex-manifold		
ACD	7	553849	3	Stud		
B	7	553849	1	Stud		
●	8	5001985	3	Nut, Ubs		
A	9	550363	3	Bolt		
BCD	9	5002010	3	Bolt, Ubs		
B	10	5002008	1	Manifold, Exhaust		
C	10	2810651	1	Manifold, Exhaust		
D	10	4145872	1	Manifold, Exhaust		
B	11	557545	2	Stud		
BC	12	553020	1	Gasket, Muffler		Included in Upper Gasket Kit
B	13	594331	4	Bolt		
C	14	594344	4	Stud		
C	15	550409	4	Washer, Spring		
C	16	550398	4	Nut		
D	17	2811875	1	Cover, Heat Proof		
D	18	4145647	2	Bolt		

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

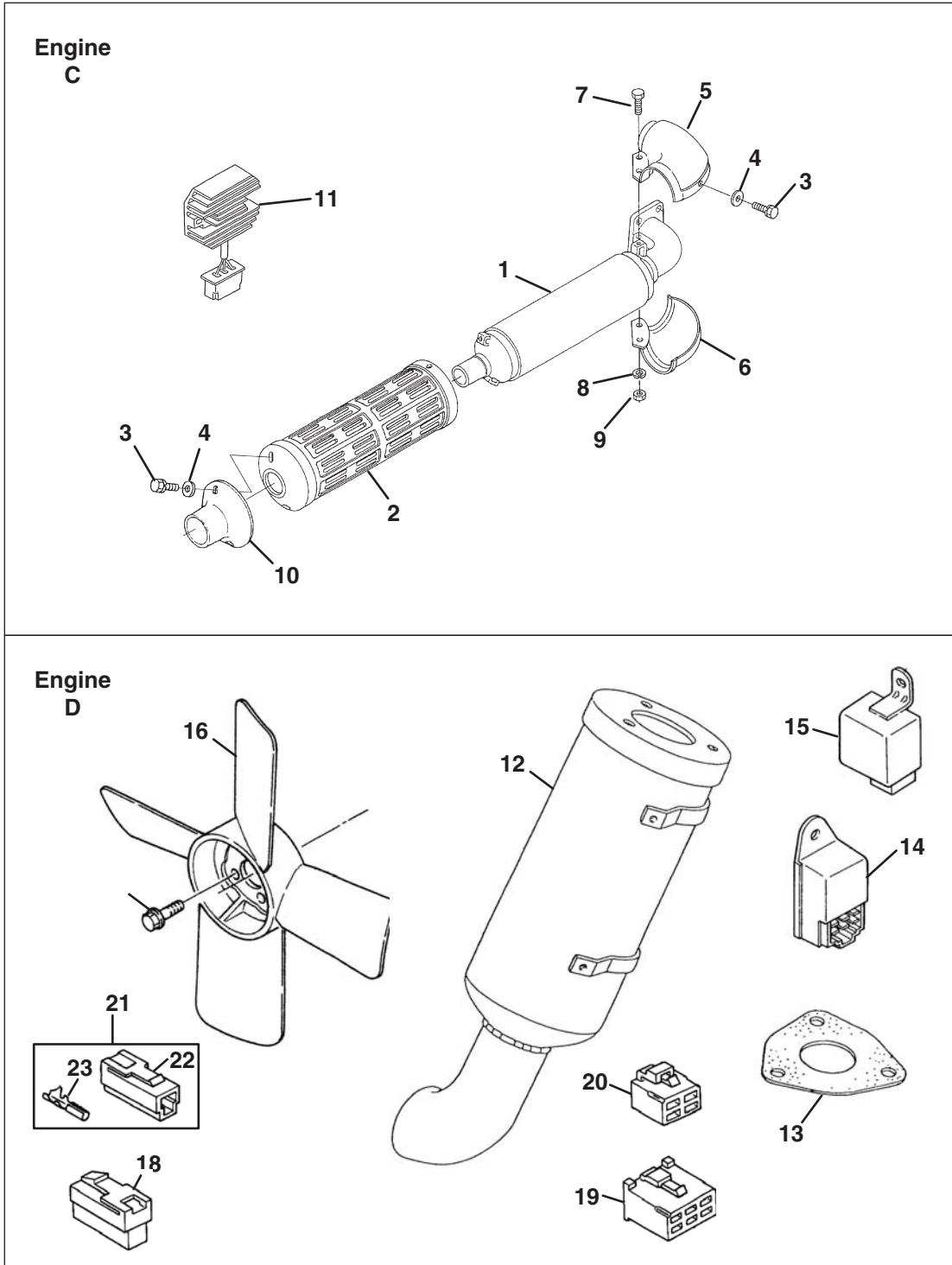
● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

> Change from previous revision

## 31.1 Miscellaneous





# KUBOTA D722-E3B

Engine	Item	Part No.	Qty.	Description	Serial Numbers/Notes
C	1	553907	1	Muffler	
C	2	554247	1	Cover, Muffler	
C	3	553847	4	Bolt	
C	4	550403	4	Washer, Plain	
C	5	554245	1	Cover, Muffler Flange	
C	6	554246	1	Cover, Muffler Flange	
C	7	4209340	2	Bolt	
C	8	5001160	2	Washer, Spring	
C	9	553850	2	Nut	
C	10	553865	1	Cover, Muffler	
C	11	4209367	1	Assy, Regulator	
D	12	4145871	1	Muffler	
D	13	557582	2	Gasket, Muffler	
D	14	2810789	1	Timer, Glow Lamp	
D	15	2810982	1	Timer, Key Stop	
D	16	5002007	1	Fan	
D	17	5003269	4	Bolt	
D	18	5003298	1	Connector	
D	19	2810962	1	Connector	
D	20	2810752	1	Connector	
D	21	2810951	1	Terminal	
D	22	4145698	1	• Connector	
D	23	4145699	1	• Terminal	

**A** - Groom Master II (D722-E3B-TXRN-1)

**C** - Greens King IV (D722-E3B-TXRN-4)

● - Used on All Engines

**B** - Tri-King (D722-E3B-TXRN-3)

**D** - G-Plex III and GP400 (D722-E3B-RNUK-3)

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