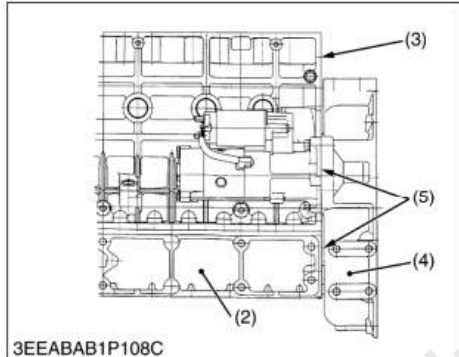
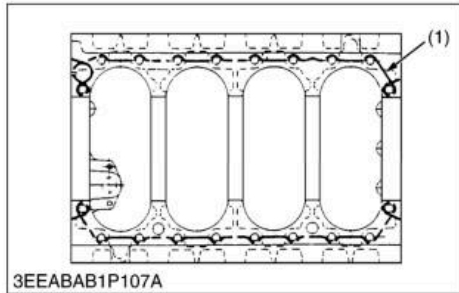
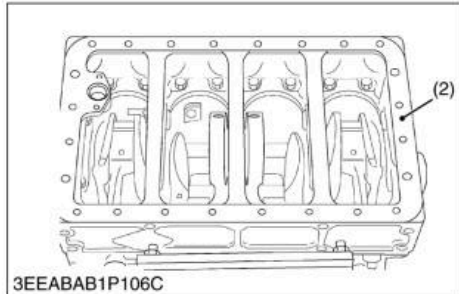


WSM

WORKSHOP MANUAL
TRACTOR

M8540, M9540

Kubota



Crankcase 1 and Crankcase 2

1. Remove the crankcase 2 (2) from the crankcase 1 (3).

(When reassembling)

NOTE

- Make sure the crankcase 1 and 2 are clean.
- Confirm that the liquid gasket coating surface is free of water, dust and oil in order to maintain sealing effect.
- Apply liquid gasket (Three Bond 1217D or equivalent) to the crankcase 2 as shown in the figure.
- Match the crankcase 1 and 2, referring to the flywheel housing's contoured face.
- Temporarily tighten the crankcase 2 mounting screws loosely.
- For aligning the crankcase 1 and 2, set the flywheel housing as a jig temporarily, and tighten the flywheel housing mounting screws. Possible gap between crankcase 1 and 2 must be 0.05 mm (0.0020 in.) or smaller.
- After aligning the crankcase 1 and 2, tighten the crankcase 2 mounting screws to the specified torque on the diagonal line.
- Tighten the flywheel housing mounting screws. (See "The Flywheel Housing".)

NOTE

- When mounting the adhesive-applied parts, take care to fit them to the mating parts.
- Assemble the adhesive-applied parts within ten minutes.

[Engine Serial No. : Below 6G3393]

Tightening torque	Crankcase 2 mounting screw	49.0 to 55.9 N·m 5.0 to 5.7 kgf·m 36.2 to 41.2 lbf·ft
	Flywheel housing mounting screw	77.5 to 90.2 N·m 7.9 to 9.2 kgf·m 57.1 to 66.5 lbf·ft

[Engine Serial No. : Above 6J0001]

Tightening torque	Crankcase 2 mounting screw	49.0 to 55.9 N·m 5.0 to 5.7 kgf·m 36.2 to 41.2 lbf·ft
	Flywheel housing mounting screw (M14, USB)	167 to 196 N·m 17.0 to 20.0 kgf·m 123 to 144 lbf·ft
	Flywheel housing mounting screw (M12, 9T)	103 to 117 N·m 10.5 to 12.0 kgf·m 76.0 to 86.8 lbf·ft

- (1) Liquid Gasket
(2) Crankcase 2
(3) Crankcase 1

- (4) Flywheel Housing
(5) Gap to be Smaller than 0.05 mm
(0.0020 in.)

W1048538

5. DISASSEMBLING AND ASSEMBLING

[1] HYDRAULIC SHUTTLE VALVE

(1) Removing Fuel Tank (ROPS Model)



Draining Fuel, Fuel Tank Under Cover and Auxiliary Step

1. Place oil pans under the fuel tank (1).
2. Remove the drain plug (4) and drain the fuel.
3. Reinstall the drain plug (4) to the fuel tank (1).
4. Remove the auxiliary step (2).
5. Remove the fuel tank under cover (3) mounting screws.

Fuel tank	Capacity	90 L 23.8 U.S.gals 19.8 Imp.gals

- (1) Fuel Tank (3) Fuel Tank Under Cover
(2) Auxiliary Step (4) Drain Plug

W1038723



Rear Wheel and Fuel Filling Port

1. Place the disassembling stand under the transmission case.
2. Remove the left rear wheel.
3. Place the disassembling stand under the rear axle case.
4. Unscrew the fuel filling port fixing screw.

(When reassembling)

Tightening torque	Rear wheel mounting nut	343.2 to 393.3 N·m 35.0 to 40.1 kgf·m 253.2 to 290.0 lbf·ft

- (1) Fuel Filling Port

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Fuel Sensor Connector

1. Remove the fuel sensor 1P connector (1).

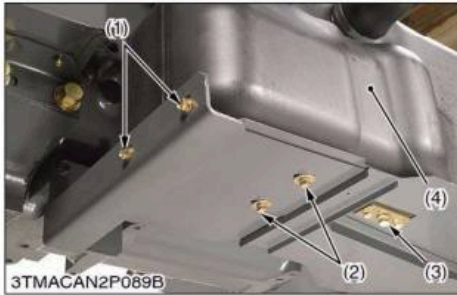
(When reassembling)

- Be sure to connect the fuel sensor connector.

- (1) Fuel Sensor 1P Connector

W1039151

(2) Preparation for Removing Rear Axle (Left Side)



Draining Fuel, Fuel Tank Under Cover

1. Place an oil pans under the fuel tank (4).
2. Remove the drain plug (3) and drain the fuel.
3. Reinstall the drain plug (3) to the fuel tank (4).
4. Remove the fuel tank mounting screws (1) and under cover mounting screws (2).

Fuel tank	Capacity	110 L 29.1 U.S.gals 24.2 Imp.gals.
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- (1) Fuel Tank Mounting Screw (3) Drain Plug
(2) Under Cover Mounting Screw (4) Fuel Tank

W1021379



Fuel Filling Port, Auxiliary Step and Breather Hose (Rear)

1. Remove the fuel filling port mounting screw (1).
2. Remove the auxiliary step (2).

- (1) Fuel Filling Port Mounting Screw (2) Auxiliary Step

W1022175



Rear Wheel and Fuel Tank

1. Place the disassembling stand under the transmission case.
2. Remove the left rear wheel.
3. Place the disassembling stand under the rear axle case.
4. Remove the fuel sensor **2P** connector (1).
5. Remove the fuel hose cover (2).
6. Remove the both fuel tank band (3).
7. Draw out the fuel tank and disconnect the breather hose (4) and (5).
8. Disconnect the fuel hose (6) and return hose (7).

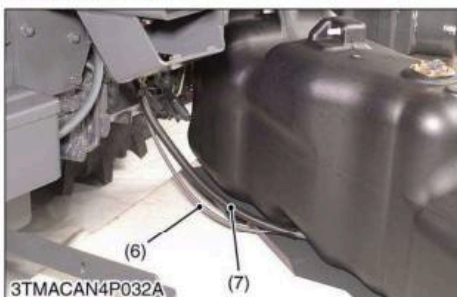
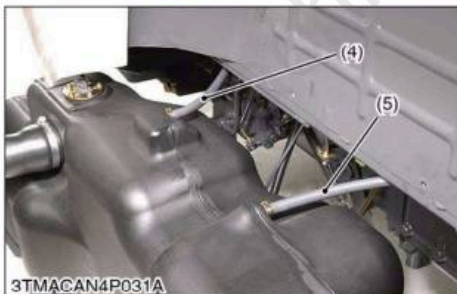
(When reassembling)

- Be sure to connect the fuel sensor connector.
- Be sure to fix the fuel hoses and breather hose.

Tightening torque	Rear wheel mounting nut	343.2 to 393.3 N·m 35.0 to 40.1 kgf·m 253.2 to 290.0 lbf·ft
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- (1) Fuel Sensor **2P** Connector (5) Breather Hose (Rear)
(2) Fuel Hose Cover (6) Fuel Hose
(3) Fuel Tank Band (7) Fuel Return Hose
(4) Breather Hose (Front)

W1022952



Full Version Available

Kubota M8540 Tractor Workshop Manual

This is a short preview. The complete manual contains all chapters, wiring diagrams, torque specifications and full service procedures.

VIEW THE FULL MANUAL

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