

(4) Timing Gear, Camshaft and Fuel Camshaft



Injection Pump, Fuel Feed Pump and Speed Control Plate

1. Remove the gasket head screws and nuts, and remove the injection pump (1).
2. Remove the screws and separate the speed control plate (2), taking care not to damage the governor spring (4).
3. Disconnect the governor spring (4), and remove the speed control plate (2).
4. Remove the fuel feed pump (3).

(When reassembling)

- Install the governor spring (4) to the governor lever (4) and attach the speed control plate (2).
- Be sure to place the copper washers underneath fast screws (6). (Fast screws (6) in the upper of the speed control plate (2).)
- Position the stud (7) on the fork lever just under the stud (8) on the crankcase.
- Insert the injection pump (1) so that the control rod (10) should be pushed by the idling adjusting spring (16) at its end and the pin (17) on the rod engages with the stud (7) on the fork lever (as shown in the photo).

NOTE

- The sealant is applied to both sides of the soft metal gasket sheet. The liquid gasket is not required for assembling.
- Addition or reduction of value (0.01 mm, 0.0001 in.) delays or advances the injection timing by approx. 0.0007 rad (0.01°).
- In disassembling and replacing, be sure to use the same number of new gasket sheets with the same thickness.

- | | |
|------------------------------|------------------------------|
| (1) Injection Pump | (7) Stud (Fork Lever Side) |
| (2) Speed Control Plate | (8) Stud (Crankcase Side) |
| (3) Fuel Feed Pump | (16) Idling Adjusting Spring |
| (4) Governor Spring | (17) Control Rod |
| (5) Governor Lever | (10) Pin |
| (6) Screws and Copper Washer | |

2008-12-01 10:00

Fan Drive Pulley

1. Secure the flywheel to keep it from turning.
2. Remove the fan drive pulley screws.
3. Drive out the fan drive pulley with a puller.

(When reassembling)

- Install the pulley to the crankshaft, aligning the mark (7) on them.
- Apply engine oil to the fan drive pulley retaining screws. And tighten them.

Tightening torque	Fan drive pulley screw	100 N·m (7.2 kg-m) 10.0 to 11.0 kgf-m 10.0 to 11.0 N·m
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(7) Alignment Mark

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Gear Case

1. Disconnect the start spring (2) from the fuel lever (1).
2. Remove the screws (7) of inside the gear case and outside screws.
3. Remove the gear case (6).

(When reassembling)

- Apply a liquid gasket (Three Bond 1210 or equivalent) to both sides of the gear case gasket.
- Be sure to set three O-rings inside the gear case.

- | | |
|----------------|------------------|
| (1) Fuel Lever | (2) Start Spring |
| (3) Fuel Lever | (4) Gear Case |

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Idle Gear

1. Remove the external snap ring (2), the roller (3) and the idle gear (7).
2. Remove the idle gear shaft-mounting screws (4).
3. Remove the idle gear shaft (5).

(When reassembling)

- Apply engine oil to the idle gear shaft-mounting screws (4). And tighten them.
- Install the idle gear, aligning the mark (6) on the gears referring to the photo.

Tightening torque	Idle gear shaft-mounting screw	10.0 to 11.0 kg-m 1.00 to 1.10 kgf-m 10.0 to 11.0 N·m
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- | | |
|------------------------|-------------------------------------|
| (1) Idle Gear | (4) Idle Gear Shaft-Mounting Screws |
| (2) Idle Gear Roller | (5) Idle Gear Shaft |
| (3) External Snap Ring | (6) Alignment Mark |

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Kubota Z602 Engine Manual

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