

1GR-FE LUBRICATION OIL PUMP REASSEMBLY

PROCEDURE

1.INSTALL OIL PUMP RELIEF VALVE

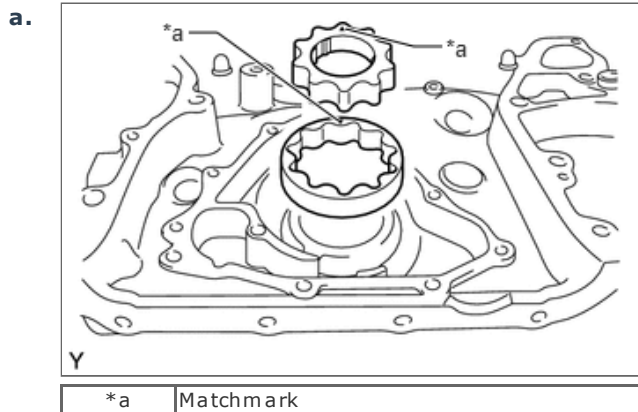
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- a. Coat the oil pump relief valve with engine oil and insert the oil pump relief valve and relief valve spring into the valve hole.
- b. Install the relief valve plug.

Torque:**49 N*m (500 kgf*cm, 36 ft.*lbf)**

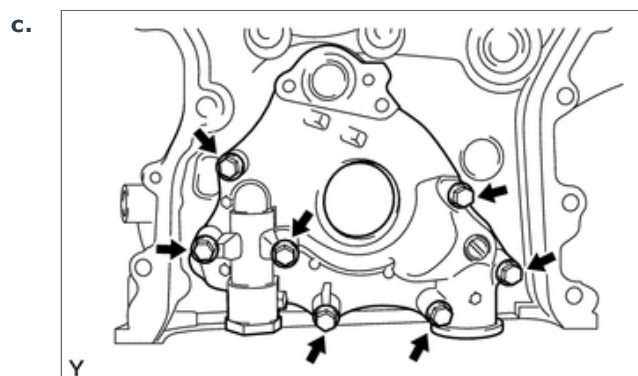
2.INSTALL OIL PUMP COVER

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Apply engine oil to the drive rotor and driven rotor.

- b. Place the drive rotor and driven rotor into the timing chain cover sub-assembly with the matchmarks facing upward.



Install the oil pump cover with the 7 bolts.

Torque:**9.1 N*m (93 kgf*cm, 81 in.*lbf)**

3.INSTALL OIL PUMP OUTLET PIPE

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- a. Install a new O-ring to the oil pump cover.
- b. Install a new O-ring to the oil pump outlet pipe.

- c. Install the oil pump outlet pipe with the 3 bolts.

Torque:

9.1 N*m (93 kgf*cm, 81 in.*lbf)