

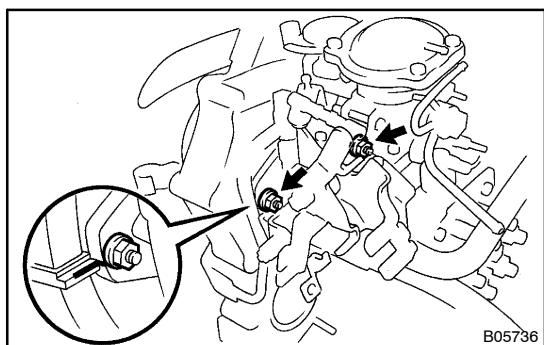
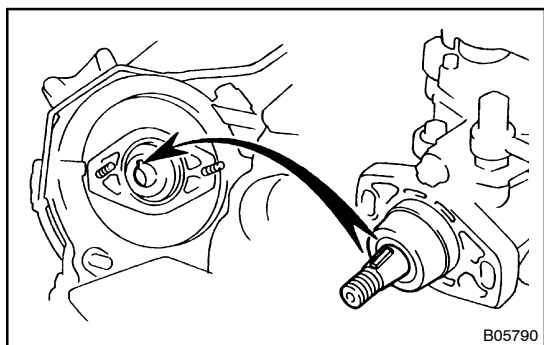
INSTALLATION

1. INSTALL INJECTION PUMP

NOTICE:

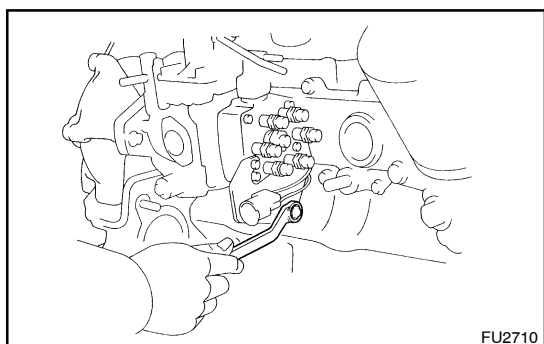
Do not put the injection pump at an angle more than 45° from the horizontal.

- (a) Install a new O-ring to the pump.
- (b) Apply a light coat of engine oil on the O-ring.
- (c) 1HD-T:
Place the No.1 Cylinder block insulator.
- (d) Align the set key on the drive shaft and groove of the injection pump drive gear.



- (e) Align the period lines (or matchmarks) of the injection pump and timing belt case.
- (f) Install the 2 nuts holding the injection pump to the timing gear case.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)



- (g) Install the injection pump stay with the bolt.

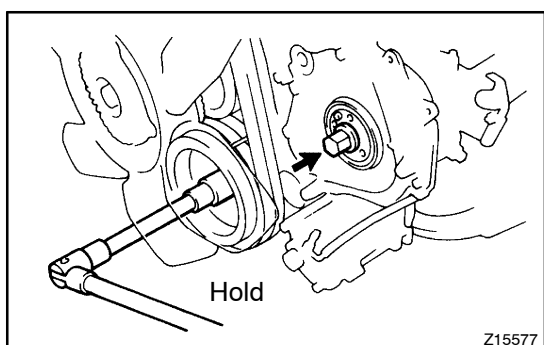
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)

NOTICE:

Before tightening to the standard torque, check whether the pump stay is up against the injection pump.

If there is a gap, loosen the bolts joining the pump stay to the cylinder block and set the pump stay against the injection pump.

- (h) Install a new O-ring to the injection pump drive gear.



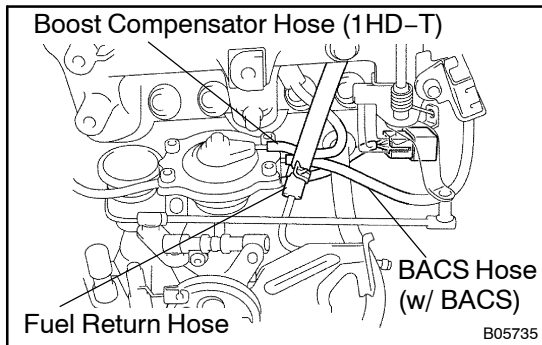
- (i) Install the injection pump drive gear set nut.
- (j) Hold the crankshaft pulley, and torque the nut.

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

NOTICE:

Do not turn the crankshaft pulley. The valve heads will hit against the piston top.

- (k) Check the thrust clearance of the injection pump drive shaft. ([See page EM-11](#))



2. CONNECT HOSES

- (a) Connect the fuel return hose.
- (b) 1HD-T:
Connect the boost compensator hose.
- (c) 1HD-T: (w/ BACS)
Connect the BACS hose.

3. A/T:

CONNECT THROTTLE POSITION SENSOR CONNECTOR TO ACCELERATOR LINK

4. w/ACSD:

CONNECT WATER BYPASS HOSES TO THERMO WAX

5. INSTALL NO.2 CAMSHAFT TIMING PULLEY

(See page EM-31)

6. INSTALL TIMING BELT (See page EM-31)

7. CHECK INJECTION TIMING (See page EM-11)

8. INSTALL INJECTION PIPES (See page FU-13)

Torque:

1HZ: 14.7 N·m (150 kgf·cm, 11 ft·lbf)

1HD-T: 24.5 N·m (250 kgf·cm, 18 ft·lbf)

9. 1HD-T:

INSTALL OIL FILTER (See page LU-2)

10. FILL WITH ENGINE COOLANT (See page CO-2)

11. START ENGINE AND CHECK FOR FUEL LEAKAGE