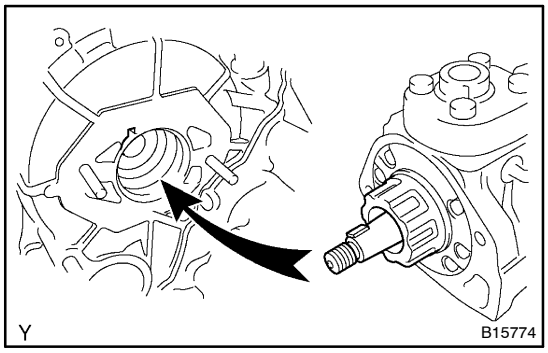
FU0AZ–01

INSTALLATION

NOTICE:

- **When installing, clean up the seal surface of the injector, injection pipe, fuel inlet pipe, supply pump and common rail with clean light oil.**
- **In case of having the common rail and/or injectors replaced, must replace injection pipes, too.**
- **In case of having the supply pump and/or common rail replaced, must replace fuel inlet pipe, too.**



1. INSTALL SUPPLY PUMP

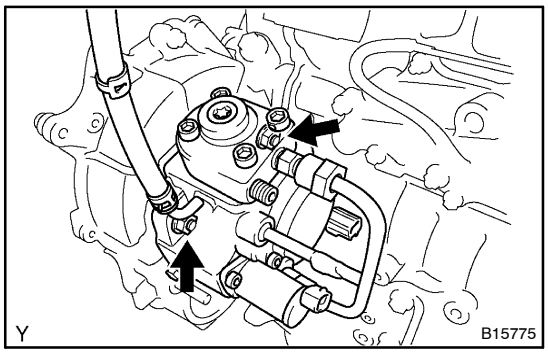
NOTICE:

Do not put the supply pump at an angle more than 35° from the horizontal.

(a) Install a new O–ring to the pump.

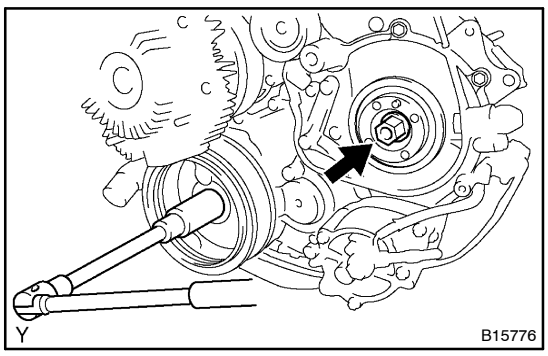
(b) Apply a light coat of engine oil on the O–ring.

(c) Align the key on the drive shaft and groove of the supply pump drive gear.



(d) Temporality Install the supply pump with the 2 nuts.
Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)

(e) Remove the gum tape from the fuel pipe.



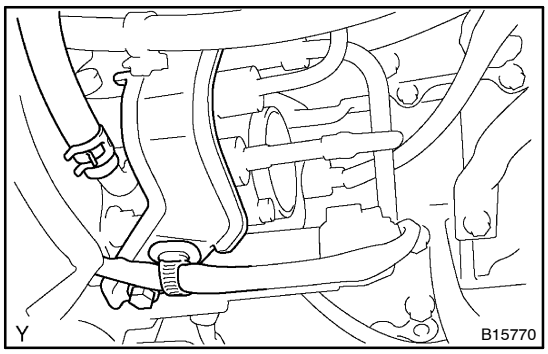
(f) Install the supply pump drive gear set nut.

(g) Hold the crankshaft pulley, and torque the nut.
Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

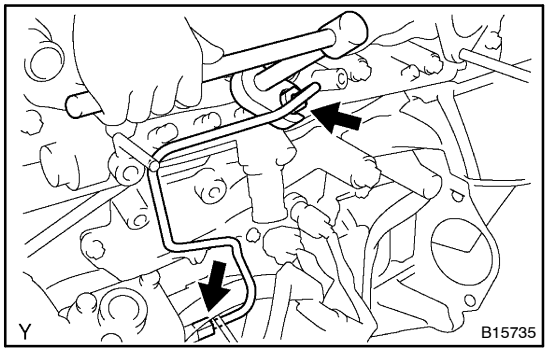
NOTICE:

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

(h) Check the thrust clearance of the injection pump drive shaft. (See page EM–30)



(i) Connect the fuel hose to the supply pump.



2. INSTALL FUEL INLET PIPE

(a) Temporarily install the fuel inlet pipe.

(b) Using SST, tighten the fuel inlet pipe union of common rail side.

SST 09023–12900

Torque:

35 N·m (357 kgf·cm, 26 ft·lbf)

HINT:

Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).

(c) Using SST, tighten the fuel inlet pipe union of supply pump side.

SST 09023–12700

Torque:

35 N·m (357 kgf·cm, 26 ft·lbf)

HINT:

Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).

3. BLEED INJECTION PIPE

Move the priming pump of the fuel filter up and down untill it becomes hard.

4. INSTALL SUPPLY PUMP DRIVE PULLEY
(See page EM–30)

5. INSTALL TIMING BELT COVER

6. CHECK FUEL LEAK (See page FU–8)