

8. Fuel Pressure Sensor

A: REMOVAL

CAUTION:

- Be careful not to spill fuel.
- Catch the fuel from the pipes using a container or cloth.

- 1) Disconnect the ground terminal from battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 2) Remove the intake manifold. <Ref. to FU(w/o STI)-18, REMOVAL, Intake Manifold.>
- 3) Remove the fuel injector RH. <Ref. to FU(w/o STI)-51, FUEL INJECTOR RH, REMOVAL, Fuel Injector.>

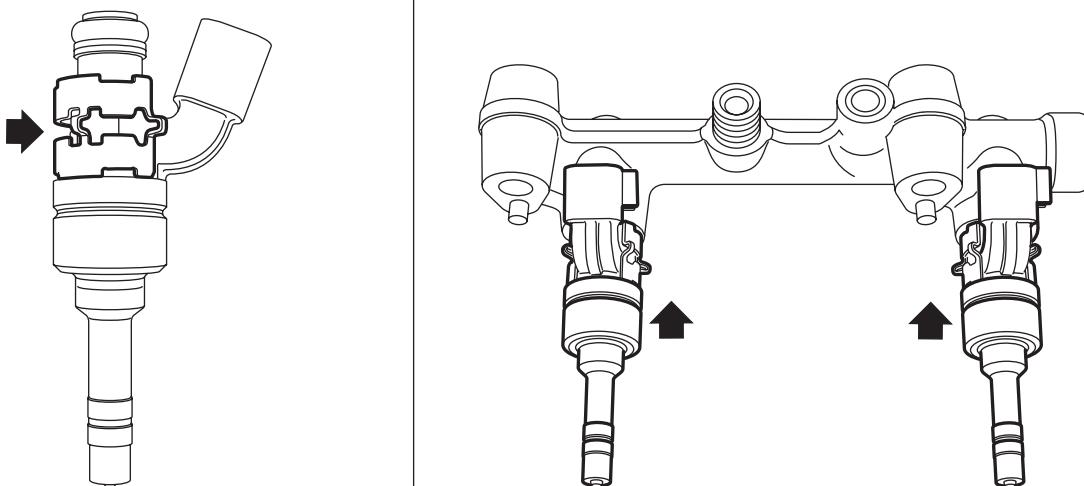
B: INSTALLATION

- 1) Replace injector seal, retainer, and O-ring with a new part. <Ref. to FU(w/o STI)-64, REPLACEMENT, Fuel Injector.>

- 2) Set the holder to the fuel injector, and install it to the fuel injector pipe RH.

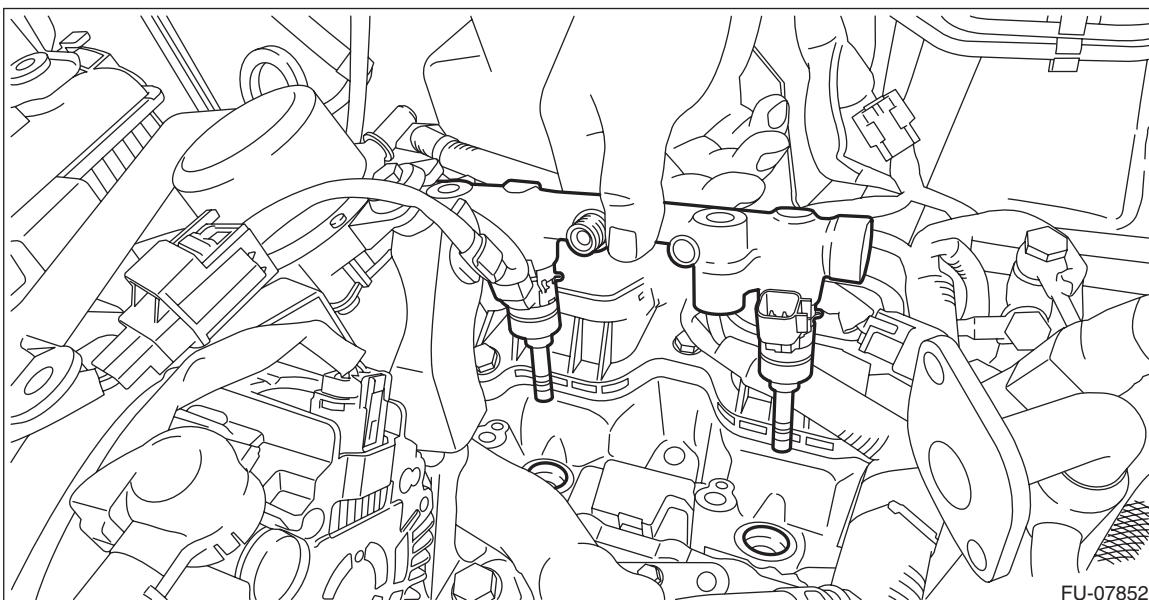
CAUTION:

- Always use a new holder.
- Always use a new fuel injector pipe RH.



FU-07520

- 3) Install the fuel injector pipe RH and fuel injector as a single unit to the cylinder head.



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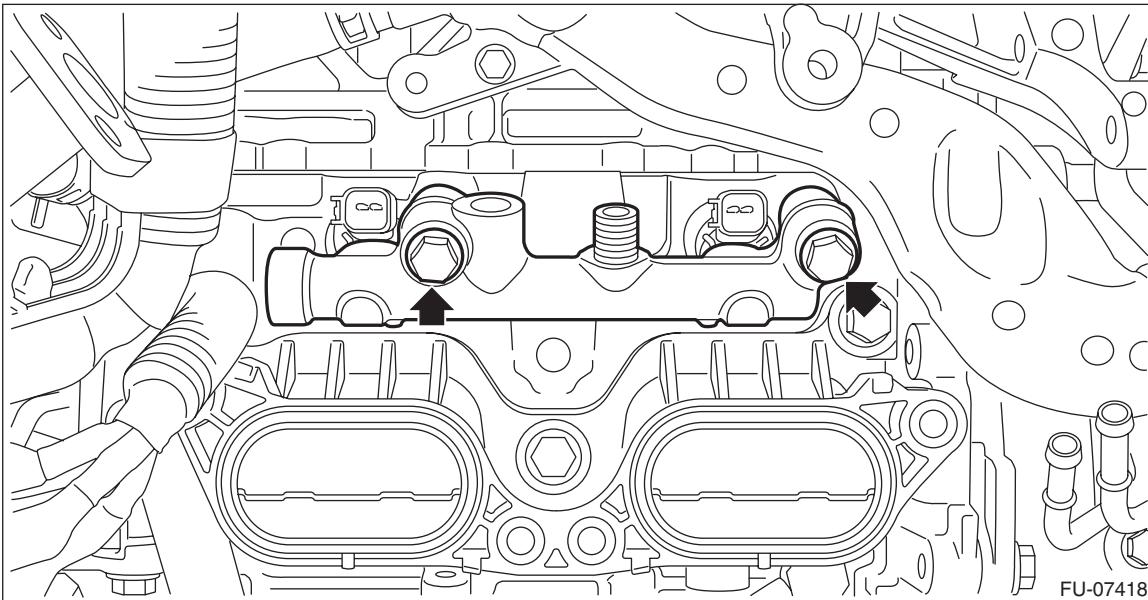
Fuel Pressure Sensor

FUEL INJECTION (FUEL SYSTEMS)

4) Tighten the fuel injector pipe RH.

Tightening torque:

19 N·m (1.9 kgf·m, 14.0 ft-lb)



5) Temporarily tighten the fuel pressure sensor to the fuel injector pipe RH until it cannot be turned by hand.

CAUTION:

Always use a new fuel pressure sensor.

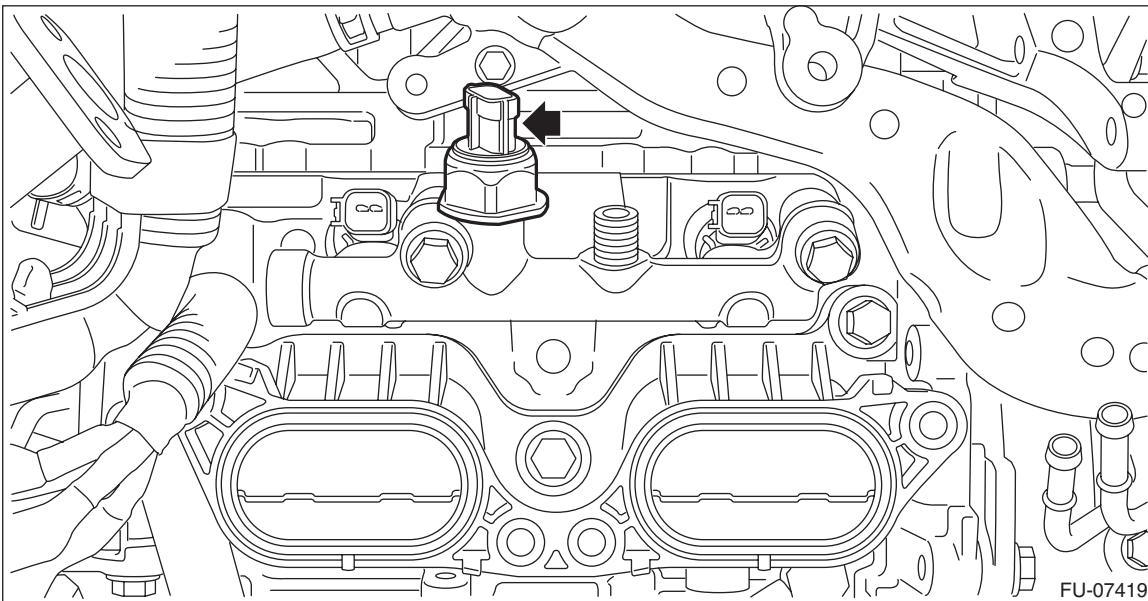
6) Tighten the fuel pressure sensor.

CAUTION:

- Be careful not to spill oil on the screw sections of the fuel pressure sensor and the fuel injector pipe RH.
- Be careful not to let foreign matter enter into the fuel pressure sensor during installation.
- Do not recheck the tightening torque after tightening the fuel pressure sensor with specified torque.

Tightening torque:

46 N·m (4.7 kgf·m, 33.9 ft-lb)



7) Install the high-pressure fuel delivery pipe assembly.

CAUTION:

Always use a new high-pressure fuel delivery pipe assembly.

(1) Temporarily tighten the flare nut (A) to the fuel injector pipe by hand until it is seated, and secure the high-pressure fuel delivery pipe assembly to the water pipe assembly using bolts (B).

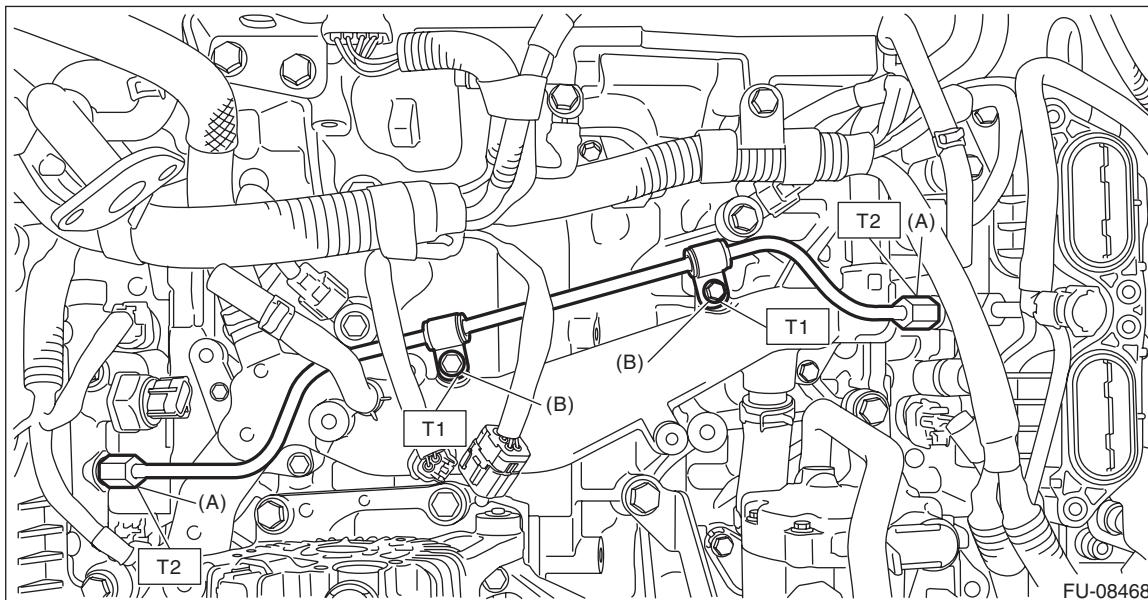
Tightening torque:

T1: 6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

(2) Tighten the flare nuts (A).

Tightening torque:

T2: 25 N·m (2.5 kgf-m, 18.4 ft-lb)



8) Install the fuel pipe insulator No. 3. <Ref. to FU(w/o STI)-50, FUEL PIPE INSULATOR NO. 3, INSTALLATION, Fuel Insulator.>

9) Install the fuel pipe insulator No. 2. <Ref. to FU(w/o STI)-50, FUEL PIPE INSULATOR NO. 2, INSTALLATION, Fuel Insulator.>

10) Install the fuel pipe insulator No. 1. <Ref. to FU(w/o STI)-49, FUEL PIPE INSULATOR NO. 1, INSTALLATION, Fuel Insulator.>

11) Install the intake manifold. <Ref. to FU(w/o STI)-29, INSTALLATION, Intake Manifold.>

12) Connect the ground terminal to battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>

C: INSPECTION

Check that the fuel pressure sensor has no deformation, cracks or other damages.