

## 8. Fuel Pressure Sensor

### A: REMOVAL

#### CAUTION:

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

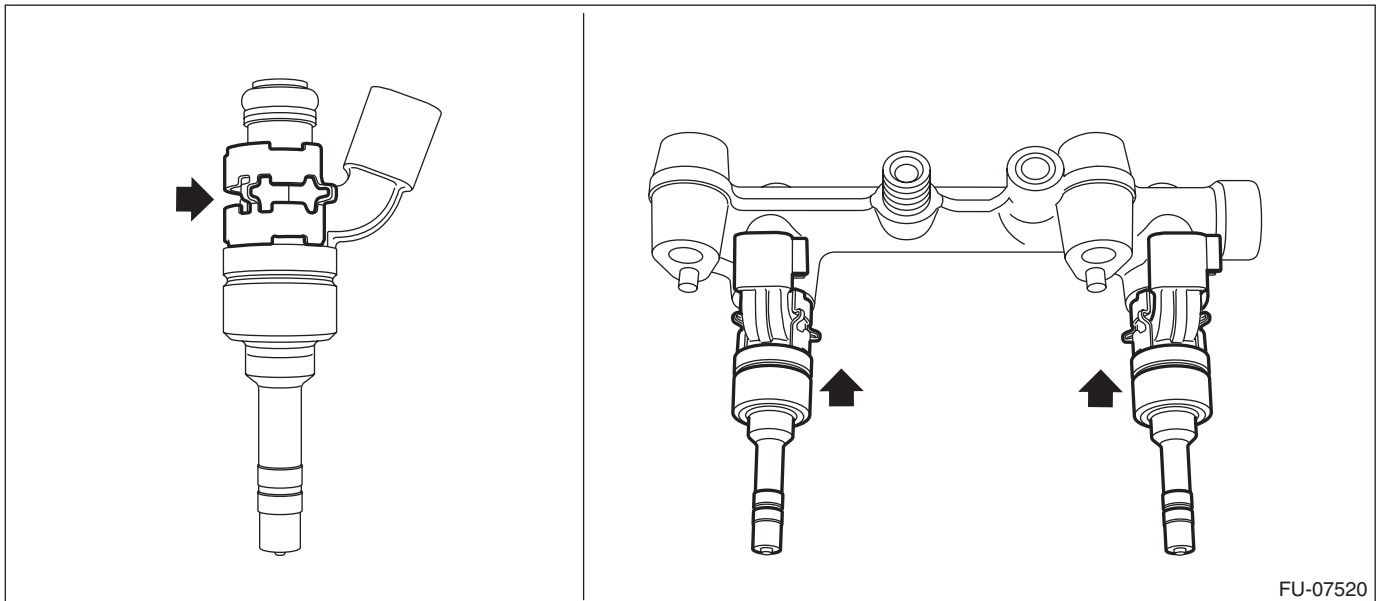
- 1) Release the fuel pressure. <Ref. to FU(H4DOTC)-152, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 2) Disconnect the ground cable from battery.
- 3) Open the fuel filler lid and remove the fuel filler cap.
- 4) Remove the intake manifold. <Ref. to FU(H4DOTC)-19, REMOVAL, Intake Manifold.>
- 5) Remove the fuel injector RH. <Ref. to FU(H4DOTC)-52, FUEL INJECTOR RH, REMOVAL, Fuel Injector.>

### B: INSTALLATION

- 1) Replace injector seal, retainer, and O-ring with a new part.<Ref. to FU(H4DOTC)-66, REPLACEMENT, Fuel Injector.>
- 2) Set the holder to the fuel injector, and install it to the fuel injector pipe RH.

#### CAUTION:

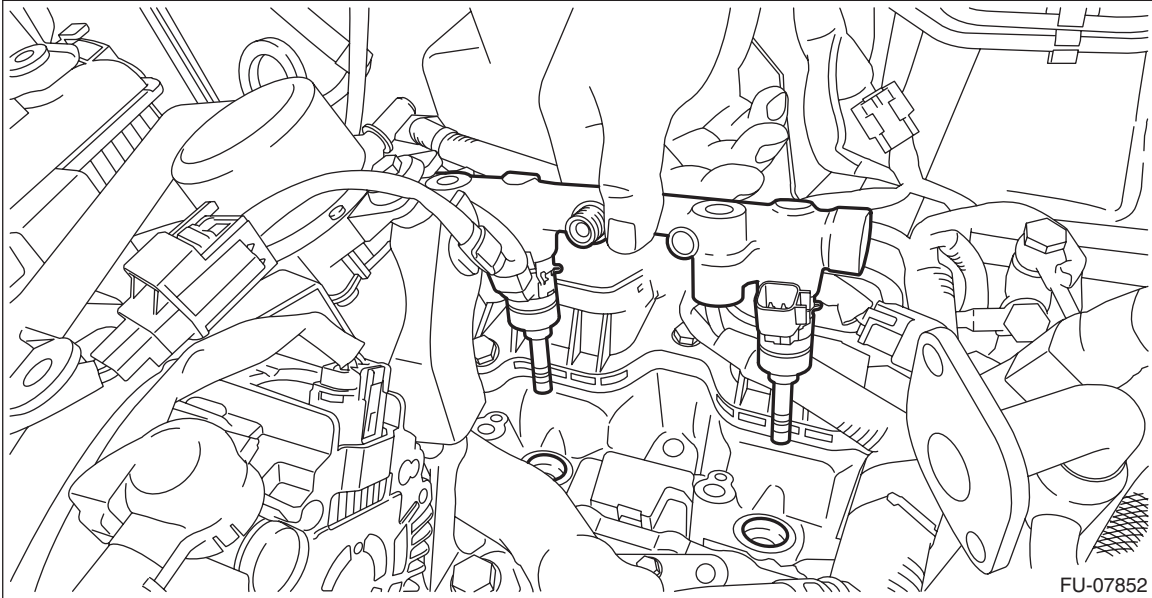
- Always use a new holder.
- Always use a new fuel injector pipe RH.



## Fuel Pressure Sensor

### FUEL INJECTION (FUEL SYSTEMS)

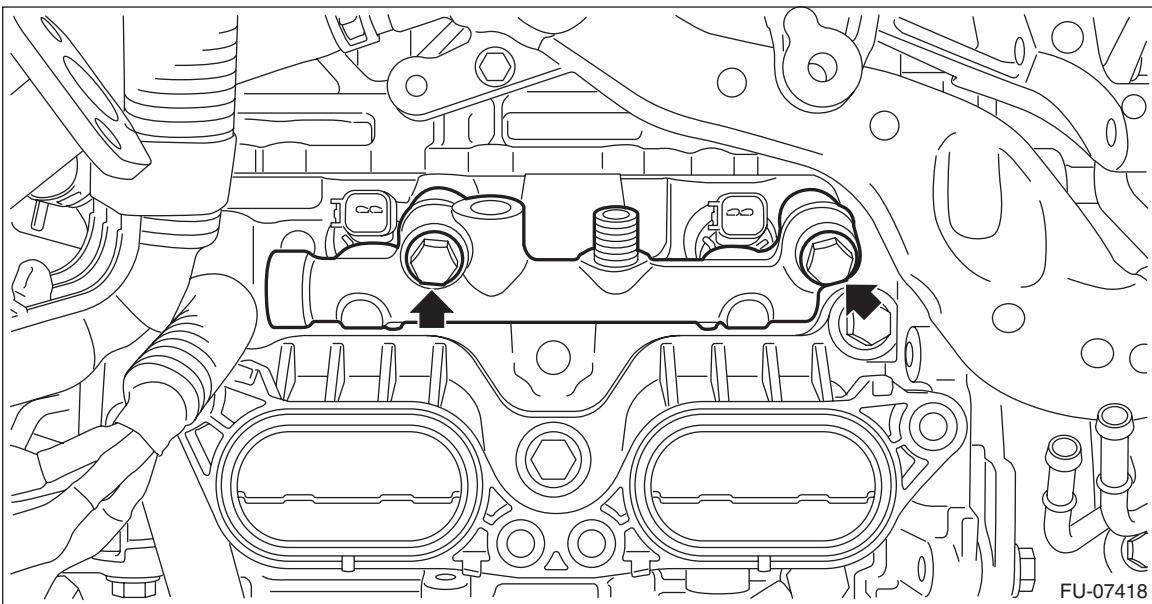
- 3) Install the fuel injector pipe RH and fuel injector as a single unit to the cylinder head.



- 4) Tighten the fuel injector pipe RH.

**Tightening torque:**

**19 N·m (1.9 kgf-m, 14.0 ft-lb)**



# Fuel Pressure Sensor

FUEL INJECTION (FUEL SYSTEMS)

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 .**

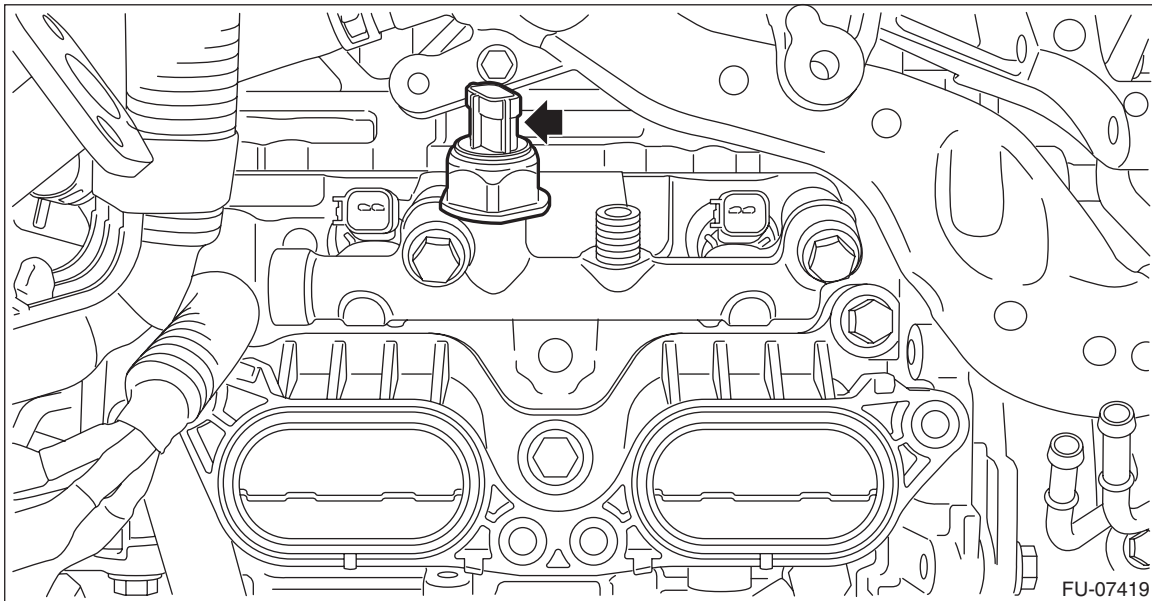
6) Tighten the fuel pressure sensor.

**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)**



# Fuel Pressure Sensor

## FUEL INJECTION (FUEL SYSTEMS)

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).

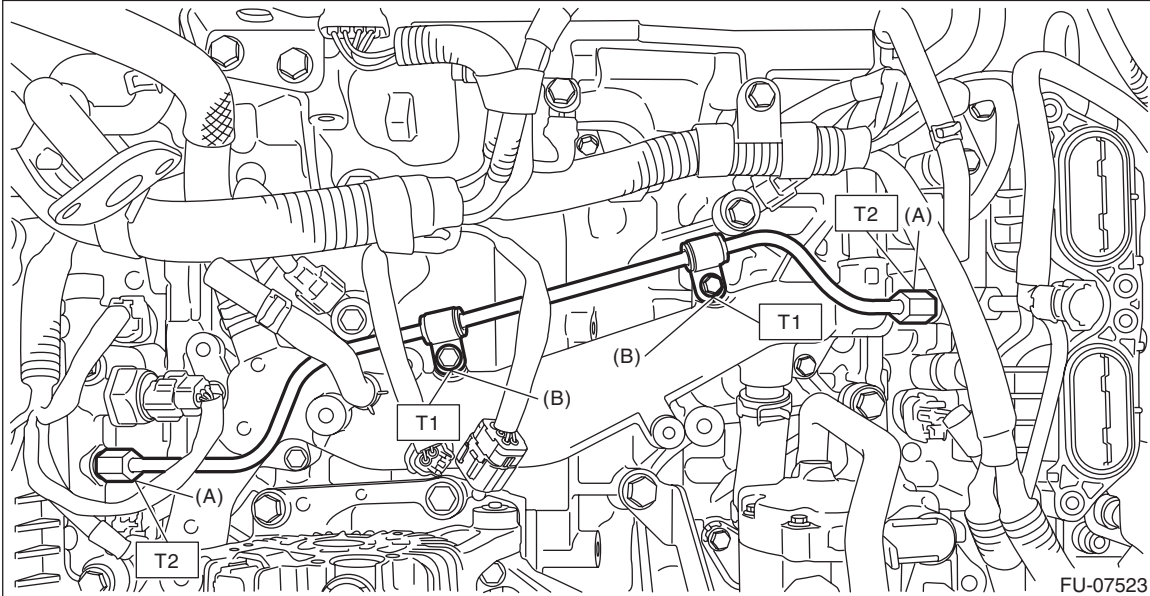
### Tightening torque:

**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(H4DOTC)-51, FUEL PIPE INSULATOR NO. 3, INSTALLATION, Fuel Insulator.>

9) Install the fuel pipe insulator No. 2.<Ref. to FU(H4DOTC)-51, FUEL PIPE INSULATOR NO. 2, INSTALLATION, Fuel Insulator.>

10) Install the fuel pipe insulator No. 1.<Ref. to FU(H4DOTC)-50, FUEL PIPE INSULATOR NO. 1, INSTALLATION, Fuel Insulator.>

11) Install the intake manifold.<Ref. to FU(H4DOTC)-30, INSTALLATION, Intake Manifold.>

12) Connect the battery ground terminal.

## C: INSPECTION

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