

7. Fuel Pressure

A: INSPECTION

1. GASOLINE ENGINE MODEL

CAUTION:

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

1) Release the fuel pressure. <Ref. to FU(H4DO(w/o HEV))-109, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>

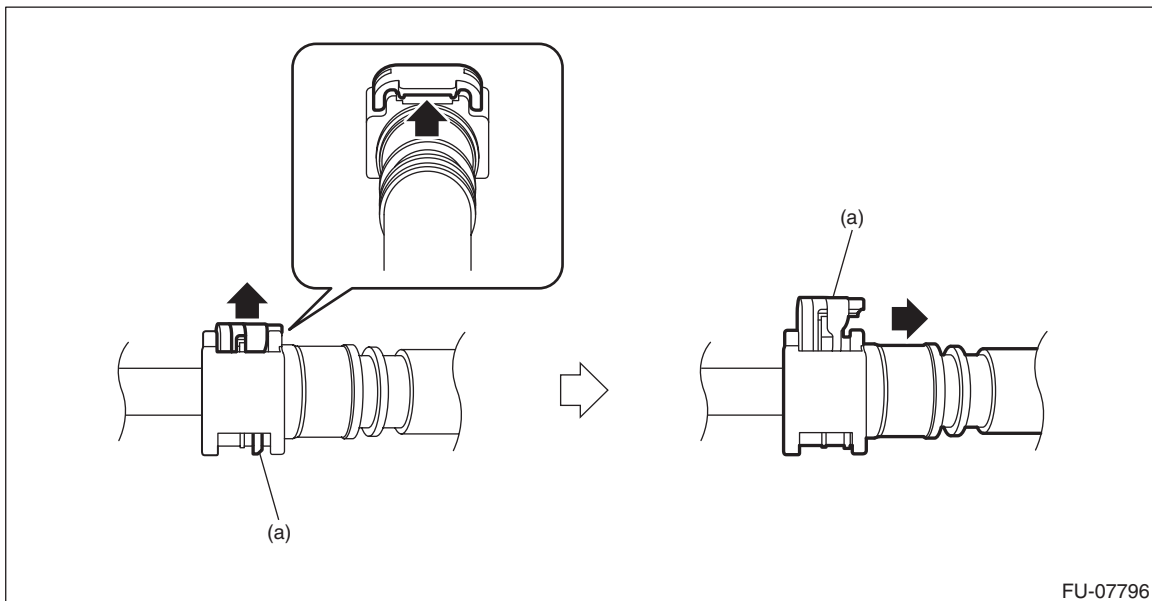
2) Open the fuel filler lid and remove the fuel filler cap.

3) Disconnect the fuel delivery tube from the fuel delivery pipe, and connect the fuel pressure gauge.

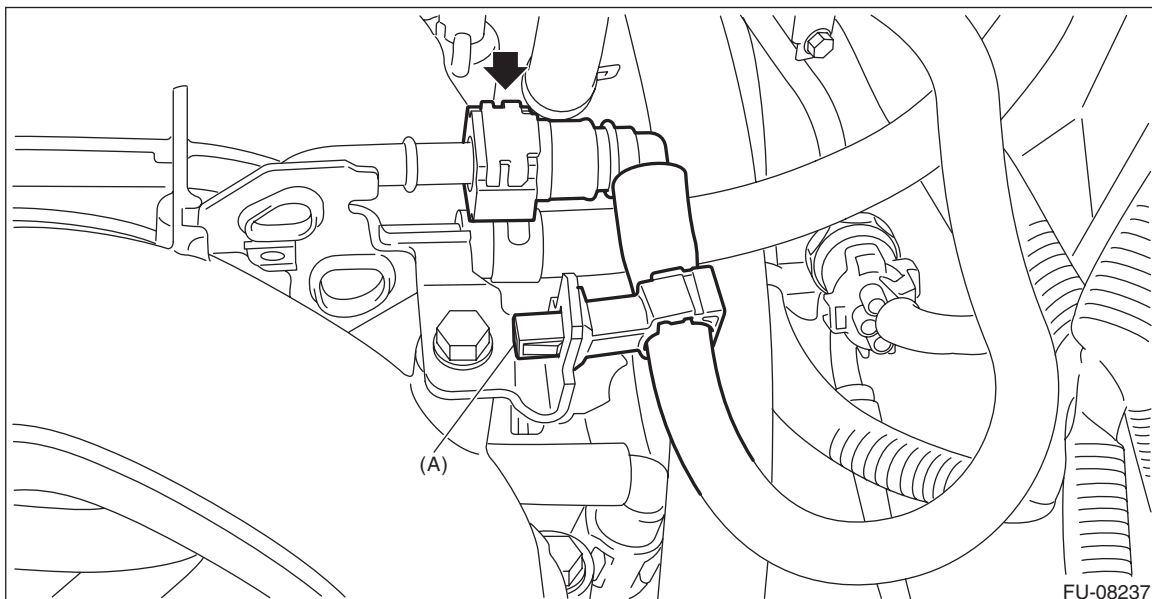
- (1) Disconnect the quick connector on the fuel delivery tube from the fuel pipe assembly, and remove the clip (A) securing the fuel delivery tube to the fuel pipe assembly.

NOTE:

Disconnect the quick connector as shown in the figure.



(a) Slider



Fuel Pressure

MECHANICAL

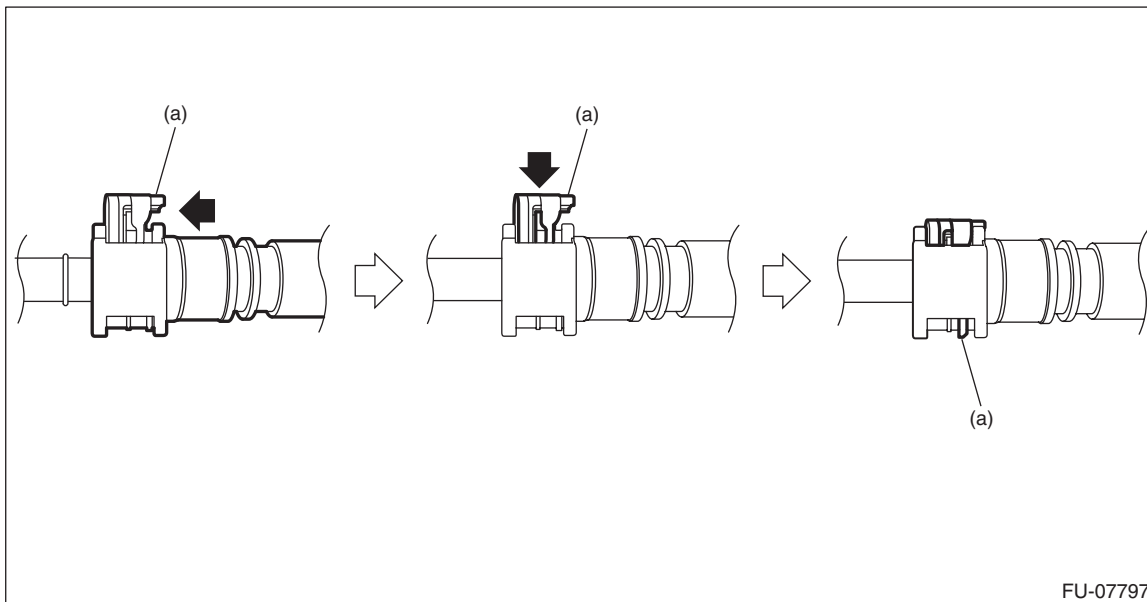
(2) Connect the fuel pressure gauge with ST1 and ST2.

CAUTION:

- Check that there is no damage or dust on the quick connector. If necessary, clean the seal surface of the pipe.
- When connecting the quick connector with slider, make sure to insert the ST2 all the way in before locking the slider.
- When it is difficult to lock the slider, check that the ST2 is fully inserted.
- Make sure that the quick connector is securely connected.

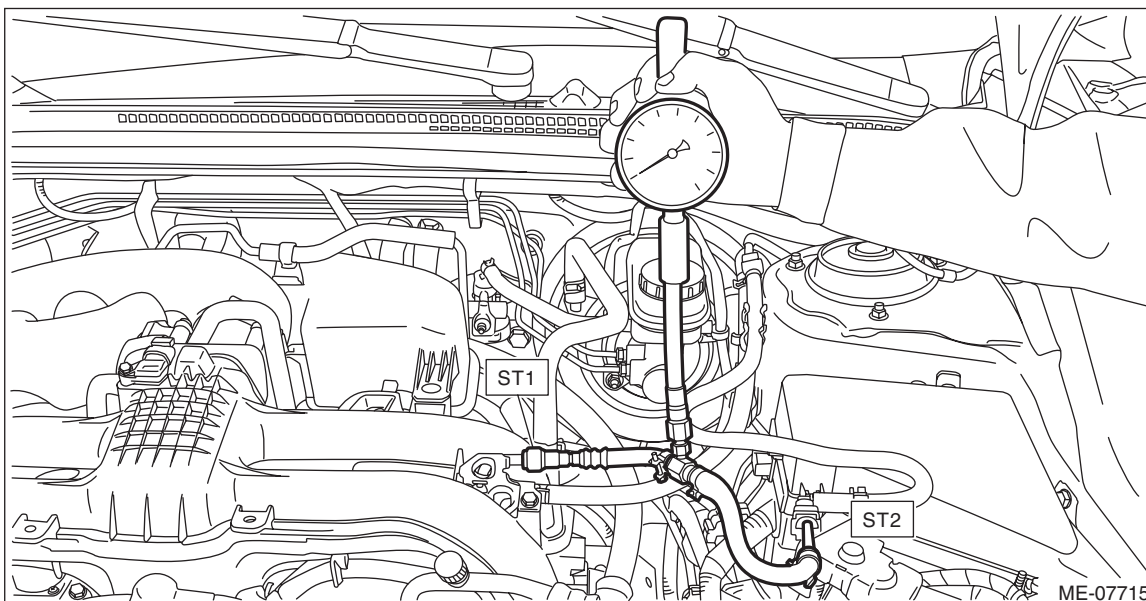
NOTE:

- ST1 is a SUBARU genuine part.
- When connecting the ST2 to the quick connector on the fuel delivery tube, connect as shown in the figure.



(a) Slider

ST1	42075AG690	FUEL HOSE
ST2	18471AA000	FUEL PIPE ADAPTER



4) Start the engine.

5) Check the fuel pressure after warming up the engine.

NOTE:

- The fuel pressure gauge registers 10 to 20 kPa (0.1 to 0.2 kg/cm², 1 to 3 psi) higher than standard values during high-altitude operations.
- Check or replace the fuel pump and fuel delivery line if the fuel pressure is out of the standard.

Fuel pressure:

Standard

340 — 400 kPa (3.5 — 4.1 kg/cm², 49 — 58 psi)

6) After inspection, install the related parts in the reverse order of removal.

CAUTION:

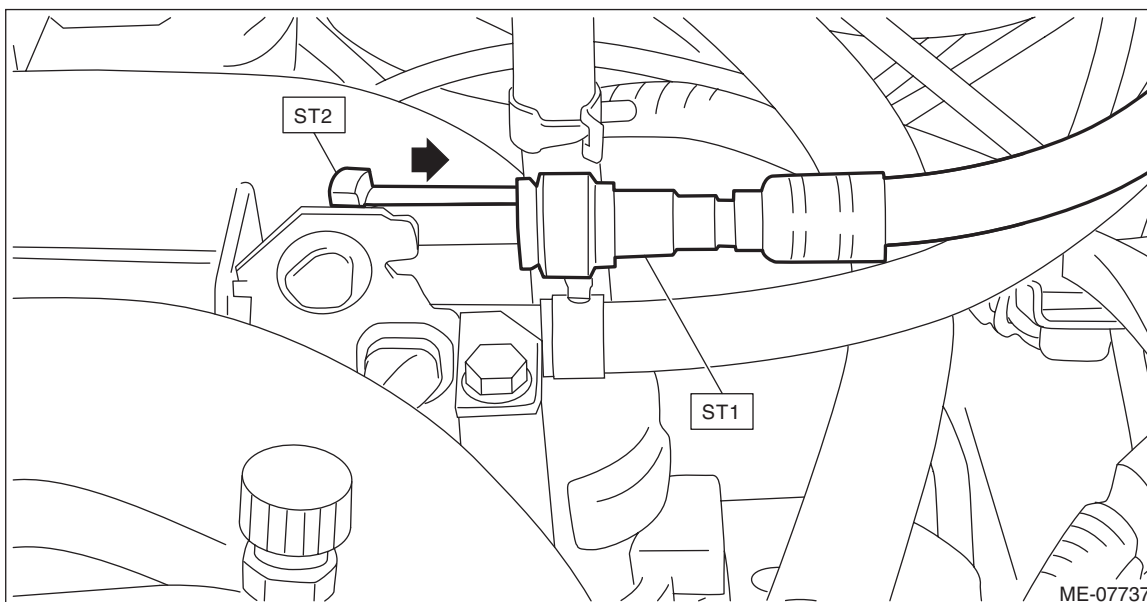
- Before removing the fuel pressure gauge, release the fuel pressure.
- Be careful not to spill fuel.
- Catch the fuel from hoses and tubes using a container or cloth.
- Check that there is no damage or dust on the quick connector. If necessary, clean the seal surface of the pipe.
- When connecting the quick connector with slider, make sure to insert the pipe all the way in before locking the slider.
- When it is difficult to lock the slider, check that the pipe is fully inserted.
- Make sure that the quick connector is securely connected.

NOTE:

- When disconnecting the ST1, install the ST2 to the fuel pipe assembly, and press the ST2 in the direction of arrow to disconnect the quick connector on the ST1.

ST1 42075AG690 FUEL HOSE

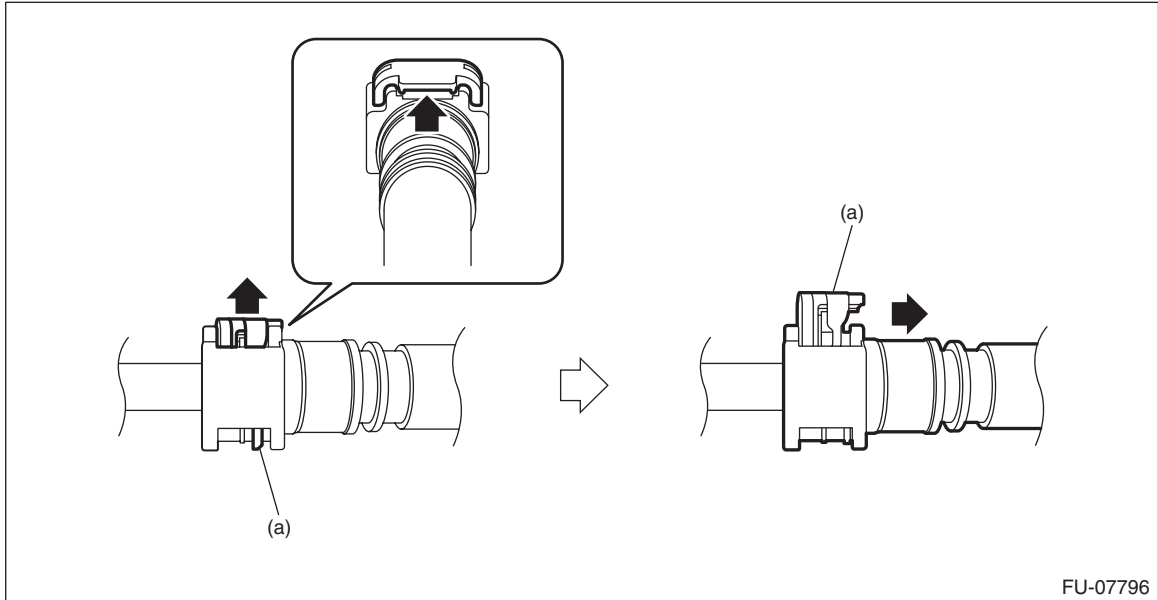
ST2 42099AE000 QUICK CONNECTOR RELEASE



Fuel Pressure

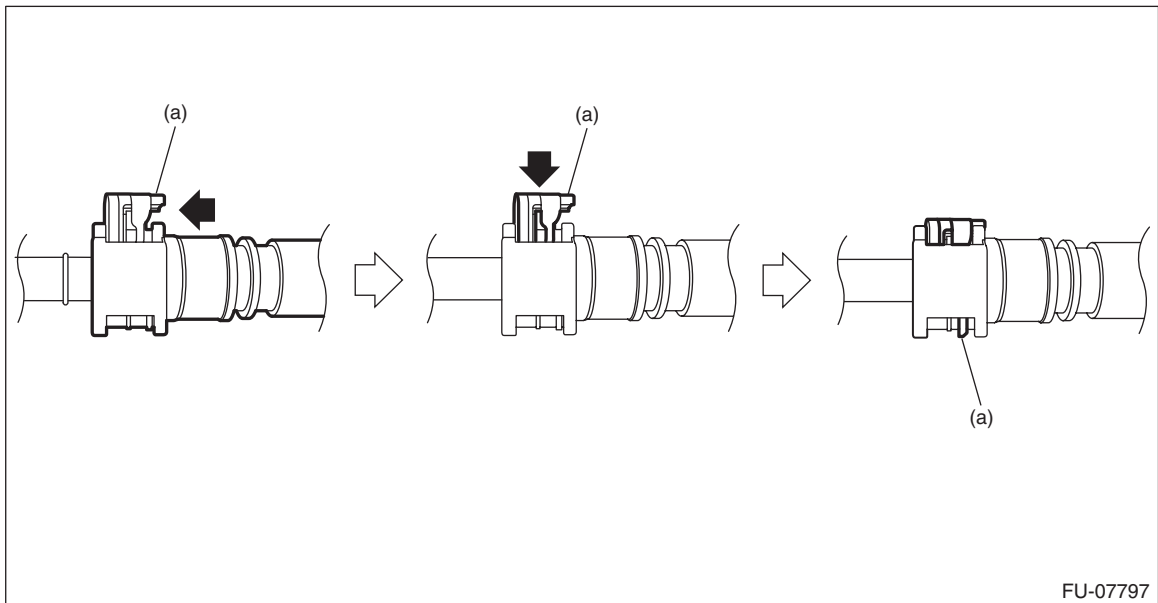
MECHANICAL

- Disconnect the quick connector on the fuel delivery tube as shown in the figure.



(a) Slider

- Connect the quick connector on the fuel delivery tube as shown in the figure.



(a) Slider

2. HEV MODEL

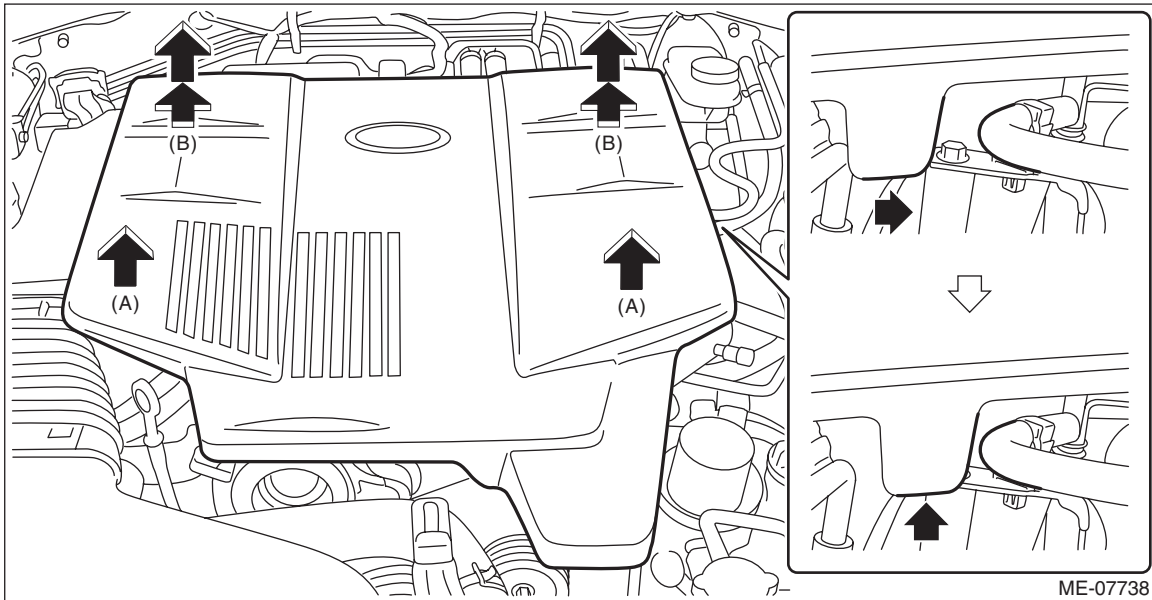
CAUTION:

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

- 1) Turn the ignition switch to OFF.
- 2) Remove the collector cover.
 - (1) Carefully pull up the front of collector cover at two positions (A).
 - (2) Carefully pull up the rear of collector cover at two positions (B) while moving it backward.

NOTE:

Be careful not to contact the fuel delivery tube when moving the collector cover rearward.



ME-07738

- 3) Release the fuel pressure. <Ref. to FU(H4DO(HEV))-98, RELEASING OF FUEL PRESSURE, PROCEDURE, Fuel.>
- 4) Open the fuel filler lid and remove the fuel filler cap.

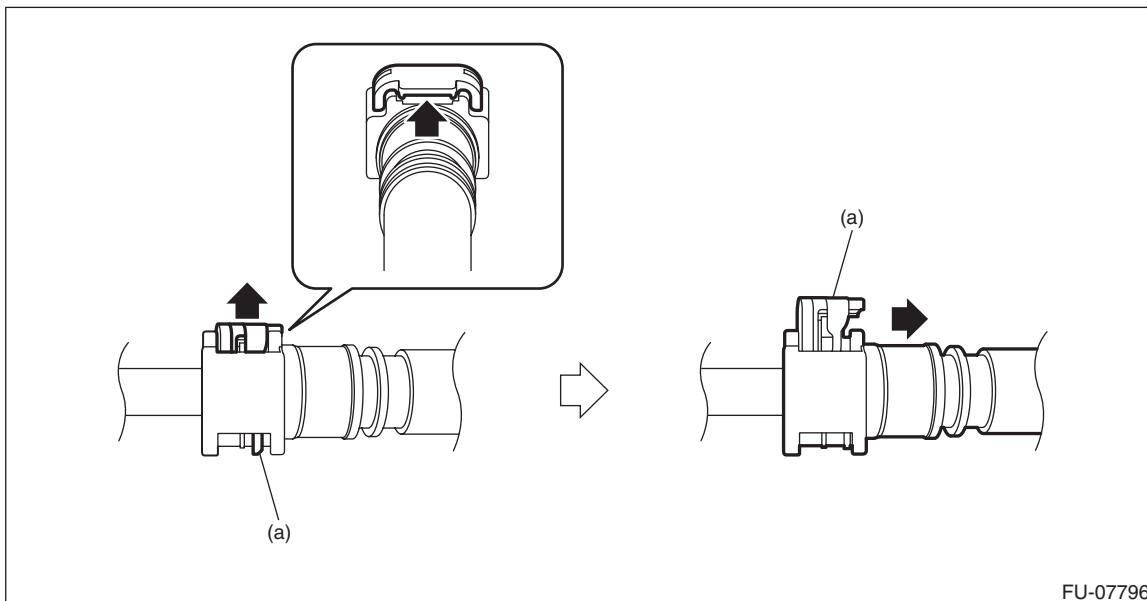
Fuel Pressure

MECHANICAL

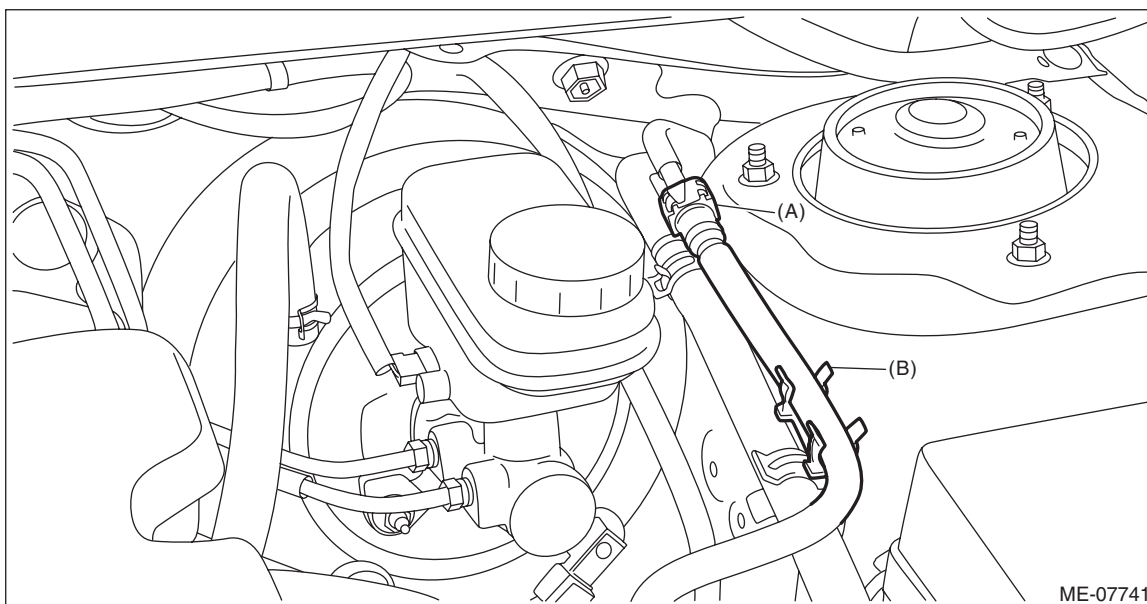
- 5) Disconnect the fuel delivery tube from the fuel pipe assembly, and connect the fuel pressure gauge.
- (1) Disconnect the quick connector (A) of the fuel delivery tube from the fuel pipe assembly, and remove the fuel delivery tube from the hose clamp (B).

NOTE:

Disconnect the quick connector as shown in the figure.



(a) Slider



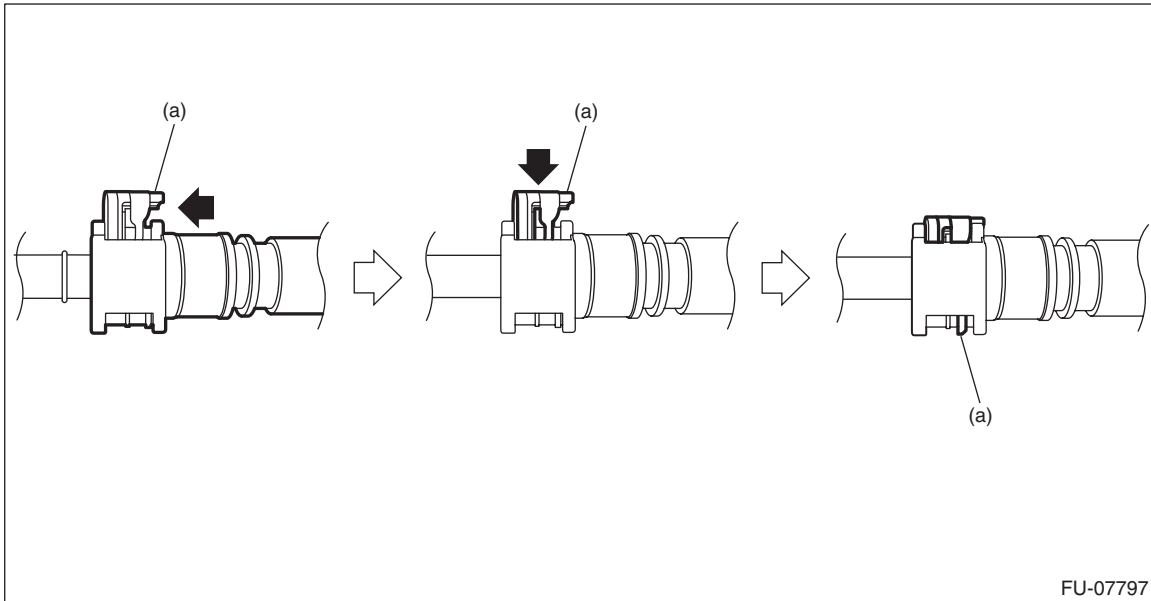
- (2) Connect the fuel pressure gauge with ST1 and ST2.

CAUTION:

- Check that there is no damage or dust on the quick connector. If necessary, clean the seal surface of the pipe.
- When connecting the quick connector with slider, make sure to insert the ST2 all the way in before locking the slider.
- When it is difficult to lock the slider, check that the ST2 is fully inserted.
- Make sure that the quick connector is securely connected.

NOTE:

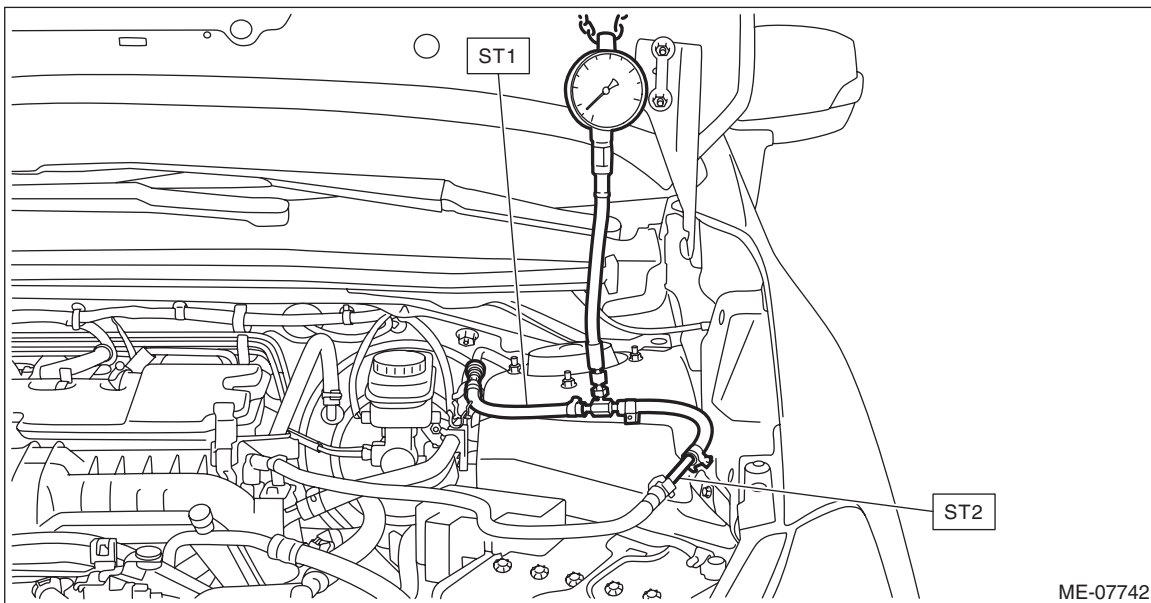
- ST1 is a SUBARU genuine part.
- When connecting the ST2 to the quick connector on the fuel delivery tube, connect as shown in the figure.



FU-07797

(a) Slider

ST1 42075AG690 FUEL HOSE
ST2 18471AA000 FUEL PIPE ADAPTER



ME-07742

- 6) Start the engine.
- 7) Check the fuel pressure after warming up the engine.

NOTE:

- The fuel pressure gauge registers 10 to 20 kPa (0.1 to 0.2 kg/cm², 1 to 3 psi) higher than standard values during high-altitude operations.
- Check or replace the fuel pump and fuel delivery line if the fuel pressure is out of the standard.

Fuel pressure:

Standard

340 — 400 kPa (3.5 — 4.1 kg/cm², 49 — 58 psi)

Fuel Pressure

MECHANICAL

8) After inspection, install the related parts in the reverse order of removal.

CAUTION:

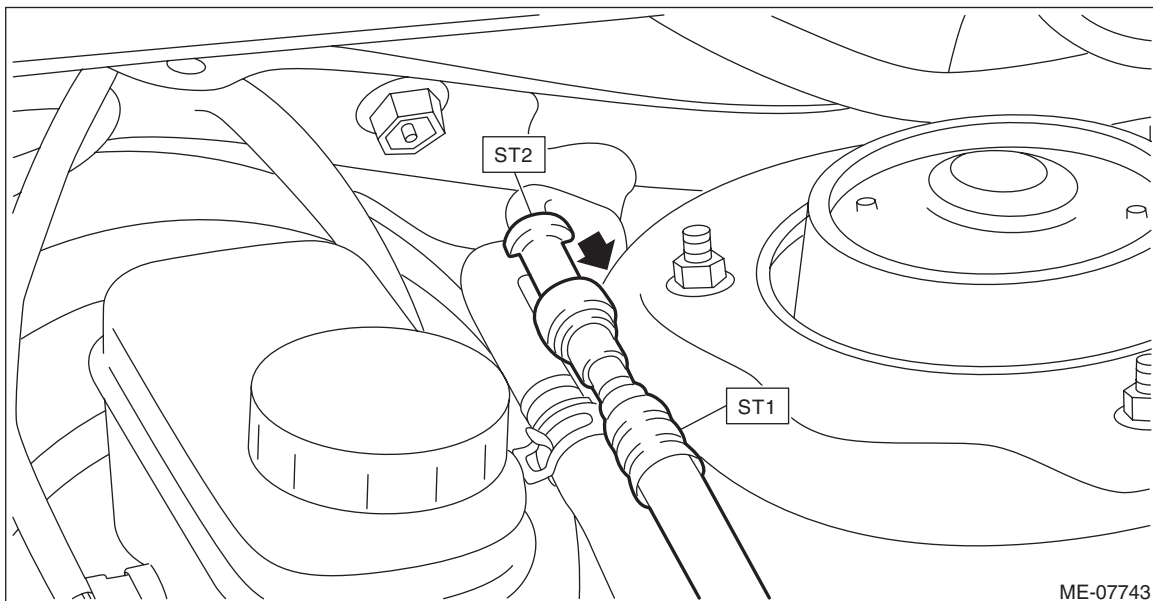
- Before removing the fuel pressure gauge, release the fuel pressure.
- Be careful not to spill fuel.
- Catch the fuel from hoses and tubes using a container or cloth.
- Check that there is no damage or dust on the quick connector. If necessary, clean the seal surface of the pipe.
- When connecting the quick connector with slider, make sure to insert the pipe all the way in before locking the slider.
- When it is difficult to lock the slider, check that the pipe is fully inserted.
- Make sure that the quick connector is securely connected.

NOTE:

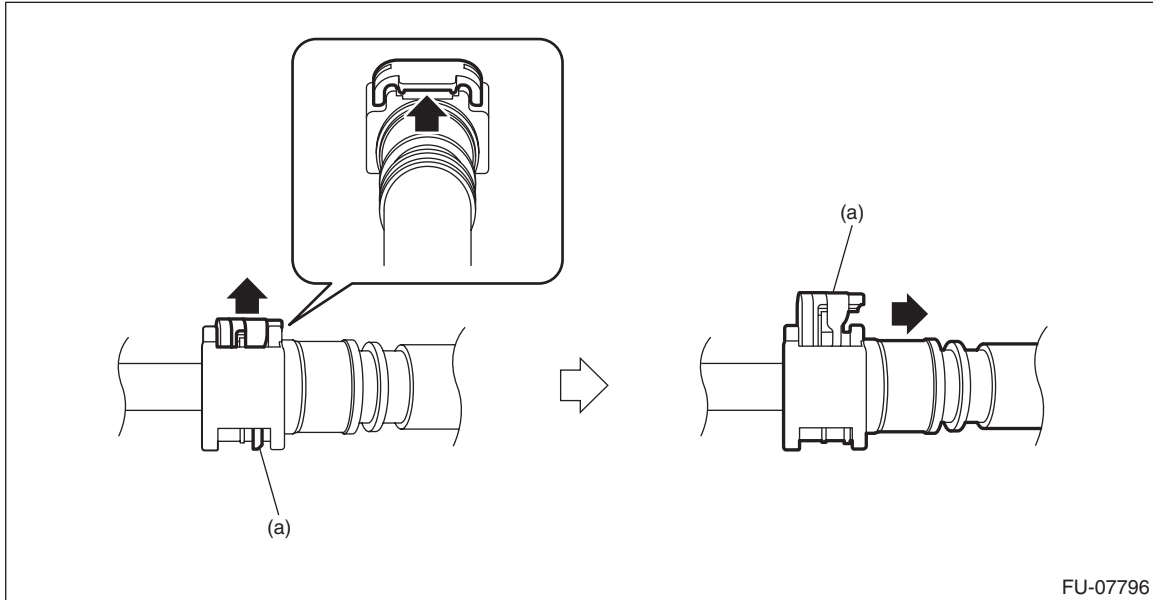
- When disconnecting the ST1, install the ST2 to the fuel pipe assembly, and press the ST2 in the direction of arrow to disconnect the quick connector on the ST1.

ST1 42075AG690 FUEL HOSE

ST2 42099AE000 QUICK CONNECTOR RELEASE

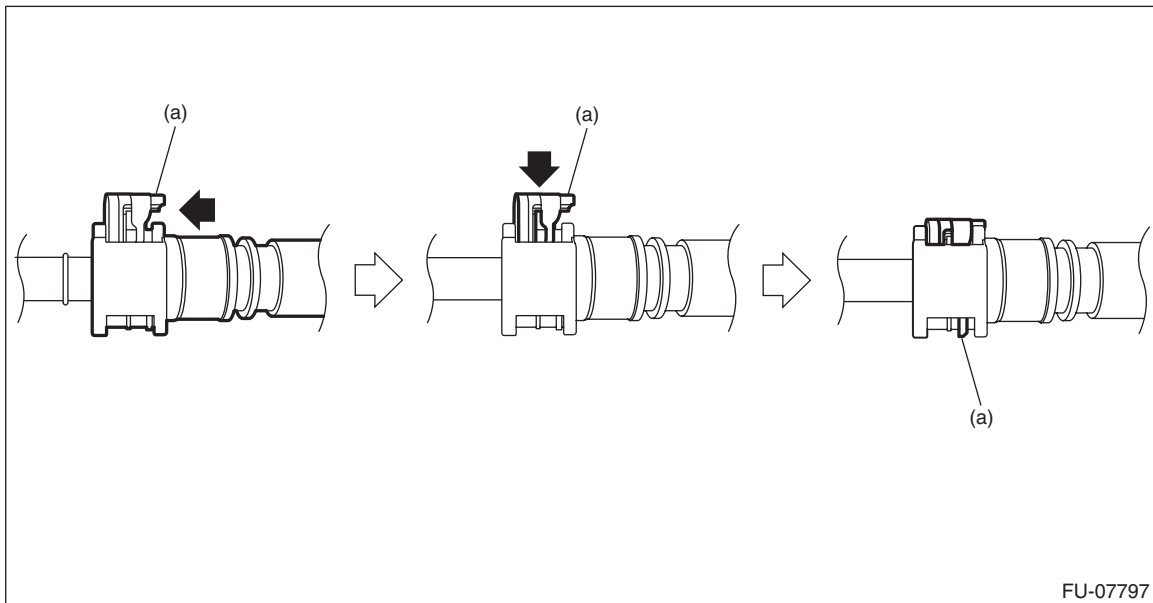


- Disconnect the quick connector on the fuel delivery tube as shown in the figure.



(a) Slider

- Connect the quick connector on the fuel delivery tube as shown in the figure.



(a) Slider