FUEL FILTER ELEMENT SUB–ASSY (1KD–FTV)

110LM–01

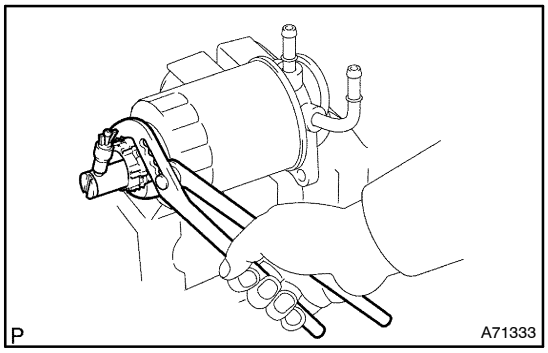
REPLACEMENT

1. REMOVE FUEL FILTER ASSY

(a) Remove the 2 fuel hoses.
(b) Disconnect each connector of the level warning switch and fuel heater from the fuel filter assy.
(c) Remove the 2 nuts and fuel filter assy.

2. DRAIN FUEL

(a) Loosen the fuel filter drain plug, and then drain the fuel from the fuel filter assy.

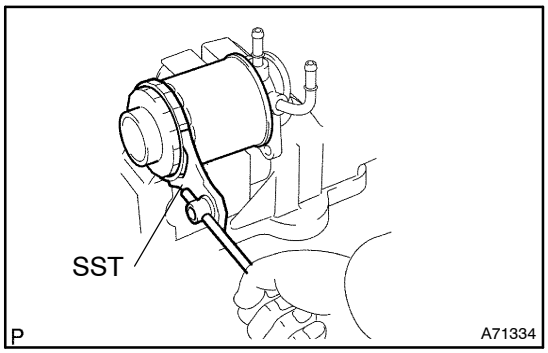


3. REMOVE FUEL FILTER ELEMENT SUB–ASSY

(a) Remove the 2 bolts, and remove the drain union cover.
(b) Fix the fuel filter cap with a vice.
(c) Using a water pump preyer, remove the level warning switch and O–ring.

NOTICE:

Be careful not to damage the level warning switch.



(d) Using SST, remove the fuel filter element.
SST 09228–64040

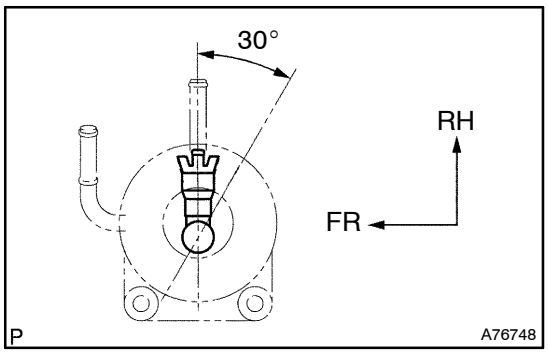
4. INSTALL FUEL FILTER ELEMENT SUB–ASSY

(a) Apply a bit of fuel to a new gasket, and then install the fuel filter element to the fuel filter cap.

NOTICE:

Do not use SST to tighten up.

(b) Install a new O–ring to the warning switch.
(c) Apply fuel to the O–ring of the warning switch.
(d) Install the level warning switch to a new fuel filter by hand.



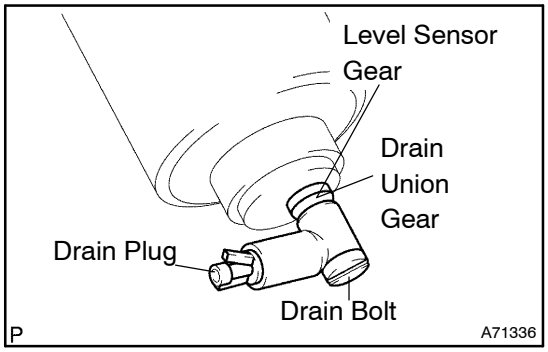
(e) Make sure that the fuel filter drain plug is within the range indicated in the illustration.

NOTICE:

If the drain union is out of the range, it will get difficult to drain water from the fuel filter after the installation. As well as, the drain union may contact or hit a vehicle body when the fuel filter assembly is installed.

HINT:

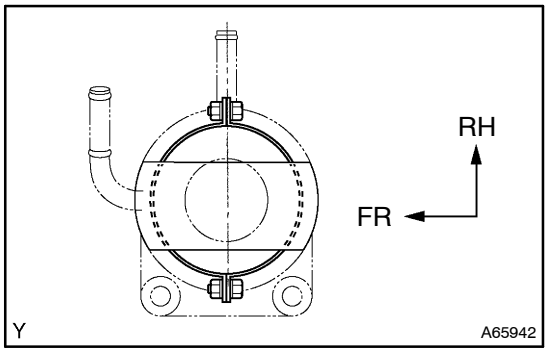
In case of the drain union is not within the range, reset it in the following procedure.



(1) Remove the drain bolt.
(2) Rest the drain union to be within the range shown in the illustration.

NOTICE:
Be sure to engage both gears of the drain union and level sensor in order to prevent fuel leak.

(3) Fasten the drain bolt.



(f) Tighten the 2 bolts with an angle as shown in the illustration for the drain union cover.
Torque: 2.6 N·m (27 kgf·cm, 23 in.·lbf)

5. INSTALL FUEL FILTER ASSY

(a) Install the fuel filter assy with the 2 nuts.
Torque: 18 N·m (178 kgf·cm, 13 ft·lbf)
(b) Connect each connector of the level warning switch and fuel heater to the fuel filter.
(c) Install the 2 fuel hoses to the fuel filter cap.

6. ADD FUEL

(a) Push the priming pump for several times to fill up the fuel filter with fuel.

7. CHECK FUEL LEAK