# FUEL FILTER ELEMENT (1KZ–TE)

110L7–01

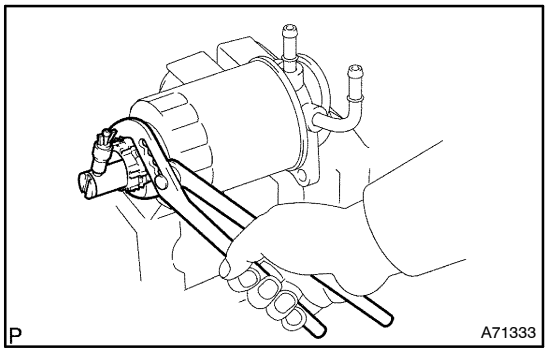
## REPLACEMENT

**1. REMOVE FUEL FILTER ASSY**

(a) Disconnect the fuel hoses.
(b) Disconnect the level warning switch connector.
(c) Remove the 2 nuts and fuel filter assembly.

**2. DRAIN FUEL**

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

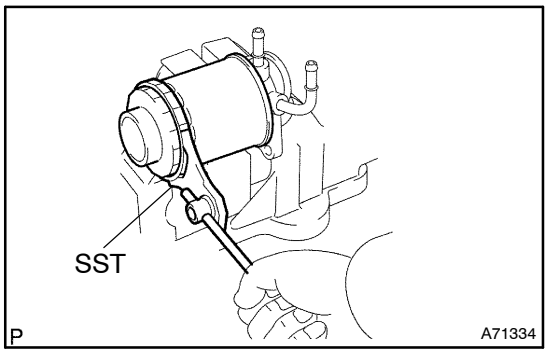



**3. REMOVE LEVEL WARNING SWITCH**

(a) Remove the 2 bolts and drain union cover.
(b) Mount the fuel filter cap in a soft jaw 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.**




**4. REMOVE FUEL FILTER ELEMENT**

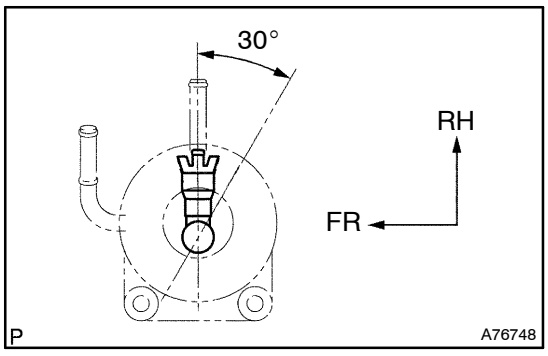
(a) Using SST, remove the fuel filter element.
SST 09228–64010

**5. INSTALL FUEL FILTER ELEMENT**

(a) Check and clean the fuel filter installation surface.
(b) Apply fuel to the gasket of a new fuel filter.
(c) Lightly screw the fuel filter into place, and tighten it until the gasket comes into contact with the seat.
(d) Tighten it additional 3/4 turn by hand.

**6. INSTALL LEVEL WARNING SWITCH**

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



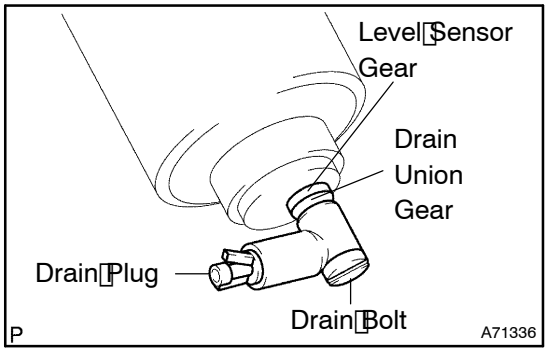

(d) Make sure that the drain union is within the range as shown in the illustration.

**NOTICE:**

**If the drain union is out of the range, it will get difficult to drain water from the fuel filter after the installation.**

HINT:

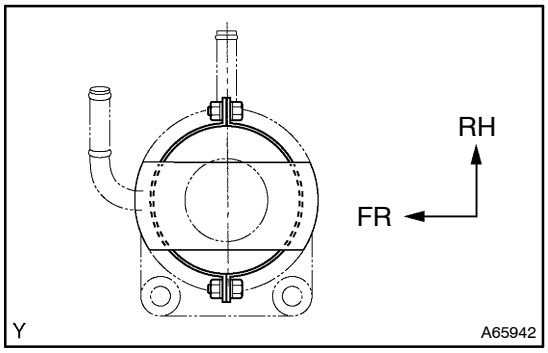
In case of the drain union is not within the range, reset it in the following procedure.




(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.




(e) 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)**

**7. INSTALL FUEL FILTER ASSY**
(a) Install the fuel filter assembly with the 2 nuts.
**Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)**
(b) Connect the level warning switch connector.
(c) Connect the fuel hoses.
**8. REFILL FUEL**
(a) Push the pump for several times until it gets a resistance to fill the fuel filter with fuel.
**9. CHECK FOR FUEL LEAKS (See page 11–77)**