

# FUEL SYSTEM (2AZ-FE)(From July, 2003)

110XE-02

## PRECAUTION

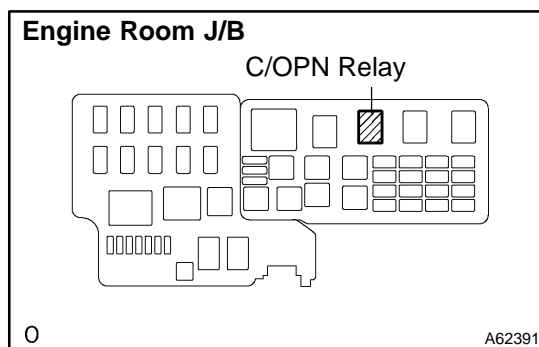
### 1. PRECAUTION

- (a) Before working on the fuel system, disconnect the negative (–) terminal cable from the battery.
- (b) Do not smoke or be near an open flame when working on the fuel system.
- (c) Keep gasoline away from rubber or leather parts.

### 2. DISCHARGE FUEL SYSTEM PRESSURE

#### CAUTION:

- Do not disconnect any part of the fuel system until you have discharged the fuel system pressure.
- Even after discharging the fuel pressure, place a shop rag over fittings as you separate them to reduce risk of fuel spray on yourself or in the engine compartment.



- (a) Remove the C/OPN relay from the engine room J/B.
- (b) Start the engine. After the engine has stopped, turn the ignition switch OFF.

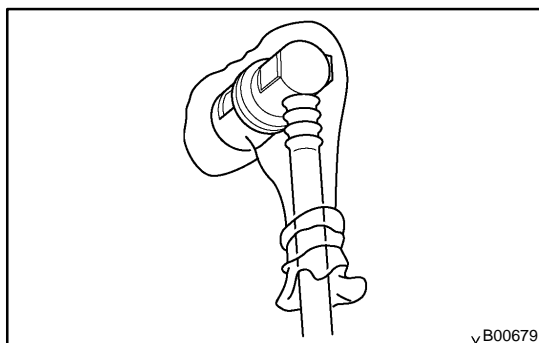
#### HINT:

There is a case that DTC P0171 (system too lean) is output.

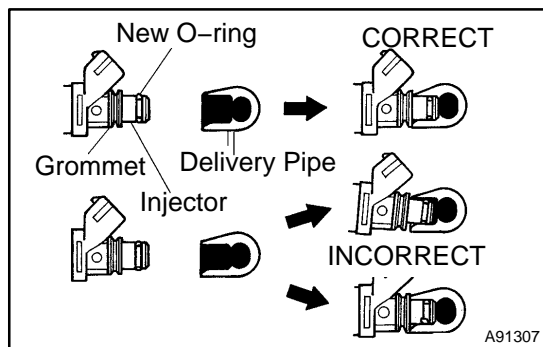
- (c) Check that the engine does not start.
- (d) Remove the fuel tank cap, and let the air out of the fuel tank.
- (e) Disconnect the negative (–) terminal cable from the battery.
- (f) Reinstall the C/OPN relay.

### 3. FUEL SYSTEM

- (a) When disconnecting the high fuel pressure line, a large amount of gasoline will spill out, so observe these procedures.
  - (1) Try to prevent gasoline from spilling out.
  - (2) Disconnect the fuel pump tube (see page 11-14).
  - (3) Drain the fuel remained inside the fuel pump tube.

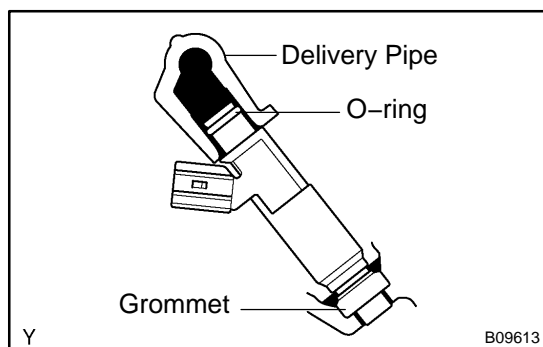


- (4) To protect the disconnected fuel pump tube from damage and contamination, cover it with a vinyl bag.
- (5) Put a container under the connection.

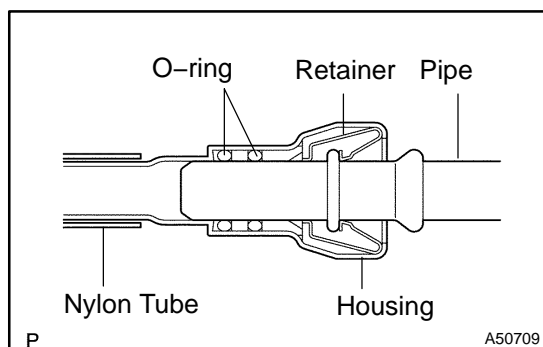


(b) Observe these precautions when removing and installing the injector.

- (1) Never reuse the O-rings.
- (2) When placing a new O-ring on the injector, take care not to damage it in any way.
- (3) Coat a new O-rings with grease or gasoline before installing. Never use engine, gear or brake oil.



(c) Install the injector to the delivery pipe and cylinder head, as shown in the illustration. Before installing the injector, be sure to apply grease or gasoline on the place where the delivery pipe touches the O-ring of the injector.

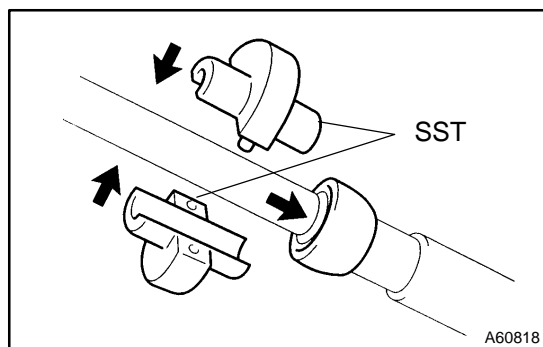


(d) Observe these precautions when disconnecting the fuel delivery pipe.

**HINT:**

The structure of the metallic connector is shown as left.

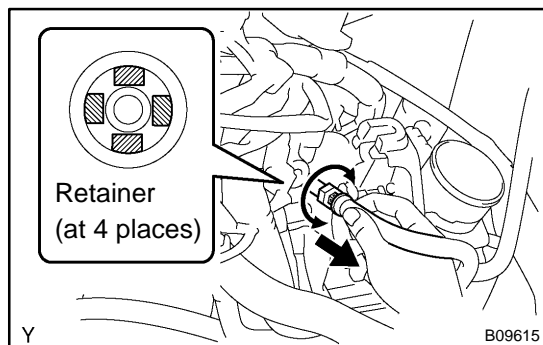
- (1) Remove the fuel pipe clamp No.2.



- (2) Find the metallic connector of the fuel tube assembly, pull vehicle's and hold it as it is.

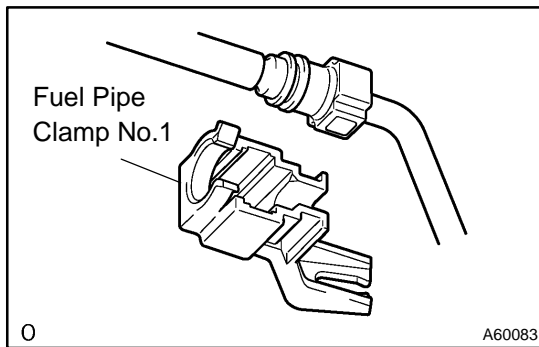
- (3) Assemble SST to the connection as shown.

SST 09268-21010

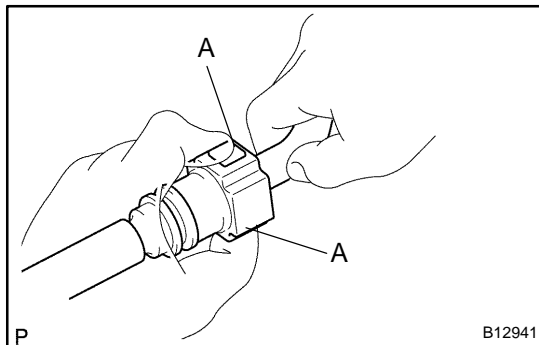


- (4) Turn SST, align the retainers inside the connector with SST chamfered parts and insert SST into the connector.

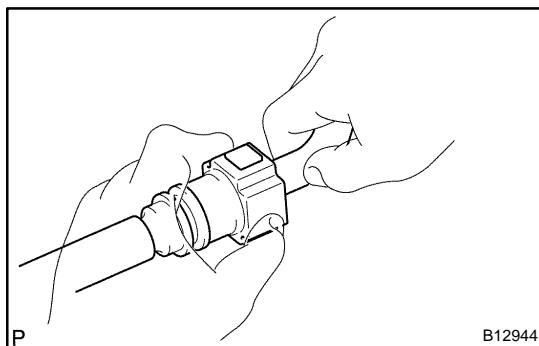
- (5) Slide SST and the connector together towards the fuel tube assembly.



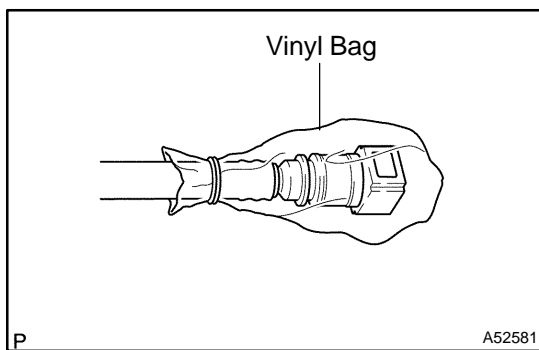
- (e) Observe these following precautions when disconnecting the fuel tube connector (quick type).
- (1) Remove the fuel pipe clamp No.1.
  - (2) Check for dirt or mud on the pipe and around the connector before disconnection. Clean if necessary.



- (3) Disconnect the connector from the hose while pinching part A with fingers as shown in the illustration.



- (4) If the connector and the pipe are stuck, pinch the fuel pipe, push and pull the connector to disconnect and pull it out. Do not use any tools.
- (5) Inspect for dirt or mud on the seal surface of the disconnected pipe. Clean if necessary.



- (6) To protect the disconnected pipe and connector from damage and contamination, cover it with a vinyl bag.

#### 4. CHECK FUEL LEAK

- (a) Check that there are no fuel leaks after doing maintenance anywhere on the fuel system (see page 11-4).