FUEL SYSTEM (1MZ–FE)

1109R–02

PRECAUTION

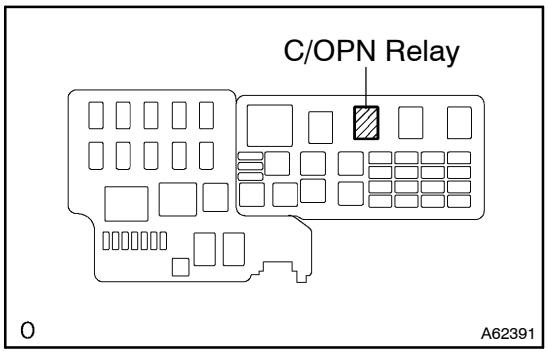
1. PRECAUTION

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

2. WORK FOR PREVENT GASOLINE FROM SPILLING OUT

CAUTION:

- **Perform disconnecting operation of the fuel system parts after working for prevent gasoline form spilling out.**
- **As there is remained pressure in the fuel line after working for prevent gasoline from spilling out, prevent it from splashing inside the vehicle compartment by covering them with a shop rag.**



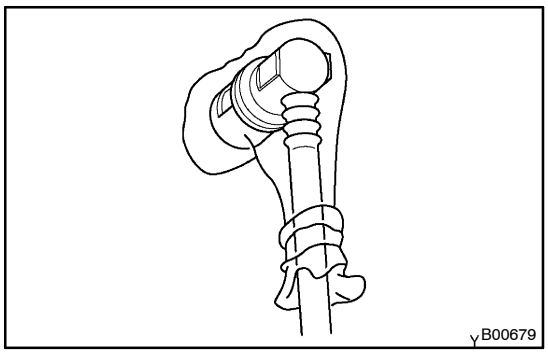
(a) Remove the circuit opening relay in the engine room relay block.
(b) Start the engine. After the engine has stopped on its own, turn the ignition switch OFF.

HINT:
There is a case that DTC P0171 / 25 (system to lean) is output.

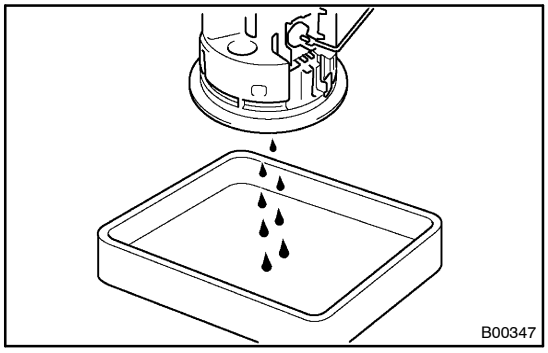
(c) Check that the engine does not start.
(d) Remove the fuel tank cap, and let the air out of the fuel tank.
(e) Disconnect negative (–) terminal cable from battery.
(f) Reinstall the circuit opening relay.

3. FUEL SYSTEM

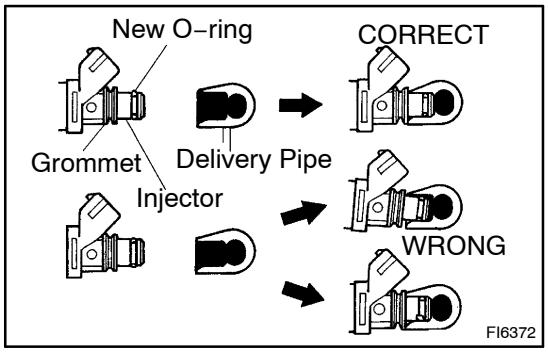
(a) When disconnecting the high fuel pressure line, a large amount of gasoline will spill out, so observe these procedures.
  (1) Work for prevent gasoline from spilling out.
  (2) Disconnect the fuel pump tube.
  (See page 11–62)
  (3) Drain the fuel remained inside the fuel pump tube.



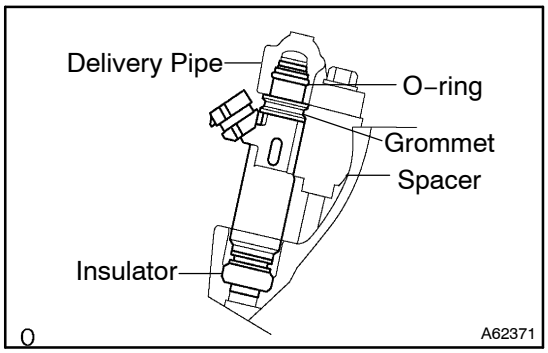
  (4) Prevent the disconnected fuel pump tube from damaging and mixing foreign objects by covering them with a vinyl bag.



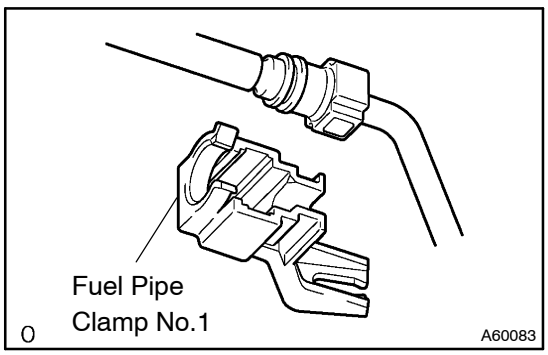
(5) Put a container under the connection.



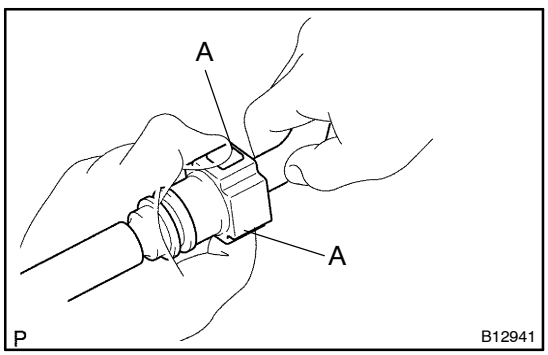
(b) Observe these precautions when removing and installing the injector.
(1) Never reuse the O–ring.
(2) When placing the new O–rings on the injector, take care not to damage it in any way.
(3) Coat a new O–rings with spindle oil or gasoline before installing. Never use engine, gear or brake oil.



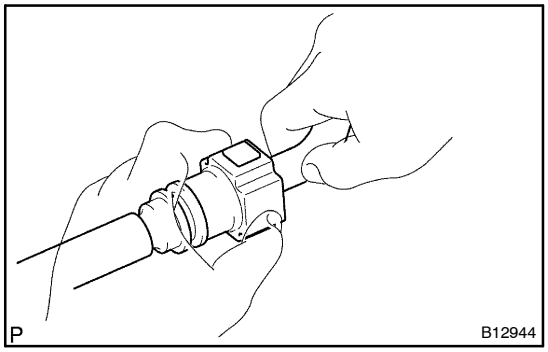
(c) Install the injector to the delivery pipe and intake manifold, as shown in the illustration. Before installing the injector, be sure to apply spindle oil or gasoline on the place where a delivery pipe or an intake manifold touches an O–ring of the injector.



(d) Observe these precautions when disconnecting the fuel tube connector.
(1) Remove the fuel pipe clamp No.1.
(2) Check if there is any dirt like mud on the pipe and around the connector before disconnecting them and clean the dirt away.

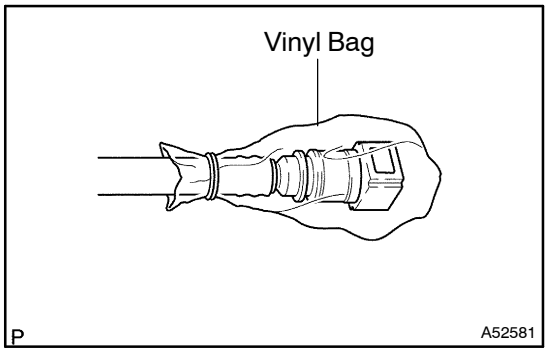


(3) Disconnect the connector from the hose while pinching part A with fingers as shown in the illustration.



(4) When the connector and the pipe are stuck, pinch the fuel pipe between the hands, push and pull the connector to free to disconnect and pull it out. Do not use any tool at this time.

(5) Inspect if there is any dirt or the likes on the seal surface of the disconnected pipe and clean it away.



(6) Prevent the disconnected pipe and connector from damaging and mixing foreign objects by covering them 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 11–52)