FUEL SYSTEM

FU07I–02

PRECAUTION

1. BEFORE WORKING ON THE FUEL SYSTEM , DISCONNECT THE NEGATIVE (–) TERMINAL CABLE FROM THE BATTERY

HINT:

Any diagnostic trouble code retained by the computer will be erased when the negative (–) terminal cable is removed from the battery. Therefore, if necessary, read the diagnosis before removing the negative (–) terminal cable from the battery.

2. DO NOT SMOKE OR WORK NEAR AN OPEN FLAME WHEN WORKING ON THE FUEL SYSTEM

3. KEEP GASOLINE AWAY FROM RUBBER OR LEATHER PARTS

4. MAINTENANCE PRECAUTIONS

(a) In the event of engine misfire, these precautions should be taken.
  (1) Check that the connection to the battery terminals, etc is proper.
  (2) After repair work, check that the ignition coil terminals and all the other ignition system lines are reconnected securely.
  (3) When cleaning the engine compartment, be especially careful to protect the electrical system from water.

(b) Precautions when handling the oxygen sensor.
  (1) Do not allow the oxygen sensor to drop or hit against an object.
  (2) Do not allow the sensor to come into contact with water.

If the vehicle is equipped with the Mobile Radio System (HAM, CB, etc.) or a mobil communication system, refer to the precaution in the IN section.

5. AIR INDUCTION SYSTEM

(a) Separation of the engine oil dipstick, oil filler cap, PCV hose, etc. may cause the engine to run out of turn.

(b) Disconnection, looseness or cracks in the parts of the air induction system between the throttle body and cylinder head will allow air suction and cause the engine to run out of turn.

6. ELECTRONIC CONTROL SYSTEM

(a) Before removing the fuel system wiring connectors, terminals, etc., first disconnect the power by either turning the ignition switch to LOCK or disconnecting the negative (–) terminal cable from the battery.

HINT:

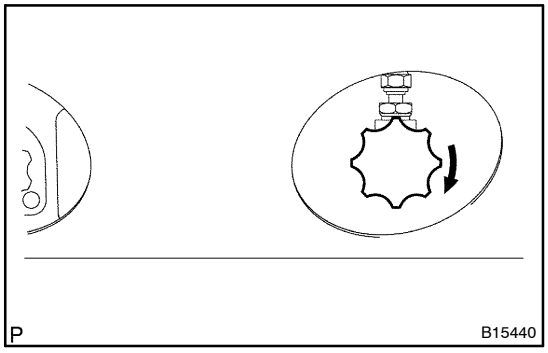
Always check the diagnostic trouble code before disconnecting the negative (–) terminal cable from the battery.

(b) When installing the battery, be especially careful not to incorrectly connect the positive (+) and negative (–) cables.
(c) Do not permit parts to receive a severe impact during the removal or installation. Handle all fuel system parts carefully, especially the engine ECU.
(d) Be careful during the troubleshooting as there are numerous transistor circuits, and even slight terminal contact can cause further trouble.
(e) Do not open the engine ECU cover.
(f) When inspecting in rainy weather, take care to prevent entry of water. Also, when washing the engine compartment, prevent water from getting on the fuel system parts and wiring connectors.
(g) Parts should be replaced as an assembly.
(h) Care should be taken when pulling out and inserting the wiring connectors.
    (1) Release the lock and pull out the connectors.
    (2) Fully insert the connectors and check they are locked.

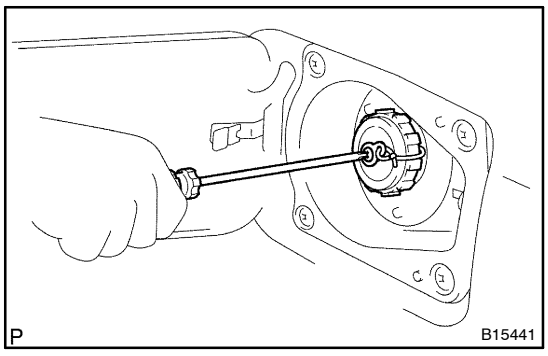
7. FUEL SYSTEM

NOTICE:

Always perform a fuel leakage preventive operation before removing the parts of the fuel system.



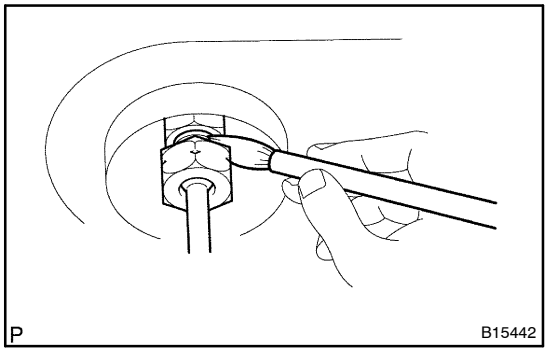
(a) FUEL OUTLET
    (1) Tighten the fuel outlet valve of the fuel tank (red valve).
    (2) Start the engine and use up the LPG.
    (3) After the engine has stopped automatically, turn off the ignition switch.



(b) FUEL INLET
    (1) Check that the fuel inlet valve of the fuel tank (gray valve) is tightened.
    (2) After opening the fuel filler lid, using a screwdriver, press the quick coupling check valve of the fuel inlet pipe and release the LPG inside the pipe.

NOTICE:

Cover the quick coupling with a waste cloth.



(c) Check that there are no fuel leaks after doing maintenance anywhere on the fuel system.
   (1) With the ignition switch ON and loosen the fuel inlet valve (gray valve).
   (2) Apply soapy water to the contact of the valve and pipe, and check for fuel leakage.

If the leakage is found, recheck after re–tightening the union nut of the pipe.

NOTICE:

Do not exceed the specified maximum torque when re–tightening the nut.

   (3) Wipe off the applied soapy water.
   (4) Tighten the fuel inlet valve (gray valve).