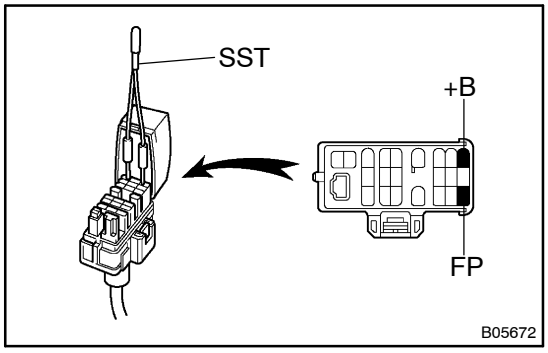
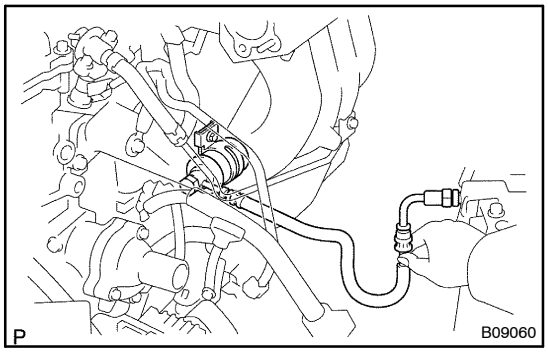




FUEL PUMP

FI0OZ–01

ON–VEHICLE INSPECTION

1. CHECK FUEL PUMP OPERATION

(a) Using SST, connect the terminals +B and FP of the check connector.
SST 09843–18020

(b) Turn the ignition switch ON.

NOTICE:

Do not start the engine.

(c) Check that there is pressure in the inlet hose from the fuel filter.

HINT:

At this time, you will hear fuel return noise.

If there is no pressure, check these parts:

- H–fuse
- Fuses
- EFI main relay
- Circuit opening relay
- Fuel pump
- Fuel pump wiring connections
- ECU

(d) Turn the ignition switch OFF.

(e) Remove the SST from the check connector.
SST 09843–18020

2. CHECK FUEL PRESSURE

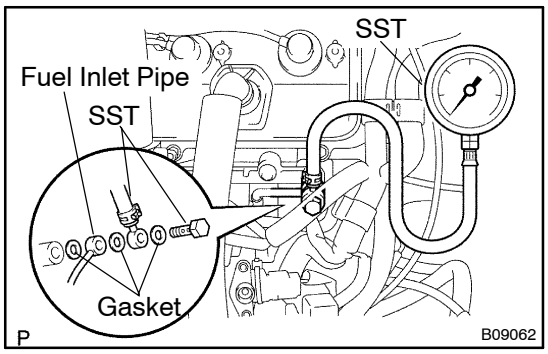
(a) Check the battery voltage is above 12 V.

(b) Disconnect the negative (–) terminal cable from the battery.

(c) Remove the union bolt and 2 gaskets, and disconnect the fuel inlet hose from the delivery pipe.

HINT:

- Put a suitable container or shop rag under the delivery pipe.
- Slowly loosen the union bolt.



(d) Install the fuel inlet hose and SST (pressure gage) to the delivery pipe with the 3 gaskets and SST (union bolt).
SST 09268–45012
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

(e) Wipe off any splattered gasoline.

(f) Reconnect the negative (–) terminal cable to the battery.

(g) Using SST, connect terminals +B and FP of the check connector.
SST 09843–18020

(h) Measure the fuel pressure.
Fuel pressure:
265 – 304 kPa (2.7 – 3.1 kgf/cm^2, 38 – 44 psi)

If pressure is high, replace the fuel pressure regulator.
If pressure is low, check the fuel hose and connections, fuel pump, fuel filter and fuel pressure regulator

(i) Reconnect the SST from the check connector.
SST 09843–18020

(j) Start the engine.

(k) Measure the fuel pressure at idle.
Fuel pressure:
265 – 304 kPa (2.7 – 3.1 kgf/cm^2, 38 – 44 psi)

(l) Stop the engine.

(m) Check that the fuel pressure remains as specified 5 minutes after the engine has stopped.
Fuel pressure:
147 kPa (1.5 kgf/cm^2, 21 psi) or more

If pressure is not as specified, check the fuel pump, pressure regulator and/ or injectors.

(n) After checking fuel pressure, disconnect the negative (–) terminal cable from the battery and carefully remove the SST and fuel tube connector to prevent gasoline from splashing.
SST 09268–45012

(o) Reconnect the negative (–) terminal cable to the battery.

(p) Check for fuel leaks.