

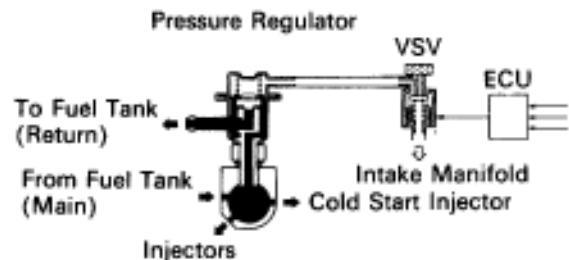
Fuel Pressure Control VSV Circuit

— CIRCUIT DESCRIPTION —

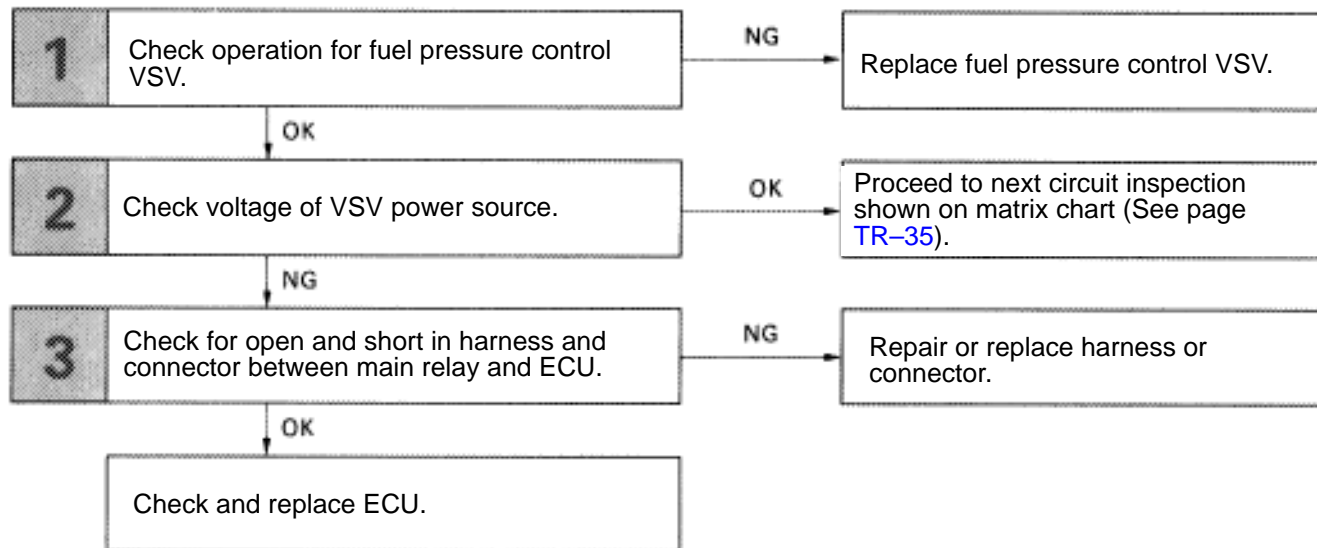
The ECU turns on a VSV (Vacuum Switching Valve) to draw the air into the diaphragm chamber of the pressure regulator if it detects that the temperature of the coolant is too high during engine starting.

The air drawn into the chamber increases the fuel pressure to prevent fuel vapor lock at high engine temperature in order to help the engine start when it is warm.

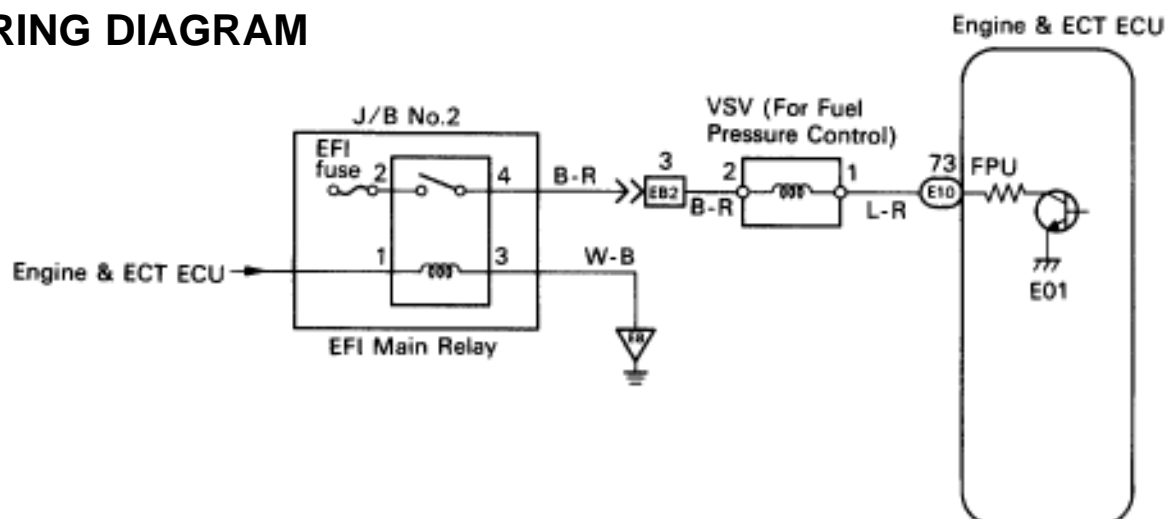
Fuel pressure control ends approx. 100 secs. after the engine is started.



— DIAGNOSTIC CHART —

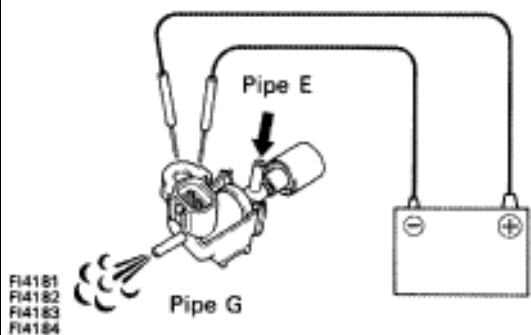
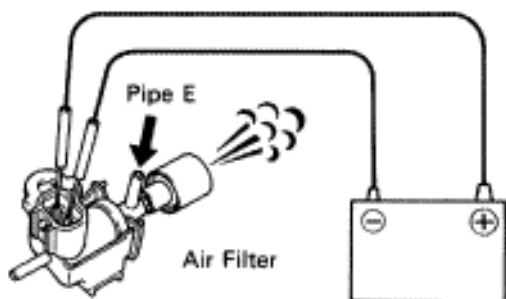
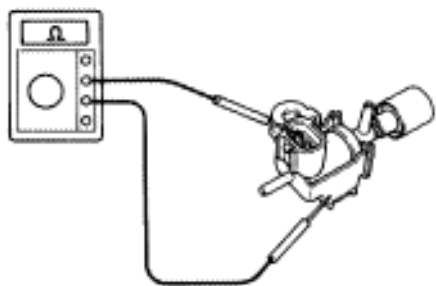
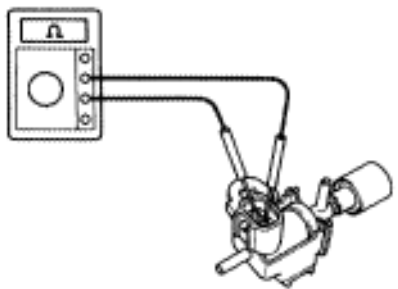


WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check fuel pressure control VSV.



- P** (2) Remove fuel pressure control VSV.
(2) Disconnect fuel pressure control VSV connector.
- C** (2) Measure resistance between terminals.
(2) Measure resistance between each terminal and the body.
- OK** 1. Resistance: 30 – 50 at 20C (68F)
2. Resistance: 1M or higher

- C** Check operation of fuel pressure control VSV when battery voltage is applied to the terminals of fuel pressure control VSV connector or not.

- OK** **Battery voltage is applied:**
The air from pipe E is flowing out through the air filter.

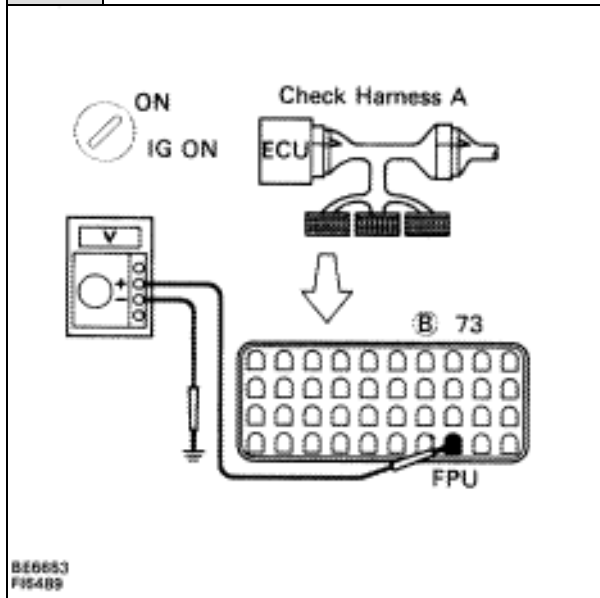
Battery voltage is not applied:
The air from pipe E is flowing out through pipe G.

OK

NG

Replace fuel pressure control VSV.

Go to step 2.

2**Check voltage between terminal FPU of engine & ECT ECU connector and body ground.****P** (2) Connect the Check Harness A.**C** (See page [TR-30](#))**OK** (2) Turn ignition switch on.

Measure voltage between terminal FPU of engine & ECT ECU connector and body ground.

Voltage: 10 – 14 V**Hint****NG****OK**Proceed to next circuit inspection shown on matrix chart (See page [TR-35](#)).**3****Check for open and short in harness and connector between engine & ECT ECU and VSV, VSV and EFI main relay (See page [IN-27](#)).****OK****NG**

Repair or replace harness or connector

Check and replace engine & ECT ECU.

–MEMO–