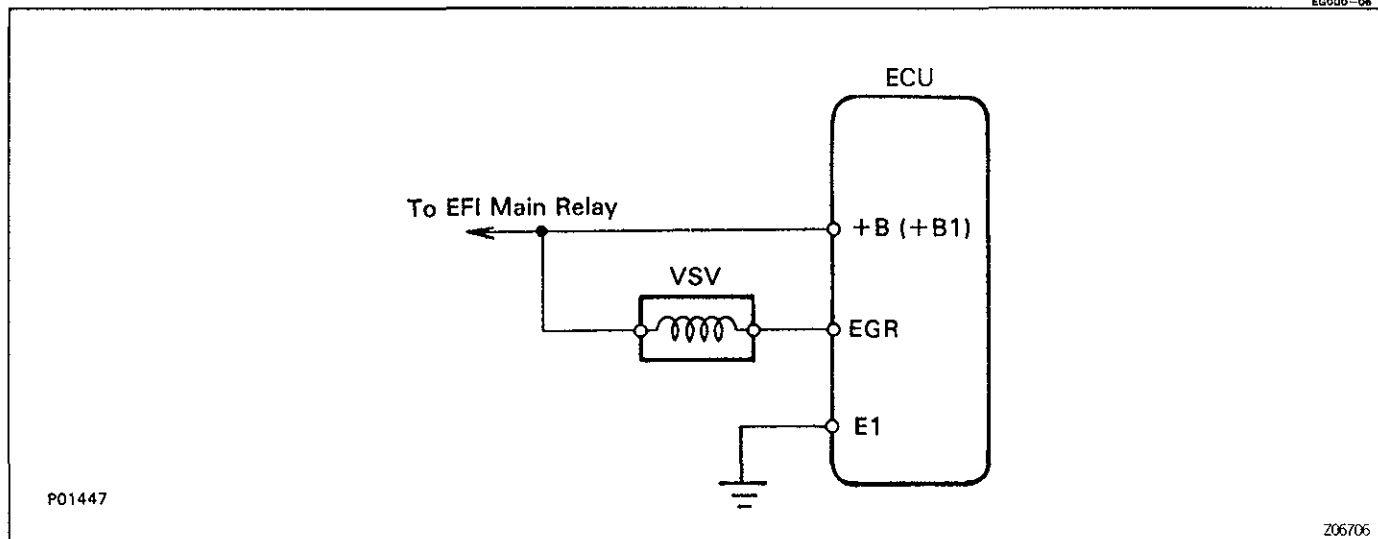
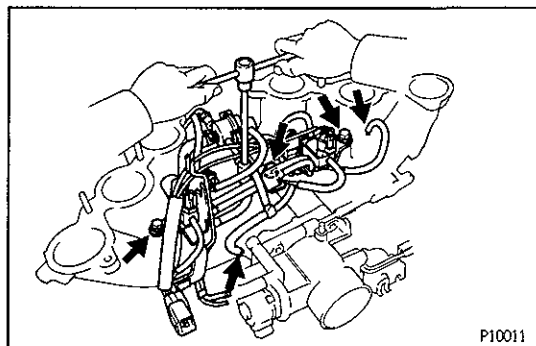


## VSV FOR EGR (Europe)

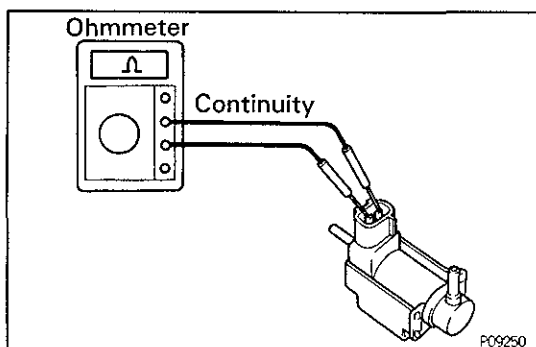
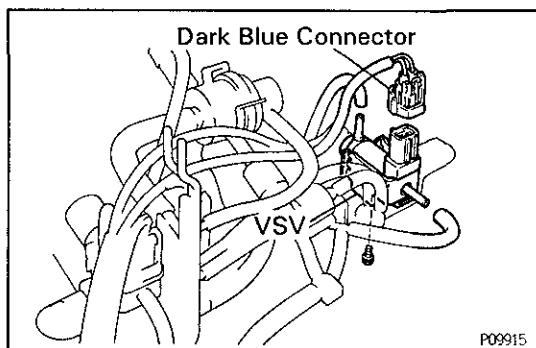


EG



### VSV INSPECTION

1. **REMOVE AIR INTAKE CHAMBER**  
(See pages EG-249 and 250)
2. **REMOVE VSV**
  - (a) Disconnect the air hose and vacuum hose from the air intake chamber.
  - (b) Remove the four bolts and emission control valve set assembly.
  - (c) Disconnect the connector and two vacuum hoses, and remove the screw and VSV.



### 3. INSPECT VSV

#### A. Inspect VSV for open circuit

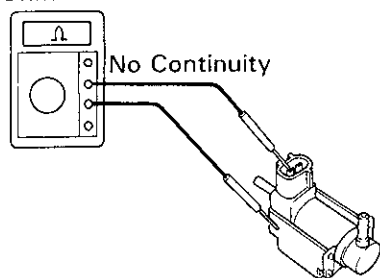
Using an ohmmeter, check that there is continuity between the terminals.

Resistance:

30 — 34  $\Omega$  at 20°C (68°F)

If there is no continuity, replace the VSV.

Ohmmeter

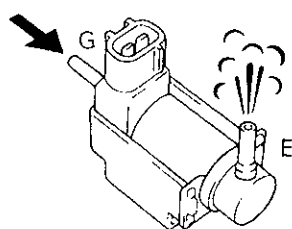


P09253

**B. Inspect VSV for ground**

Using an ohmmeter, check that there is no continuity between each terminal and the body. If there is continuity, replace the VSV.

Air



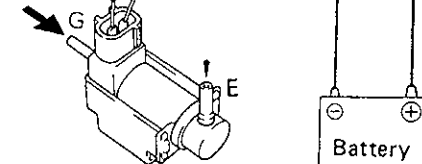
EC3995

Z04407

**C. Inspect VSV operation**

- (a) Check that the air flows from pipe G to pipe E.

Air



EC3996

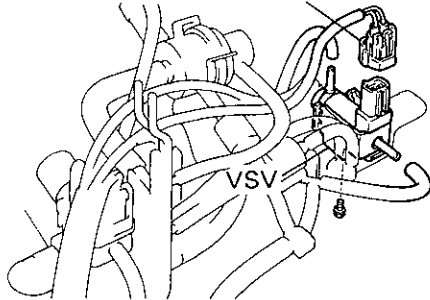
Z04408

- (b) Apply battery voltage across the terminals.

- (c) Check that the air does not flow from pipe G to pipe E.

If operation is not as specified, replace the VSV.

Dark Blue Connector



P09915

**4. REINSTALL VSV**

- (a) Install the VSV with the screws.  
(b) Connect the connector and two vacuum hoses to the VSV.

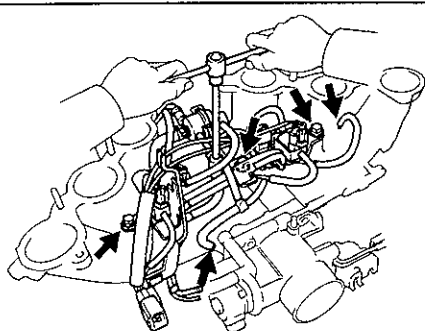
- (c) Install the emission control valve set assembly with the four bolts.

**Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)**

- (d) Connect the air hose and vacuum hose to the air intake chamber.

**5. REINSTALL AIR INTAKE CHAMBER**

(See pages EG – 256 and 257)



P10011