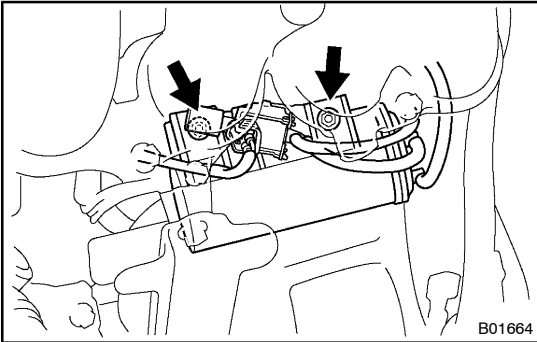


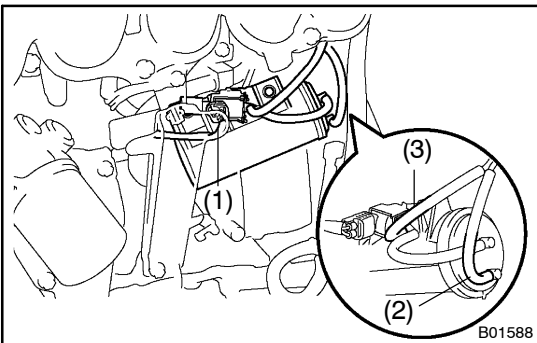
## INSPECTION

1. RHD:  
DISCONNECT RELAY BOX
2. RHD:  
REMOVE BATTERY AND BATTERY TRAY
3. REMOVE OIL DIPSTICK AND GUIDE FOR A/T  
(See page EM-61)



### 4. REMOVE VACUUM CONTROL VALVE SET

- (a) Remove the 2 nuts, and disconnect the vacuum tank from the intake manifold.

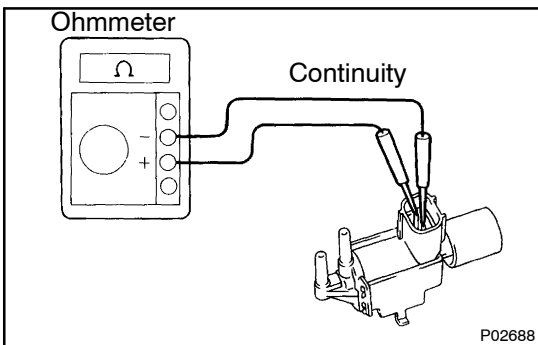


- (b) Disconnect these connector and hoses, and remove the vacuum control valve set:

- (1) VSV connector
- (2) Vacuum hose (from air intake chamber) from port of vacuum tank
- (3) Vacuum hose (from actuator) from VSV

### 5. REMOVE VSV

Remove the screw, vacuum hose and VSV.

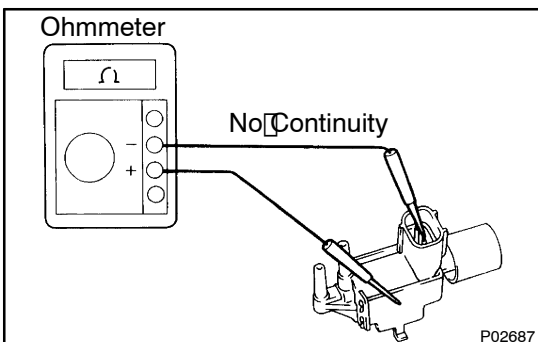


### 6. INSPECT VSV

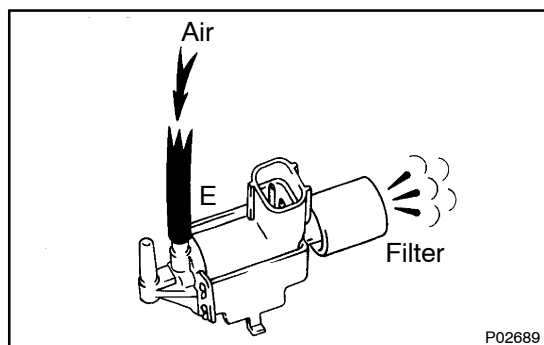
- (a) Inspect the VSV for open circuit.  
Using an ohmmeter, check that there is continuity between the terminals.

**Resistance: 38.5 – 44.5  $\Omega$  at 20°C (68°F)**

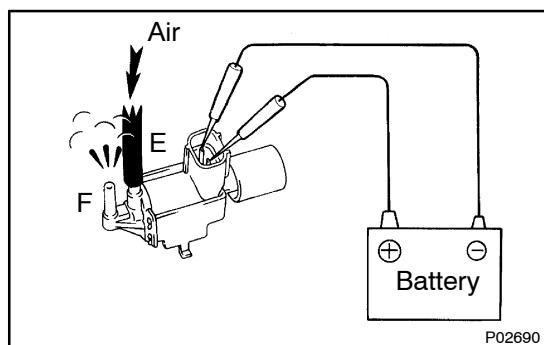
If there is no continuity, replace the VSV.



- (b) Inspect the 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.



- (c) Inspect the VSV operation.  
 (1) Check that air flows from port E to the filter.



- (2) Apply battery positive voltage across the terminals.  
 (3) Check that air flows from ports E to F.

#### 7. REINSTALL VSV

- (a) Install the VSV with the screw to the vacuum tank.  
 (b) Install the vacuum hose.

#### 8. REINSTALL VACUUM CONTROL VALVE SET

**Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)**

#### 9. REINSTALL OIL DIPSTICK AND GUIDE FOR A/T

HINT:

Using a new O-ring.

#### 10. RHD:

**REINSTALL BATTERY TRAY AND BATTERY**

#### 11. RHD:

**REINSTALL RELAY BOX**