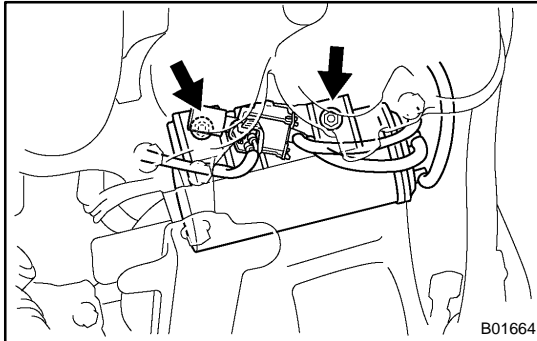


## INSPECTION

### 1. REMOVE ENGINE COVER

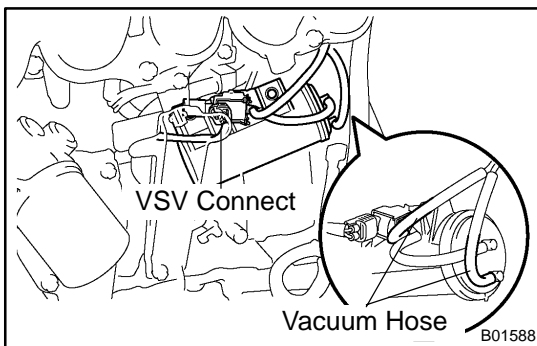
Remove the 4 nuts and engine cover.

### 2. REMOVE OIL DIPSTICK AND GUIDE FOR A/T (See page [EM-62](#))



### 3. REMOVE VACUUM CONTROL VALVE SET

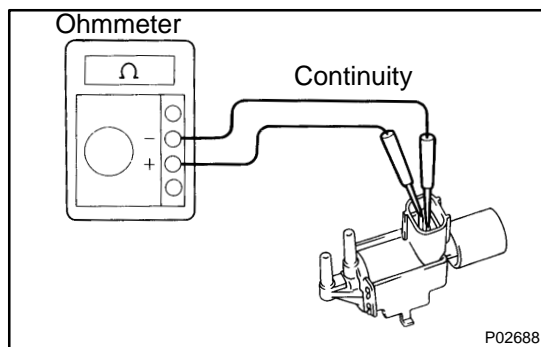
- (a) Remove the 2 nuts, and disconnect the vacuum tank from the intake manifold.



- (b) Disconnect VSV connector and vacuum hoses, and remove the vacuum control valve set.

### 4. REMOVE VSV

Remove the screw, vacuum hose and VSV.

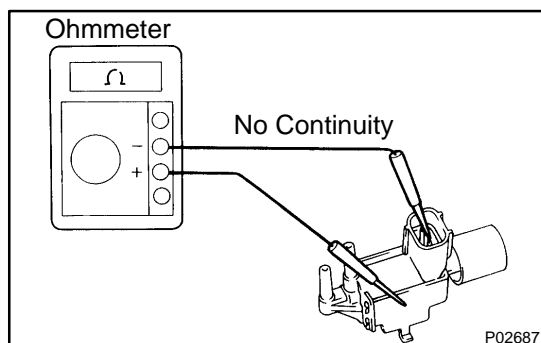


### 5. INSPECT VSV

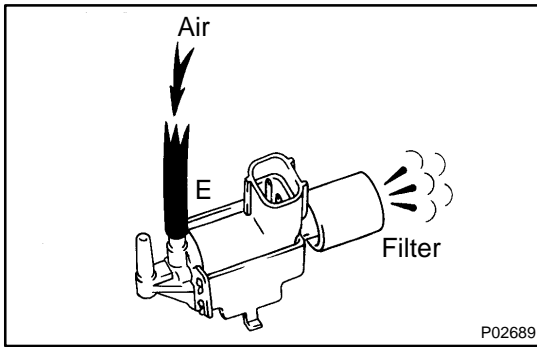
- (a) Inspect the VSV for open circuit.  
Using an ohmmeter, check that there is continuity between the terminals.

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

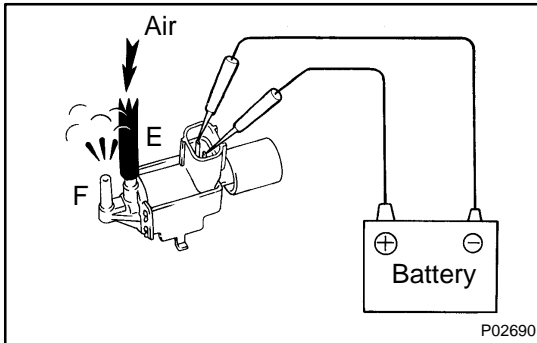
If there is no continuity, replace the VSV.



- (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.

#### 6. REINSTALL VSV

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

#### 7. REINSTALL VACUUM CONTROL VALVE SET

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

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

HINT:

Using a new O-ring.

#### 9. REINSTALL SEGINE COVER

Reinstall the engine cover with the 4 nuts.