

SECONDARY AIR INJECTION SYSTEM

ECONY-02

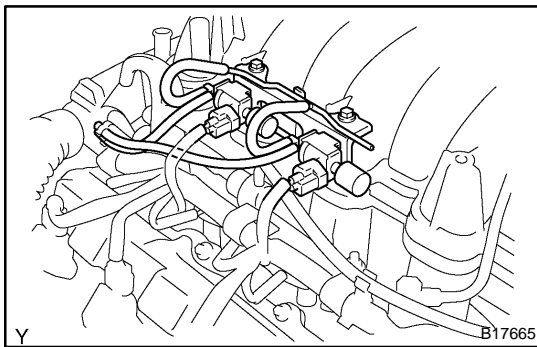
ON-VEHICLE INSPECTION

1. INSPECT PRESSURE SENSOR

- Turn the ignition switch to the ON position.
- Measure the voltage between terminals AIP and E2 of the ECM connector.

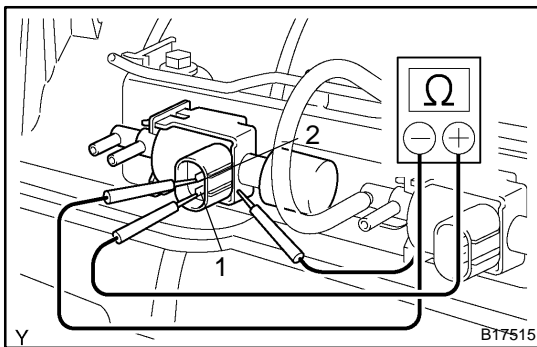
Voltage: 1.0 to 2.2 V

If the voltage is not as specified, replace the pressure sensor.



2. INSPECT VSV FOR AIR INJECTION SYSTEM

- Disconnect the connector from the VSV.
- Disconnect the 2 vacuum hoses from the VSV.

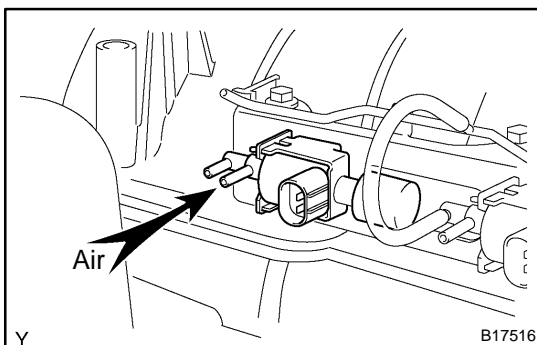


- Using an ohmmeter, measure the resistance between the terminals.

Standard:

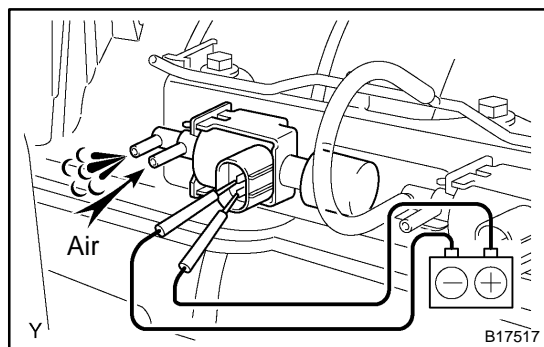
Tester Connection	Specified Condition
1 – 2	33 to 39 Ω at 20°C (68°F)
1 – Body ground	10 M Ω or higher
2 – Body ground	10 M Ω or higher

If the resistance is not as specified, replace the VSV.



- Check that air does not flow from the port as shown in the illustration.

If the result is not as specified, replace the VSV.



- (e) Apply positive battery between the terminals, check that air flows from the ports.

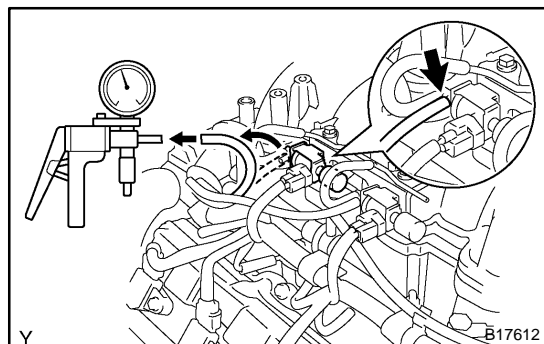
If the result is not as specified, replace the VSV.

- (f) Connect the 2 vacuum hoses to the VSV.

NOTICE:

Be sure to connect the vacuum hoses correctly.

- (g) Connect the connector to the VSV.
(h) Perform procedures (a) to (g) to the other VSV.

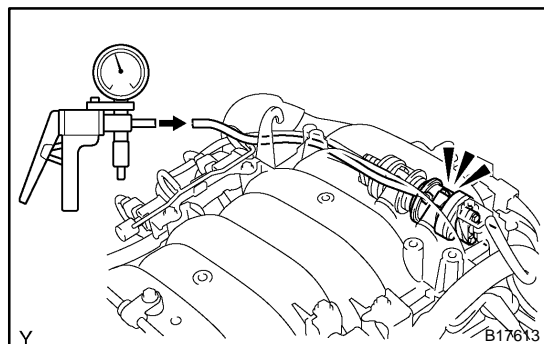


3. INSPECT NO. 2 AIR SWITCHING VALVE

- (a) Disconnect the vacuum hose from the VSV for the air injection system.

- (b) Apply vacuum (30 kPa (306 gf/cm², 4.35 psi) to vacuum hose, check that the vacuum does not decrease.

If operation is not as specified, replace the No.2 air switching valve.



- (c) Release the vacuum, and check that the operation sound is emitted from the No.2 air switching valve.

If operation is not as specified, replace the No.2 air switching valve.

- (d) Perform procedures (a) to (c) to the other No.2 air switching valve.