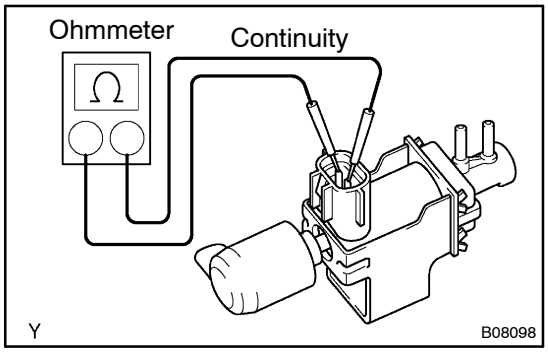
1207S–01

INSPECTION

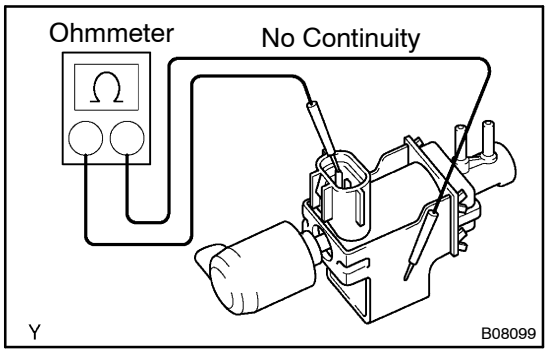


1. ELECTRIC EGR CONTROL VALVE ASSY

(a) Inspect the E–VRV for open circuit.

(1) Using an ohmmeter, measure the resistance between terminal.

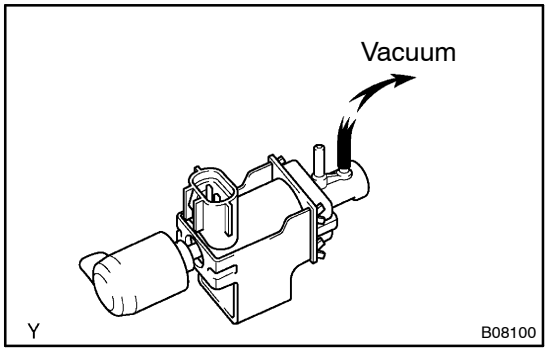
Resistance: 11 – 13 Ω at 20°C (68°F)



(b) Inspect the E–VRV for ground.

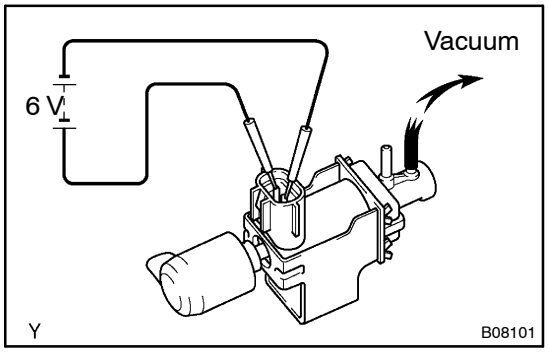
(1) Using an ohmmeter, check that there is continuity between terminals and body.

Specified condition: No continuity



(c) Inspect the E–VRV for air tightness.

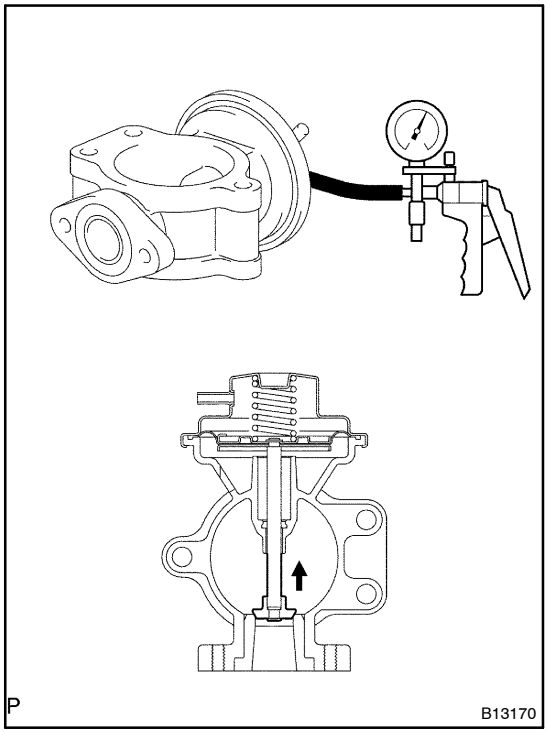
(1) Check that when vacuum is applied to the vacuum outlet port shown, the needle of vacuum pump indicates an increase of 66.7 kPa (500 mmHg, 19.7 in.Hg) or more.



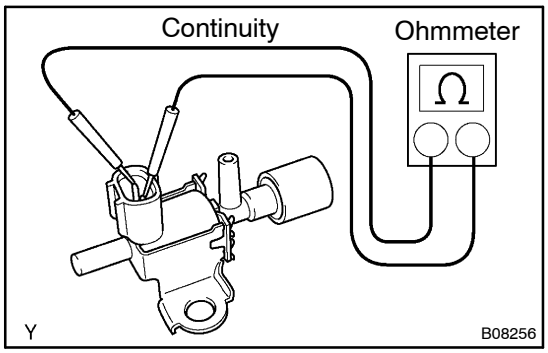
(d) Inspect the E–VRV operation.

(1) Apply about 6 V of DC power to the terminals.

(2) Check that when vacuum is applied to the vacuum outlet port shown, the need does not move.



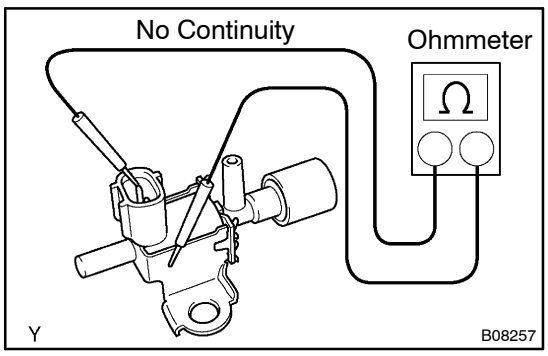
(e) Inspect the EGR Valve operation.
(1) When a vacuum of 26.7 kPa (200 mmHg, 7.87 in.HG) is applied to the diaphragm chamber, check that the shaft rises up and that air flows from IN to OUT.
(2) Maintain the above conditions, and check again that there are no leaks.
(3) Check the valve for sticking and heavy carbon deposits.



2. VACUUM SWITCHING VALVE ASSY NO.1

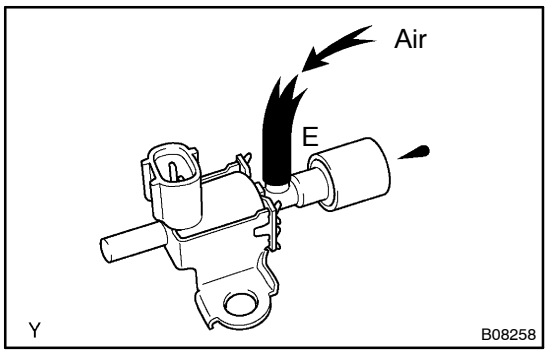
(a) Inspect the VSV for open circuit.
(1) Using an ohmmeter, check that resistance between each terminal.

Resistance: 33 – 39 Ω at 20°C (68°F)

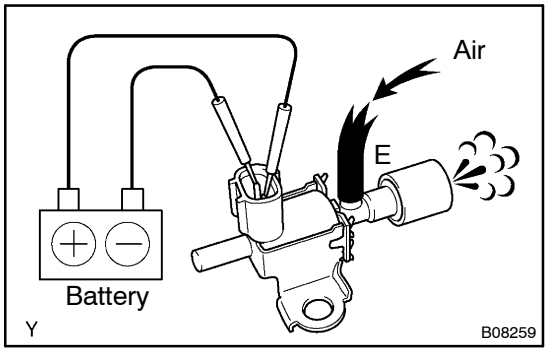


(b) Inspect the VSV for ground.
(1) Using an ohmmeter, check that there is continuity between terminals and body.

Specified condition: No continuity



(c) Inspect the VSV operation.
(1) Check that air does not flows from port E to the filter.



(2) Apply battery voltage across the terminals.
(3) Check that air flows from port E to filter.