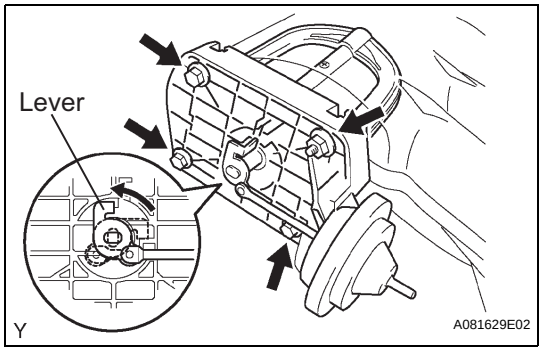
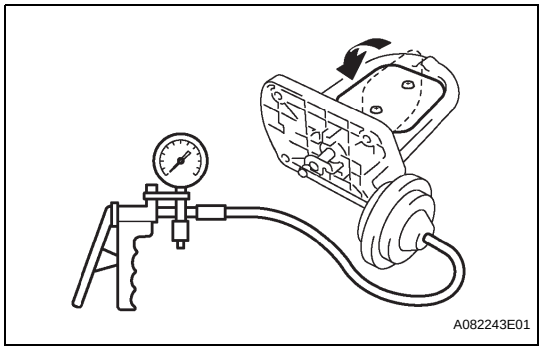
REMOVAL

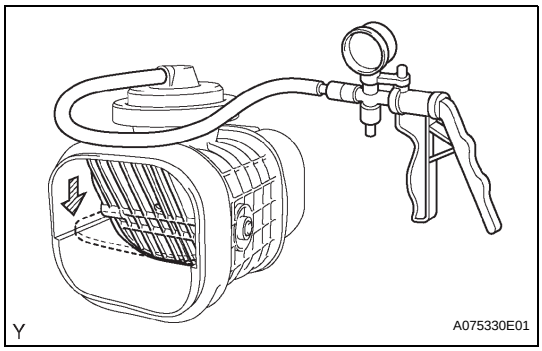
1. **DRAIN ENGINE COOLANT (See page CO-7)**
2. **REMOVE FR WIPER ARM LH (See page WW-37)**
3. **REMOVE FR WIPER ARM RH (See page WW-37)**
4. **REMOVE FRONT FENDER TO COWL SIDE SEAL LH**
5. **REMOVE FRONT FENDER TO COWL SIDE SEAL RH**
6. **REMOVE COWL TOP VENTILATOR LOUVER SUB-ASSEMBLY (See page WW-37)**
7. **REMOVE WINDSHIELD WIPER LINK ASSEMBLY (See page WW-37)**
8. **REMOVE COWL TOP PANEL SUB-ASSEMBLY OUTER (See page FU-10)**
9. **REMOVE V-BANK COVER SUB-ASSEMBLY (See page ES-372)**
10. **REMOVE AIR CLEANER CAP SUB-ASSEMBLY (See page FU-10)**
11. **REMOVE EMISSION CONTROL VALVE SET (See page FU-11)**
12. **REMOVE INTAKE AIR SURGE TANK (See page FU-11)**
13. **REMOVE INTAKE AIR CONTROL VALVE ASSEMBLY NO.2**
    (a) Remove the 3 bolts and nut.
    (b) Rotate the lever to the closed position as shown in the illustration and pull out the intake air control valve No.2.
    (c) Remove the gasket from the intake air surge tank.



INSPECTION

1. **INSPECT INTAKE AIR CONTROL VALVE ASSEMBLY NO.2**
   (a) With 26.7 kPa (200 mmHg, 7.9 in.Hg) of vacuum applied to the actuator, check that the actuator rod moves.
   (b) One minute after applying the vacuum, check that the actuator rod does not return.
   (c) If the operation is not as specified, replace the intake air control valve assembly No.2.
   NOTICE:
   Do not adjust the adjust screw.





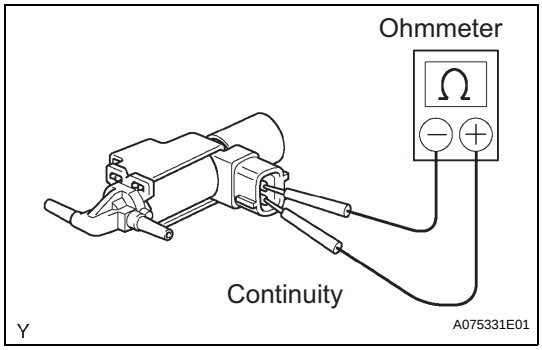
2. INSPECT INTAKE AIR CONTROL VALVE ASSEMBLY NO.3

(a) Inspect actuator operation

(1) With 26.7 kPa (200 mmHg, 7.9 in.Hg) of vacuum applied to the actuator, check that the actuator rod moves.

(2) One minute after applying the vacuum, check that the actuator rod does not return.

(3) If the operation is not as specified, replace the intake air control valve No.3.



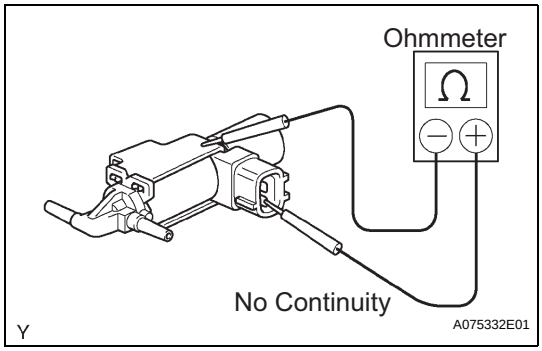
(b) Inspect VSV for continuity

(1) Using an ohmmeter, check for continuity between the terminals.

Resistance:

37 to 44 Ωat 20°C (68°F)

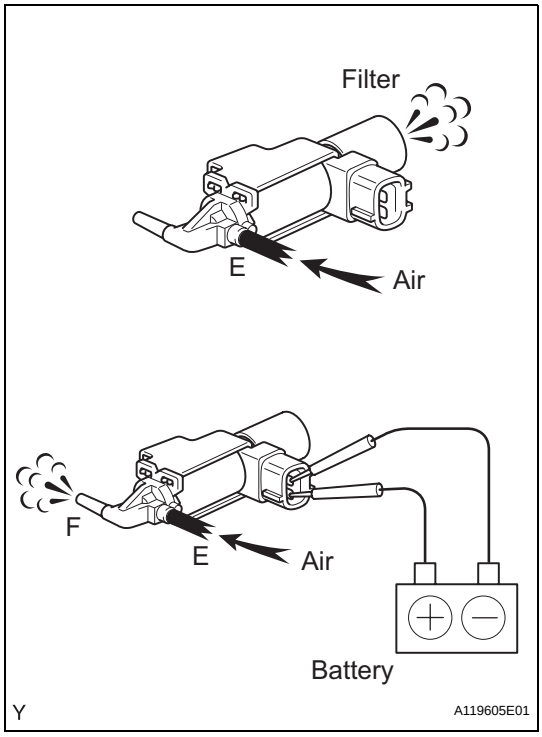
If there is no continuity, replace the VSV.



(2) 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.



(3) Inspect the VSV operation.

- Check that air flows from port E to the filter.
- Apply battery voltage across the terminals.
- Check that air flows from port E to F.

If operation is not as specified, replace the VSV.

IT