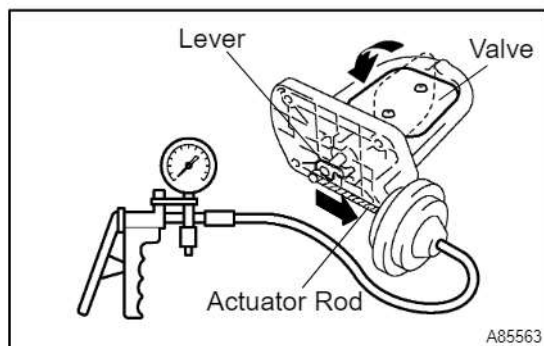
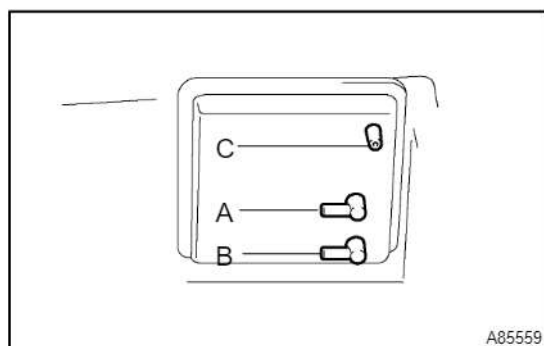


INSPECTION



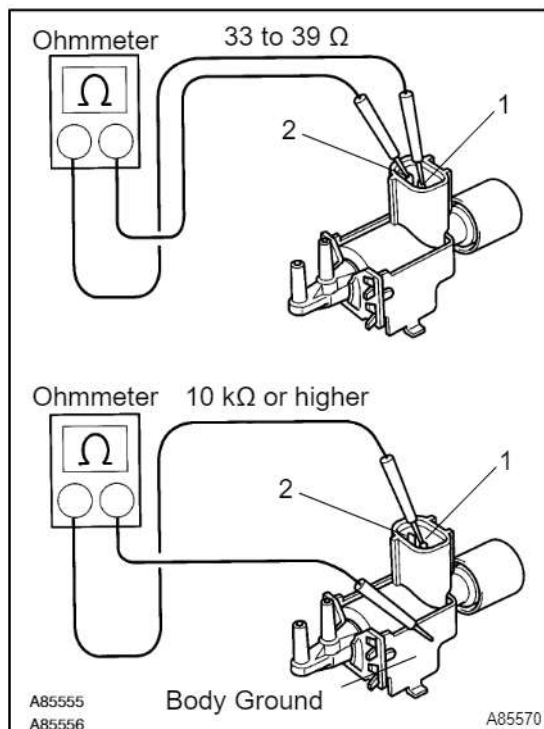
1. **INSPECT INTAKE AIR CONTROL VALVE ASSY NO.2**
 - (a) Apply 26.7 kPa (200 mmHg, 7.9 in.Hg) of vacuum to the actuator. Check if the actuator rod pulls the lever and causes the valve to rotate open, as shown in the illustration.
 - (b) One minute after applying the vacuum, check that the actuator rod does not return.

If the result is not as specified, replace the IAC valve assy No. 2.



2. **INSPECT AIR CLEANER CAP SUB-ASSY**
 - (a) Cover port C with your finger and blow air into port B. Check that air flows out of port A.
 - (b) Cover port C with your finger and blow air into port A. Check that air does not flow out of port B.
 - (c) Cover ports A and C with your fingers, and apply 60 kPa (450 mmHg, 18 in.Hg) of vacuum to port B. Check that there is no change in the vacuum after one minute.

If the result is not as specified, replace the air cleaner cap.



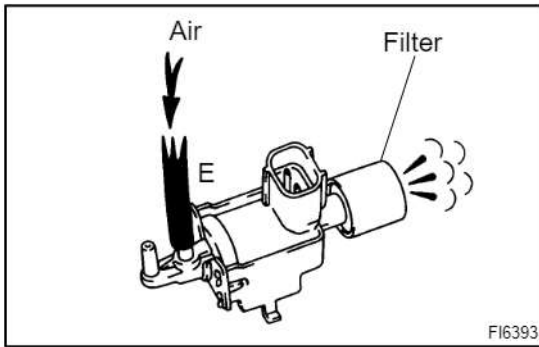
3. INSPECT VACUUM SWITCHING VALVE ASSY FOR IAC VALVE NO. 2

- (a) Measure the VSV resistance.

Standard:

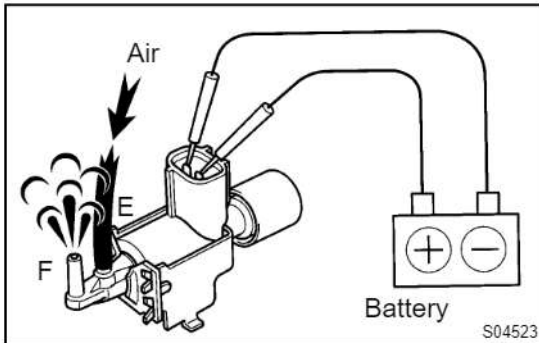
Tester Connection	Specified Condition
1 - 2	33 to 39 Ω at 20°C (68°F)
1 - Body ground 2 - Body ground	10 k Ω or higher

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



(b) Check VSV operation.

(1) Check that air flows from port E to the filter.
If the result is not as specified, replace the VSV assy.

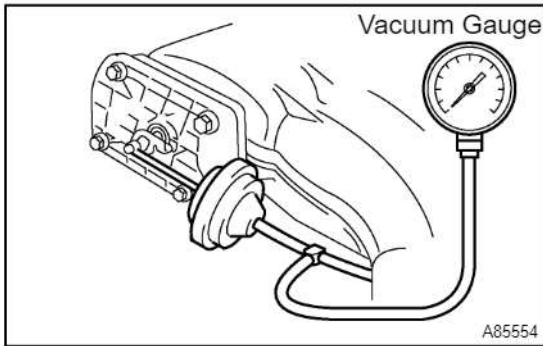


(2) Apply battery voltage across the terminals.
(3) Check that air flows from port E to port F.
If the result is not as specified, replace the VSV assy.

INTAKE AIR CONTROL SYSTEM (3MZ-FE)

ON-VEHICLE INSPECTION

1307N-02



1. INSPECT INTAKE AIR CONTROL SYSTEM

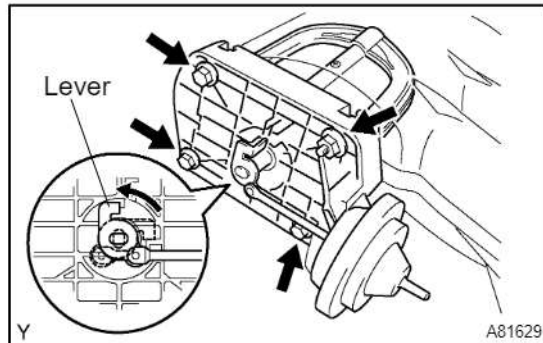
- Using a 3-way connector, connect a vacuum gauge to the actuator hose.
- Connect the hand-held tester to the DLC3.
- Start the engine.
- On the hand-held tester, enter the ACTIVE TEST mode.

Standard:

Switch Condition	Vacuum
VSV ON	Approx. 27.6 kPa (200 mmHg, 7.9 in.Hg)
VSV OFF	0 kPa (0 mmHg, 0 in.Hg)

INTAKE AIR CONTROL VALVE ASSY NO.2 (3MZ-FE) REPLACEMENT

1307P-03



- 1. REMOVE INTAKE AIR CONTROL VALVE ASSY NO.2**
 - (a) Remove the 3 bolts and nut.
 - (b) Turn the lever to the closed position as shown in the illustration and pull out the IAC valve.
 - (c) Remove the gasket from the intake air surge tank.

2. INSTALL INTAKE AIR CONTROL VALVE ASSY NO.2

- (a) Install a new gasket to the intake air surge tank.
- (b) Install the IAC valve with the 3 bolts and nut.

Torque: 10 N·m (102 kgf·cm, 7 ft·lbf)