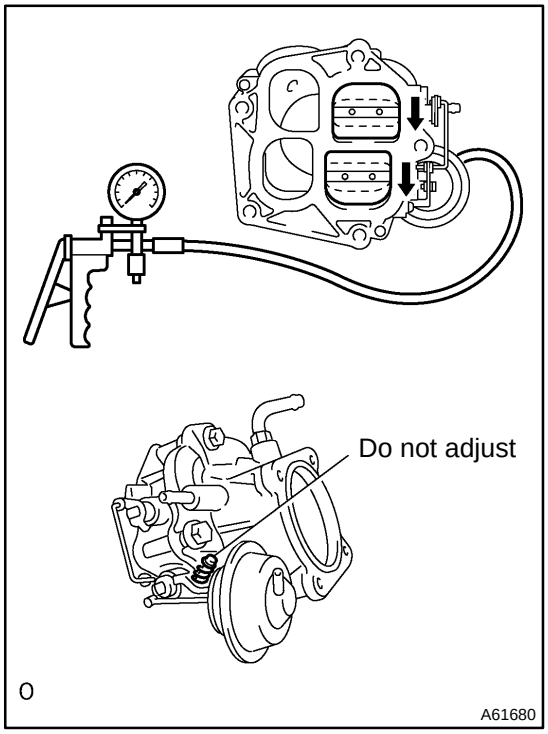
INSPECTION



1. INSPECT INTAKE AIR CONTROL VALVE ASSY NO.1 (1MZ−FE ONLY)

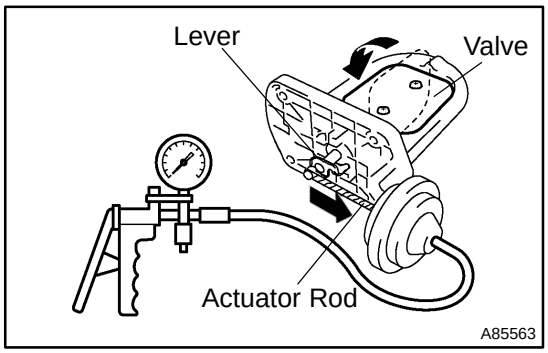
(a) With vacuum of 26.7 kPa (200 mm Hg, 7.9 in. Hg) applied to the actuator, check that the IAC valve closes.

(b) 1 minute after applying the vacuum, check that the IAC valve remains closed.

If the result is not as specified, replace the IAC valve assy No. 1.

NOTICE:

Do not adjust the screw.

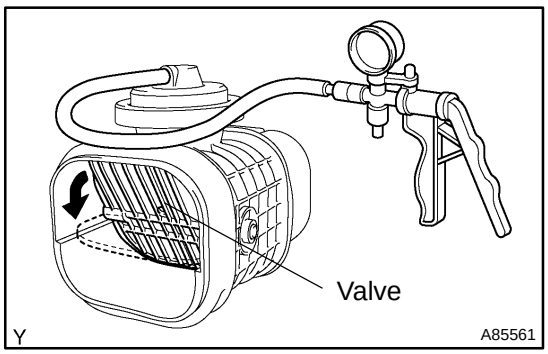


2. INSPECT INTAKE AIR CONTROL VALVE ASSY NO.2

(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.

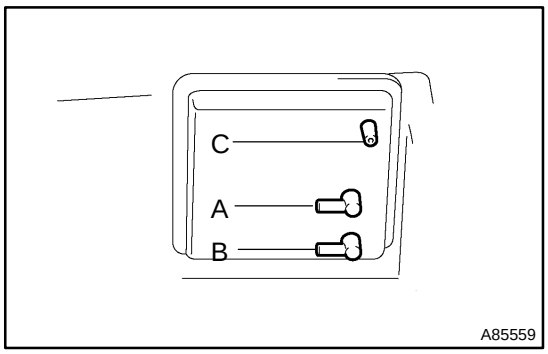


3. INSPECT INTAKE AIR CONTROL VALVE ASSY NO.3

(a) Apply 26.7 kPa (200 mmHg, 7.9 in.Hg) of vacuum to the actuator. Check if the valve rotates open, as shown in the illustration.

(b) Apply the vacuum for one minute. The actuator should continue to be keeping the valve open.

If the result is not as specified, replace the IAC valve assy No. 3.



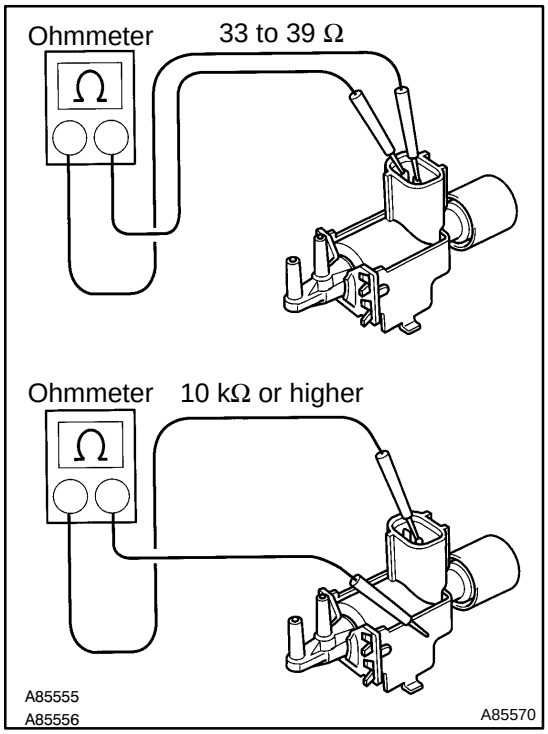
4. INSPECT VACUUM SWITCHING VALVE ASSY FOR ACIS

(a) Cover port C with your finger, and check that air flows from port B to port A.

(b) Cover ports C with your finger, and check that air does not flow from port A to port B.

(c) Cover port 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 air cleaner cap.



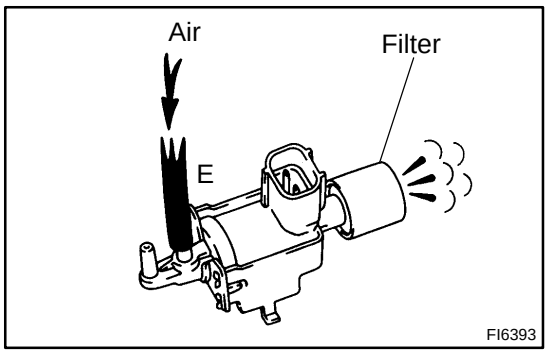
5. INSPECT VALVE ASSY, VACUUM SWITCHING FOR IAC VALVE NO.1 (1MZ−FE ONLY) AND NO.2

(a) Check the VSV resistance.

Standard:

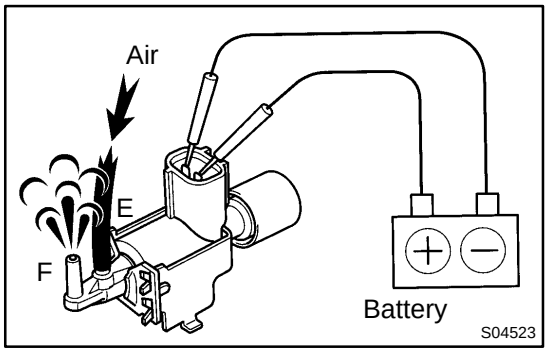
Tester Connection	Specified Condition
1 − 2	33 to 39 Ω at 20°C (68°F)
1 − Body ground 2 − Body ground	10 kΩ or higher

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



(b) Check VSV operation.

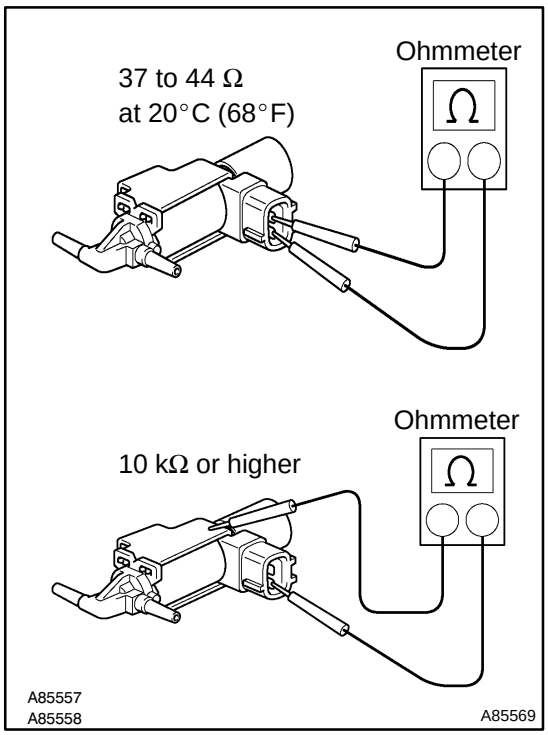
(1) Check that air flows from port E to the filter.



(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.



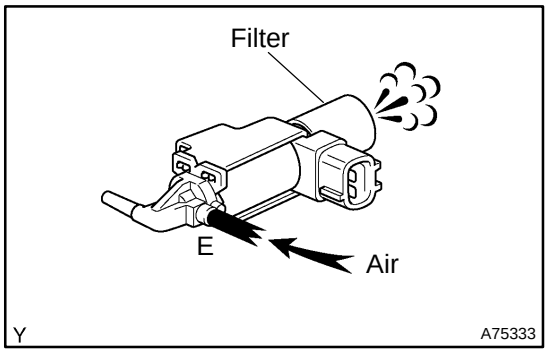
6. INSPECT VACUUM SWITCHING VALVE ASSY FOR IAC VALVE ASSY NO. 3

(a) Check the VSV resistance.

Standard:

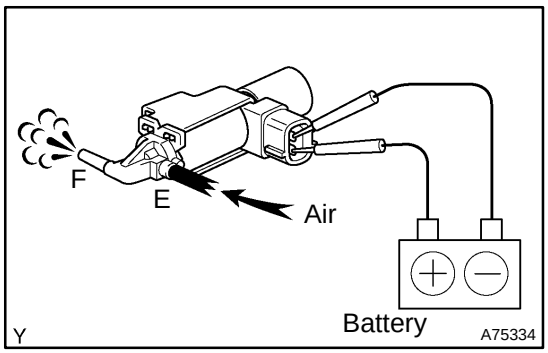
Tester Connection	Specified Condition
1 − 2	37 to 44 Ω at 20°C (68°F)
1 − Body ground 2 − Body ground	10 kΩ or higher

If the result is not as specified, replace the VSV assy No. 3.



(b) Check VSV operation.

(1) Check that air flows from port E to the filter.



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

If the result is not as specified, replace the VSV assy No. 3.