

AIR INTAKE CONTROL CIRCUIT

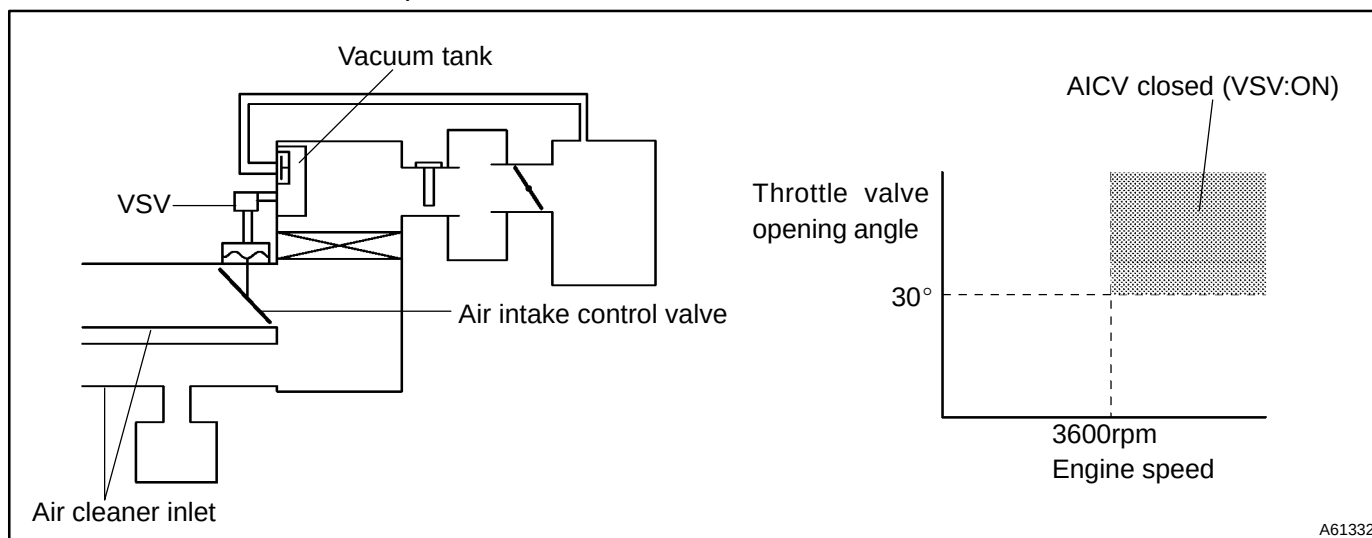
CIRCUIT DESCRIPTION

The air cleaner inlet is divided into two areas, and a air intake control valve and an actuator have been provided in one of the areas.

As a result, a reduction in intake noise and an increase in the power output have been realized in the low to the high-speed range of the engine.

When the engine is operating in the low-to mid-speed range, this control operates the air intake control valve to close one side of the air cleaner inlet.

When the engine speed is more than 3600 rpm. and the opening of the throttle valve is more than 30°, the ECM activates VSV ON and operates AICV.



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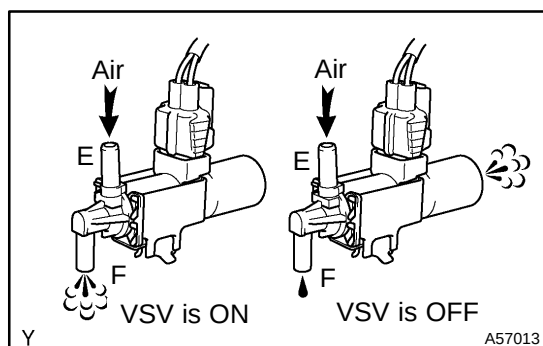
WIRING DIAGRAM

Refer to ACIS CONTROL CIRCUIT on page 05-170 .

INSPECTION PROCEDURE

Hand-held Tester:

1 READ VALUE OF HAND-HELD TESTER(VSV FOR AICV)



- Turn the ignition switch ON and hand-held tester main switch ON.
- Select the INTAKE CTRL VSV from the ACTIVE TEST menu on the hand-held tester.
- Check the operation of the VSV when the VSV is operated by the hand-held tester.

VSV is ON:

Air from port E flows out through port F.

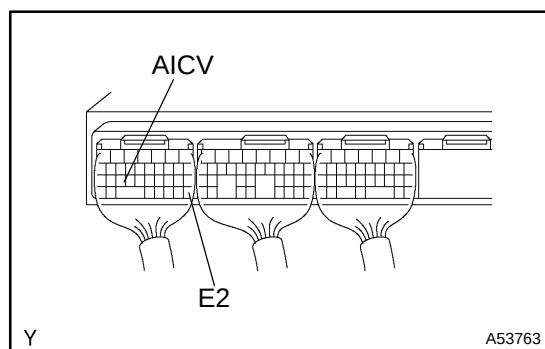
VSV is OFF:

Air from port E flows out through the air filter.

OK

INSPECT VACUUM TANK

NG

2 CHECK CHECK VSV(FOR AICV) (See page 13-2)**NG****REPLACE INTAKE AIR CONTROL VALVE ASSY NO.3****OK****3 CHECK HARNESS AND CONNECTOR(COMPUTRE RELAY - ECM)****NG****REPAIR OR REPLACE HARNESS AND CONNECTOR****OK****CHECK AND REPLACE ECM****OBDII scan tool (excluding Hand-held Tester):****1 CHECK VSV(FOR - AICV) (See page 13-2)****NG****REPLACE INTAKE AIR CONTROL VALVE ASSY NO.3****OK****2 INSPECT ECM**

- (a) Turn the ignition switch ON.
- (b) Measure the voltage between terminals AICV and E2 of the ECM E8 and E9 connector.

Voltage: 9 - 14 V**NG****CHECK HARNESS AND CONNECTOR****OK****3 INSPECT VACUUM TANK****NG****REPAIR OR REPLACE****OK****CHECK AND REPLACE ECM**