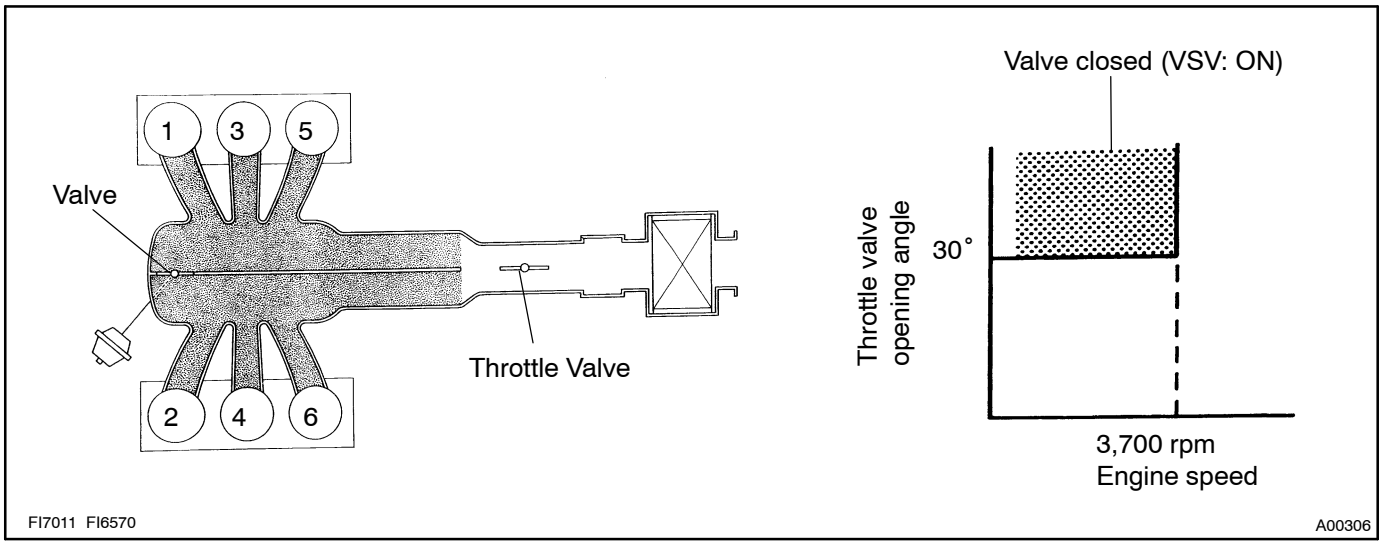
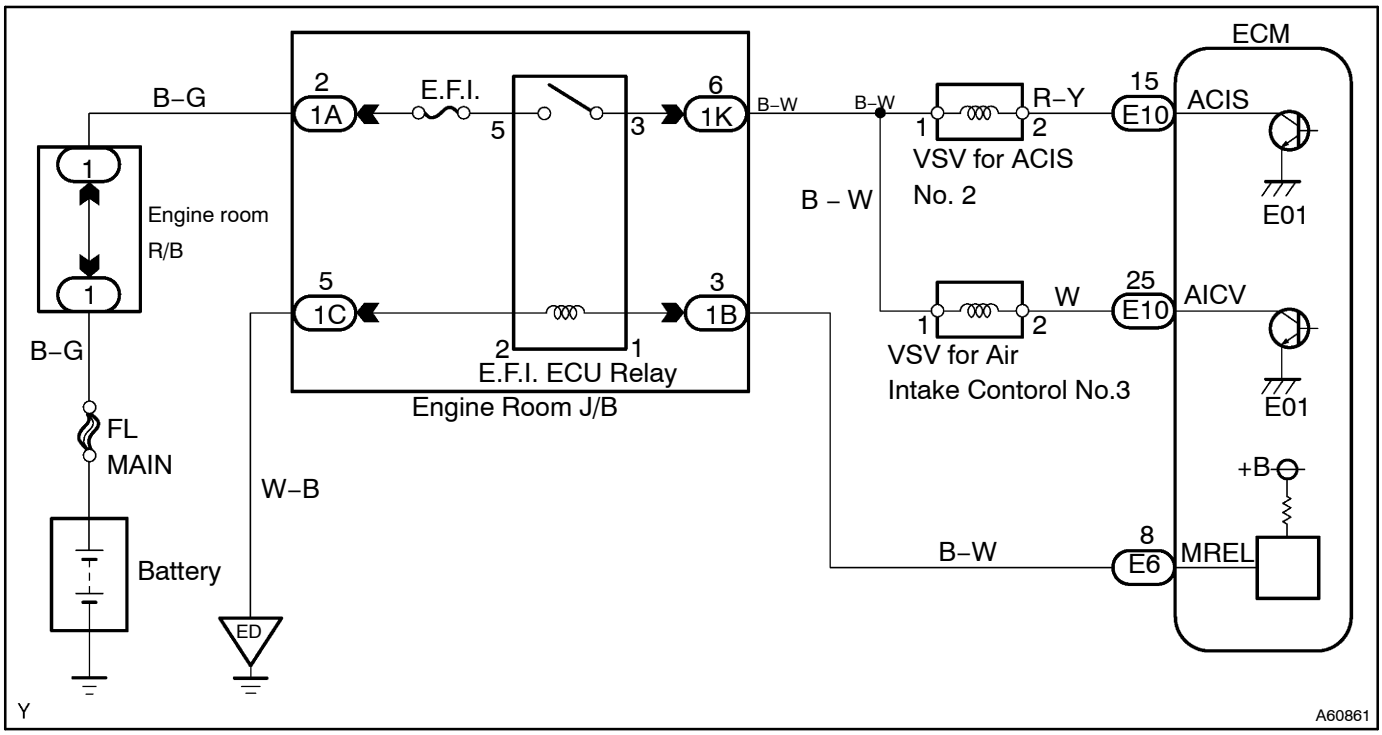
DTC	P1651/96	VSV for ACIS Circuit Malfunction

CIRCUIT DESCRIPTION

This circuit is opens and closes the Intake Air Control Valve in response to the engine load in order to increase the intake efficiency (ACIS: Acoustic Control Induction System).
When the engine speed is 3,700 rpm or less and the throttle valve opening angle is 30° or more, the ECM turns the two VSV ON or OFF and operate the Intake Air Control Valve.



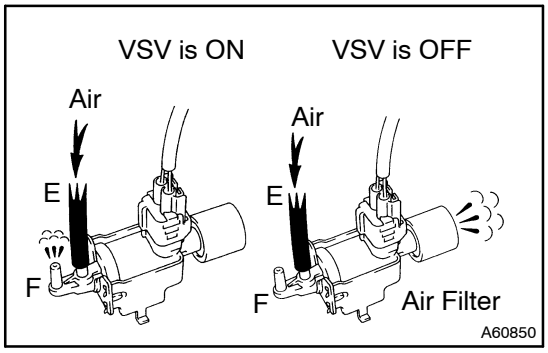
WIRING DIAGRAM



INSPECTION PROCEDURE

When using Hand–held Tester:

1	PERFORM ACTIVE TEST BY HAND–HELD TESTER(VSV FOR ACIS)



(a) Turn the ignition switch ON and hand–held tester main switch ON.
(b) Select the INTAKE CTRL VSV from the ACTIVE TEST menu on the hand–held tester.
(c) 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 VSV(FOR ACIS) (See Page 13–2)

NG → **REPLACE VACUUM SWITCHING VALVE ASSY NO.1**

OK

3	CHECK HARNESS AND CONNECTOR(E.F.I. ECU RELAY – ECM)

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

CHECK AND REPLACE ECM

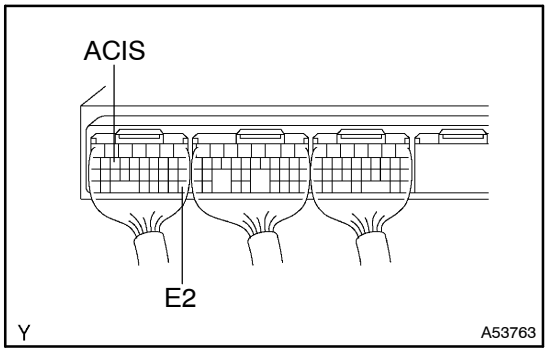
When not using Hand–held Tester:

1	CHECK VSV(FOR ACIS) (See Page 13–2)

NG → REPLACE VACUUM SWITCHING VALVE ASSY NO.1

OK

2	INSPECT ECM



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminals ACIS and E2 of the ECM connector.
Voltage: 9 – 14 V

NG → CHECK HARNESS AND CONNECTOR

OK

3	INSPECT VACUUM TANK (See Page 13–2)

NG → REPAIR OR REPLACE

OK

CHECK AND REPLACE ECM