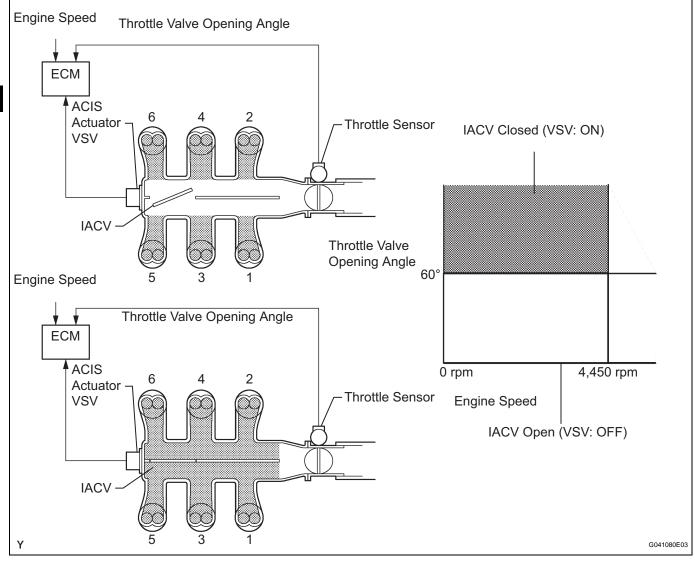
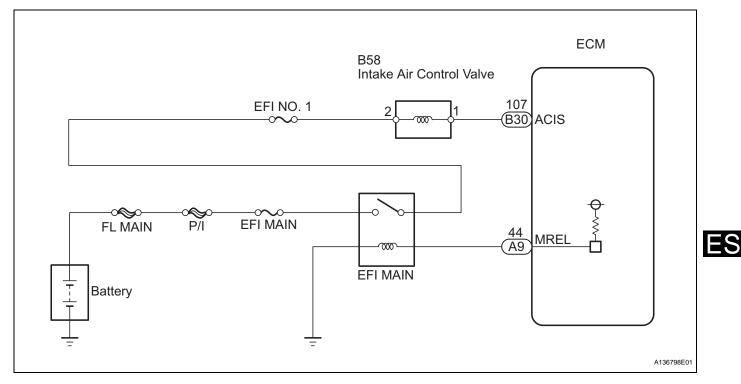
ACIS Control Circuit

DESCRIPTION

This circuit opens and closes the Intake Air Control Valve (IACV) in response to changes in the engine load in order to increase the intake efficiency (ACIS: Acoustic Control Induction System). When the engine speed is between 0 and 4,450 rpm and the throttle valve opening angle is 60° or more, the ECM supplies current to the VSV (ON status), to close the IACV. Under other conditions, the VSV is usually OFF and the IACV is open.



WIRING DIAGRAM



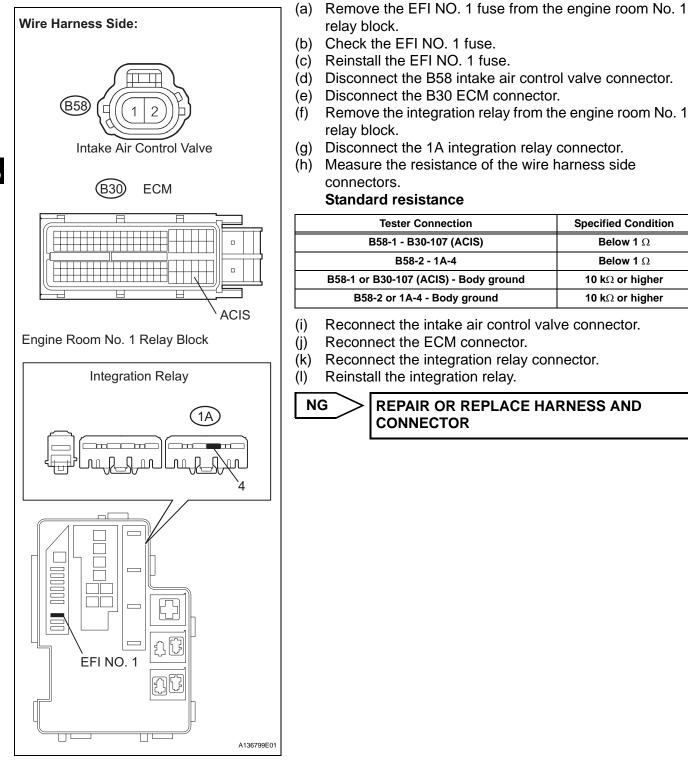
INSPECTION PROCEDURE

PERFORM ACTIVE TEST E	BY INTELLIGENT TESTER (OPERATE VSV FOR ACIS)
	 (a) Connect the intelligent tester to the DLC3. (b) Start the engine and turn the intelligent tester on. (c) Select the following menu items: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST / INTAKE CTL VSV1. Operate the VSV for ACIS. OK: Operational noise can be heard.
	OK PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
NG 2 CHECK INTAKE AIR CONT	ROL VALVE (OPERATION)
	 (a) Disconnect the B58 air intake valve connector. (b) Apply battery voltage between the terminals of the air intake valve connector. (c) Check the air intake valve operation. OK: Operational noise can be heard.
2 CHECK INTAKE AIR CONT	 (a) Disconnect the B58 air intake valve connector. (b) Apply battery voltage between the terminals of the air intake valve connector. (c) Check the air intake valve operation. OK:



3

CHECK WIRE HARNESS (INTAKE AIR CONTROL VALV - ECM, INTEGRATION RELAY)



REPLACE ECM