# IACV Control VSV Circuit

## **CIRCUIT DESCRIPTION**

This circuit opens and closes the IACV (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 2,300 - 3,500 rpm or less and the throttle valve opening angle is  $10^{\circ}$  or more, the engine ECU turns the VSV ON and closes the IACV. In the other conditions, the VSV is OFF, so the IACV is open.



DI5YX-02

### WIRING DIAGRAM





#### **INSPECTION PROCEDURE**

HINT:

The inspection procedures are same for both LH and RH bank engine ECU and described in this manual. Even though terminal name and part name on the side of RH bank are described in parenthesis, perform the inspection for only defective ECU.

#### When using hand-held tester



2	Check VSV for ACIS (See Pub. No. RM677E, page FI–43).
	NG Replace VSV for ACIS.

ОК



3	Check for vacuum tank (See Pub. No. RM677E, page FI–43).	
	NG Repair or replace.	
ΟΚ		
Checl ( <mark>See</mark>	c and replace engine ECU page IN–20).	