

## VARIABLE RESISTOR (G.C.C. Countries) INSPECTION

FI00H-02

### 1. INSPECT POWER SOURCE VOLTAGE OF VARIABLE RESISTOR

- Disconnect the variable resistor connector.
- Turn the ignition switch ON.
- Using a voltmeter, measure the voltage between connector terminals VC and E2 of the wiring harness side.

**Voltage: 4.5 – 5.5 V**

- Reconnect the variable resistor connector.

### 2. INSPECT POWER OUTPUT OF VARIABLE RESISTOR

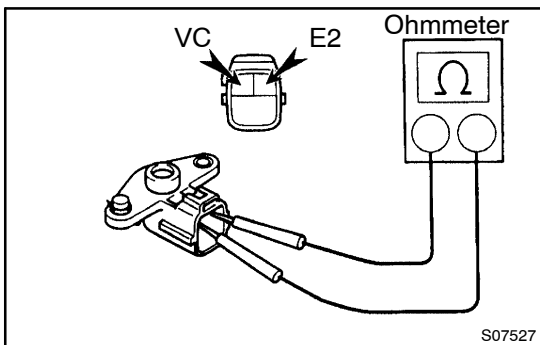
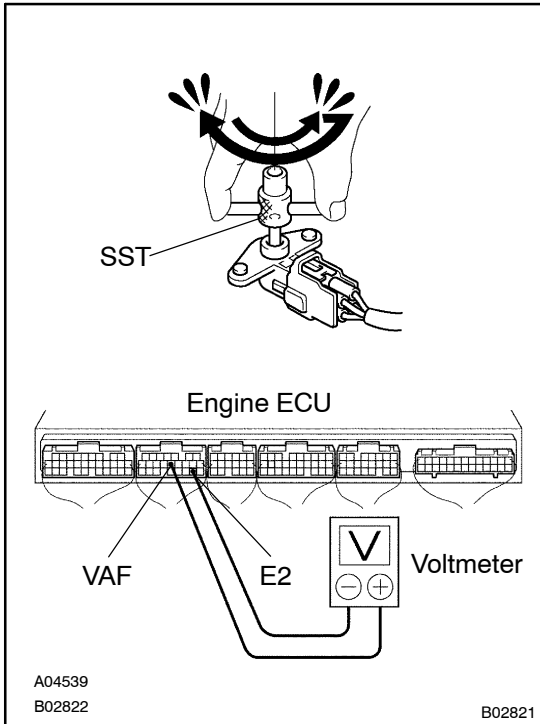
- Turn the ignition switch ON.
- Connect a voltmeter to terminals VAF and E2 of the engine ECU, and measure the voltage while slowly turning the idle mixture adjusting screw first fully counter-clockwise, and then fully clockwise using SST.

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- Check that voltage changes smoothly from 0 V to approx. 5 V.

**HINT:**

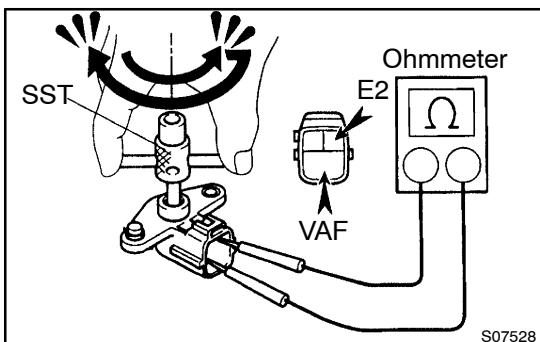
There is no sudden jump up to 5 V or down to 0 V.



### 3. INSPECT RESISTANCE OF VARIABLE RESISTOR

- Disconnect the variable resistor connector.
- Using an ohmmeter, measure the resistance between terminals VC and E2 of the variable resistor.

**Resistance: 4 – 6 kΩ**



- Using SST, turn the idle mixture adjusting screw fully counterclockwise.

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- Connect the ohmmeter to terminals VAF and E2 of the variable resistor, and turn the idle mixture adjusting screw fully clockwise and check that the resistance value changes from approx. 5 kΩ to 0 Ω accordingly.
- Reconnect the variable resistor connector.