

INSPECTION

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

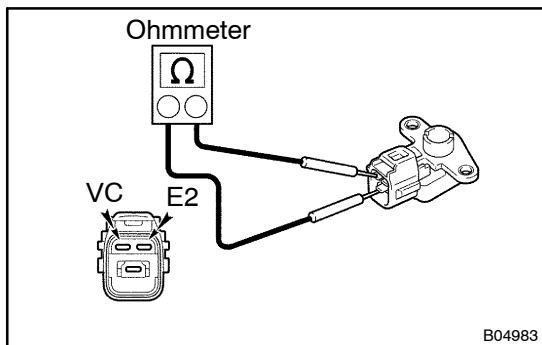
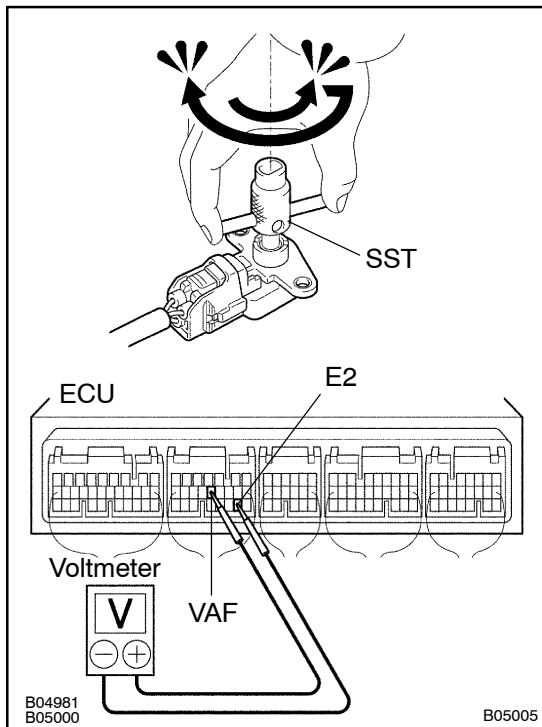
- Turn the ignition switch ON.
- Connect a voltmeter to terminals VAF and E2 of the engine ECU, and measure the voltage while slowly turning the idle mixture adjusting screw first fully counter-clockwise, and then fully clockwise using SST.

SST 09243-00020

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

HINT:

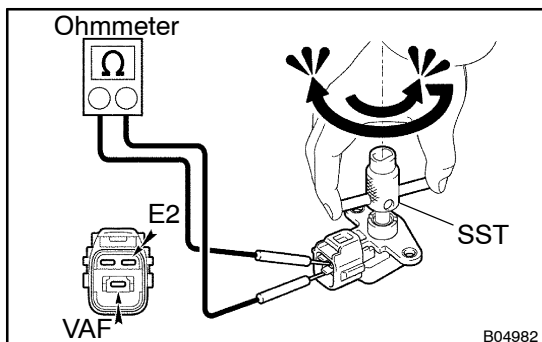
There is no sudden jump up to 5 V or down to 0 V.



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.
- 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.