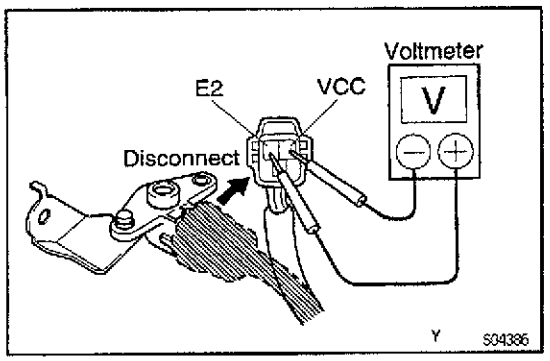


VARIABLE RESISTOR

VARIABLE RESISTOR INSPECTION

EG6RN-04

1. INSPECT POWER SOURCE VOLTAGE OF VARIABLE RESISTOR

(a) Disconnect the variable resistor connector.

(b) Turn the ignition switch ON.

(c) Using a voltmeter, measure the voltage between connector terminals VCC and E2 of the wiring harness side.

Voltage:

4.5 – 5.5 V

(d) Reconnect the variable resistor connector.

2. INSPECT POWER OUTPUT OF VARIABLE RESISTOR

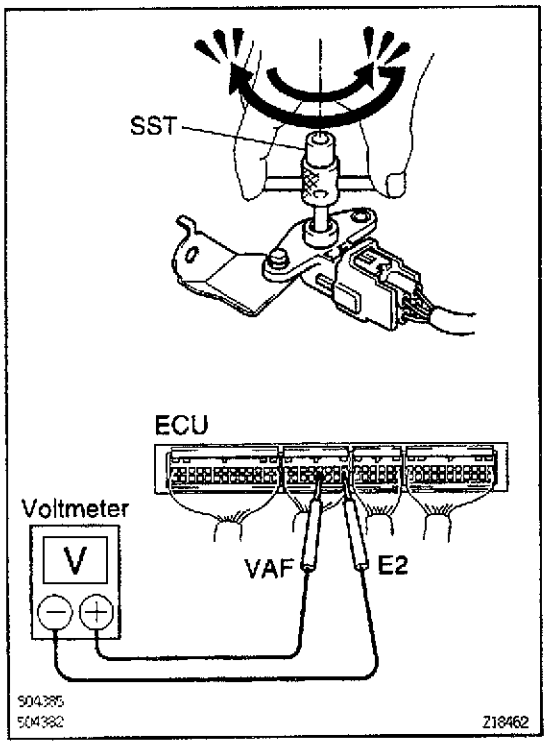
(a) Turn the ignition switch ON.

(b) Connect a voltmeter to terminals VAF and E2 of the 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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(c) 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.



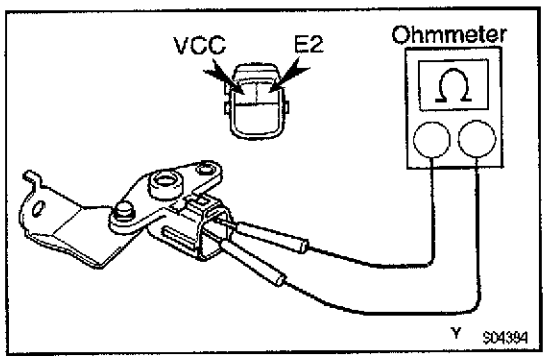
3. INSPECT RESISTANCE OF VARIABLE RESISTOR

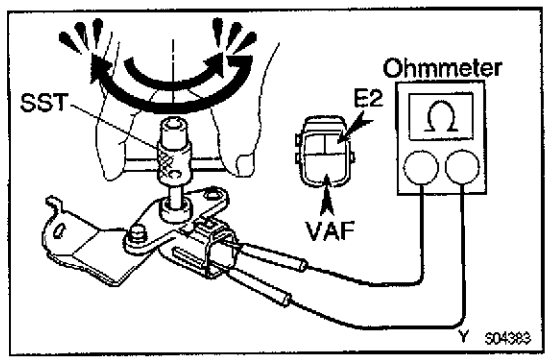
(a) Disconnect the variable resistor connector.

(b) Using an ohmmeter, measure the resistance between terminals VCC and E2 of the variable resistor.

Resistance:

4 – 6 kΩ





(c) Using SST, turn the idle mixture adjusting screw fully counterclockwise.

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(d) 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.

(e) Reconnect the variable resistor connector.