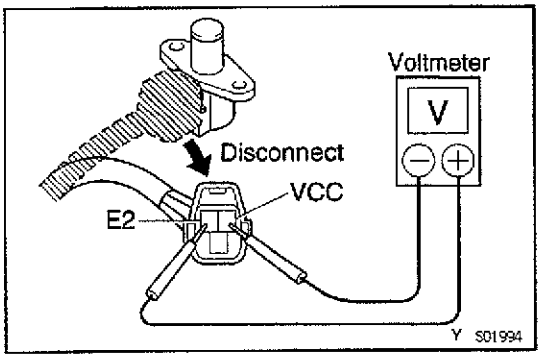
VARIABLE RESISTOR (w/o TWC)

VARIABLE RESISTOR INSPECTION

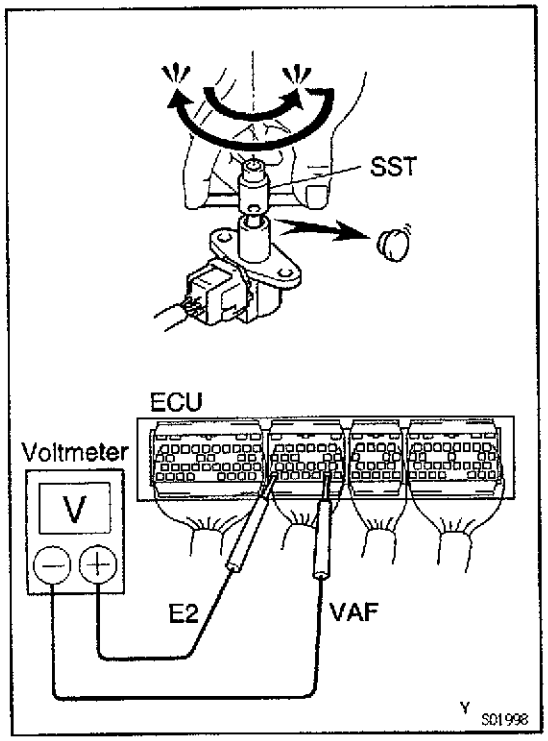
E68ZC-02

1. INSPECT POWER SOURCE VOLTAGE OF VARIABLE RESISTOR

(a) Disconnect the variable resistor connector.
(b) Turn the ignition switch ON.

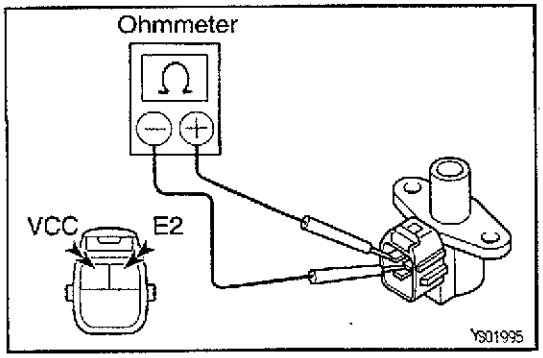


(c) Using a voltmeter, measure the voltage between connector terminals VCC and E2 of the wiring harness side.
Voltage:
4.5 – 5.5 V
(d) Turn the ignition switch to LOCK.
(e) Reconnect the variable resistor connector.



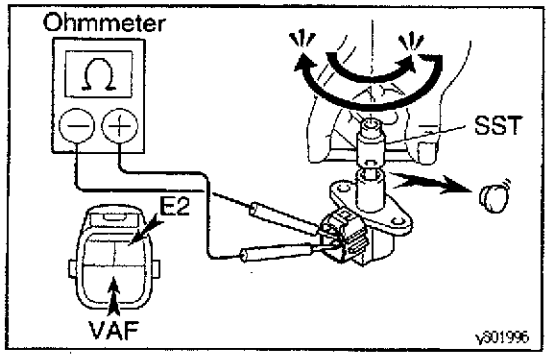
2. INSPECT POWER OUTPUT OF VARIABLE RESISTOR

(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 by using SST.
SST 09243–00020
(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.
SST 09243–00020

(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 kΩ accordingly.

(e) Reconnect the variable resistor connector.

IDLE CO CHECK AND ADJUSTMENT

EG6ZD–04

CHECK AND ADJUST IDLE CO
(See idle CO check and adjust in Engine Mechanical)