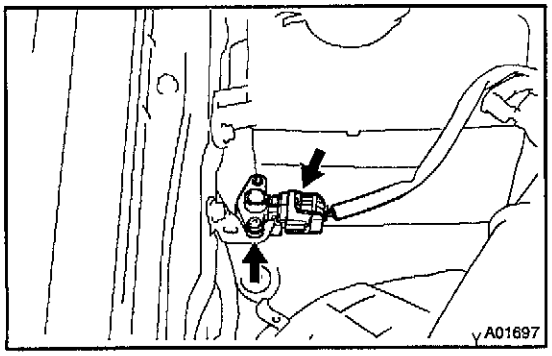
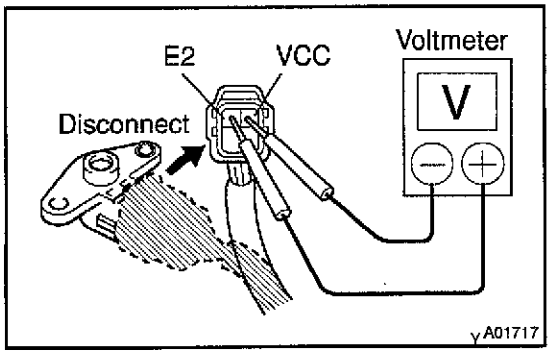


VARIABLE RESISTOR

FI01X-01

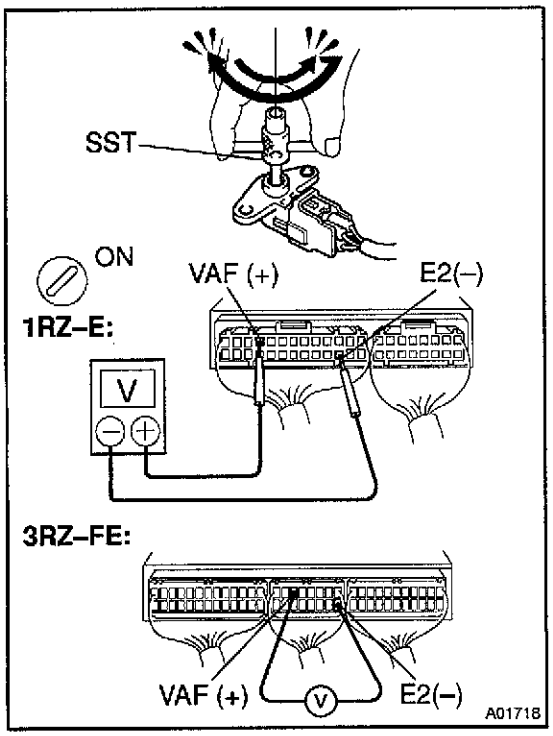
INSPECTION

1. REMOVE VARIABLE RESISTOR



2. INSPECT POWER SOURCE VOLTAGE OF VARIABLE RESISTOR

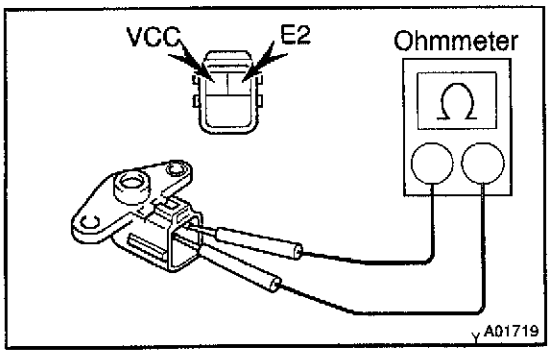
(a) Disconnect the variable resistor connector.
(b) Turn the ignition switch ON.
(c) Using a voltmeter, VCC and E2 of the wiring harness side.
Voltage: 4.5 – 5.5 V
(d) Reconnect the variable resistor connector.



3. INSPECT POWER OUTPUT OF VARIABLE RESISTOR

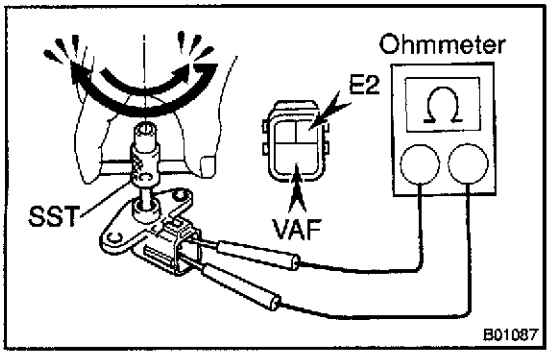
(a) Turn the ignition switch ON.
(b) Connect a voltmeter to terminals VAF and E2 of the ECU, and measure the voltage while slowly turning the idle mixture adjusting screw first fully counter–clockwise, and then fully clockwise using SST.
SST 09243–00020
(c) Check that voltage changes smoothly from 0 V to approx. 5 V.

HINT:
These is no sudden jump up to 5 V or down to 0V.



4. 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 resister, 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.