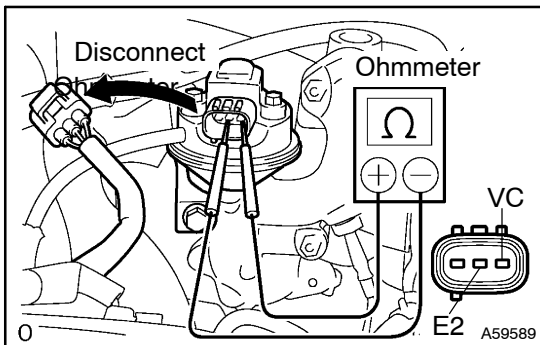


EGR SYSTEM (1MZ-FE)

ON-VEHICLE INSPECTION

12037-01



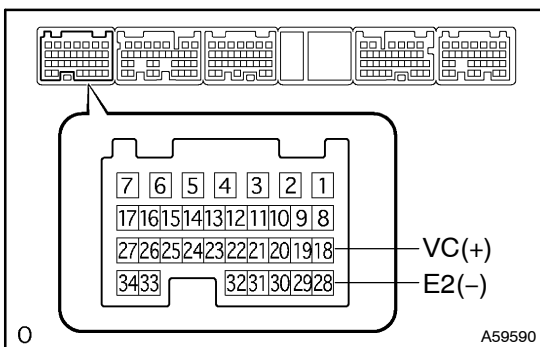
1. INSPECT EGR VALVE POSITION SENSOR

- (a) Inspect the resistance of the EGR valve position sensor.
- (1) Disconnect the EGR valve position sensor connector.
 - (2) Using an ohmmeter, measure the resistance between the terminals VC and E2.

Resistance: 1.5 – 4.3 kΩ

If the resistance is not as specified, replace the EGR valve position sensor.

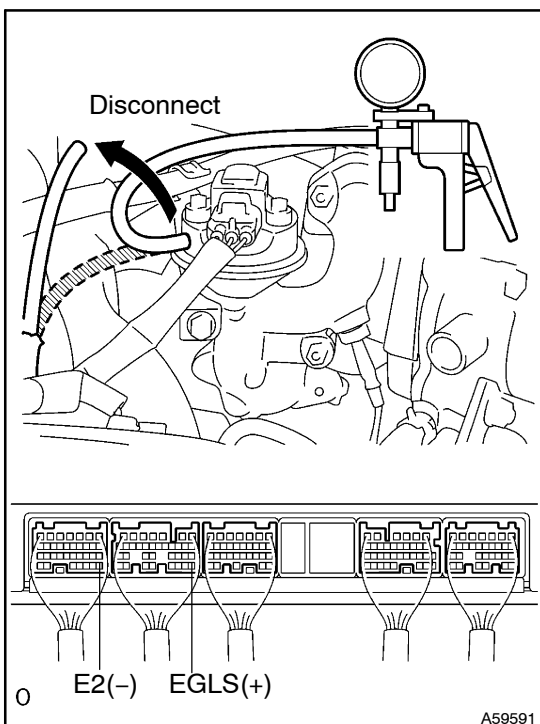
- (3) Reconnect the EGR valve position sensor connector.



- (b) Inspect the power output voltage of the EGR valve position sensor.

- (1) Disconnect the vacuum hose from the EGR valve.
- (2) Turn the ignition switch ON.
- (3) Connect a voltmeter to terminals VC and E2 of the ECM, and measure the power source voltage.

Voltage: 4.5 – 5.5 V



- (4) Connect a voltmeter to terminals EGLS and E2 of the ECM, and measure the power outlet voltage under the following conditions.

- Using the MITYVAC (Hand-Held Vacuum Pump), apply a vacuum (17.3 kPa, 130mmHg, 5.1 in.Hg) to the EGR valve.

Voltage: 3.2 – 5.1 V

- Release the vacuum from the EGR valve.

Voltage: 0.4 – 1.6 V

If the voltage is not as specified, replace the EGR valve position sensor.

- (5) Reconnect the vacuum hose to the EGR valve.