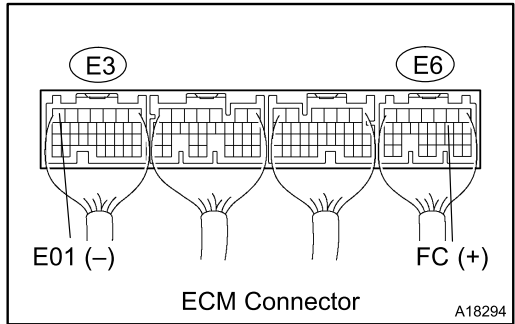


OBD II scan tool (excluding hand-held tester):

1 CHECK OPERATION OF FUEL PUMP

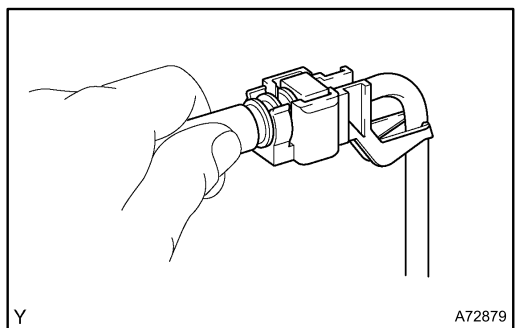


- (a) Turn the ignition switch ON.
- (b) Connect between terminals FC and E01 of the ECM connector.
- (c) Check for fuel pressure in the fuel inlet hose when it is pinched off.

Result: There is pressure in fuel inlet hose.

HINT:

At this time, you will hear the fuel flowing sound.



OK PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05-42)

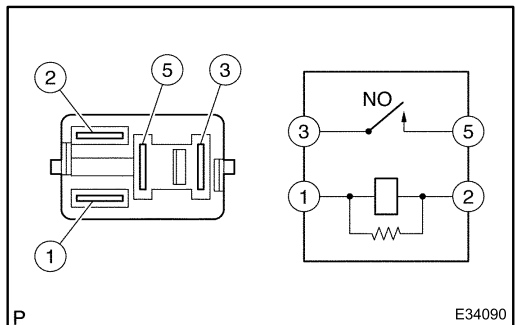
NG

2 INSPECT ECM POWER SOURCE CIRCUIT (See page 05-273)

NG REPAIR OR REPLACE ECM POWER SOURCE CIRCUIT

OK

3 INSPECT CIRCUIT OPENING RELAY



- (a) Remove the circuit opening relay from the instrument panel J/B.
- (b) Check for continuity in the circuit opening relay.

Standard:

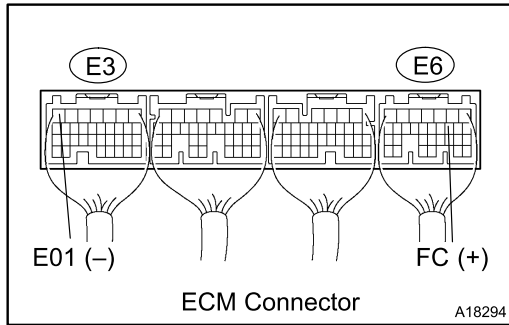
| Tester Connection | Specified Condition |
|-------------------|--|
| 1 - 2 | Continuity |
| 3 - 5 | No continuity |
| | Continuity (Apply battery voltage to terminals 1 and 2) |

- (c) Reinstall the circuit opening relay.

NG REPLACE CIRCUIT OPENING RELAY

OK

4 INSPECT ECM(FC VOLTAGE)



- (a) Turn the ignition switch ON.
- (b) Measure the voltage between the terminals of the E3 and E6 ECM connectors.

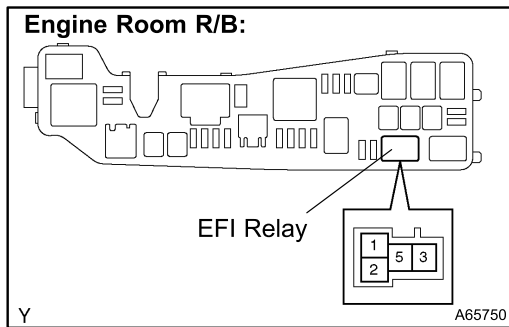
Standard:

| Tester Connection | Specified Condition |
|-------------------------|---------------------|
| FC (E6-10) – E01 (E3-7) | 9 to 14 V |

OK → **REPLACE ECM (See page 10-11)**

NG

5 CHECK HARNESS AND CONNECTOR(EFI RELAY – CIRCUIT OPENING RELAY)



- (a) Remove the EFI relay from the engine room R/B.
- (b) Remove the circuit opening relay from the instrument panel J/B.
- (c) Check the resistance between the wire harness side connectors.

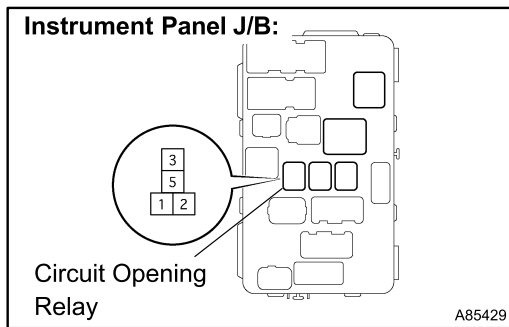
Standard (Check for open):

| Tester Connection | Specified Condition |
|---|---------------------|
| EFI relay (1) – Circuit opening relay (1) | Below 1 Ω |
| EFI relay (3) – Circuit opening relay (5) | |

Standard (Check for short):

| Tester Connection | Specified Condition |
|--|---------------------|
| EFI relay (1) or Circuit opening relay (1) – Body ground | 10 kΩ or higher |
| EFI relay (3) or Circuit opening relay (5) – Body ground | |

- (d) Reinstall the circuit opening relay.
- (e) Reinstall the EFI relay.



NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

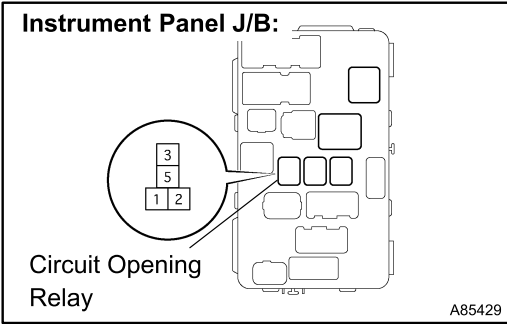
REPLACE ECM (See page 10-11)

6 INSPECT FUEL PUMP

NG → **REPAIR OR REPLACE FUEL PUMP**

OK

7 CHECK HARNESS AND CONNECTOR(CIRCUIT OPENING RELAY – FUEL PUMP,FUEL PUMP – BODY GROUND)



- (a) Remove the circuit opening relay from the instrument panel J/B.
- (b) Disconnect the F10 fuel pump connector.
- (c) Check the resistance between the wire harness side connectors.

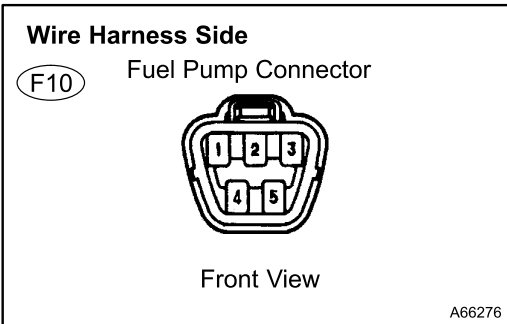
Standard (Check for open):

| Tester Connection | Specified Condition |
|---|---------------------|
| Circuit opening relay (3) – Fuel pump (F10-4) | Below 1 Ω |
| Fuel pump (F10-5) – Body ground | |

Standard (Check for short):

| Tester Connection | Specified Condition |
|--|---------------------|
| Circuit opening relay (3) or Fuel pump (F10-4) – Body ground | 10 kΩ or higher |

- (d) Reconnect the fuel pump connector.
- (e) Reinstall the circuit opening relay.



NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE ECM (See page 10-11)