

ECM Power Source Circuit

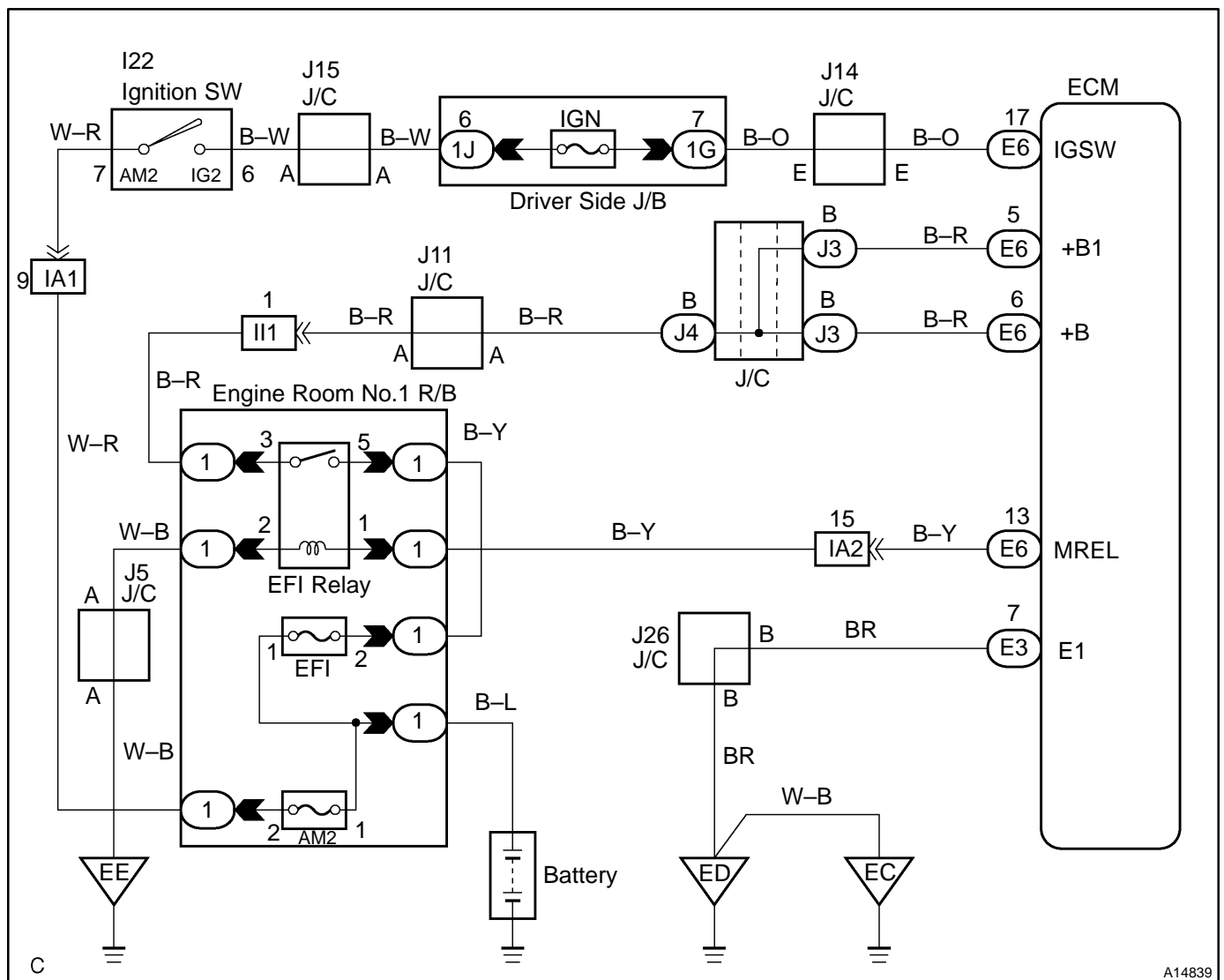
CIRCUIT DESCRIPTION

When the ignition switch is turned ON, battery positive voltage is applied to terminal IGSW of the ECM and the EFI main relay (Marking: EFI) control circuit in the ECM sends a signal to terminal MREL of the ECM switching on the EFI main relay.

This signal causes current to flow to the coil, closing the contacts of the EFI main relay and supplying power to terminal +B of the ECM.

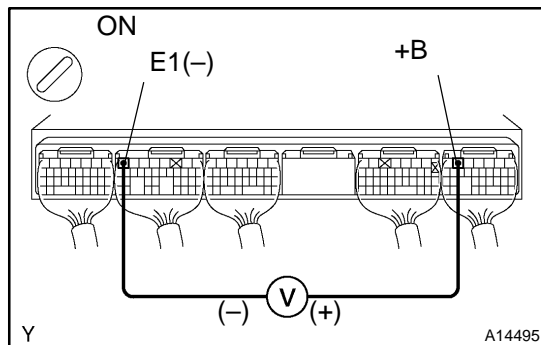
If the ignition switch is turned off, the ECM continues to switch on the EFI main relay for a maximum of 2 seconds for the initial setting of the IAC valve.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check voltage between terminals +B and E1 of ECM connectors.
---	---

**PREPARATION:**

- (a) Remove the engine room ECM cover and hood.
- (b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals +B and E1 of the ECM connectors.

OK:

Voltage: 9 – 14 V

OK

Proceed to next circuit inspection shown on Problem symptoms table (See page [DI-192](#)).

NG

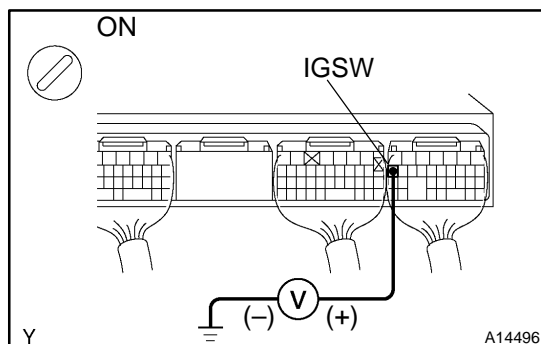
2	Check for open in harness and connector between terminal E1 of ECM and body ground (See page IN-32).
---	---

NG

Repair or replace harness or connector.

OK

3	Check voltage between terminal IGSW of ECM connector and body ground.
---	--

**PREPARATION:**

- (a) Remove the engine room ECM cover and hood.
- (b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal IGSW of the ECM connector and body ground.

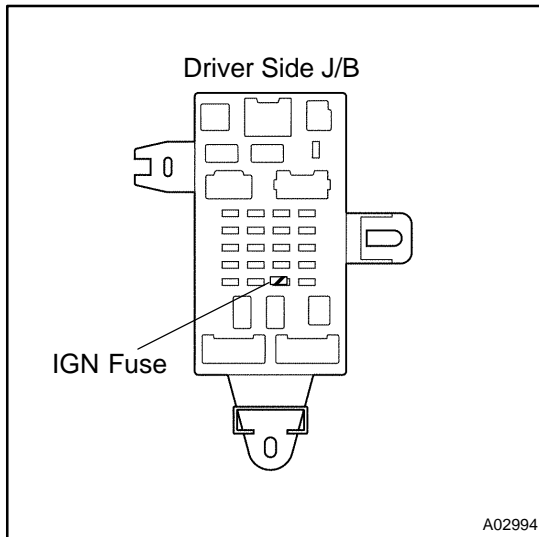
OK:

Voltage: 9 – 14 V

OK

Go to step 6.

NG

4 Check IGN fuse.**PREPARATION:**

Remove the IGN fuse from the driver side J/B.

CHECK:

Check the continuity of the IGN fuse.

OK:

Continuity

NG

Check for short in all harness and components connected to IGN fuse.

OK

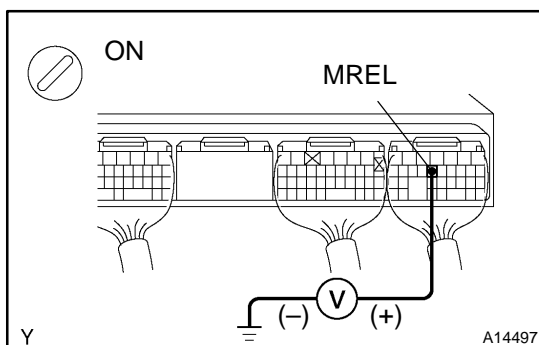
5 Check ignition switch (See page BE-31).

NG

Replace ignition switch.

OK

Check and repair harness and connector between battery and ignition switch, and ignition switch and ECM (See page IN-32).

6 Check voltage between terminal M-REL of ECM connector and body ground.**PREPARATION:**

(a) Remove the engine room ECM cover and hood.

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal M-REL of the ECM connector and body ground.

OK:

Voltage: 9 – 14 V

NG

Check and replace ECM (See page IN-32).

OK

7

Check EFI fuse of engine room No.1 R/B (See page [DI-319](#)).

NG

Check for short in all harness and components connected to EFI fuse.

OK

8

Check EFI main relay (Marking: EFI) (See page [SF-54](#)).

NG

Replace EFI main relay.

OK

9

Check for open and short in harness and connector between terminal M-REL of ECM and body ground (See page [IN-32](#)).

NG

Repair and replace harness or connector.

OK

Check and repair harness or connector between EFI fuse and battery.