DIB2X–01

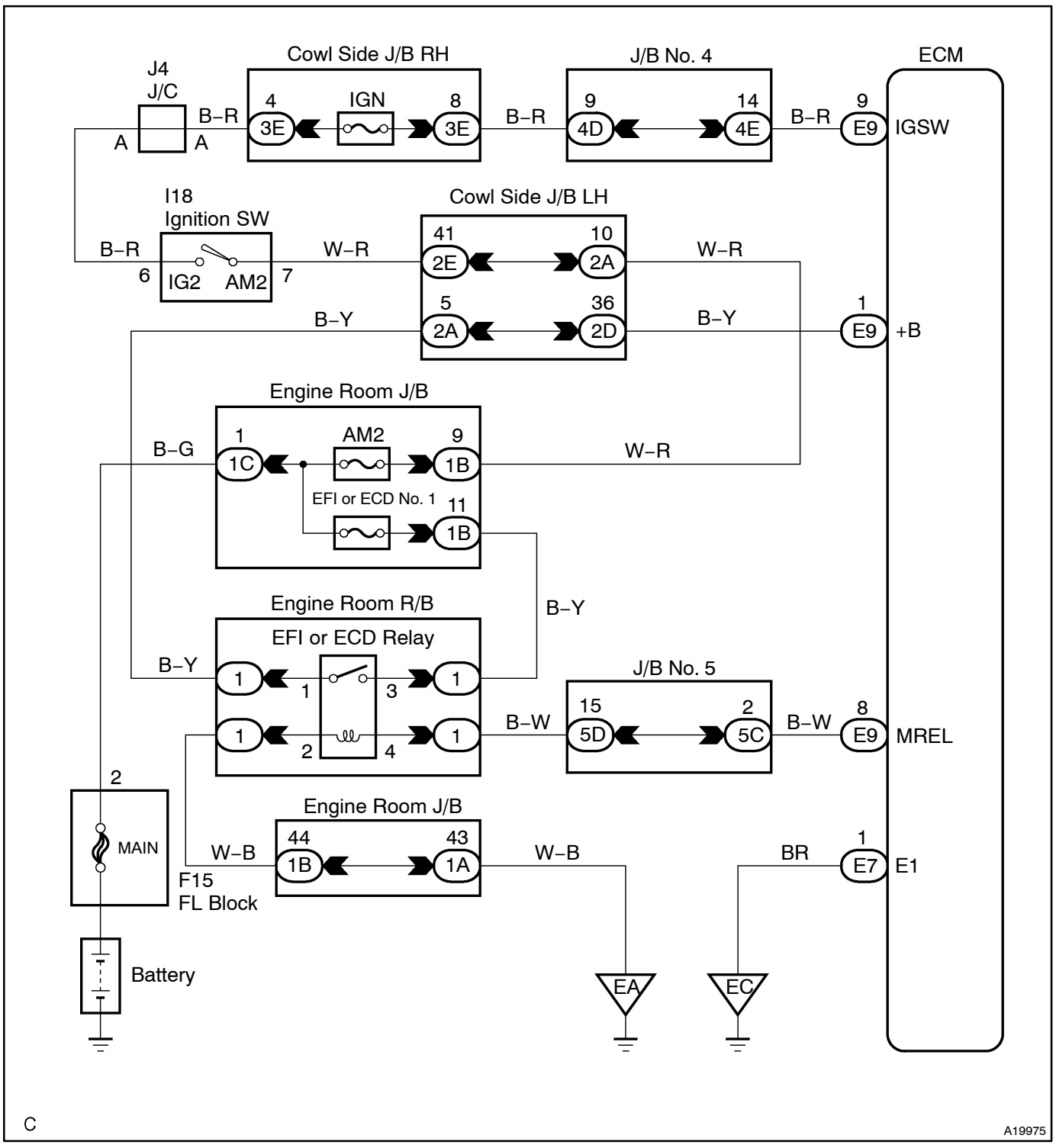
ECM Power Source Circuit

CIRCUIT DESCRIPTION

When the ignition switch is turned ON, battery positive voltage is applied to terminal IG SW of the ECM and the EFI or ECD relay control circuit in the ECM sends a signal to terminal MREL of the ECM switching on the EFI or ECD relay.

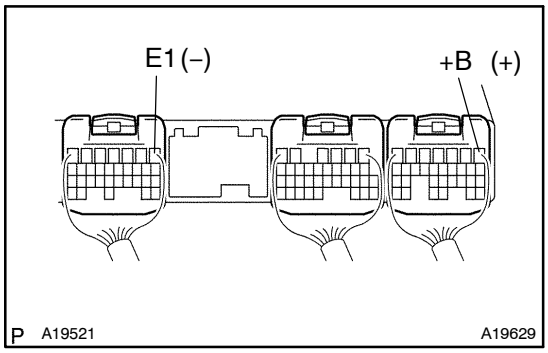
This signal causes current to flow to the coil, closing the contacts of the EFI or ECD relay and supplying power to terminal +B of the ECM.

WIRING DIAGRAM



INSPECTION PROCEDURE

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



PREPARATION:

(a) Remove the glove compartment door (See page SF–60).

(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 BE–2).**

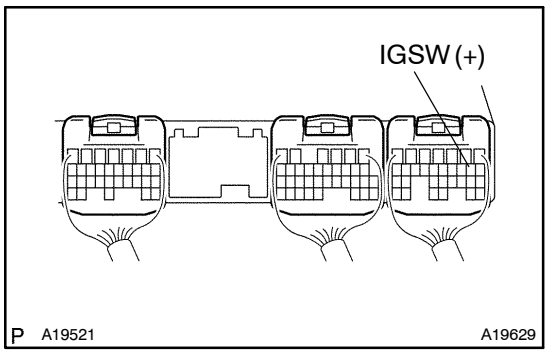
NG

2	**Check for open in harness and connector between terminal E1 of ECM and body ground (See page IN–36).**

NG	**Repair or replace harness or connector.**

OK

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



PREPARATION:

(a) Remove the glove compartment door (See page SF–60).

(b) Turn the ignition switch ON.

CHECK:

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

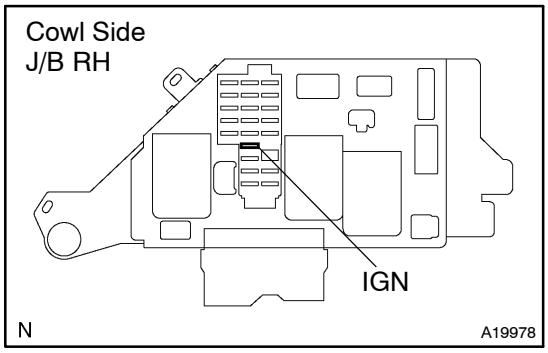
OK:

Voltage: 9 – 14 V

OK	**Go to step 6.**

NG

4	Check IGN fuse.



PREPARATION:
Remove the IGN fuse from the cowl side J/B RH.
CHECK:
Check the continuity of the IGN fuse.
OK:
Continuity

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

OK ↓

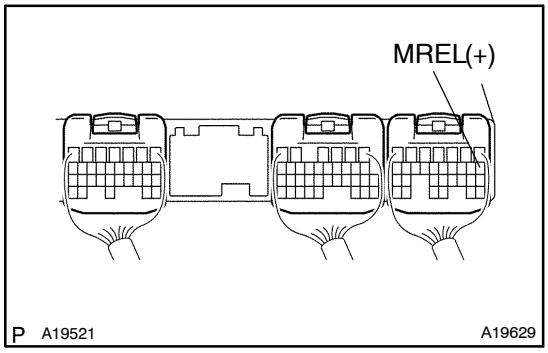
5	Check ignition switch (See page BE–29).

NG → **Replace ignition switch.**

OK ↓

Check and repair harness and connector between battery and ignition switch, and ignition switch and ECM.

6	Check voltage between terminal MREL of ECM connector and body ground.

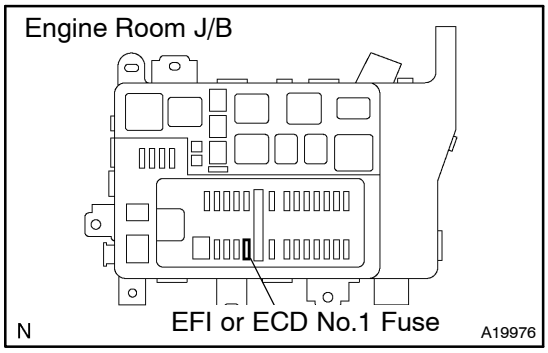


PREPARATION:
(a) Remove the glove compartment door (See page SF–60).
(b) Turn the ignition switch ON.
CHECK:
Measure the voltage between terminal MREL of the ECM connector and body ground.
OK:
Voltage: 9 – 14 V

NG → **Check and replace ECM (See page IN–36).**

OK ↓

7	**Check EFI or ECD No. 1 fuse of engine room J/B.**



PREPARATION:
Remove the EFI or ECD No.1 fuse from the engine room J/B.
CHECK:
Check continuity of EFI or ECD No.1 fuse.
OK:

Continuity

NG → **Check for short in all harness and components connected to EFI or ECD No.1 fuse.**

OK

8	**Check EFI or ECD relay (See page SF–38).**

NG → **Replace EFI or ECD relay.**

OK

9	**Check for open and short in harness and connector between terminal MREL of ECM and body ground (See page IN–36).**

NG → **Repair and replace harness or connector.**

OK

Check and repair harness or connector between EFI or ECD No. 1 fuse and battery.