DI9Q5–02

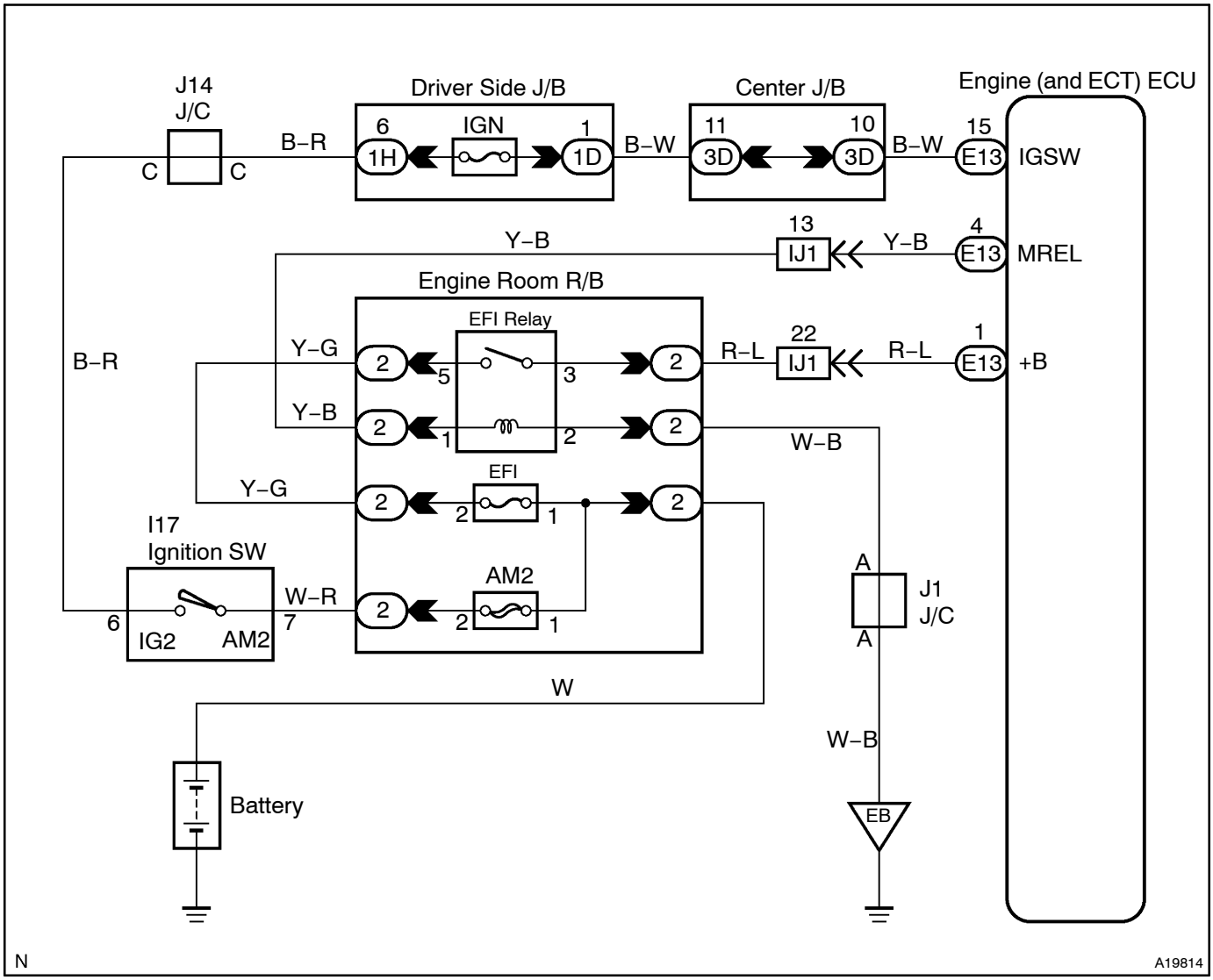
Engine ECU Power Source Circuit

CIRCUIT DESCRIPTION

When the ignition switch is turned ON, battery positive voltage is applied to terminal IGSW of the engine (and ECT) ECU, and the EFI relay (Making: EFI) control circuit in the engine (and ECT) ECU sends a signal to terminal MREL of the engine (and ECT) ECU, switching on the EFI relay. This signal causes the current to flow to the coil, closing the contacts of the EFI relay and supplying power to terminals +B of the engine (and ECT) ECU.

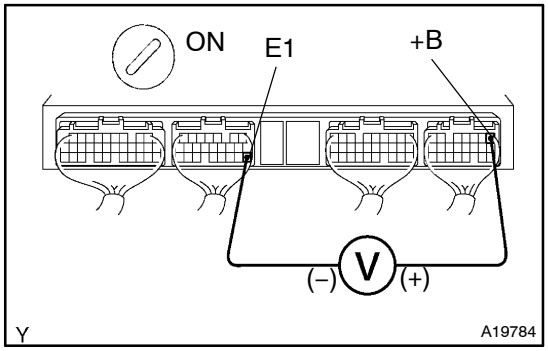
If the ignition switch is turned OFF, the engine (and ECT) ECU continues to switch the EFI relay on for maximum of 2 seconds to perform the initial setting of the throttle body.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check voltage between terminals +B and E1 of engine (and ECT) ECU connector.**



PREPARATION:

(a) Remove the glove compartment door.

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals +B and E1 of the engine (and ECT) ECU connector.

OK:

9 – 14 V

OK	**Proceed to next circuit inspection shown on Problem symptoms table (See page DI–21).**

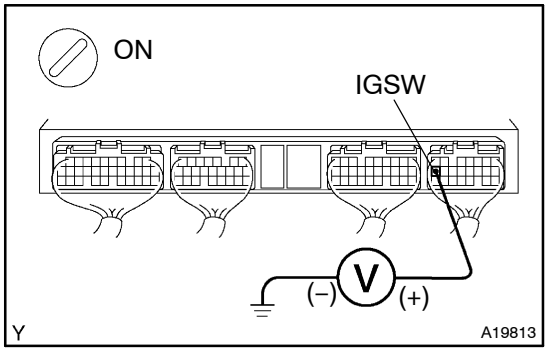
NG

2	**Check for open in harness and connector between terminal E1 of engine (and ECT) ECU and body ground (See page IN–20).**

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

OK

3	**Check voltage between terminal IGSW of engine (and ECT) ECU connector and body ground.**



PREPARATION:

(a) Remove the glove compartment door.

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal IGSW of the engine (and ECT) ECU and the body ground.

OK:

9 – 14 V

OK	**Go to step 6.**

NG

4	**Check IGN fuse.**

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

OK

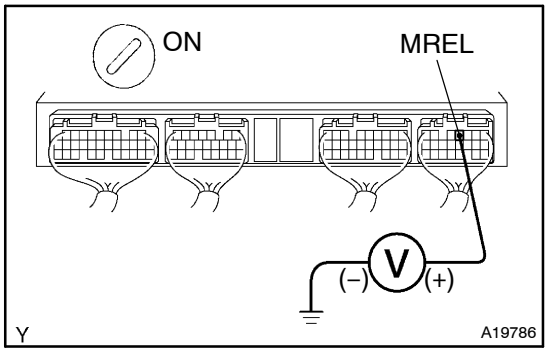
5	**Check ignition switch (See Pub. No. RM585E, page BE–13).**

NG → **Replace ignition switch.**

OK

Check and repair harness and connector between battery and ignition switch, ignition switch and engine (and ECT) ECU.

6	**Check voltage between terminal MREL of engine (and ECT) ECU connector and body ground.**



PREPARATION:

(a) Remove the glove compartment door.

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal MREL of the engine (and ECT) ECU connector and the body ground.

OK:

9 – 14 V

NG → **Check and replace engine (and ECT) ECU (See page IN–20).**

OK

7	Check EFI fuse.

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

OK

8	Check EFI relay (Marking: EFI).

NG → Replace EFI relay (Marking: EFI).

OK

9	Check for open and short in harness and connector between terminal MREL of engine (and ECT) ECU and body ground (See page IN–20).

NG → Repair and replace harness or connector.

OK

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