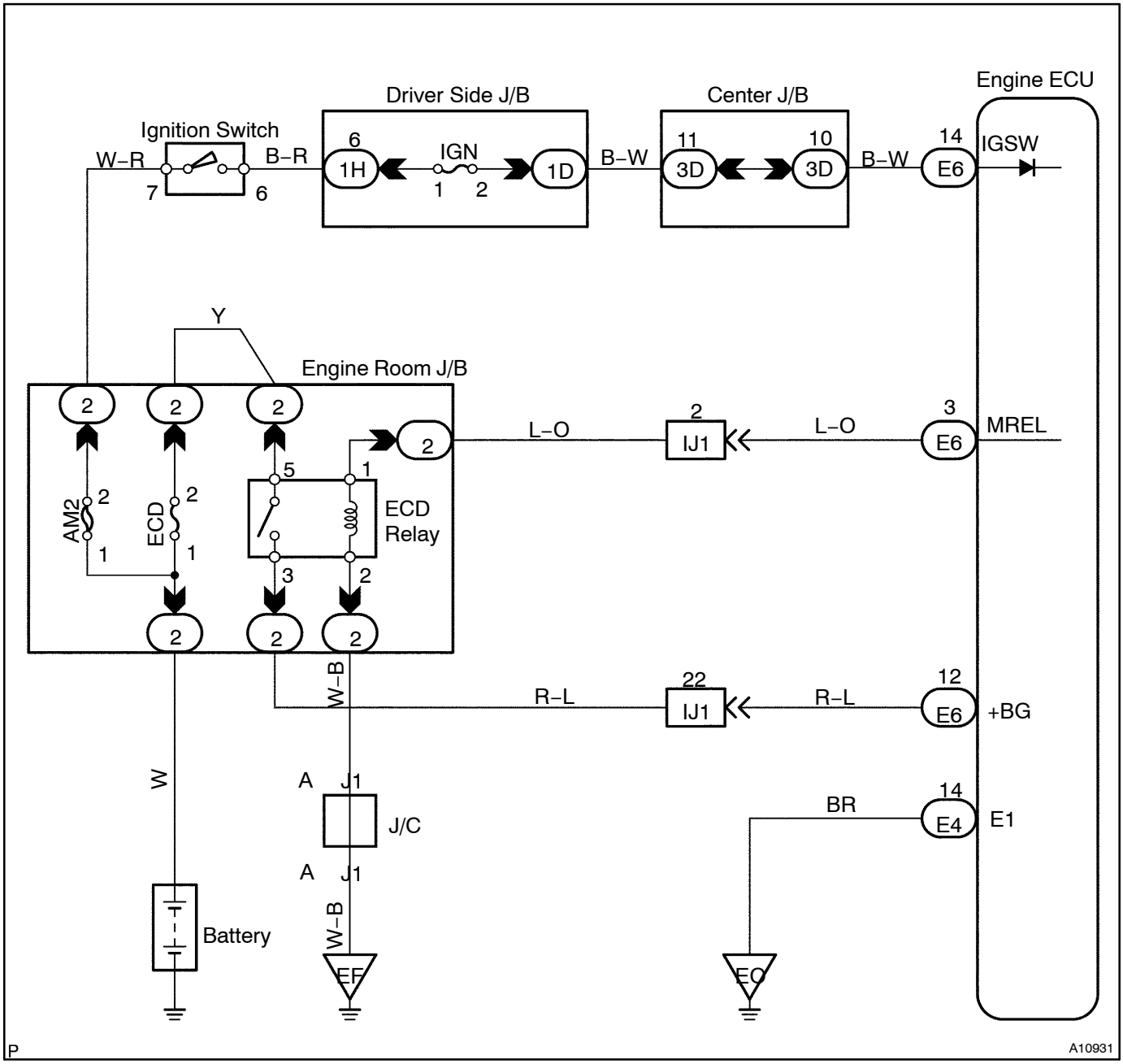
DI6K3–01

Engine ECU Power Source Circuit

CIRCUIT DESCRIPTION

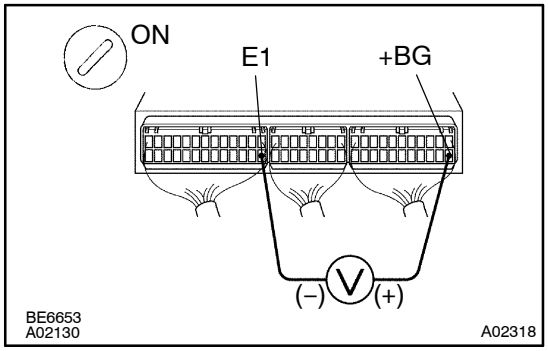
When the ignition switch is turned ON, battery voltage is applied to the coil, closing the contacts of the ECD relay (Marking: ECD) and supplying power to the terminal +BG of the engine ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check voltage between terminals +BG and E1 of engine ECU connectors.**



PREPARATION:

(a) Remove the glove compartment (See page ED–25).

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals +BG and E1 of the engine ECU connectors.

OK:

Voltage: 9 – 14 V

OK	**Proceed to next circuit inspection shown on problem symptoms table (See page DI–17).**

NG

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

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

OK

3	**Check ECD main relay (Marking: ECD) (See page ED–10).**

NG	**Replace ECD main relay.**

OK

4	**Check ECD fuse (See page DI–47, step 2).**

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

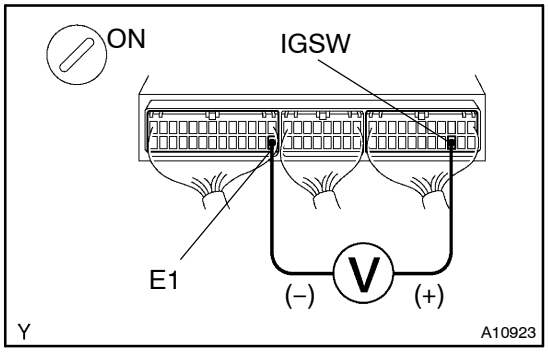
OK

5	**Check for open in harness and connector between engine ECU and ECD main relay (Marking: ECD), and ECD main relay and battery (See page IN–20).**

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

OK

6	**Check voltage between terminals IGSW and E1 of engine ECU connectors.**



PREPARATION:
(a) Remove the glove compartment (See page ED–25).
(b) Turn the ignition switch ON.

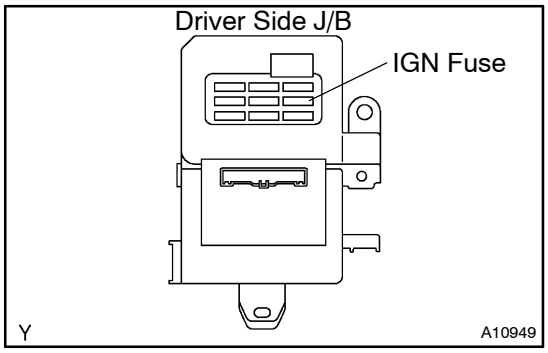
CHECK:
Measure the voltage between terminals IGSW and E1 of the engine ECU connectors.

OK:
Voltage: 9 – 14 V

OK → **Go to step 10.**

NG

7	**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 ECD fuse.**

OK

8	**Check ignition switch (See Pub. No. RM585E, pages BO–67 and BE–12).**

NG → **Replace ignition switch.**

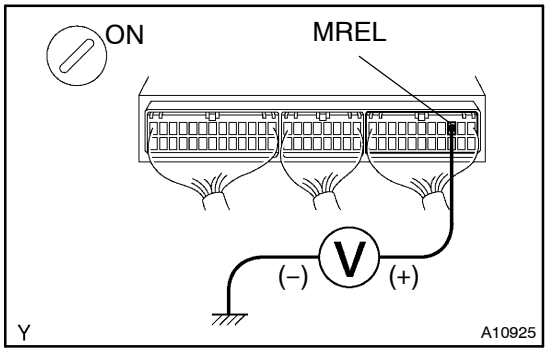
OK

9	**Check for open in harness and connector between ignition switch and engine ECU (See page IN–20).**

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

OK

10	**Check voltage between terminal MREL of engine ECU connector and body ground.**



PREPARATION:

(a) Remove the glove compartment (See page ED–25).

(b) Turn the ignition switch ON.

CHECK:

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

OK:

Voltage: 9 – 14 V

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

NG

Check for open in harness and connector between engine ECU and ECD main relay (Marking: ECD), and ECD main relay and body ground (See page IN–20).