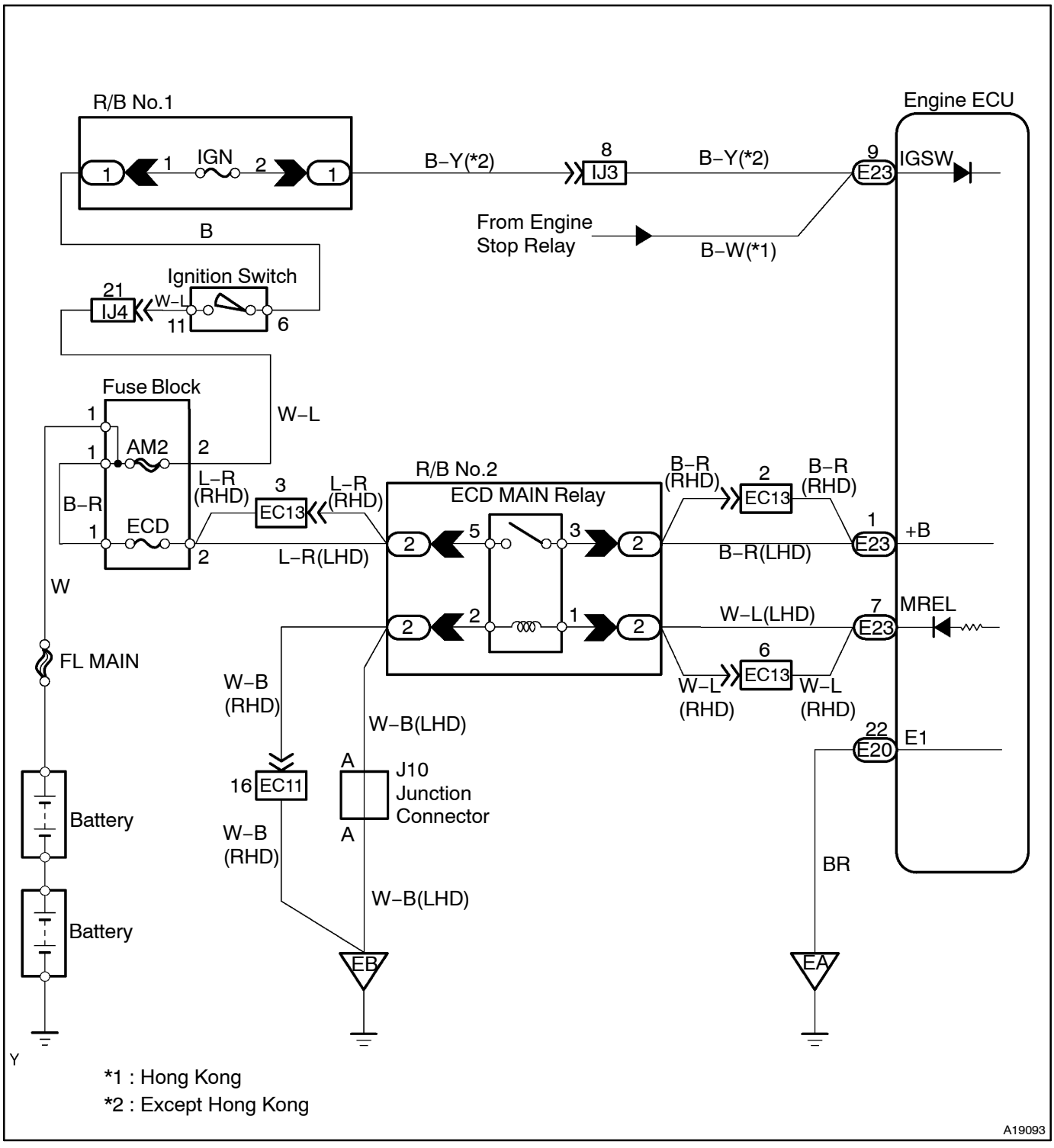
DI9GM–03

ECU Power Source Circuit

CIRCUIT DESCRIPTION

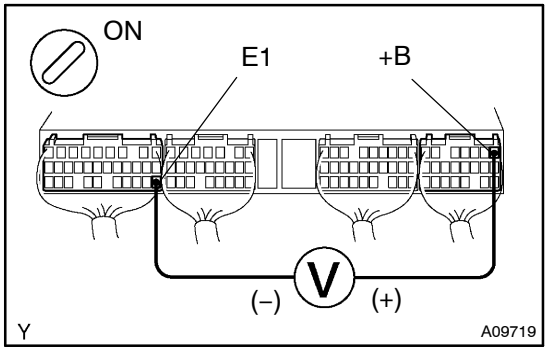
When the ignition switch is turned ON, battery positive voltage is applied to the coil, closing the contacts of the ECD main relay (Marking: ECD MAIN) and supplying power to the terminal +B of the engine ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

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



PREPARATION:

(a) Disconnect the engine ECU from the body bracket (See page ED–30).

(b) Turn the ignition switch ON.

CHECK:

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

OK:

Voltage: 18 – 27 V

OK	**Proceed to next circuit inspection shown on problem symptoms table (See page DI–18).**

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.**

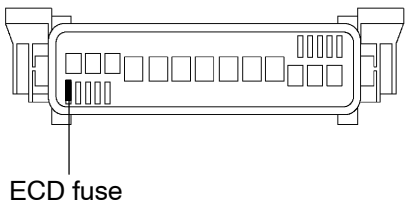
OK

3	**Check ECD main relay (Marking: ECD MAIN) (See page ED–7).**

NG	**Replace ECD main relay.**

OK

4	Check ECD fuse.



PREPARATION:
Remove the ECD fuse.
CHECK:
Check the continuity of the ECD fuse.
OK:
Continuity

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

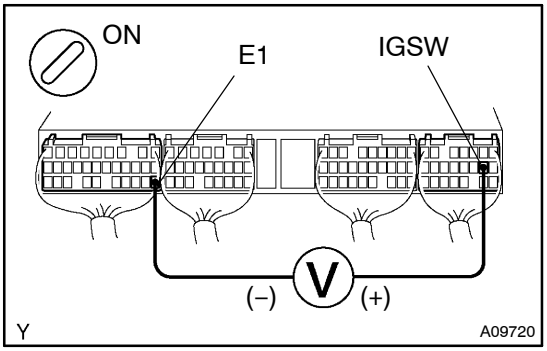
OK

5	Check for open in harness and connector between engine ECU and ECD main relay (Marking: ECD MAIN), 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) Disconnect the engine ECU from the body bracket (See page ED–30).
(b) Turn the ignition switch ON.
CHECK:
Measure the voltage between terminals IGSW and E1 of the engine ECU connectors.
OK:
Voltage: 18 – 27 V

OK	Go to step ****.

NG

7	**Check ignition switch (See Pub. No. RM339E on BE section).**

NG → **Replace ignition switch.**

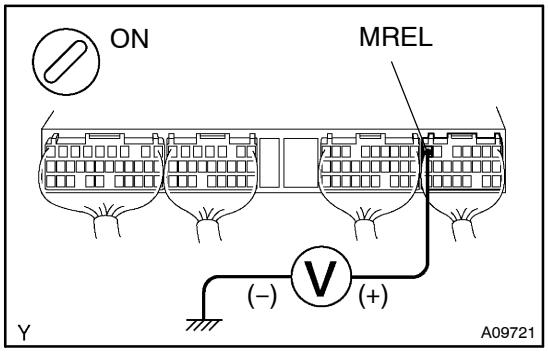
OK

8	**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

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



PREPARATION:

(a) Disconnect the engine ECU from the body bracket (See page ED–30).

(b) Turn the ignition switch ON.

CHECK:

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

OK:

Voltage: 18 – 27 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 MAIN), and ECD main relay and body ground (See page IN–20).