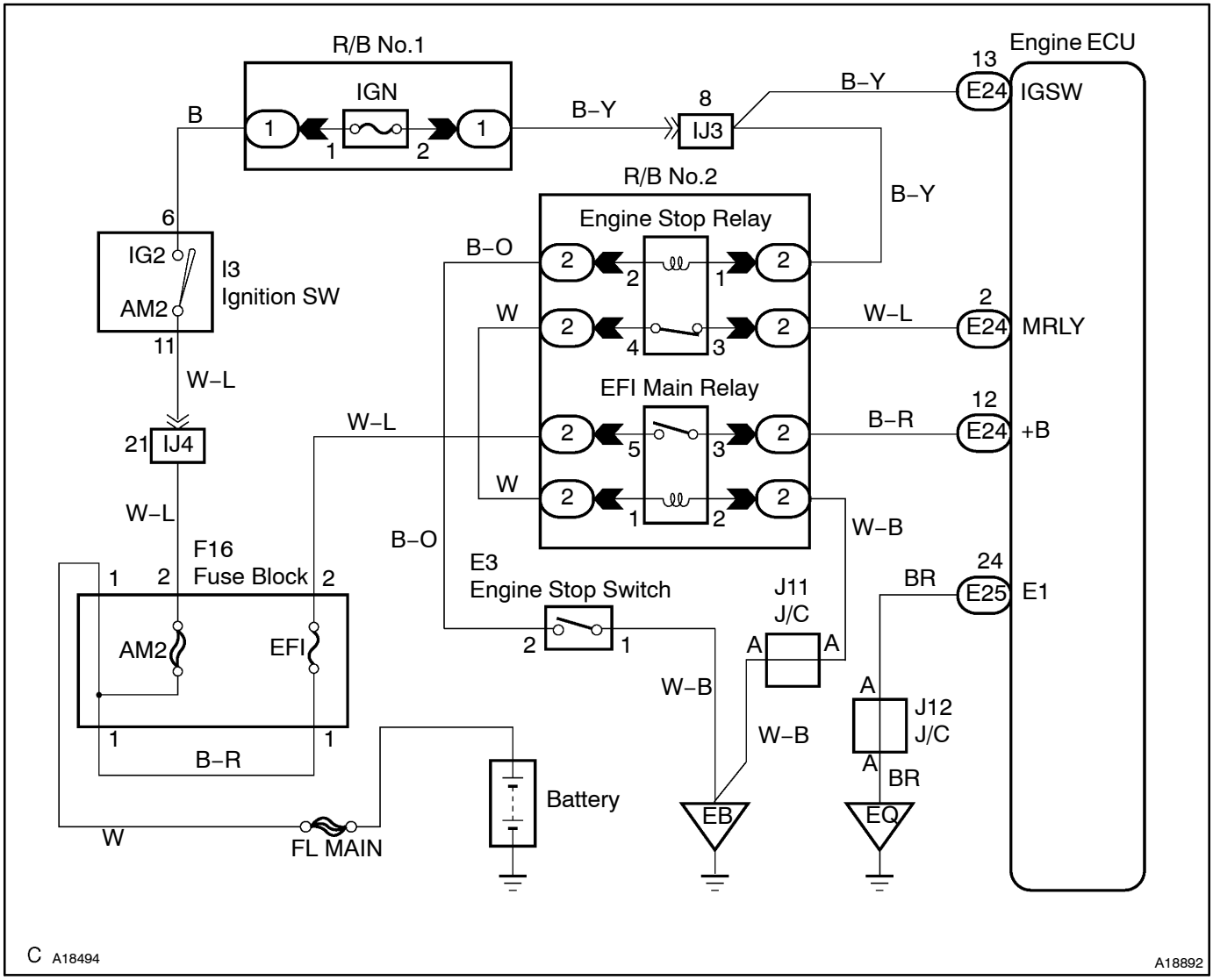
DI9UX–01

Engine ECU Power Source Circuit

CIRCUIT DESCRIPTION

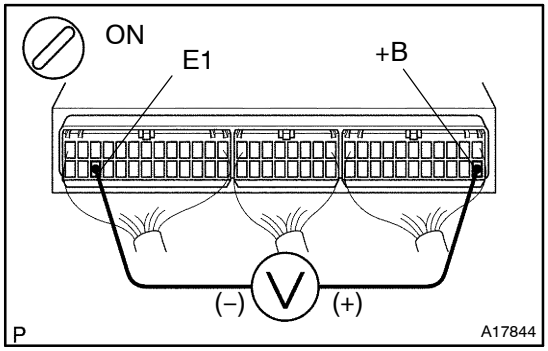
When the ignition switch is turned ON, battery voltage is applied to the coil, closing the contacts of the EFI main relay and supplying power to terminal +B of the engine ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

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



PREPARATION:
(a) Remove the side trim bracket (See page FU–48).
(b) Turn the ignition switch ON.

CHECK:
Measure the voltage between terminals +B 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–18).**

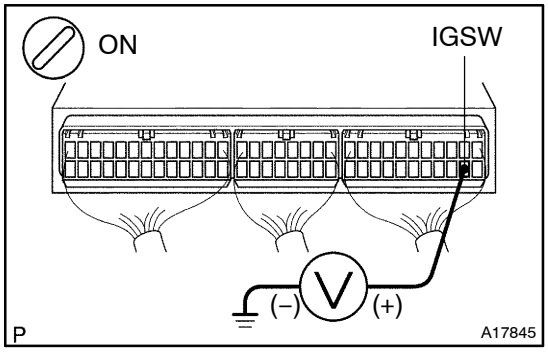
NG

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 voltage between terminal IGSW of engine ECU connector and body ground.**



PREPARATION:
(a) Remove the side trim bracket (See page FU–48).
(b) Turn the ignition switch ON.

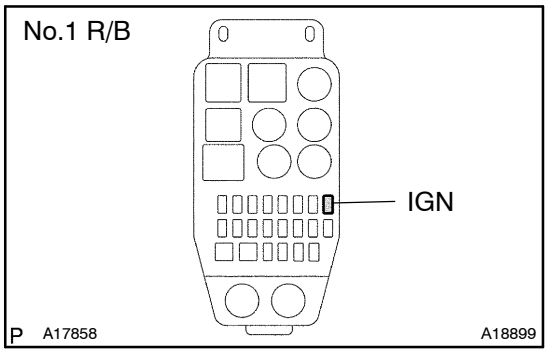
CHECK:
Measure the voltage between terminal IGSW of the engine ECU and body ground.

OK:
Voltage: 9 – 14 V

OK	**Go to step 7.**

NG

4	Check IGN fuse.

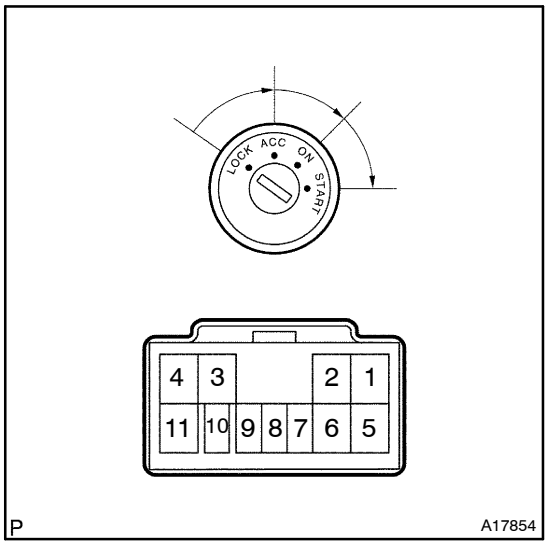


PREPARATION:
Remove the IGN fuse from the R/B No.1.
CHECK:
Check the continuity of the IGN fuse.
OK:
Continuity

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

OK

5	Check ignition switch.



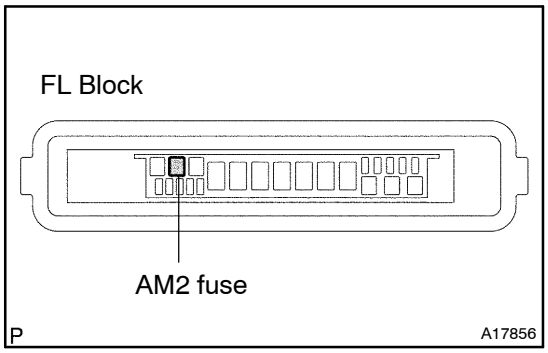
PREPARATION:
(a) Remove the lower No.1 finish panel.
(b) Disconnect the ignition switch connector.
CHECK:
Check the continuity between the terminals shown below.
OK:

Switch Position	Terminal No. to Continuity	
LOCK	–	–
ACC	3 – 4	–
ON	2 – 3 – 4	6 – 11
START	1 – 2 – 4	6 – 11

NG → **Replace ignition switch.**

OK

6	Check AM2 fuse.



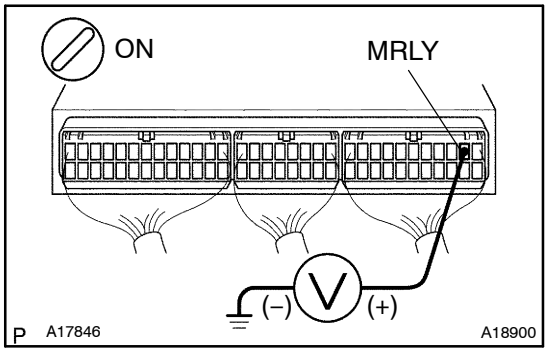
PREPARATION:
Remove the AM2 fuse from the FL block.
CHECK:
Check the continuity of the AM2 fuse.
OK:
Continuity

NG	Check for short in all harness and components connected to AM2 fuse.

OK

Check and repair harness and connector between battery and ignition switch, ignition switch and engine ECU (See page IN–20).

7	Check voltage between terminal MRLY of engine ECU connector and body ground.



PREPARATION:
(a) Remove the side trim bracket (See page FU–48).
(b) Turn the ignition switch ON.
CHECK:
Measure the voltage between terminal MRLY of the engine ECU connector and body ground.
OK:
Voltage: 9 – 14 V

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

NG

8	Check engine stop relay (See page FU–43).

NG	Replace engine stop relay.

OK

9	**Check engine stop switch (See page DI–67).**

NG → **Replace engine stop switch.**

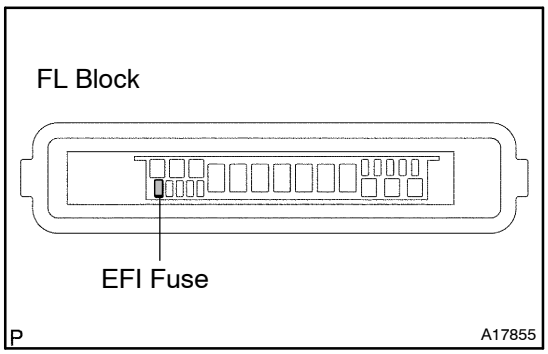
OK

10	**Check EFI main relay (Marking: EFI) (See page FU–41).**

NG → **Replace EFI main relay.**

OK

11	**Check EFI fuse.**



PREPARATION:
Remove the EFI fuse from the J/B NO. 2.
CHECK:
Check the continuity of the EFI fuse.
OK:
Continuity

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

OK

Check and repair harness and connector (See page IN–20).