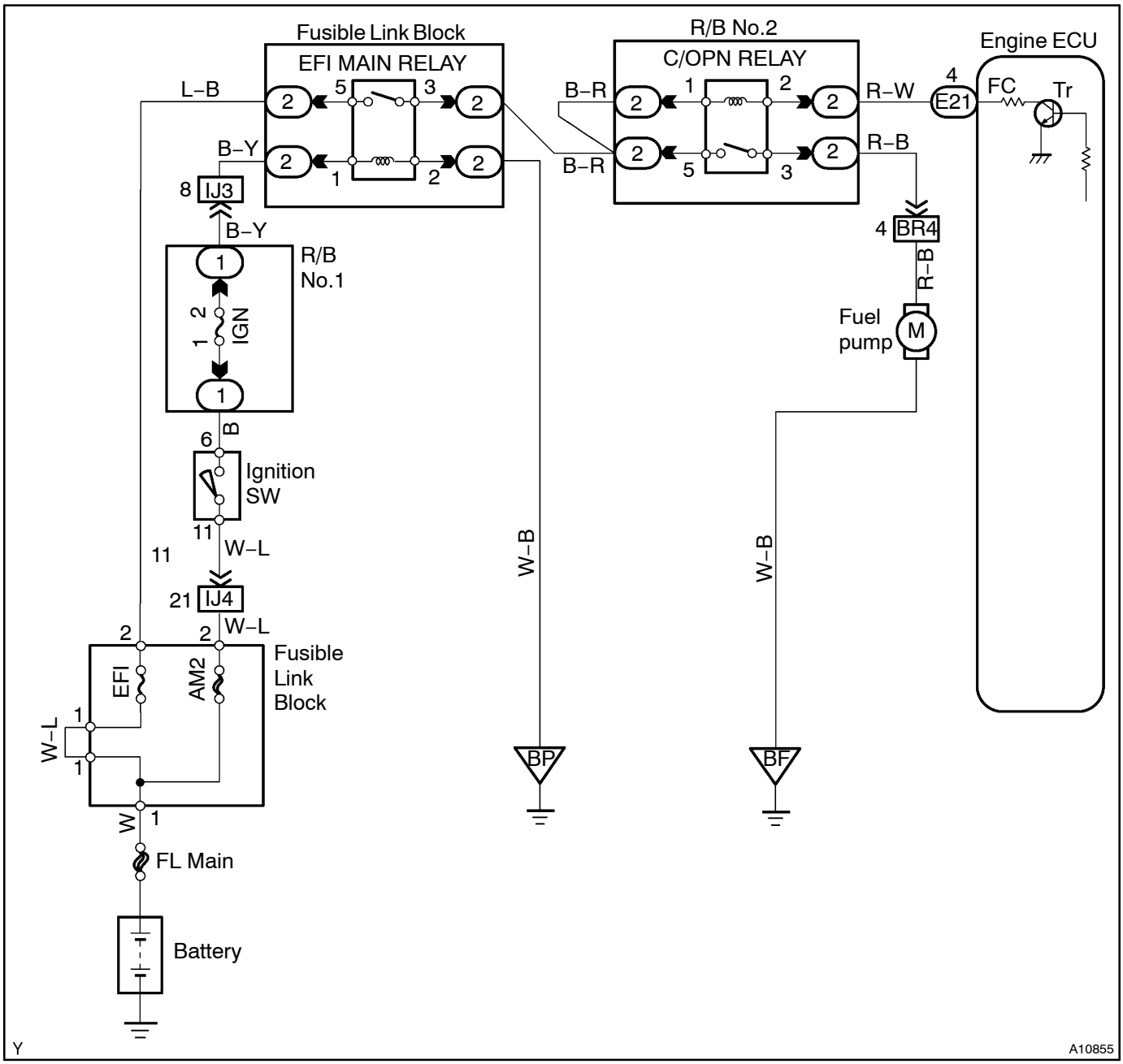
DI6JL–01

Fuel Pump Control Circuit

CIRCUIT DESCRIPTION

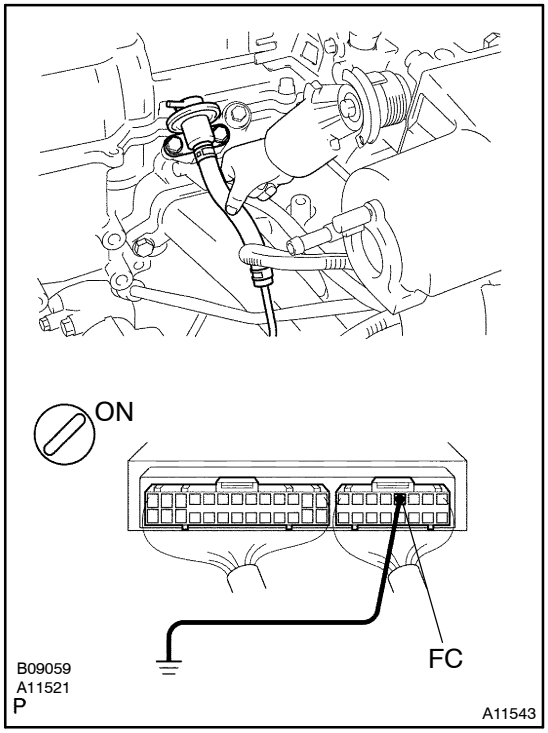
In the diagram below, when the engine is cranked, current flows from terminal ST of the ignition switch to the starter relay coil and also current flows to terminal STA of engine ECU (STA signal).
When the STA signal and NE signal are input to the engine ECU, Tr is turned ON, current flows to coil of the circuit opening relay, the relay switches on, power is supplied to the fuel pump and the fuel pump operates. While the NE signal is generated (engine running), the engine ECU keeps Tr ON (circuit opening relay ON) and the fuel pump also keeps operating.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check fuel pump operation.**



PREPARATION:

(a) Disconnect the engine ECU from the body bracket (See page FI–36).

(b) Turn the ignition switch ON.

CHECK:

(a) Connect between terminal FC of the engine ECU connector and body ground.

(b) Check for fuel pressure in the fuel return hose when it is pinched off.

OK:

There is pressure in the fuel return hose.

HINT:

At this time, you will hear a fuel flowing noise.

OK	**Proceed to next circuit inspection shown on problem symptoms table (See page DI–15).**

NG

2	**Check for engine ECU power source circuit (See page DI–48).**

NG	**Repair or replace.**

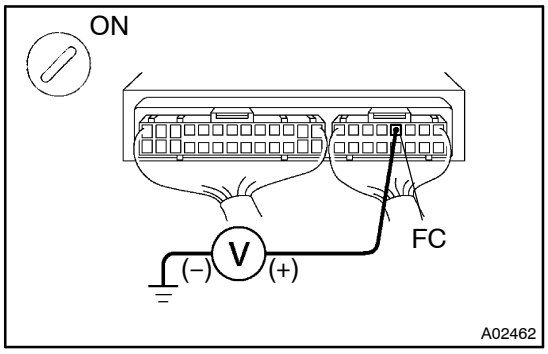
OK

3	**Check circuit opening relay (Marking: C/OPN) (See page FI–31).**

NG	**Replace circuit opening relay.**

OK

4	**Check voltage between terminal FC of engine ECU connector and body ground.**



PREPARATION:

(a) Disconnect the engine ECU from the body bracket (See page FI–36).

(b) Turn the ignition switch ON.

CHECK:

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

OK:

Voltage: 9 – 14 V

OK	**Go to step 5.**

NG

Check for open in harness and connector between EFI main relay (Marking: EFI) and circuit opening relay (Marking: C/OPN), and circuit opening relay and engine ECU.

5	**Check fuel pump (See page FI–5).**

NG	**Repair or replace fuel pump.**

OK

6	**Check for open in harness and connector between circuit opening relay (Marking: C/OPN) and fuel pump, and fuel pump and body ground (See page IN–19).**

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

OK

Check and replace engine ECU (See page IN–19).