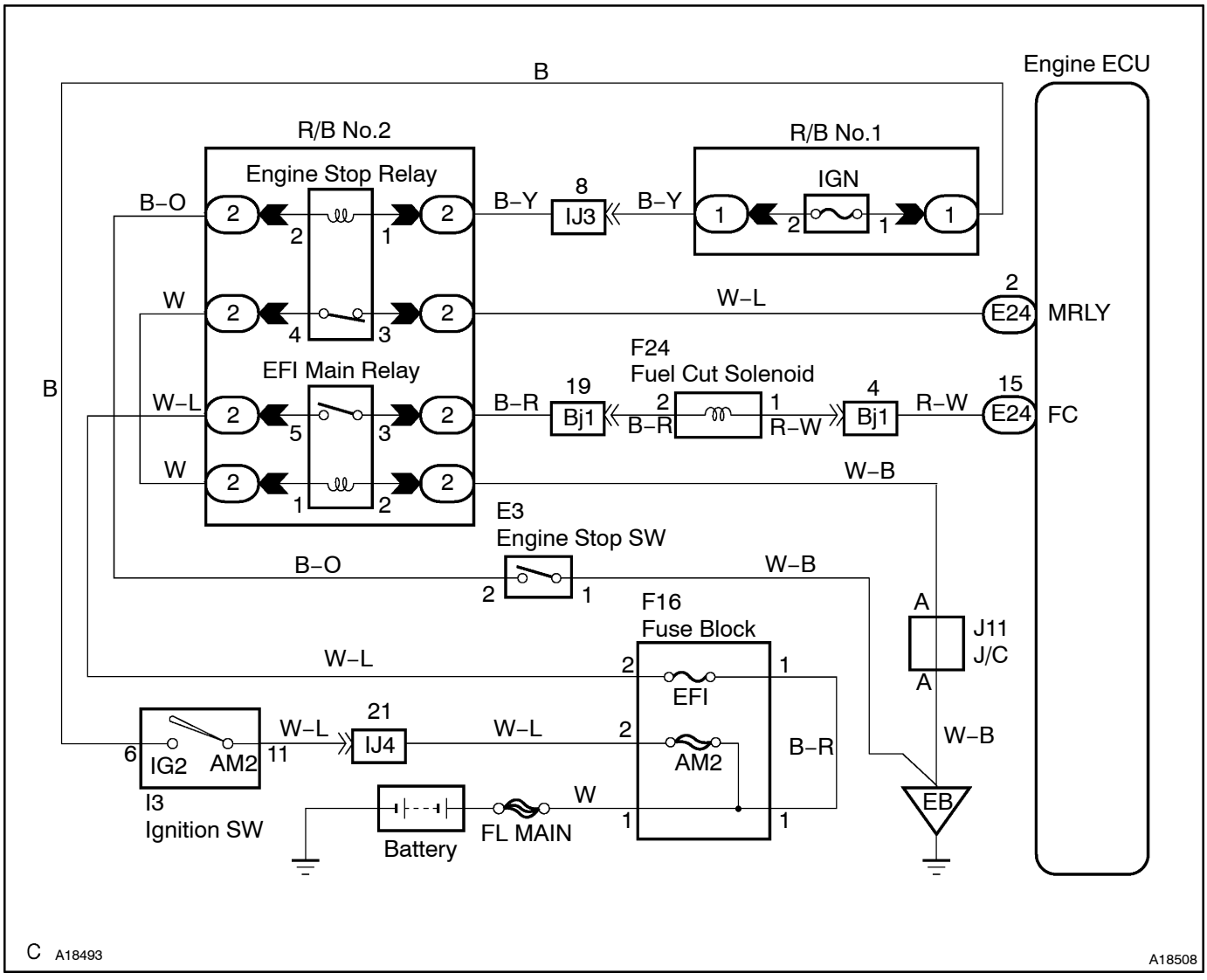
DI7GW–02

Fuel Cut Solenoid Circuit

CIRCUIT DESCRIPTION

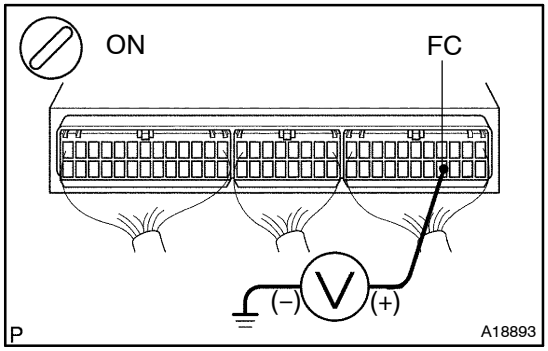
- FUEL CUT CONTROL AT THE TIME OF DECELERATION
  The catalytic converter temperature control and fuel ratio have been improved by stopping the computer signal to the fuel cut solenoid valve and cutting off slow fuel when decelerating with the engine speed at more than fuel cut off speed.
  The computer signal to the solenoid valve is resumed with the engine speed at less than fuel return speed or the idling contact point OFF.
  When the engine coolant temperature is low, fuel cut off speed and fuel return speed increase.
- AIR FUEL RATIO CONTROL AT THE START OF OPERATION
  In order to prevent air fuel ratio from becoming too rich at the start of operation, duty ratio control operates when the starter signal is input into the computer.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check voltage between terminal FC 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 voltage between terminal FC of the engine ECU and body ground.

OK:

Voltage: 9 – 14 V

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

NG

2	**Check fuel cut solenoid valve.**

NG	**Replace fuel cut solenoid valve.**

OK

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

NG	**Replace EFI main relay.**

OK

4	**Check EFI fuel (See page DI–67).**

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

OK

5	Check engine stop switch (See page DI–83).

NG → Repair engine stop switch.

OK

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

NG → Repair engine stop relay.

OK

7	Check IGN fuse (See page DI–67).

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

OK

8	Check ignition switch (See page DI–67).

NG → Replace ignition switch.

OK

9	Check AM2 fuse (See page DI–67).

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

OK

10	**Check for open and short in harness and connector fuel cut solenoid valve circuit (See page IN–20)**

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

OK

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