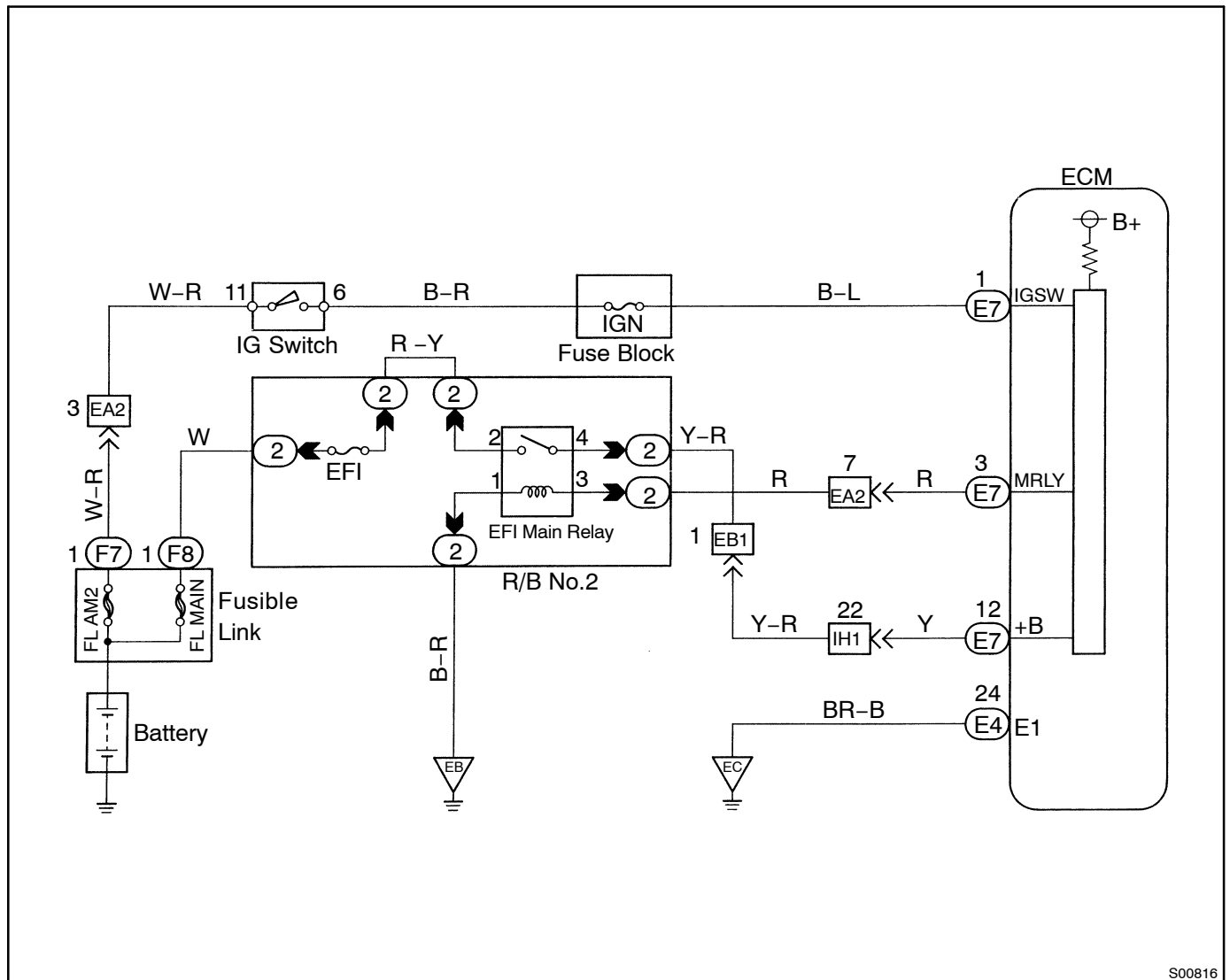


ECM Power Source Circuit

CIRCUIT DESCRIPTION

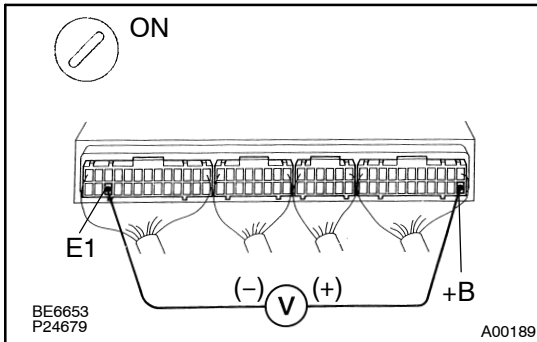
When the ignition switch is turned ON, battery positive voltage is applied to the coil, closing the contacts of the EFI main relay (Marking: EFI) and supplying power to the terminals +B of the ECM.

WIRING DIAGRAM



S00816

INSPECTION PROCEDURE

1 Check voltage between terminals +B and E1 of the ECM connector.
**PREPARATION:**

- (a) Remove instrument panel speaker No.1 panel (See page [SF-64](#)).
- (b) Turn ignition switch ON.

CHECK:

Measure voltage between terminals +B and E1 of the ECM connector.

OK:

Voltage: 9 – 14 V

OK

Proceed to next circuit inspection shown on matrix chart (See page [DI-19](#)).

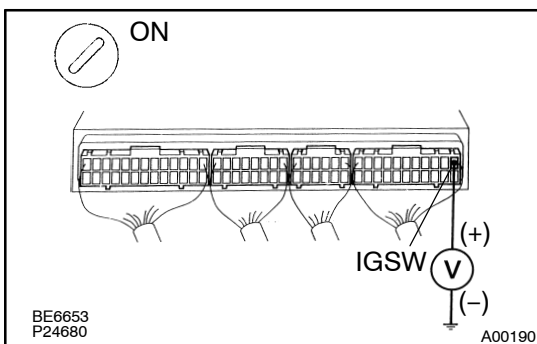
NG

2 Check for open in harness and connector between terminal E1 of ECM connector and body ground (See page [IN-27](#)).

NG

Repair or replace harness or connector.

OK

3 Check voltage between terminal IGSW of ECM connector and body ground.
**PREPARATION:**

- (a) Remove instrument panel speaker No.1 panel (See page [SF-64](#)).
- (b) Turn ignition switch ON.

CHECK:

Measure voltage between terminals IGSW of ECM and body ground.

OK:

Voltage: 9 – 14 V

OK

Go to step 6.

NG

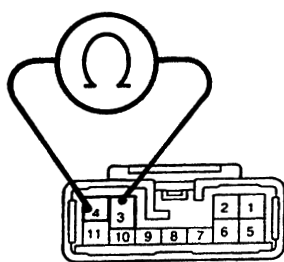
4 Check IGN fuse from fuse block.

NG

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

OK

5 Check ignition switch.



P24681

PREPARATION:

- (a) Remove instrument lower finish panel.
- (b) Remove instrument cluster finish center panel No.2.

CHECK:

Check continuity between terminals.

OK:

Shift Position	Terminal No. to continuity	Terminal No. to continuity
LOCK	–	–
ACC	3 – 4	–
ON	2 – 3 – 4	6 – 11
START	1 – 2 – 4	5 – 6 – 11

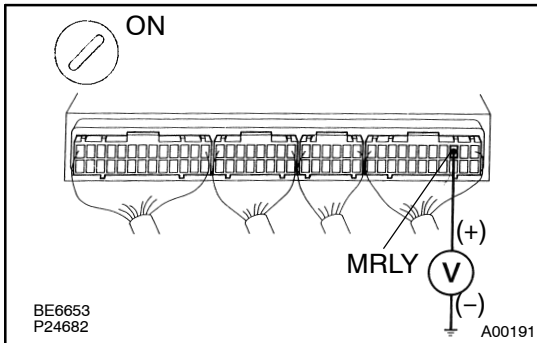
NG

Replace ignition switch.

OK

Check for open and short in harness and connector between battery and ignition switch and ECM.

6 Check voltage between terminal MREL of ECM connector and body ground.



PREPARATION:

- (a) Remove instrument panel speaker No.1 panel (See page [SF-64](#)).
- (b) Turn ignition switch ON.

CHECK:

Measure voltage between terminal MREL of ECM and body ground.

OK:

Voltage: 9 – 14 V

NG

Check and replace ECM.

OK

7 Check EFI fuse (Marking: EFI) (See page [DI-106](#)).

NG

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

OK

8 Check EFI main relay (Marking: EFI) (See page [SF-53](#)).

NG

Replace EFI main relay (Marking: EFI).

OK

9	Check for open and short in harness and connector between terminal MREL of ECM connector and body ground (See page IN-27).
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NG

Repair or replace harness or connector.

OK

Check for open and short in harness and connector between terminal +B of ECM connector and battery (See page [IN-27](#)).