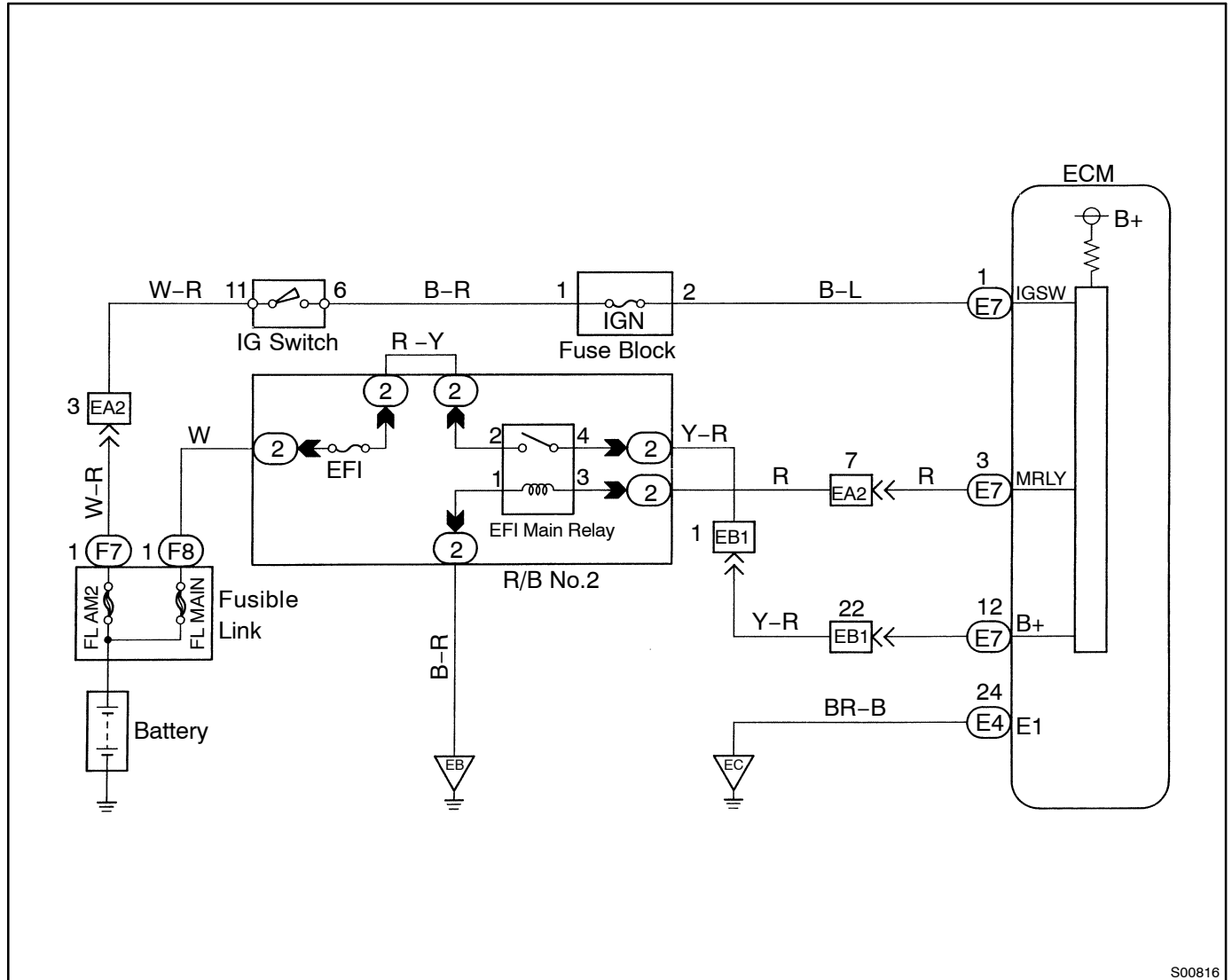


ECM Power Source Circuit

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 terminal +B of the ECM.

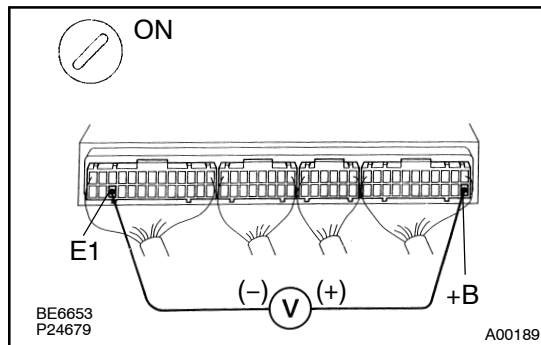
WIRING DIAGRAM



S00816

INSPECTION PROCEDURE

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

- (a) Remove the instrument panel speaker No.1 panel (See page [SF-63](#)).
- (b) Turn the ignition switch ON.

CHECK:

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

OK:

Voltage: 9 – 14 V

OK

Proceed to next circuit inspection shown on Problem symptoms table (See page [DI-2](#)).

NG

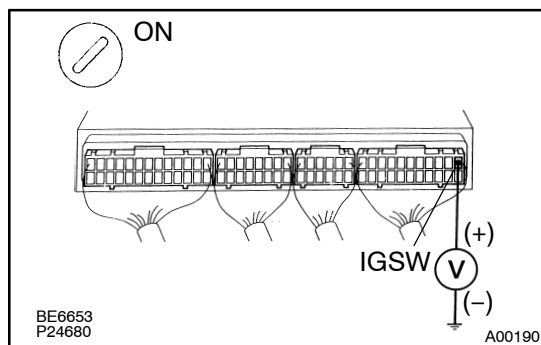
2	Check for open in harness and connector between terminal E1 of ECM connector and body ground (See page IN-27).
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NG

Repair or replace harness or connector.

OK

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

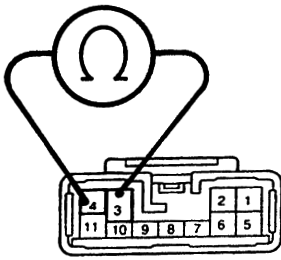
- (a) Remove instrument panel speaker No.1 panel (See page [SF-63](#)).
- (b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals IGSW of ECM and body ground.

OK:

Voltage: 9 – 14 V

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.****PREPARATION:**

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

CHECK:

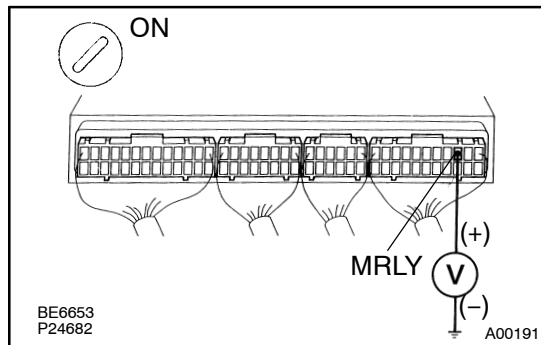
Check continuity between terminals.

OK:

Shift Position	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, 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-63](#)).
- (b) Turn the ignition switch ON.

CHECK:

Measure the 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).****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-50](#)).****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](#)).