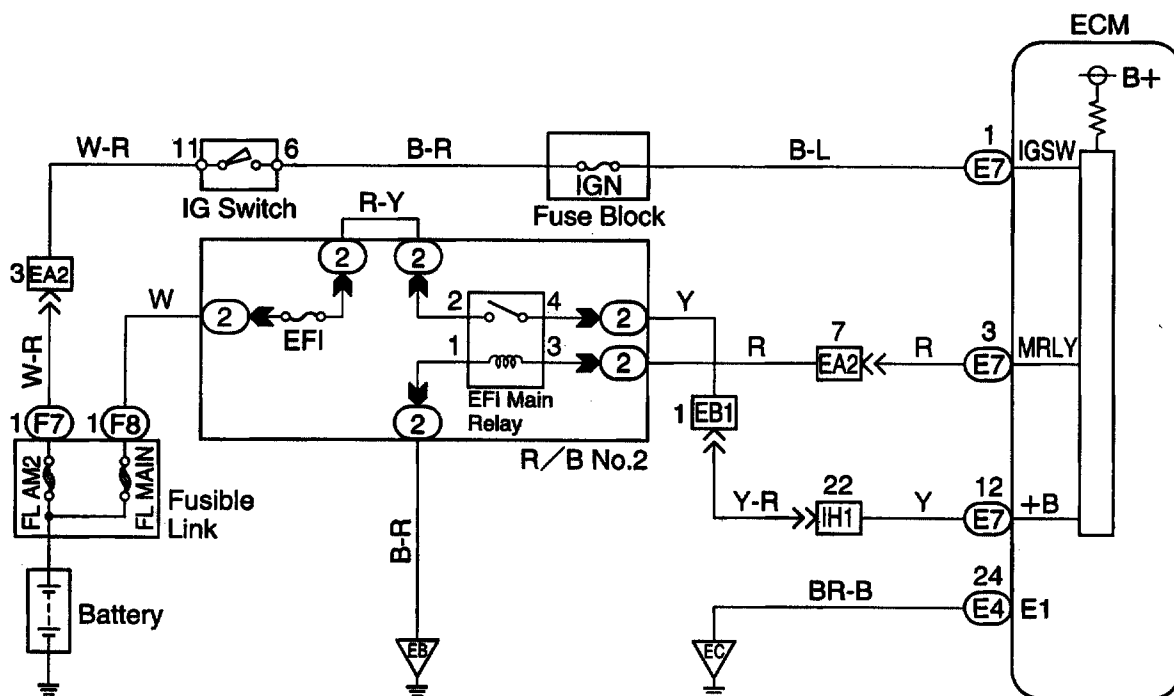


## ECM Power Source Circuit

### 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 and supplying power to the terminals +B of the ECM.

### WIRING DIAGRAM

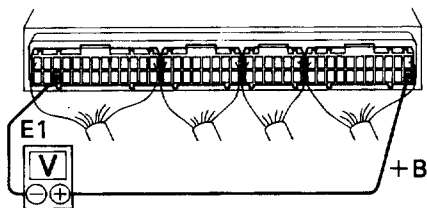


P22479

### INSPECTION PROCEDURE

1

Check voltage between terminals +B and E1 of ECM connector.

BE6653  
P22176

NG

- P** (1) Remove instrument panel speaker No. 1 panel (See page EG-173).  
(2) Turn ignition switch ON.

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

**OK** Voltage: 9 ~ 14 V

OK

Proceed to next circuit inspection shown on matrix chart (See page EG-243).

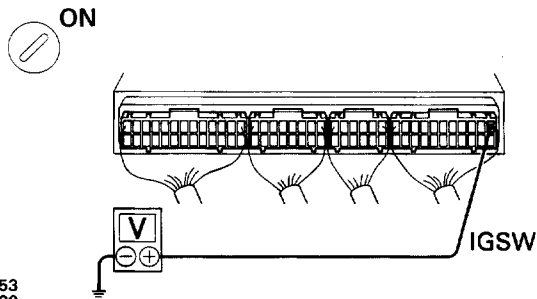
- 2** Check for open in harness and connector between terminal E1 of ECM connector and body ground (See page [IN-26](#)).

OK

NG

Repair or replace harness or connector.

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



- P** (1) Remove instrument panel speaker No. 1 panel (See page [EG-173](#)).  
(2) Turn ignition switch ON.

- C** Measure voltage between terminal IGSW of ECM and body ground.

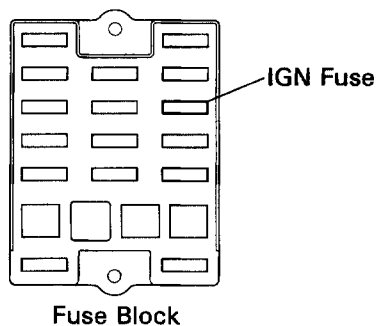
**OK** Voltage: 9 ~ 14 V

NG

OK

Go to step **6** .

- 4** Check IGN fuse.



- P** Remove IGN fuse from fuse block.

- C** Check continuity of IGN fuse.

**OK** Continuity

P22345

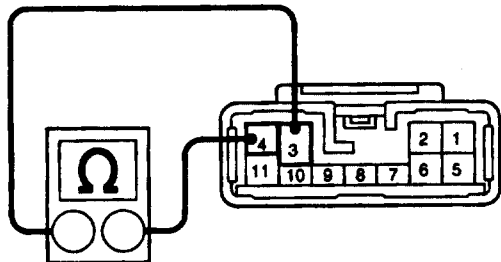
OK

NG

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

## 5 Check ignition switch.

- P** (1) Remove instrument lower finish panel.  
(2) Remove instrument cluster finish center panel No.2.



- C** Check continuity between terminals.

**OK**

○—○ Continuity

Terminal Switch Position	1	2	3	4	5	6	11
LOCK							
ACC			○—○				
ON		○—○	○—○	○—○		○—○	○—○
START	○—○	○—○		○—○	○—○	○—○	○—○

P22542

**OK**

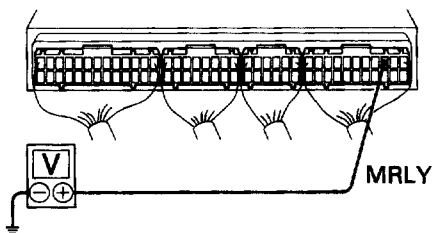
**NG**

Replace ignition switch.

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.

ON



- P** (1) Remove instrument panel speaker No. 1 panel (See page EG-173).  
(2) Turn ignition switch ON.

- C** Measure voltage between terminal MREL of ECM and body ground.

**OK** Voltage: 9 ~ 14 V

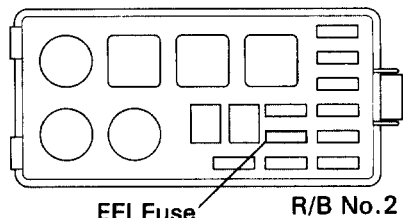
BE6653  
P22510

**OK**

**NG**

Check and replace ECM.

## 7 Check FEI fuse.



P22346

OK

**P** Remove EFI fuse from R/B No. 2.

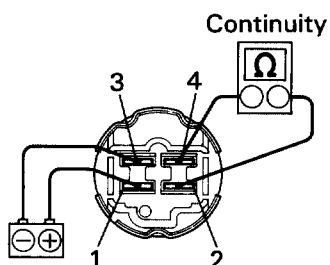
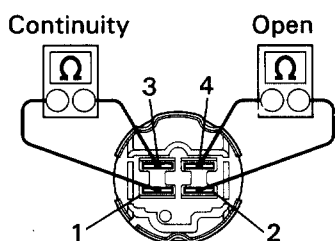
**C** Check continuity of EFI fuse.

**OK** Continuity

NG

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

## 8 Check EFI main relay.

P22906  
P22907

OK

**P** Remove EFI main relay from R/B No. 2.

**C** Check continuity between terminals of EFI main relay shown below.

OK

Terminals 2 and 4	Open
Terminals 1 and 3	Continuity (Reference value 72 $\square$ )

- C** (1) Apply battery positive voltage between terminals 1 and 3.  
(2) Check continuity between terminals 2 and 4.

OK

Terminals 2 and 4	Continuity
-------------------	------------

NG

Replace EFI main relay.

## 9 Check for open and short in harness and connector between terminal MREL of ECM connector and body ground (See page IN-26).

OK

NG

Repair or replace harness or connector.

Check for open and short in harness and connector between terminal +B of ECM connector and battery (See page IN-26).