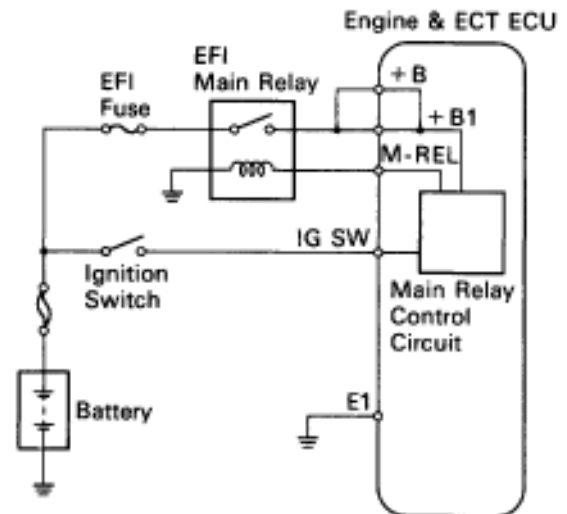


ECU Power Source Circuit

CIRCUIT DESCRIPTION

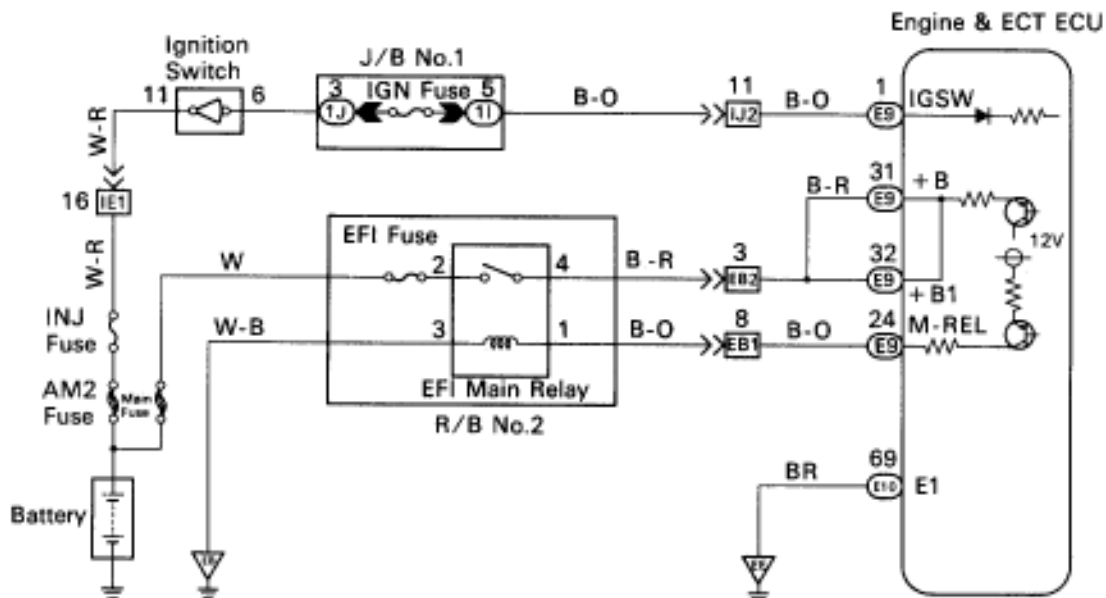
When the ignition switch is turned on, battery voltage is applied to the terminal IG SW of the ECU, and the main relay control circuit in the ECU sends a signal to the terminal M-REL of the ECU, switching on the main relay. This signal causes current to flow to the coil, closing the contacts of the main relay and supplying power to the terminals +B and +B1 of the ECU. If the ignition switch is turned off, the ECU continues to switch on the main relay for a maximum of 2 seconds for the initial setting of the ISC valve.

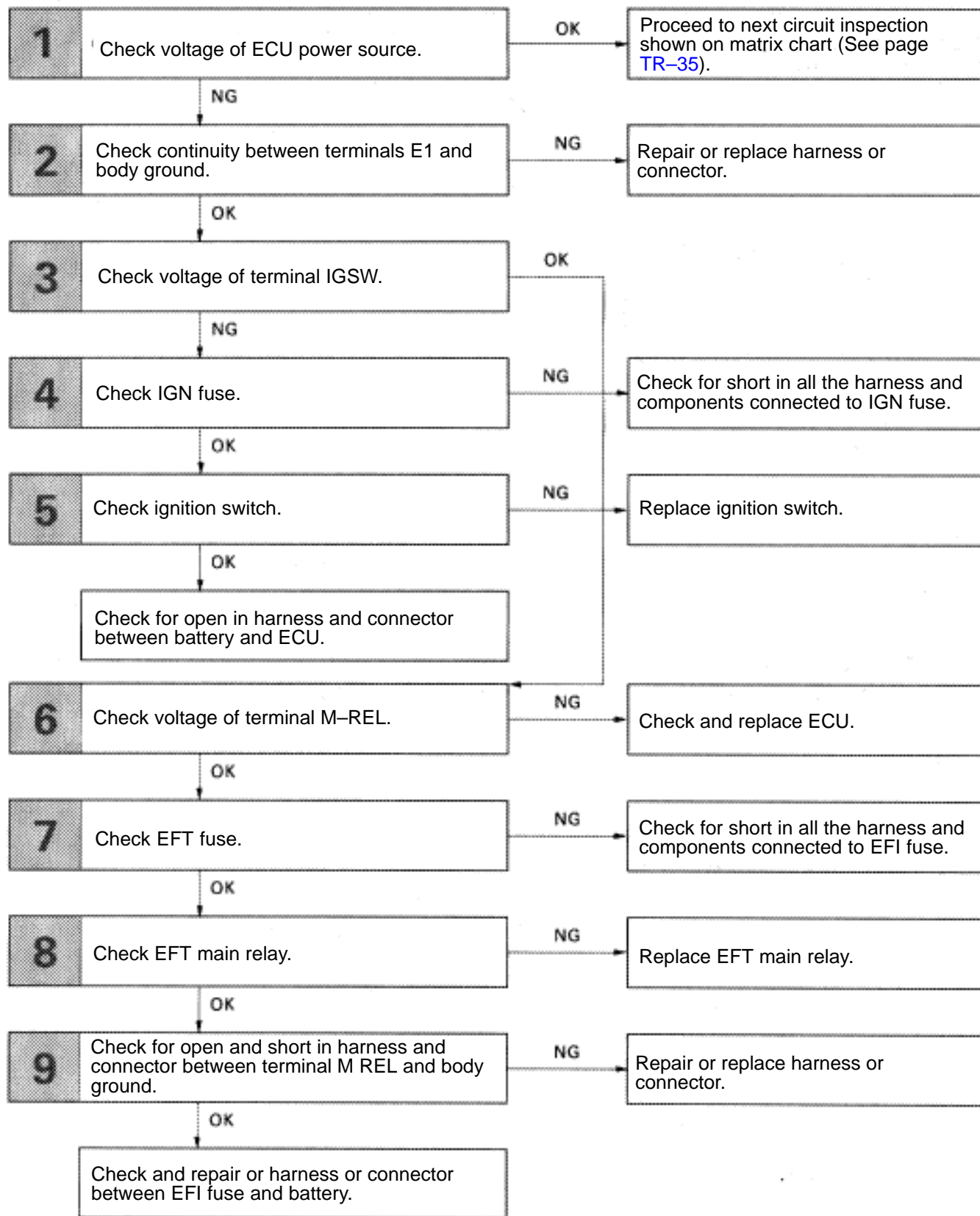


DIAGNOSTIC CHART

See next page for the DIAGNOSTIC CHART.

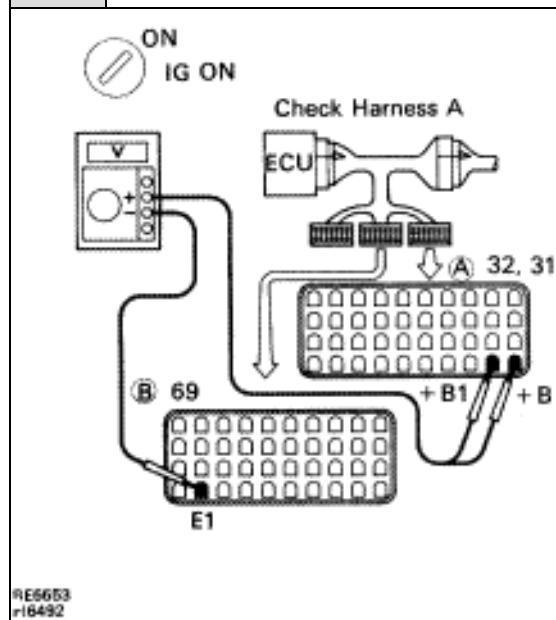
WIRING DIAGRAM



DIAGNOSTIC CHART

INSPECTION PROCEDURE

1 Check voltage between terminals + B, + B1 and E1 of engine & ECT ECU connector.



P (2) Connect the Check Harness A.
(See page [TR-30](#))

(2) Turn ignition switch on.

C Measure voltage between terminals + B, + B1 and E1 of engine & ECT ECU connector.

OK Voltage: 10 – 14 V

NG

OK

Proceed to next circuit inspection shown on matrix chart

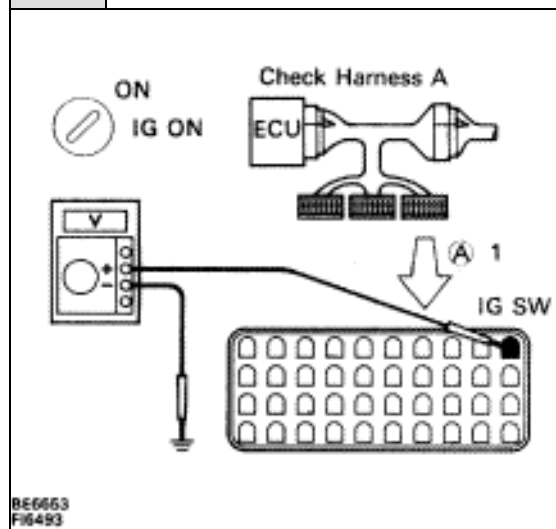
2 Check for open in harness and connector between terminals E1 of engine & ECT ECU and body ground (See page [IN-27](#)).

OK

NG

Repair or replace harness or connector.

3 Check voltage between terminal IG SW of engine & ECT ECU connector and body ground.



P Turn ignition switch on.

C Measure voltage between terminal IG SW of engine & ECT ECU connector and body ground.

OK Voltage: 10 – 14 V

NG

OK

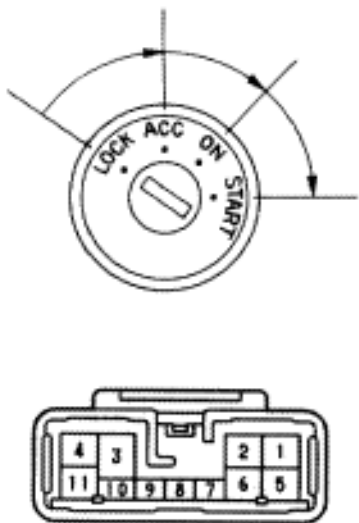
Go to step 6.

4 Check IGN Fuse.

BE6624

P Remove IGN fuse from J/B No.1.**C** Check continuity of IGN fuse.**OK** Continuity.**OK****NG**

Check for short in all the harness and components connected to IGN fuse (See attached wiring diagram).

5 Check ignition switch.BE3582
eq-11-2**P** Remove under cover and finish panel.**C** Check continuity between terminals.**OK**

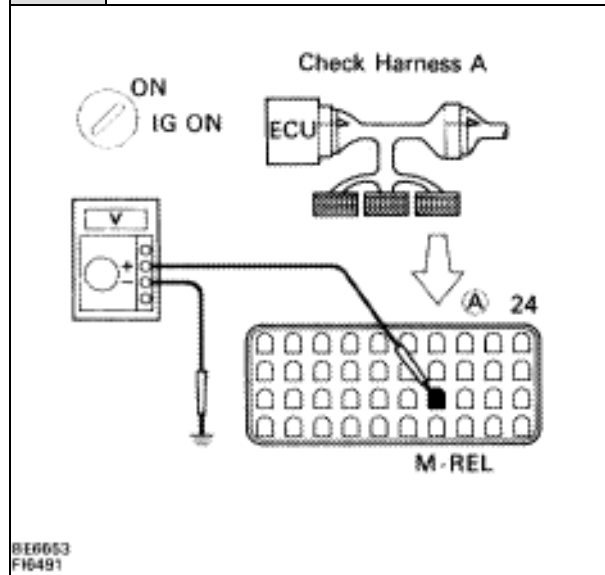
○—○ continuity

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

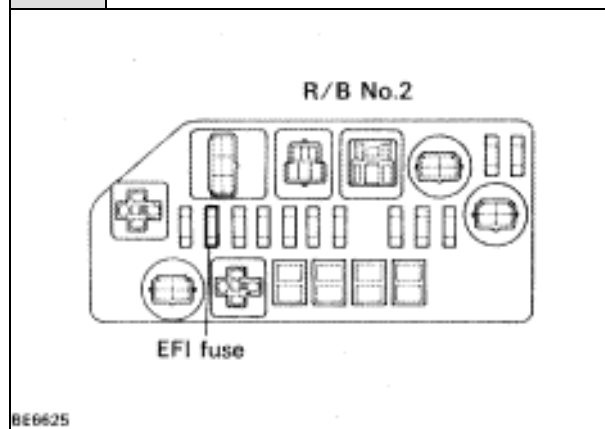
OK**NG**

Replace ignition switch.

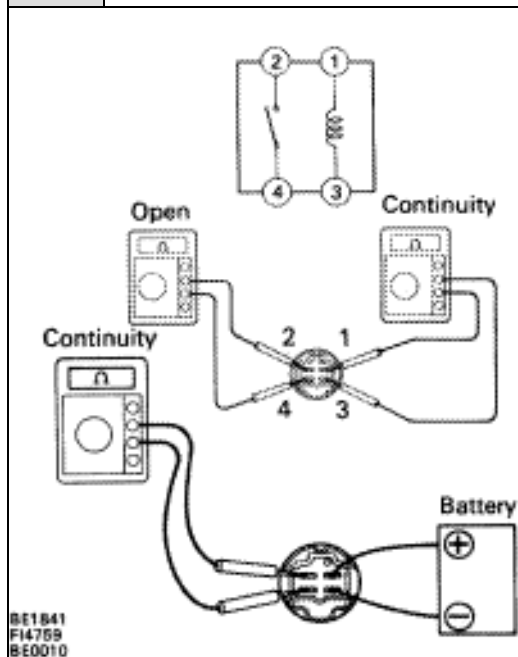
Check and repair harness and connector between battery and ignition switch, ignition switch and engine & ECT ECU.

6 Check voltage between terminal M-REL of engine & ECT ECU connector and body ground.**P** Turn ignition switch on.**C** Measure voltage between terminal M-REL of engine & ECT ECU connection and body ground.**OK** Voltage: 10 – 14 V**OK****NG**

Check and replace engine & ECT ECU.

7 Check EFI**P** Remove EFI fuse R/B No.2.**C** Check continuity of EFI fuse.**OK** Continuity**OK****NG**

Rep

8 Check EFI main relay.**P** Remove EFI main relay.**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 Ω)

C (2) Apply battery voltage between terminals 1 and 3.

(2) Check continuity between terminals 2 and 4.

OK

Terminals 2 and 4	Continuity
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OK**NG**

Replace EFI main relay.

9 Check for open and short in harness and connector between terminal M-REL of engine & ECT ECU and body ground (See page [IN-27](#)).**OK****NG**

Repair or replace harness or connector.

Check and repair harness or connector between EFI fuse and battery.