

Diag. Code 41**IG Power Source Circuit****— CIRCUIT DESCRIPTION —**

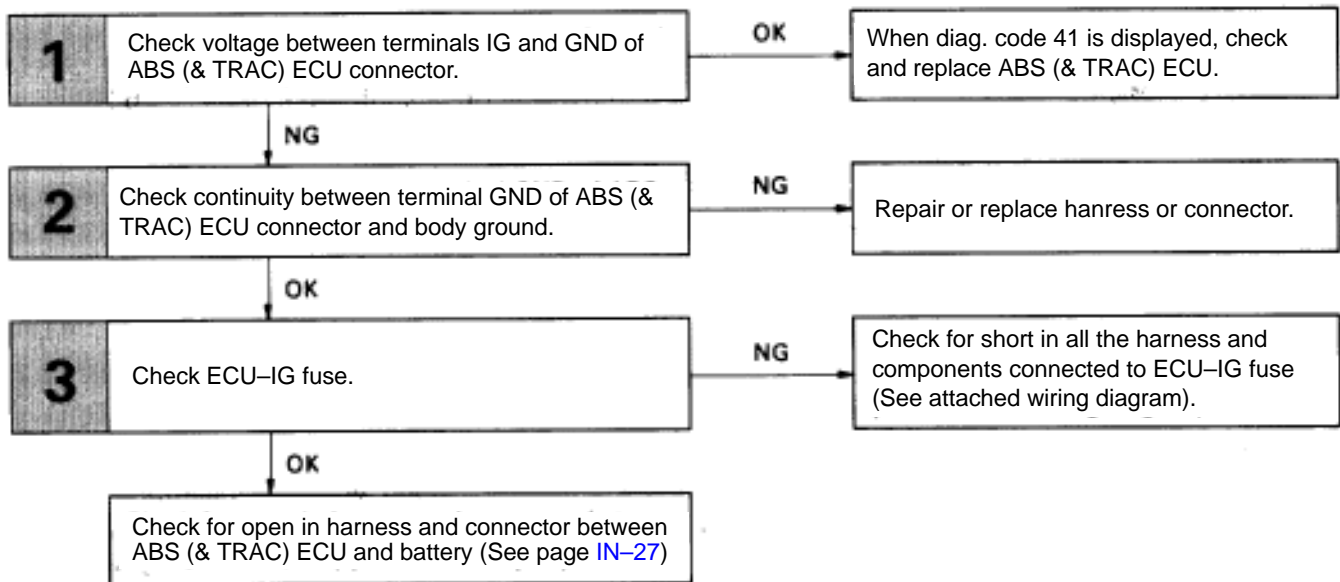
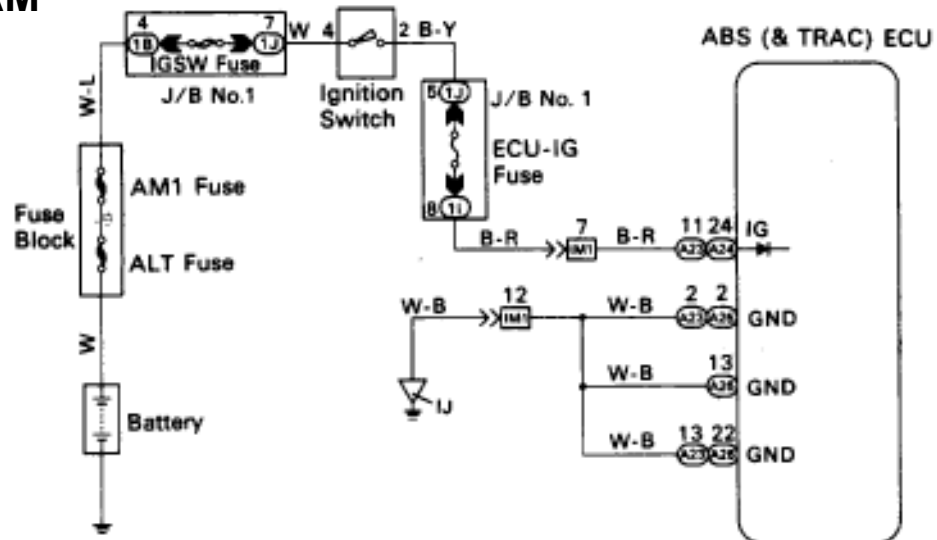
This is the power source for the ECU and becomes the power source for the CPU and actuators.

Code No.	Diagnostic Code Detecting Condition	Trouble Area
41	Vehicle speed is 3 km/h (1.9 mph) or more and voltage of ECU terminal IG remains at more than 17V or below 9.5V for more than 10 sec.	<ul style="list-style-type: none"> •Battery •IC regulator •Open or short in power source circuit •ECU

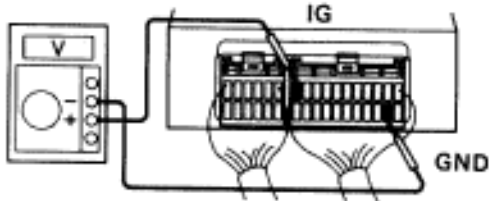
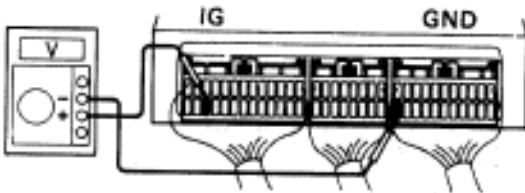
Fail safe function: If trouble occurs in the power source circuit, the ECU cuts off current to the ABS solenoid relay and prohibits ABS control.

— DIAGNOSTIC CHART —

First check battery voltage. If the voltage is not between 10V and 14V, check and repair the charging system.

**WIRING DIAGRAM**

INSPECTION PROCEDURE

1**Check voltage between terminals IG and GND of ABS (& TRAC) ECU connector****ABS ECU**BE6653
BR5464**ABS & TRAC ECU**BE6653
BR5445

P Remove ABS (& TRAC) ECU with connectors still connected.

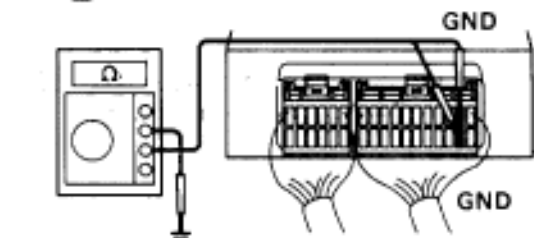
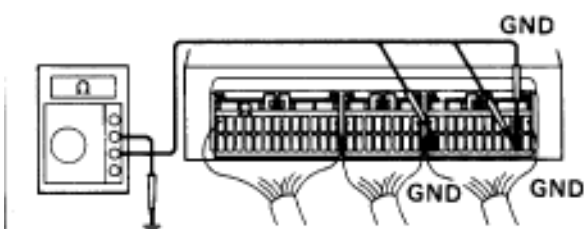
- C**
1. Turn ignition switch on.
 2. Measure voltage between terminals IG and GND of ABS (& TRAC) ECU connector.

OK **Voltage: 10 – 14V**

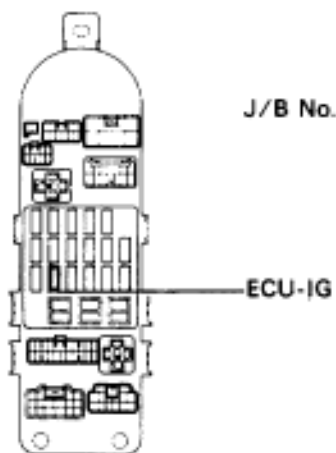
NG**OK**

When diag. code 41 is displayed, check and replace ABS (& TRAC) ECU.

Go to step 2.

2**Check continuity between terminal GND of ABS (& TRAC) ECU connector and body ground.****ABS ECU**OFF  IG OFFBE6653
BR5463**ABS & TRAC ECU**OFF  IG OFFBE6653
BR5446**I** Measure resistance between terminal GND of ABS (& TRAC) ECU connector and body ground.**OK** Resistance: 1Ω or less**OK****NG**

Repair or replace harness or connector.

3**Check ECU-IG fuse.**

BE6624

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

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

Check for open in harness and connector between ABS (& TRAC) ECU and battery (See page [IN-27](#)).