

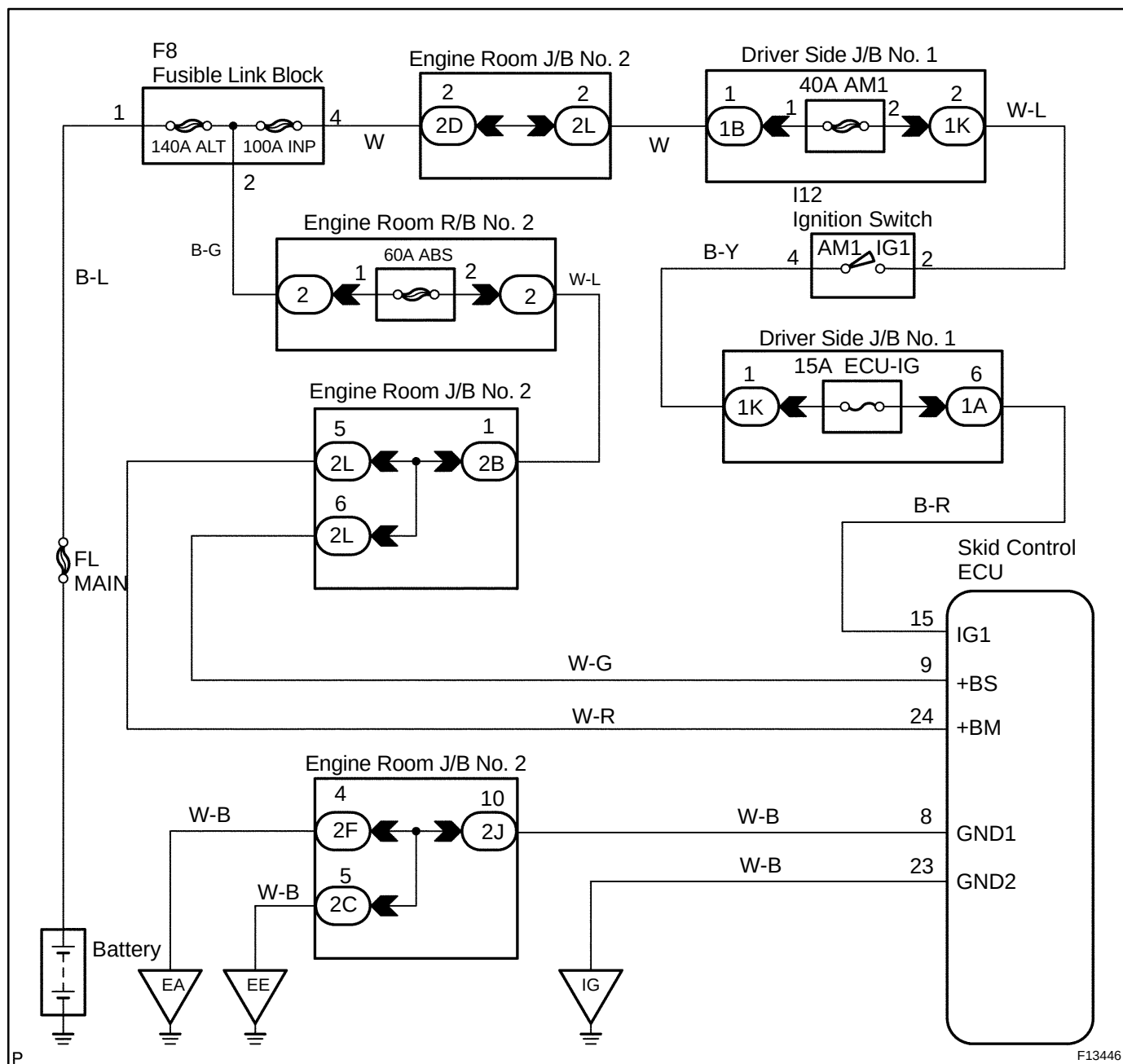
|            |           |                                |
|------------|-----------|--------------------------------|
| <b>DTC</b> | <b>41</b> | <b>IG Power Source Circuit</b> |
|------------|-----------|--------------------------------|

# CIRCUIT DESCRIPTION

This is the power source for the ECU, hence for the CPU, and actuator.

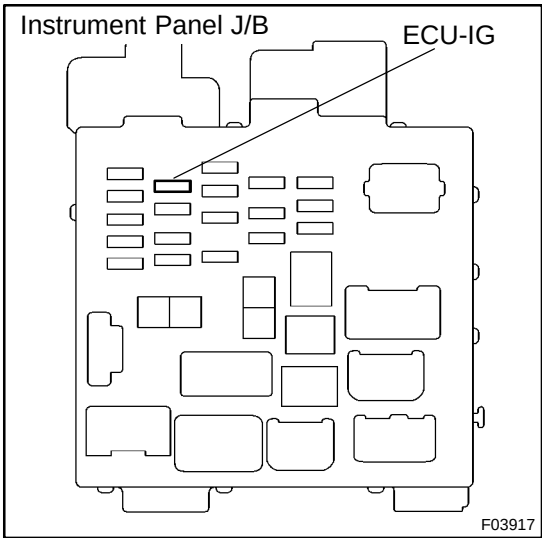
| DTC No. | DTC Detecting Condition                                                                                                                                                                                                                                                                                                                                                                                                                                | Trouble Area                                                                                                           |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 41      | <p>Detection of any of conditions from 1. through 3.</p> <ol style="list-style-type: none"> <li>1. With vehicle speed at 3 km/h or more, IG1 or +BS terminal voltage is 9.5V or below for 10 sec. or longer.</li> <li>2. With IG1 terminal voltage at 9.5V or below, solenoid relay open, pump motor relay open, solenoid fault detecting condition are established.</li> <li>3. +BS terminal voltage is 19 V or above for 1 sec. or longer</li> </ol> | <ul style="list-style-type: none"> <li>• Battery</li> <li>• Charging system</li> <li>• Power source circuit</li> </ul> |

## WIRING DIAGRAM



# INSPECTION PROCEDURE

|   |                    |
|---|--------------------|
| 1 | Check ECU-IG fuse. |
|---|--------------------|



**PREPARATION:**

Remove ECU-IG fuse from Instrument Panel J/B.

**CHECK:**

Check continuity of ECU-IG fuse.

**OK:**

Continuity

NG

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

OK

|   |                                 |
|---|---------------------------------|
| 2 | Check battery positive voltage. |
|---|---------------------------------|

**OK:**

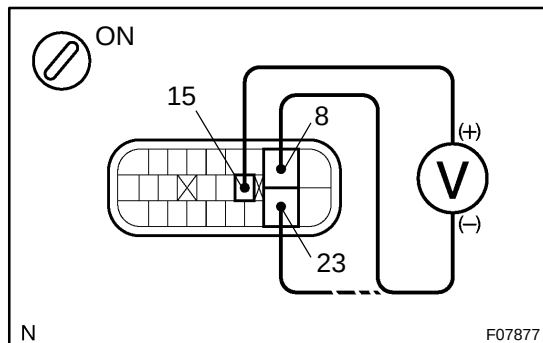
Voltage: 10 - 14 V

NG

Check and repair the charging system (See page [CH-2](#) ).

OK

### 3 Check voltage between terminals IG1 and GND of ABS actuator connector.

**PREPARATION:**

Disconnect ABS actuator connector.

**CHECK:**

- Turn the ignition switch ON.
- Measure voltage between terminals IG1(15) - GND(8, 23) of ABS actuator harness side connector.

**OK:**

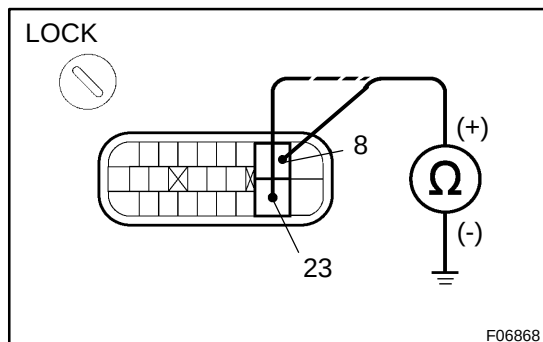
**Voltage: 10 - 14 V**

**OK**

**Check or replace ABS actuator assembly.**

**NG**

### 4 Check continuity between terminals GND of ABS actuator connector and body ground.

**CHECK:**

Measure resistance between terminal GND (8, 23) of ABS actuator harness side connector and body ground.

**OK:**

**Resistance: 1 Ω or less**

**NG**

**Repair or replace harness or connector.**

**OK**

**Check for open circuit in harness and connector between ABS actuator and ECU-IG fuse (See page [IN-31](#)).**