

|            |                  |                                                       |
|------------|------------------|-------------------------------------------------------|
| <b>DTC</b> | <b>Always ON</b> | <b>Malfunction in ECU<br/>IG Power Source Circuit</b> |
|------------|------------------|-------------------------------------------------------|

## CIRCUIT DESCRIPTION

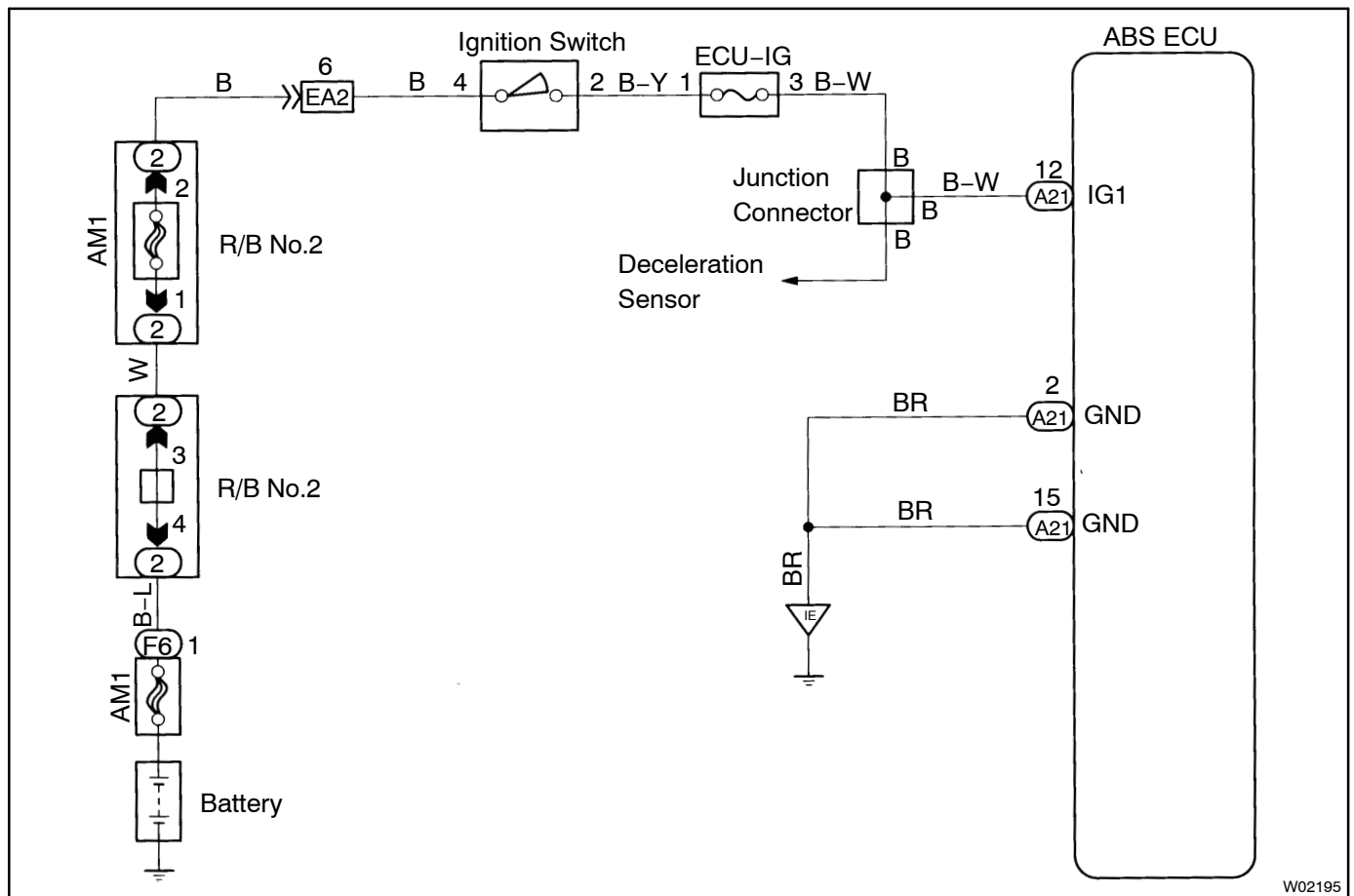
This is the power source for the ECU, hence the CPU, and the actuator.

| DTC No.   | DTC Detection Condition                                               | Trouble Area                                                                                                                                        |
|-----------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Always ON | Voltage of ECU terminal IG1 remains at more than 17 V or below 9.5 V. | <ul style="list-style-type: none"> <li>• Battery</li> <li>• IC regulator</li> <li>• Open or short in power source circuit</li> <li>• ECU</li> </ul> |

Fail safe function:

If trouble occurs in the power source circuit, the ECU cuts off current to the ABS control (solenoid) relay and prohibits ABS control.

## WIRING DIAGRAM



**INSPECTION PROCEDURE**

|          |                       |
|----------|-----------------------|
| <b>1</b> | <b>Is DTC output?</b> |
|----------|-----------------------|

Check DTC on page [DI-180](#).

**YES**

**Repair circuit indicated by code output.**

**NO**

|          |                                  |
|----------|----------------------------------|
| <b>2</b> | <b>Is normal code displayed?</b> |
|----------|----------------------------------|

**YES**

**Check ABS solenoid relay. Check for short in harness and connector between ABS solenoid relay and DLC1 (See page [IN-27](#)).**

**NO**

|          |                                     |
|----------|-------------------------------------|
| <b>3</b> | <b>Is ABS warning light go off?</b> |
|----------|-------------------------------------|

**YES**

**Check for open or short in harness and connector between ECU-IG fuse and ECU (See page [IN-27](#)).**

**NO**

|   |                                 |
|---|---------------------------------|
| 4 | Check battery positive voltage. |
|---|---------------------------------|

**PREPARATION:**

Start the engine.

**CHECK:**

Check the battery positive voltage.

**OK:**

Voltage: 10 – 16 V

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Check and repair charging system.

OK

|   |                          |
|---|--------------------------|
| 5 | Check ABS warning light. |
|---|--------------------------|

**PREPARATION:**

- (a) Turn the ignition switch OFF.
- (b) Disconnect the connector from the ABS ECU.
- (c) Turn the ignition switch ON.

**CHECK:**

Check the ABS warning light goes off.

OK

Check and replace ABS ECU.

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Check for short in harness and connector between combination meter and ABS ECU, combination meter and DLC1(See page [IN-27](#)).