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|------------|-------------------|--------------------------------------|
| <b>DTC</b> | <b>C1718 / 18</b> | <b>Fluid Pressure Sensor Circuit</b> |
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## CIRCUIT DESCRIPTION

This circuit is sending the data to detect the pressure output from the pump and to judge the abnormality of the fluid pressure by the ECU.

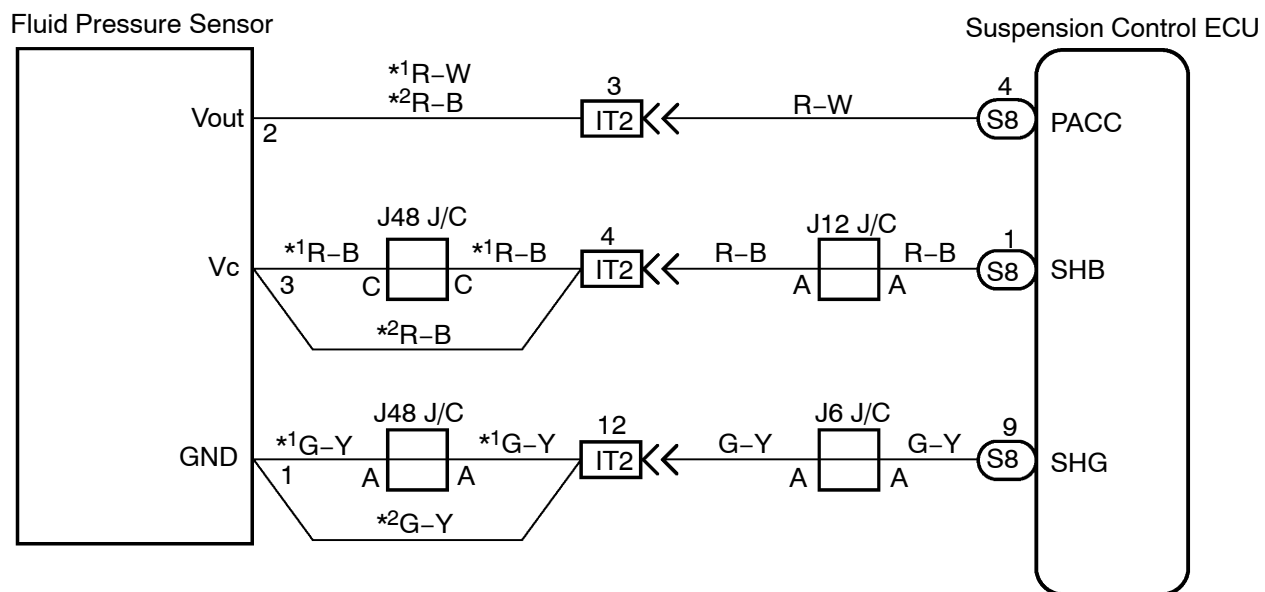
| DTC No.    | DTC Detecting Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Trouble Area                                                                                                                                         |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| C1718 / 18 | <p>Either of the following 1. or 2. is detected:</p> <ol style="list-style-type: none"> <li>1. When detecting the abnormal signal from the fluid pressure sensor (Fluid pressure sensor terminal voltage of ECU is 0.3 V or less or 4.7 V or more) for every 0.01 sec. and that condition continued for 1 sec.</li> <li>2. While the motor relay is non-operating, the condition that the fluid pressure exceeds 1 MPa (10.2 kg/cm<sup>2</sup>, 145 psi) continued for 10 secs.</li> </ol> | <ul style="list-style-type: none"> <li>• Fluid pressure sensor</li> <li>• Fluid pressure sensor circuit</li> <li>• Suspension control ECU</li> </ul> |

Fail safe function:

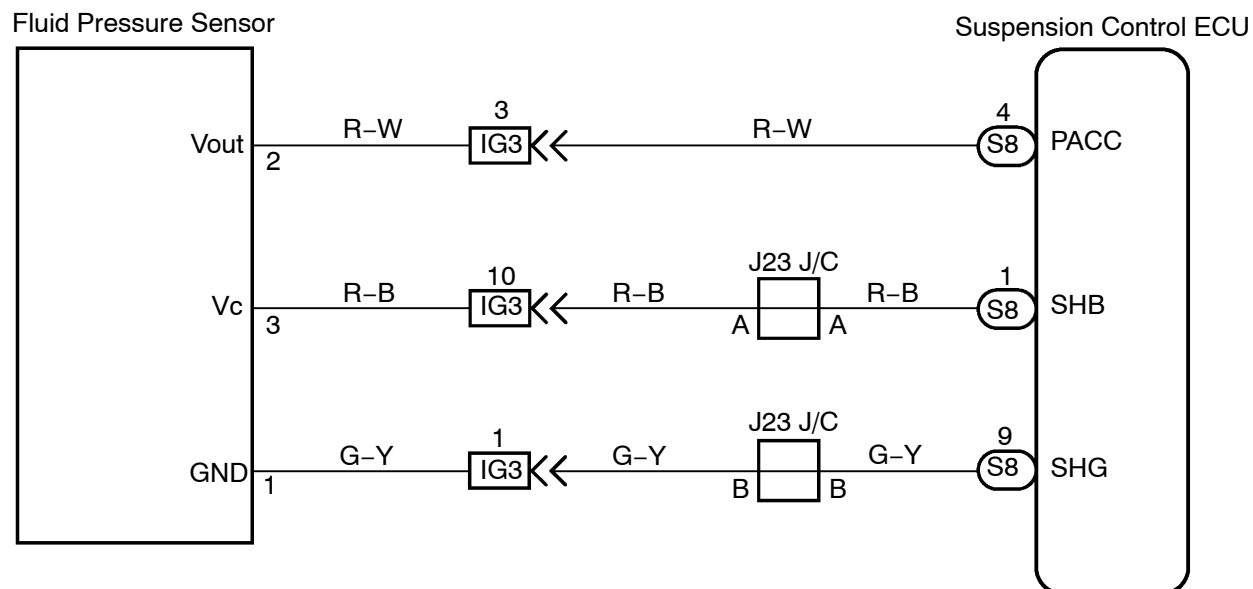
If trouble occurs in the fluid pressure sensor circuit, the height control is prohibited after the ECU has adjusted the vehicle height to the standard.

## WIRING DIAGRAM

## LHD



## RHD



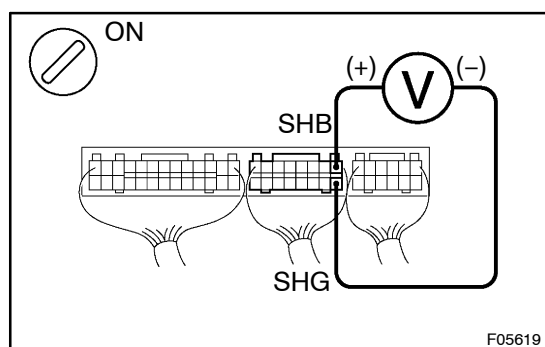
\*1: 1HD-T Engine

\*2: 2UZ-FE and 1HD-FTE Engine

F05851

## INSPECTION PROCEDURE

### 1 Check output value of fluid pressure sensor.



#### PREPARATION:

Remove the suspension control ECU with connectors still connected.

#### CHECK:

- Turn the ignition switch ON.
- Measure voltage between terminals SHB and SHG of suspension control ECU connector.

#### OK:

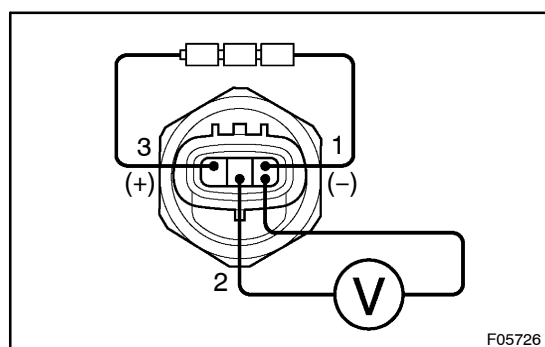
**Voltage: Approx. 5 V**

**NG**

**Check and replace suspension control ECU.**

**OK**

### 2 Check fluid pressure sensor.



#### PREPARATION:

Disconnect the fluid pressure sensor connector.

#### CHECK:

- Connect 3 dry batteries of 1.5 V in series.
- Connect terminal 3 to the batteries' positive (+) terminal, and terminal 1 to the batteries' negative (-) terminal, then apply voltage about 4.5 V between terminals 1 and 3.
- Measure voltage between terminals 1 and 2.

#### OK:

**Voltage: Approx. 4.5 V**

**NG**

**Replace fluid pressure sensor.**

**OK**

**3**

**Check for open and short circuit in harness and connector between fluid pressure sensor, height control sensor, fluid temp. sensor and suspension control ECU ([See page IN-35](#)).**

**NG****Repair or replace harness or connector.****OK**

**Clear the DTC ([See page DI-208](#)).**