DI3GI–03

DTC	C1718 / 18	Fluid Pressure Sensor Circuit

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.

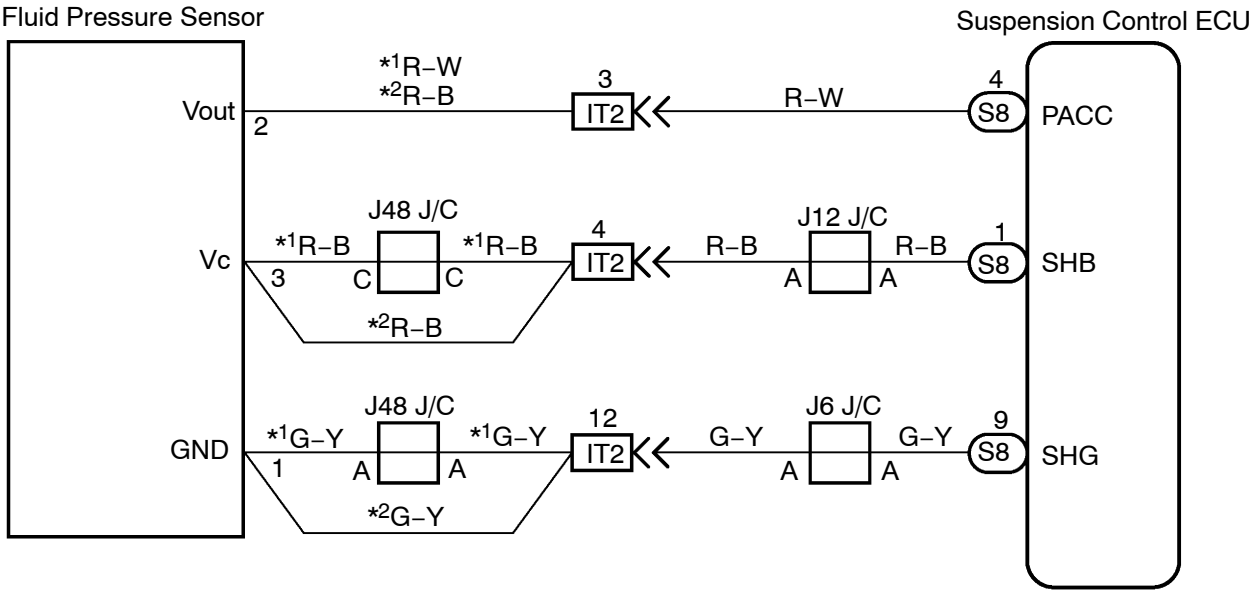
DTC No.	DTC Detecting Condition	Trouble Area
C1718 / 18	Either of the following 1. or 2. is detected: 1. When detecting the abnormal signal from the fluid pressure sensor (Fluid pressure sensor terminal voltage of ECU is 0.3 V or less or 4.7 V or more) for every 0.01 sec. and that condition continued for 1 sec. 2. While the motor relay is non–operating, the condition that the fluid pressure exceeds 1 MPa (10.2 kg/cm^2, 145 psi) continued for 10 secs.	• Fluid pressure sensor • Fluid pressure sensor circuit • Suspension control ECU

Fail safe function:

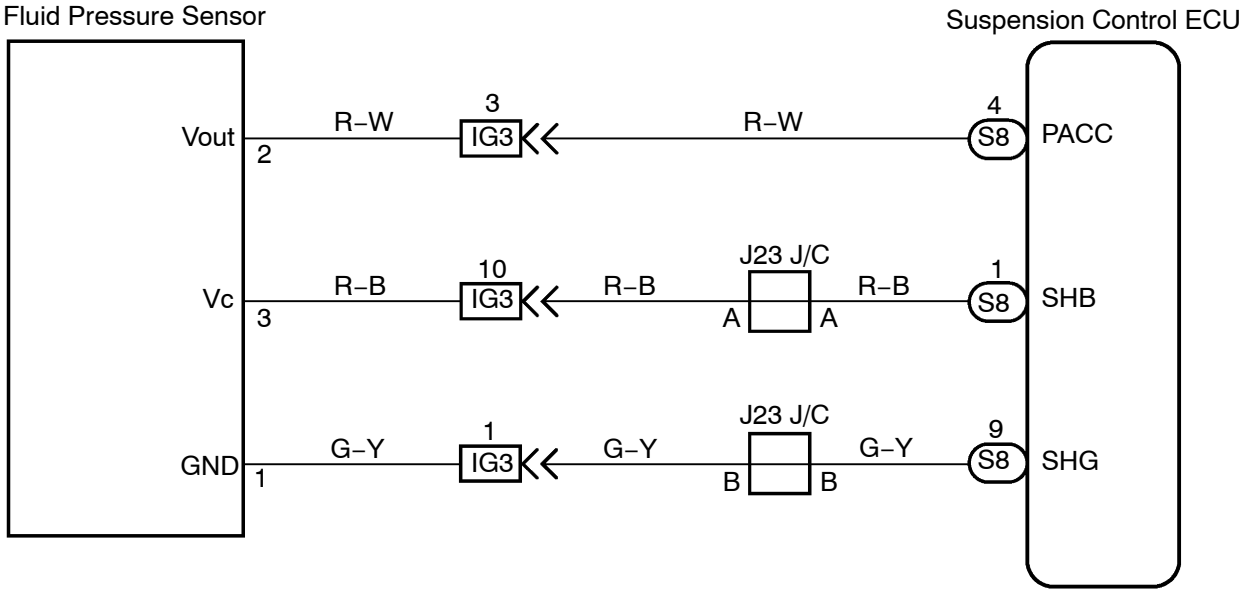
If trouble occurs in the fluid pressure sensor circuit, the height control is prohibited after the ECU has adjusted the vehicle height to the standard.

WIRING DIAGRAM

LHD



RHD



*1: 1HD–T Engine

*2: 2UZ–FE and 1HD–FTE Engine

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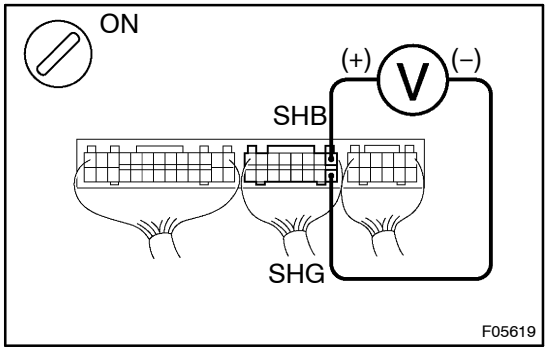
INSPECTION PROCEDURE

1	Check output value of fluid pressure sensor.



PREPARATION:

Remove the suspension control ECU with connectors still connected.

CHECK:

(a) Turn the ignition switch ON.

(b) Measure voltage between terminals SHB and SHG of suspension control ECU connector.

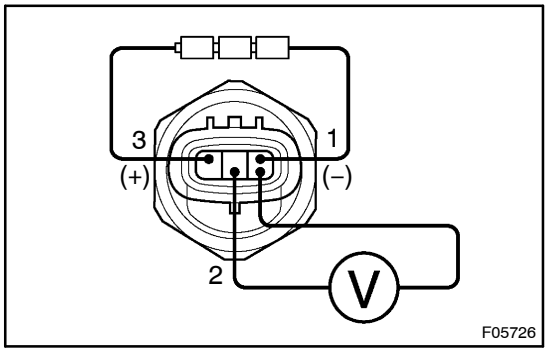
OK:

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:

(a) Connect 3 dry batteries of 1.5 V in series.

(b) 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.

(c) 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).