

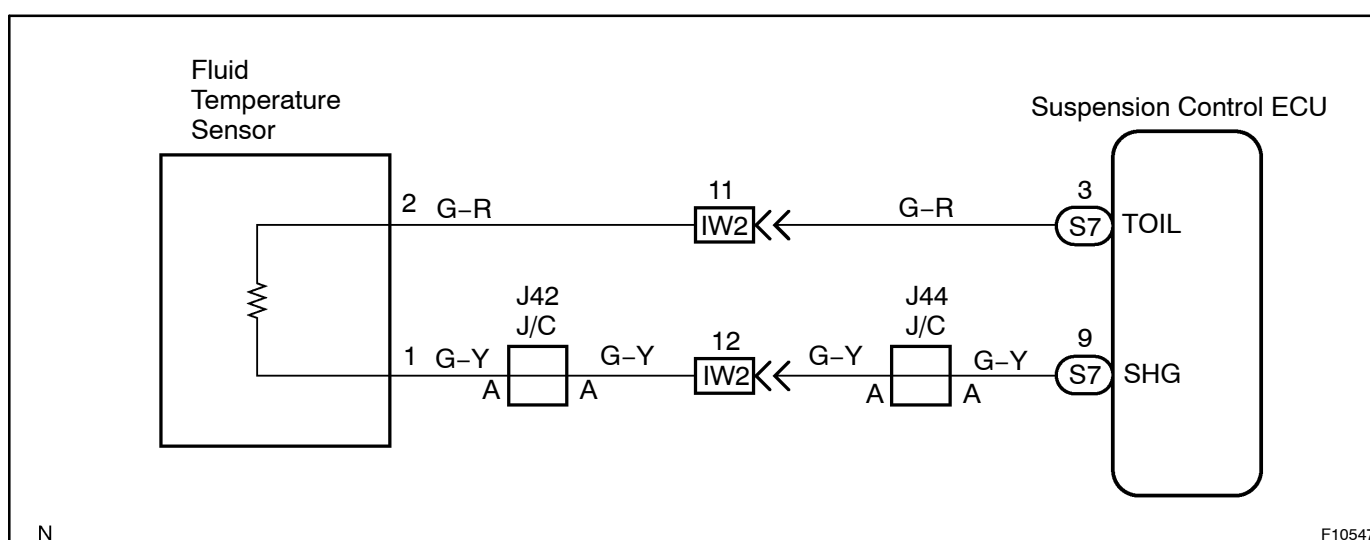
|            |                   |                                         |
|------------|-------------------|-----------------------------------------|
| <b>DTC</b> | <b>C1719 / 19</b> | <b>Fluid Temperature Sensor Circuit</b> |
|------------|-------------------|-----------------------------------------|

## CIRCUIT DESCRIPTION

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

| DTC No.    | DTC Detecting Condition                                                                                                                                                                                                                      | Trouble Area                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| C1719 / 19 | When detecting the abnormal signal from the fluid temp. sensor (Fluid temp. sensor terminal voltage of ECU is 0.1 V or less or 4.8 V or more) for every 0.01 sec. and that condition continued for 0.5 sec. and had been consisted 10 times. | <ul style="list-style-type: none"> <li>• Fluid temperature sensor</li> <li>• Fluid temperature sensor circuit</li> <li>• ECU</li> </ul> |

## WIRING DIAGRAM



## INSPECTION PROCEDURE

HINT:

Start the inspection from step 1 in case of using the LEXUS hand-held tester and start from step 2 in case of not using the LEXUS hand-held tester.

|          |                                                        |
|----------|--------------------------------------------------------|
| <b>1</b> | <b>Check output value of fluid temperature sensor.</b> |
|----------|--------------------------------------------------------|

### PREPARATION:

- Connect the LEXUS hand-held tester to the DLC3.
- Turn the ignition switch ON and push the LEXUS hand-held tester main switch ON.
- Select the DATALIST mode on the LEXUS hand-held tester.

### CHECK:

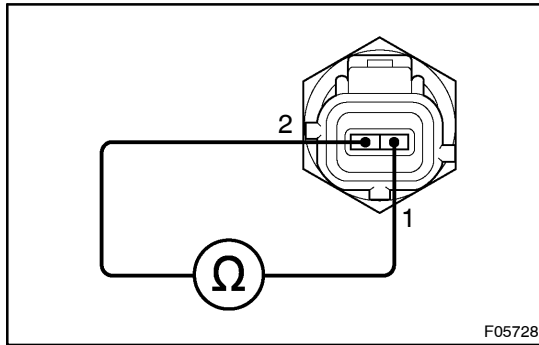
Check the temperature value of the fluid temperature sensor displayed on the LEXUS hand-held tester.

### OK:

**Same as actual fluid temperature**

|           |                                                         |
|-----------|---------------------------------------------------------|
| <b>OK</b> | <b>Clear the DTC (See page <a href="#">DI-213</a>).</b> |
|-----------|---------------------------------------------------------|

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**2 Check fluid temperature sensor.****PREPARATION:**

Disconnect the fluid temperature sensor connector.

**CHECK:**

Measure resistance between terminals 1 and 2 of fluid temperature sensor connector.

**OK:** $2.45 \pm 0.45 \text{ k}\Omega$  at 20 °C (68 °F)

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**Replace fluid temperature sensor.**

OK

**3 Check for open and short circuit in harness and connector between fluid temperature sensor and suspension control ECU (See page [IN-34](#)).**

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**Repair or replace harness or connector.**

OK

**Clear the DTC (See page [DI-213](#)).**