

| DTC | C1776 / 76 | Speed Sensor Circuit Abnormal |
|-----|------------|-------------------------------|
|-----|------------|-------------------------------|

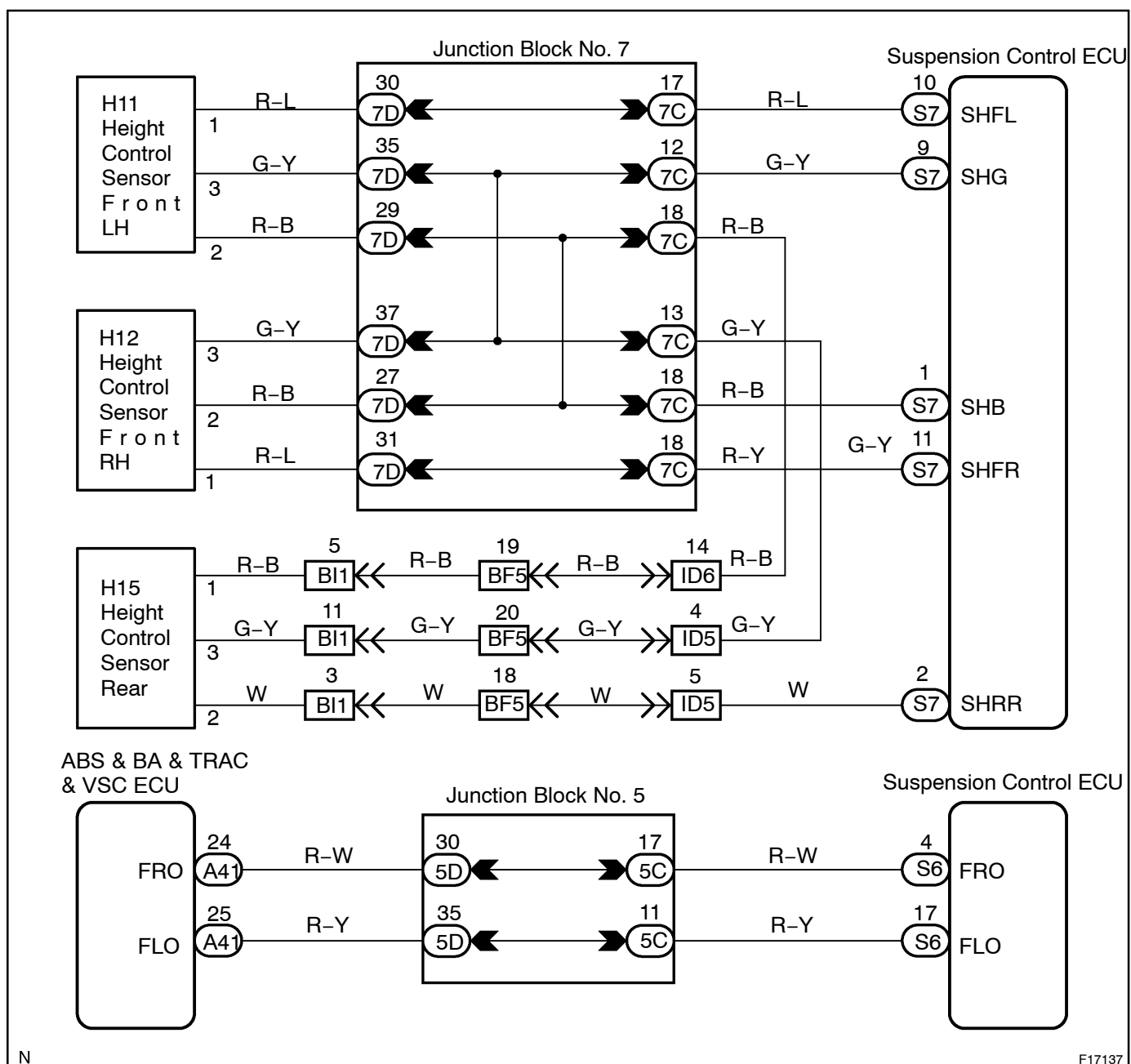
## CIRCUIT DESCRIPTION

| DTC No.    | DTC Detecting Condition                                                             | Trouble Area                                                                                                                                                                                             |
|------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C1776 / 76 | While the vehicle is stopped, when the front height control sensor signal is input. | <ul style="list-style-type: none"> <li>• Front speed sensor circuit</li> <li>• Right front, left front height control sensor</li> <li>• Right front, left front height control sensor circuit</li> </ul> |

Fail safe function:

If any trouble occurs, the height control is prohibited again after adjusting the vehicle to the standard height in case that the height is higher than the standard or to the lowest wheel of the 4 wheels in case that the height is lower than than standard.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

|   |                                                                          |
|---|--------------------------------------------------------------------------|
| 1 | Check whether or not the ABS & BA & TRAC & VSC ECU outputs DTC 31 or 32. |
|---|--------------------------------------------------------------------------|

Check DTC on page [DI-600](#).

YES

Check ABS speed sensor circuit  
(See page [DI-623](#)).

NO

|   |                                                                                                                                                           |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Check for open and short circuit in harness and connector between ABS & BA & TRAC & VSC ECU and suspension control ECU (See page <a href="#">IN-36</a> ). |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

NG

Repair or replace harness or connector.

OK

|   |                                                                         |
|---|-------------------------------------------------------------------------|
| 3 | Check output value of right front and left front height control sensor. |
|---|-------------------------------------------------------------------------|

### IN CASE OF USING LEXUS HAND-HELD TESTER:

#### PREPARATION:

- (a) Connect the LEXUS hand-held tester to the DLC3.
- (b) Start the engine and push the LEXUS hand-held tester main switch ON.
- (c) Select the DATA LIST mode on the LEXUS hand-held tester.

#### CHECK:

Check that the vehicle height value of the height control sensor displayed by the LEXUS hand-held tester is changing when pushing the "UP" or "DOWN" button of the height select switch.

#### OK:

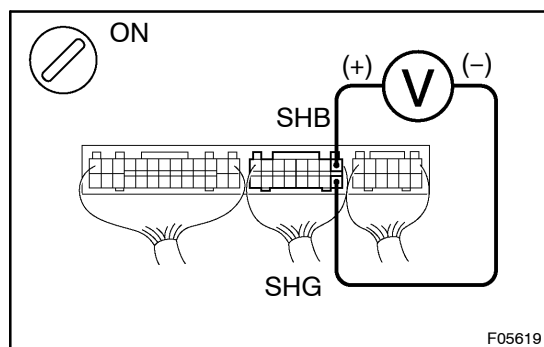
Vehicle height value must be changing.

NG

Replace height control sensor.

OK

Check for open and short circuit in harness and connector between height control sensor and suspension control ECU (See page [IN-36](#)).



**IN CASE OF NOT USING LEXUS HAND-HELD TESTER:**  
**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**

**Replace height control sensor.**

**OK**

**Check for open and short circuit in harness and connector between height control sensor and suspension control ECU (See page [IN-36](#)).**