

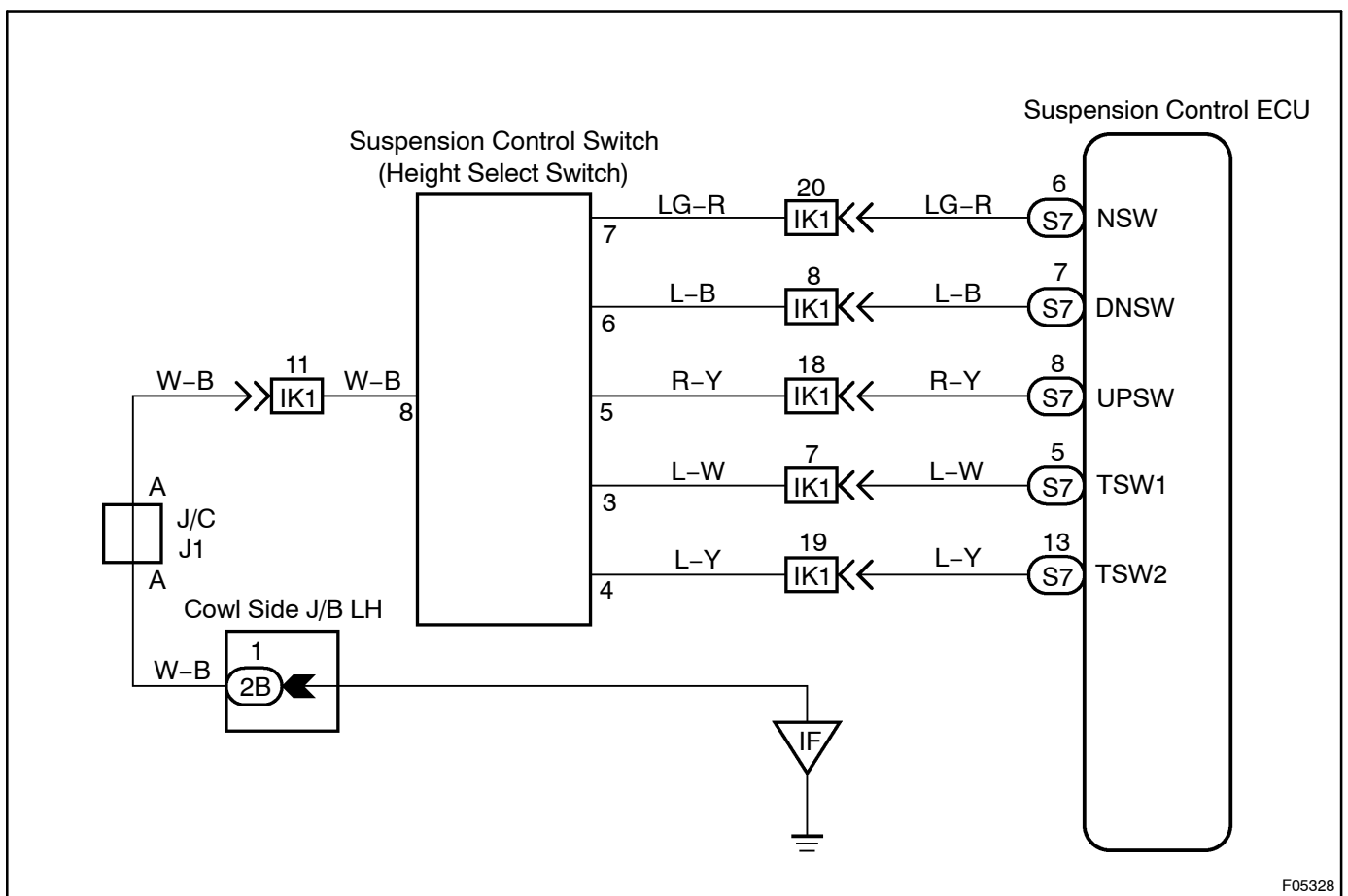
|            |                   |                                     |
|------------|-------------------|-------------------------------------|
| <b>DTC</b> | <b>C1786 / 86</b> | <b>Height Select Switch Circuit</b> |
|------------|-------------------|-------------------------------------|

## CIRCUIT DESCRIPTION

This circuit sending the signal to ECU in order to adjust the height to the aimed height selected by the height select switch.

| DTC No.    | DTC Detecting Condition                     | Trouble Area                                                                                                                    |
|------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| C1786 / 86 | Height select switch signal does not change | <ul style="list-style-type: none"> <li>• Height select switch</li> <li>• Height select switch circuit</li> <li>• ECU</li> </ul> |

## WIRING DIAGRAM



F05328

**INSPECTION PROCEDURE**

|   |                                                     |
|---|-----------------------------------------------------|
| 1 | <b>Check output signal of height select switch.</b> |
|---|-----------------------------------------------------|

**IN CASE OF USING LEXUS HAND-HELD TESTER:****PREPARATION:**

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

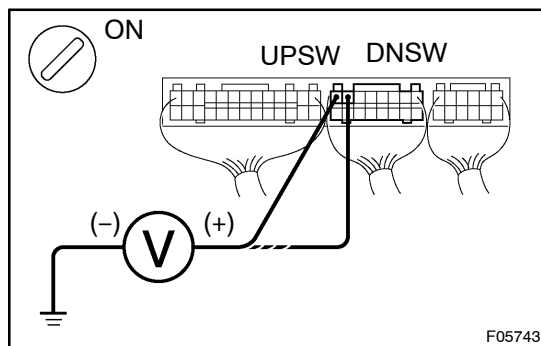
**CHECK:**

Check the height select switch condition displayed on the LEXUS hand-held tester when pushing "UP" and "DOWN" button of the height select switch.

**OK:**

**When "UP" button is pushed: "ON" is displayed for height select up switch condition.**

**When "DOWN" button is pushed: "ON" is displayed for height select down switch condition.**

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

Remove the suspension control ECU with connectors still connected.

**CHECK:**

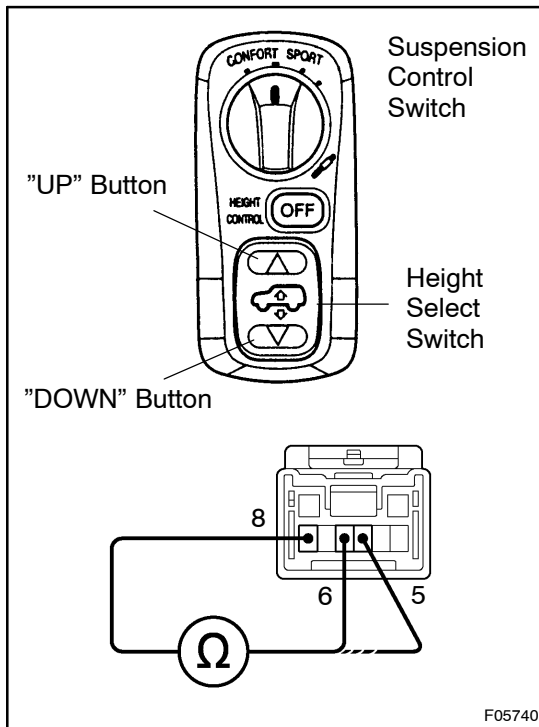
- (a) Turn the ignition switch ON.
- (b) Measure voltage between terminals DNSW and UPSW of suspension control ECU connector and body ground when "DOWN" and "UP" button of height select switch is pushed.

**OK:**

| Terminal           | Switch condition     | Voltage     |
|--------------------|----------------------|-------------|
| DNSW – Body ground | "DOWN" button pushed | 9 – 14 V    |
|                    | "UP" button pushed   | Below 1.5 V |
| UPSW – Body ground | "UP" button pushed   | 9 – 14 V    |
|                    | "DOWN" button pushed | Below 1.5 V |

**OK****No problem.****NG**

## 2 Check height select switch.



### PREPARATION:

- Remove the suspension control switch.
- Disconnect the suspension control switch (for height select switch) connector.

### CHECK:

Measure resistance between terminals 5, 6 and 8 of suspension control switch (for height select switch) connector when "UP" and "DOWN" button of the height select switch is pushed.

### OK:

| Terminal | Switch condition     | Resistance       |
|----------|----------------------|------------------|
| 5 – 8    | "UP" button pushed   | 0 Ω (Continuity) |
|          | "DOWN" button pushed | ∞ Ω (Open)       |
| 6 – 8    | "DOWN" button pushed | 0 Ω (Continuity) |
|          | "UP" button pushed   | ∞ Ω (Open)       |

NG

Replace suspension control switch.

OK

## 3 Check for open and short circuit in harness and connector between height select switch and suspension control ECU (See page [IN-34](#)).

NG

Repair or replace harness or connector.

OK

Check and replace suspension control ECU.