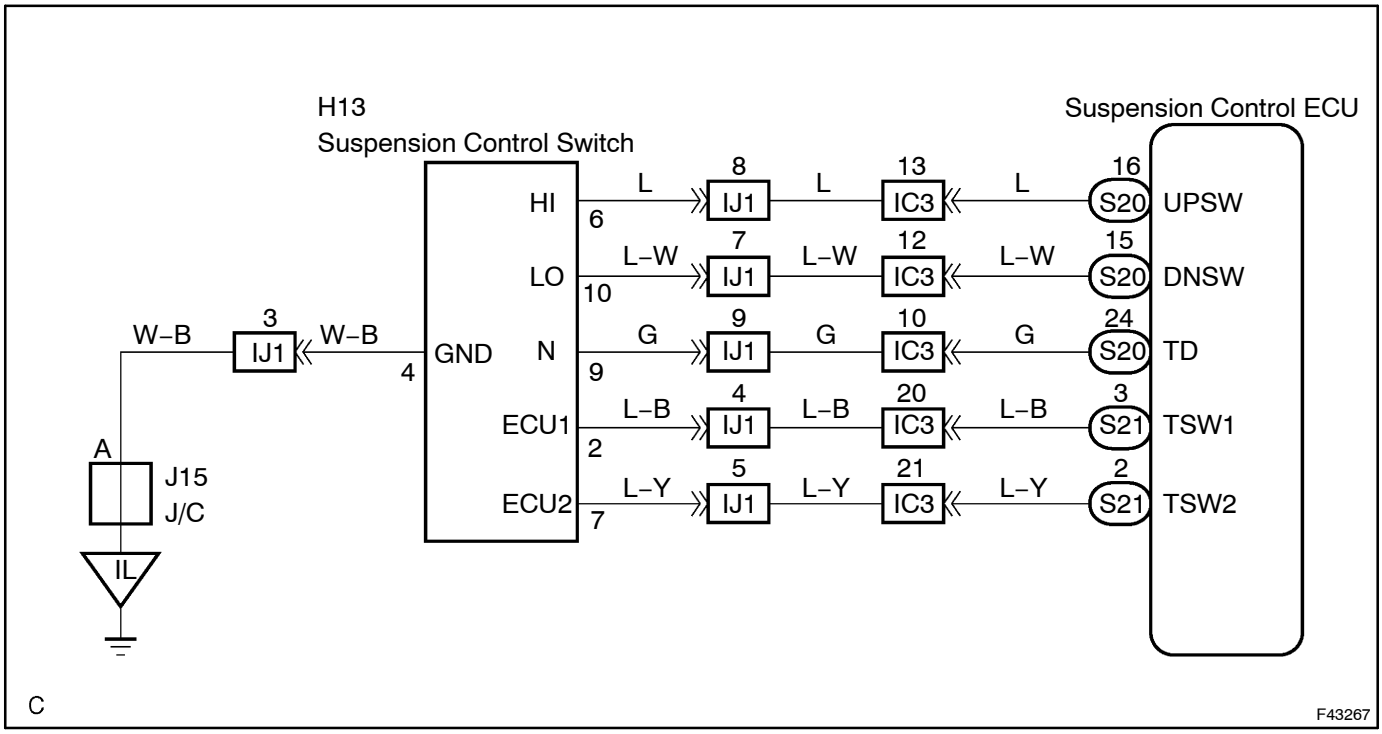
# DTC C1787/87 ABSORBER CONTROL SWITCH CIRCUIT

## CIRCUIT DESCRIPTION

The absorber control switch is installed in the suspension control switch.
The absorber control switch is selects the damping force mode of the shock absorber.

| DTC No. | DTC Detecting Condition | Trouble Area |
|---|---|---|
| C1787/87 | Absorber control switch signal does not change. | • Absorber control switch (Suspension control switch)<br>• Absorber control switch circuit<br>• Suspension control ECU |

## WIRING DIAGRAM



# INSPECTION PROCEDURE

HINT:
Start the inspection from the step 1 in the case of using hand–held tester, and start from step 2 in the case of not using hand–held tester.

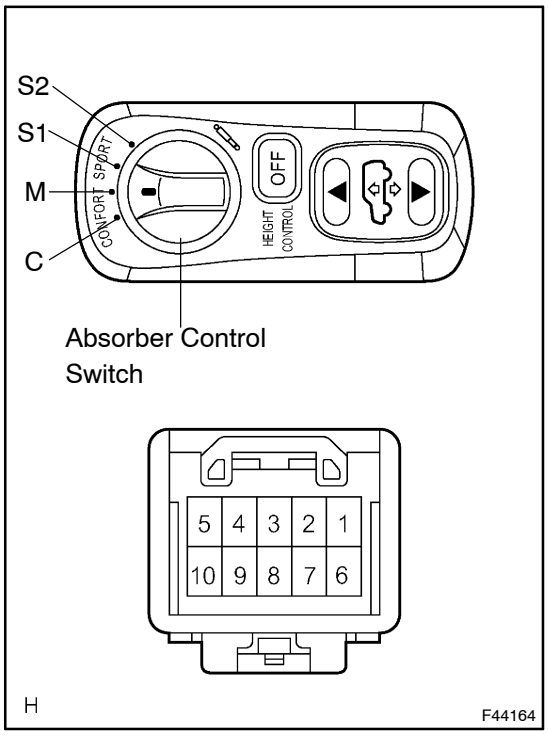
## 1 READ VALUE OF HAND–HELD TESTER

(a) Connect the hand–held tester to DLC3.
(b) Turn the ignition switch to ON, and turn the hand–held tester main switch to ON.
(c) Select the item "DAMPER SW1" in the DATA LIST, and read its value displayed on the hand–held tester.
(d) Check that the acceleration value of the acceleration sensor observed in the hand–held tester changes when the vehicle is bounced.
**Standard:**
**Suspension control switch value changes.**

**OK** → **CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01–36)**

**NG**

## 2 INSPECT ABSORBER CONTROL SWITCH




(a) Disconnect the suspension control switch connector.
(b) Check the continuity between each terminal of the absorber control at each switch position.
**Standard:**

| Switch condition | Tester connection | Specification |
|---|---|---|
| SPORT2 (S2) | 2 – 4 – 7 | No continuity |
| SPORT1 (S1) | 4 – 7 | Continuity |
| NORM (M) | 2 – 4 – 7 | Continuity |
| COMFORT (C) | 2 – 4 | Continuity |

HINT:
When the absorber control switch is faulty, replace the suspension control switch and all because the former switch is installed in the latter.

**NG** → **REPLACE SUSPENSION CONTROL SWITCH**

**OK**

| 3 | CHECK HARNESS AND CONNECTOR(ABSORBER CONTROL SWITCH – SUSPENSION CONTROL ECU) |
|---|---|

(a) Check for open and short circuit in the harness and the connector between the absorber control switch and the suspension control ECU (See page 01–36).

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01–36)