DI3GV–03

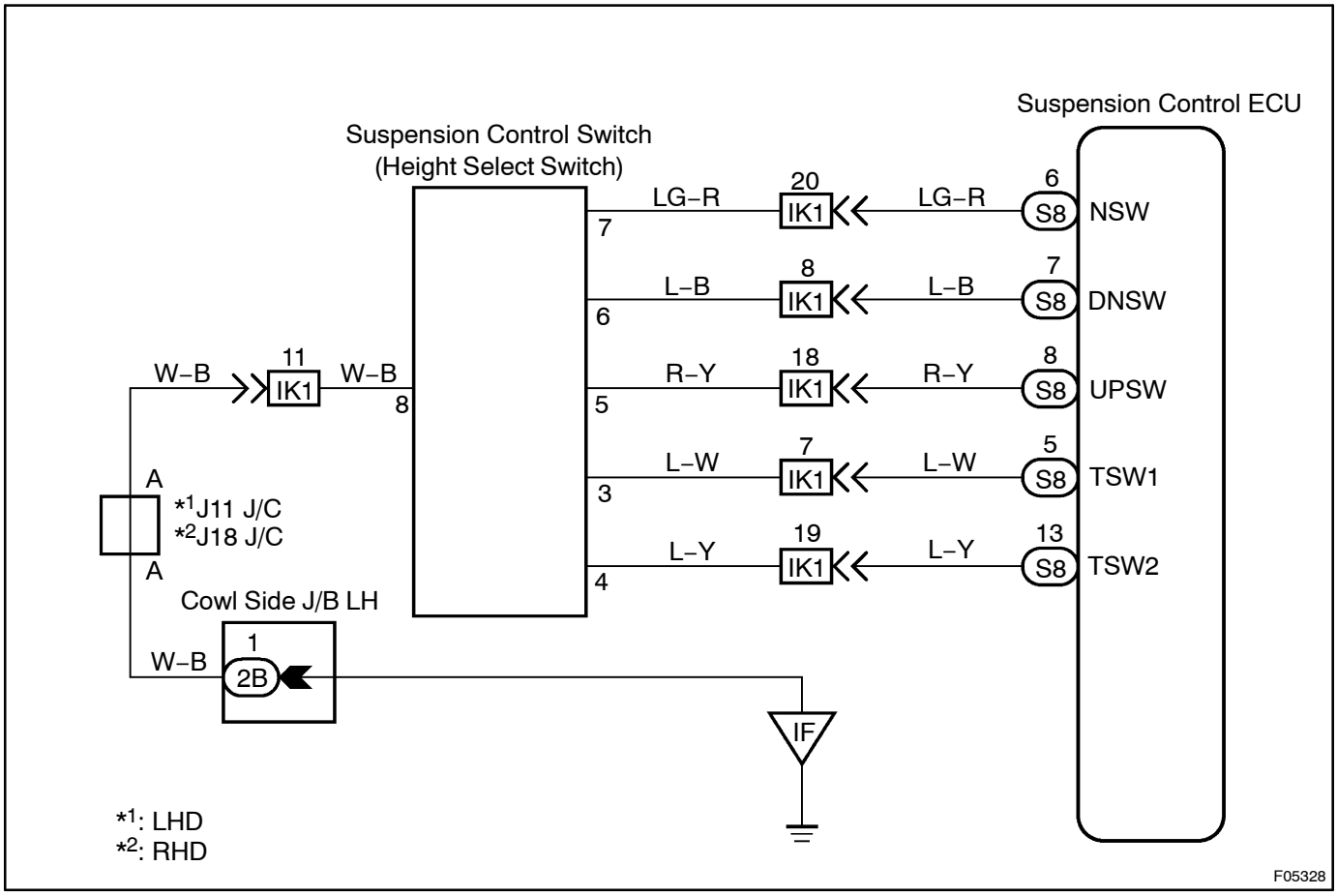
DTC	C1786 / 86	Height Select Switch Circuit

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.	• Height select switch • Height select switch circuit • Suspension control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check output signal of height select switch.**

IN CASE OF USING HAND–HELD TESTER:

PREPARATION:

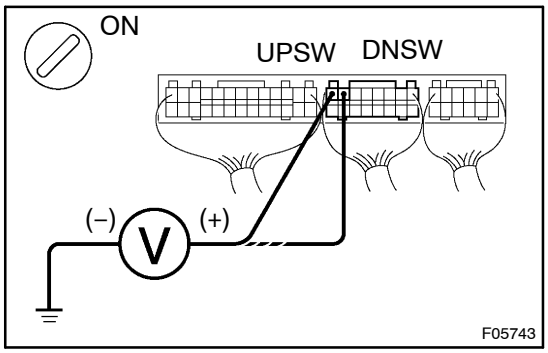
(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch ON and push the hand–held tester main switch ON.
(c) Select the DATALIST mode on the hand–held tester.

CHECK:

Check the height select switch condition displayed on the 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 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.

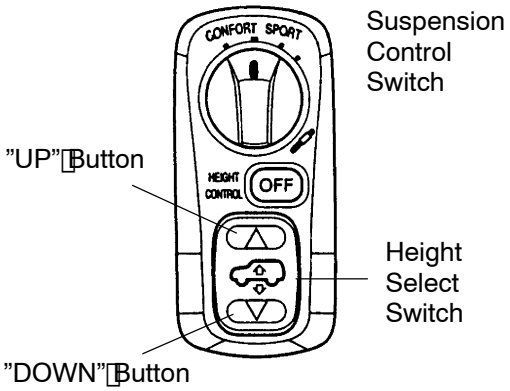
OK:

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:

(a) Remove the suspension control switch.

(b) 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–35).

NG → **Repair or replace harness or connector.**

OK

Check and replace suspension control ECU.