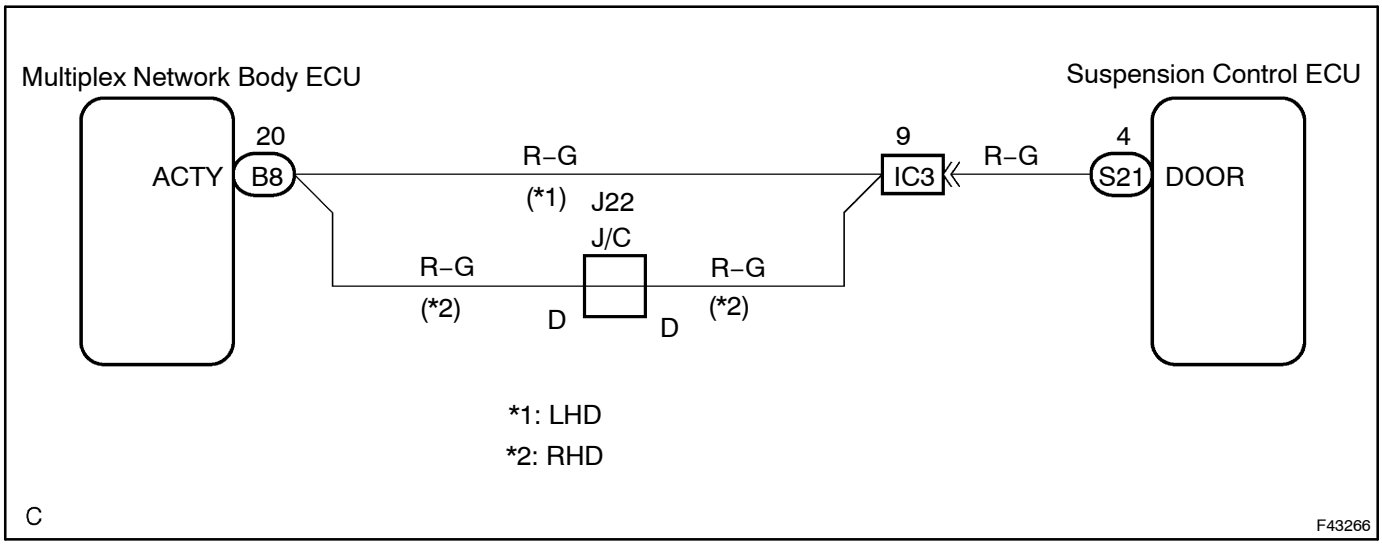
# DTC C1783/83 DOOR COURTESY SWITCH CIRCUIT

## CIRCUIT DESCRIPTION

The door courtesy switch assy turns on when the door is opened and turns off when the door is closed. The signal is sent from the multiplex network body ECU into the DOOR terminal of the suspension control ECU when all the doors are open.

| DTC No. | DTC Detecting Condition | Trouble Area |
|---|---|---|
| C1783/83 | Door courtesy switch signal does not change. | • Door courtesy switch assy<br>• Back door courtesy switch assy<br>• Door courtesy switch circuit<br>• Multiplex network body ECU<br>• Suspension control ECU |

## WIRING DIAGRAM




## INSPECTION PROCEDURE

| 1 | INSPECT FRONT DOOR COURTESY LAMP SWITCH ASSY |
|---|---|

(a) Check that the open door warning light comes on when each door and back door is opened and goes off when all the doors are closed.

NG → **CHECK OPEN DOOR WARNING LIGHT CIRCUIT (See page 71–1)**

OK

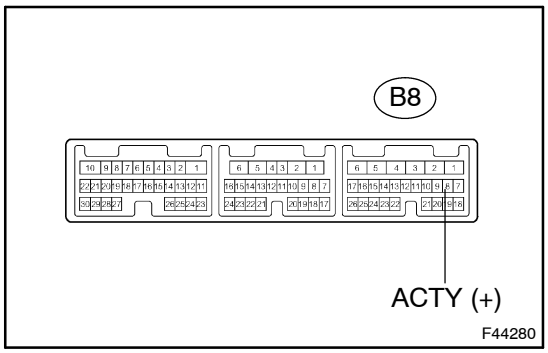
| 2 | CHECK HARNESS AND CONNECTOR(SUSPENSION CONTROL ECU – MULTIPLEX NETWORK BODY ECU) |
|---|---|

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

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

| 3 | INSPECT MULTIPLEX NETWORK BODY ECU(ACTY OUTPUT) |
|---|---|




(a) Remove the multiplex network body ECU with connectors being connected.

(b) Measure voltage between terminal B8–8 (ACTY) and body ground of the multiplex network body ECU when door is opened and closed.

**Standard:**

| Door condition | Voltage |
|---|---|
| Each door opened | Below 1.5 V |
| All door closed | 10 – 14 V |

NG → CHECK AND REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY (See page 01–36)

OK

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