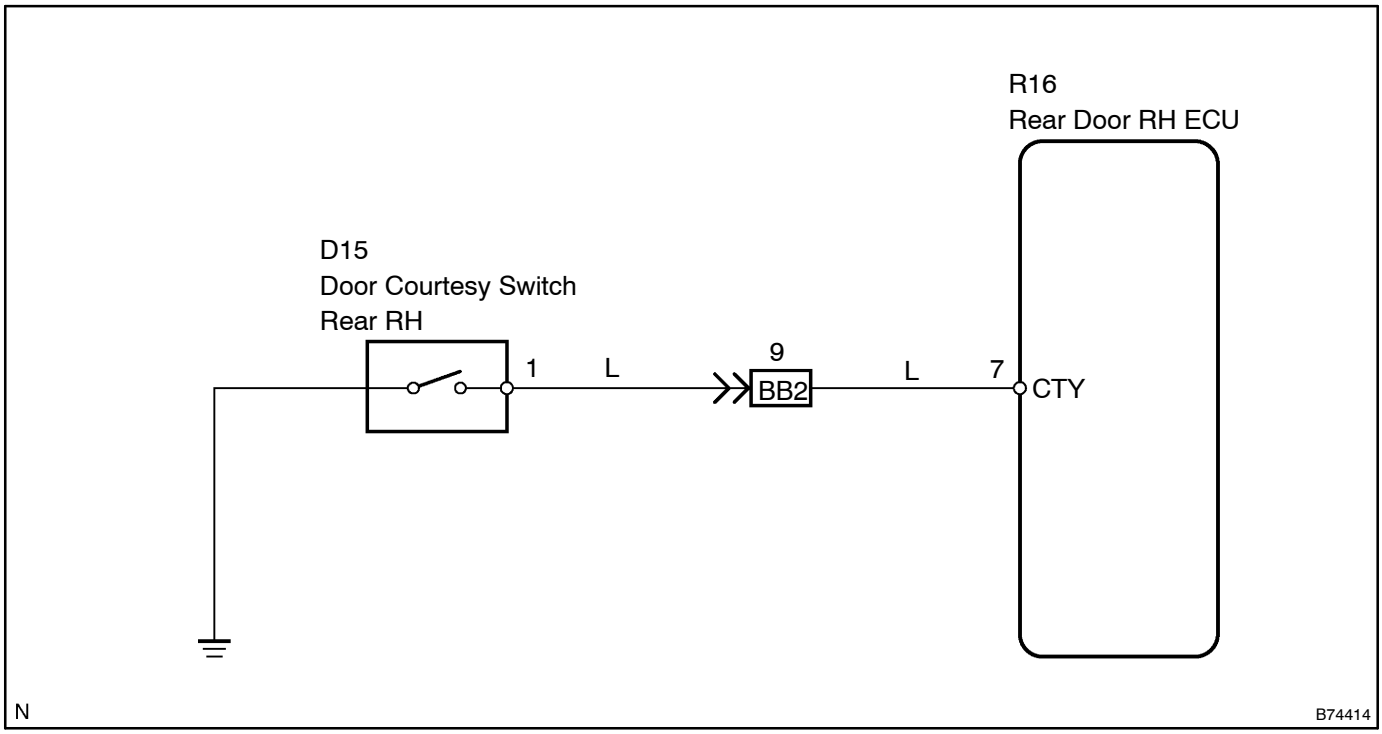
DOOR COURTESY SWITCH CIRCUIT (RH)

CIRCUIT DESCRIPTION

The door courtesy light turns on when the door is open and turns off when the door is closed.
The rear door RH ECU detects the condition of the door courtesy switch and sends the information to each ECU via the multiplex communication circuit.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the ignition switch ON and push the intelligent tester II main switch ON.
(c) Select the item below in the DATA LIST and read the display on the intelligent tester II.
Rear door RH ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
Courtesy SW	Rear door courtesy switch signal/ ON or OFF	ON: Rear door is open OFF: Rear door is closed

OK:
On the tester screen, each item should change between ON and OFF according to the above chart.

NG → **Go to step 2**

OK

Go to step 5

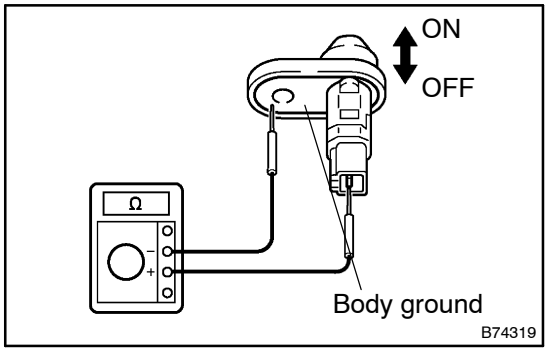
2	CHECK OPERATION OF DOOR COURTESY SWITCH REAR RH

(a) Check that the door courtesy light turns on when the door is open, and turns off when closed.
OK:
Operates normally.

OK → **REPLACE REAR DOOR RH ECU**

NG

3	INSPECT DOOR COURTESY SWITCH REAR RH



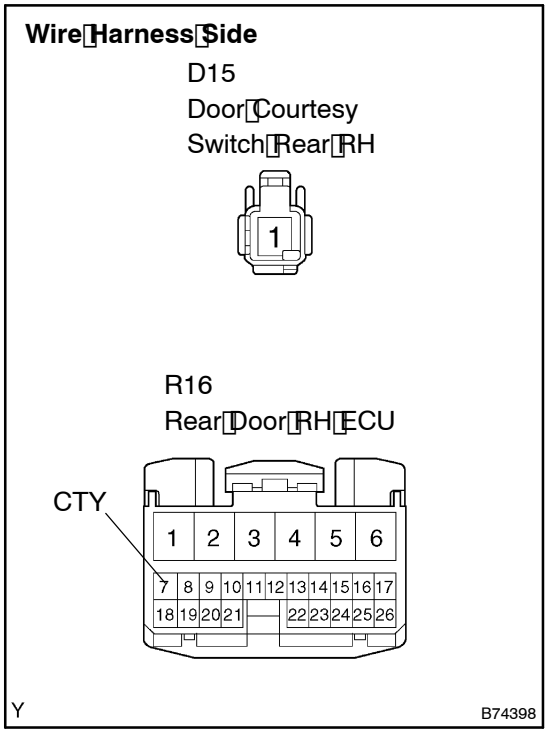
(a) Remove the door courtesy switch RH.
(b) Measure the resistance of the door courtesy switch RH.
Standard:

Tester Connection	Switch Condition	Specified Condition
1 – Body ground	ON (Switch pin released)	Below 1 Ω
1 – Body ground	OFF (Switch pin pushed)	10 kΩ or higher

NG → **REPLACE DOOR COURTESY SWITCH RH**

OK

4	CHECK WIRE HARNESS (DOOR COURTESY SWITCH REAR RH – REAR DOOR RH ECU)



(a) Disconnect the D15 switch and R16 ECU connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
D15–1 – R16–7 (CTY)	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

5	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the ignition switch ON and push the intelligent tester II main switch ON.
(c) Select the item below in the DATA LIST and read the displays on the intelligent tester II.

Rear RH seat ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
Courtesy SW	Rear door courtesy switch signal/ ON or OFF	ON: Rear door is open OFF: Rear door is closed

OK:

On the tester screen, each item should change between ON and OFF according to the above chart.

NG → **REPLACE REAR RH SEAT ECU**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE
(See page 05–2340)