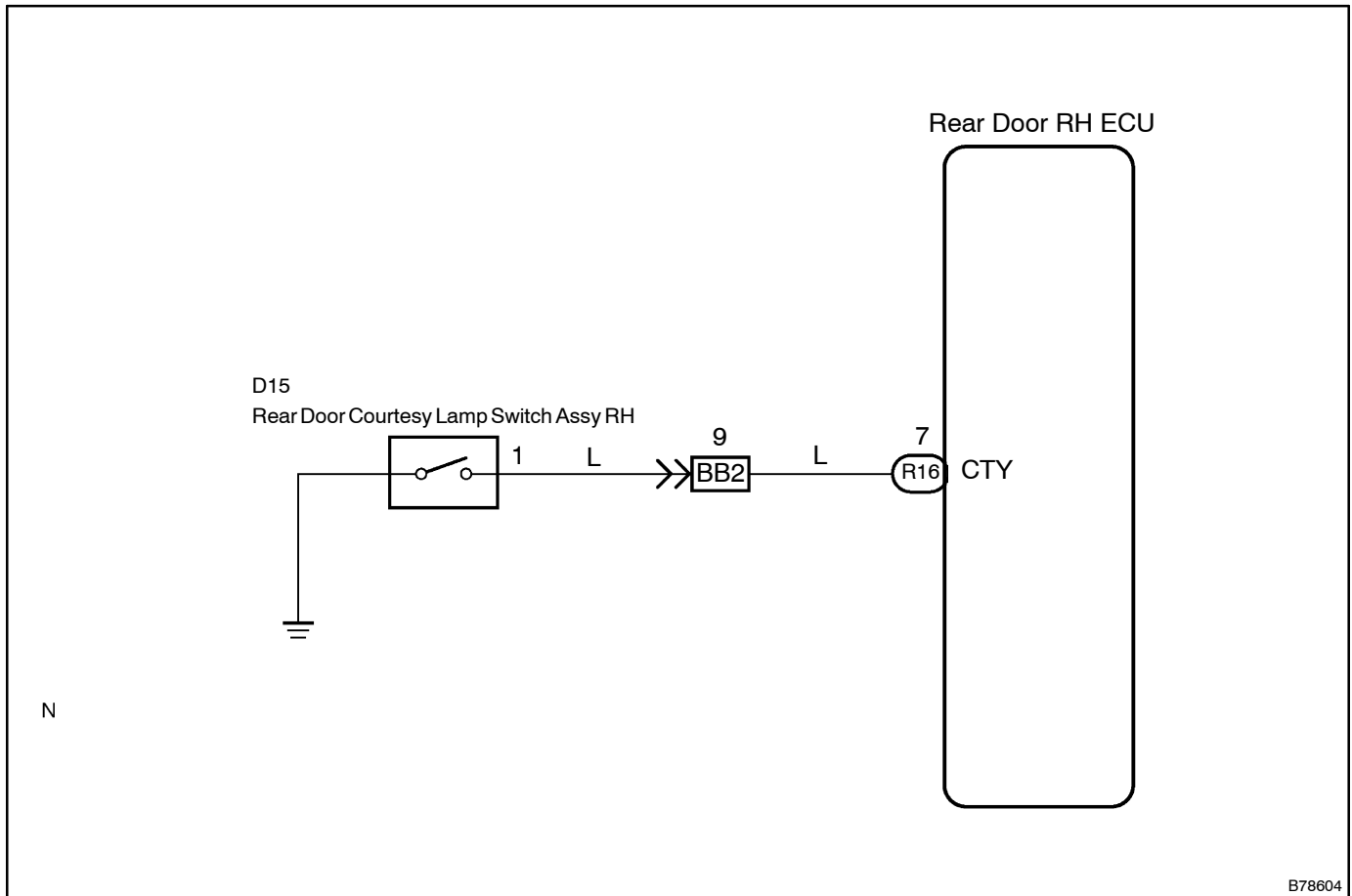# DOOR COURTESY SWITCH CIRCUIT ON REAR RIGHT SIDE DOOR

CIRCUIT DESCRIPTION

The door courtesy lamp turns on when the door is opened and turns off when the door is closed.
The driver door ECU detects the condition of the door courtesy switch and sends a signal to each ECU via the multiplex communication circuit.

WIRING DIAGRAM

B78604

INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II (DOOR COURTESY SWITCH)

(a) Check the DATA LIST for proper functioning of the door courtesy switch.
Multiplex network body ECU (Rear door LH ECU)

| Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Courtesy SW	Door courtesy switch signal /ON or OFF	ON: Door is open OFF: Door is closed	–

OK: "ON" (door is open) appears on the screen.

> NG ▷ Go to step 2

OK ▽

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE (See page 05–2529)

2	INSPECT REAR DOOR COURTESY LAMP SWITCH ASSY RH

Not Pushed (ON)
Pushed (OFF)
Body Ground
B58556
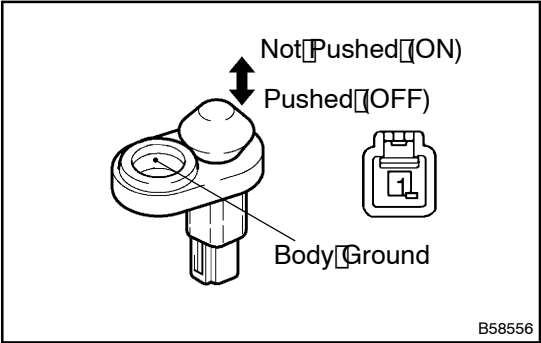
(a) Remove the courtesy lamp switch.
(b) Measure the resistance of the switch.
Standard:

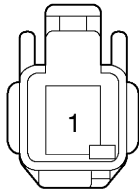| Tester Connection	Switch Position	Specified Condition
1 – Body ground	Not Pushed (ON)	Below 1 Ω
1 – Body ground	Pushed (OFF)	10 kΩ or higher

> NG ▷ REPLACE REAR DOOR COURTESY LAMP SWITCH ASSY RH

OK ▽

| 3 | CHECK WIRE HARNESS (REAR DOOR COURTESY LAMP SWITCH ASSY RH – MULTIPLEX NETWORK BODY ECU (REAR DOOR RH ECU)) |

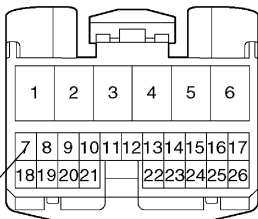**Wire Harness Side**

D15
Rear Door Courtesy Lamp Switch Assy RH

B65420

R16
Multiplex Network Body ECU

CTY

T   B79703

(a) Disconnect the D15 switch and R16 ECU connectors.

(b) Check 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

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE