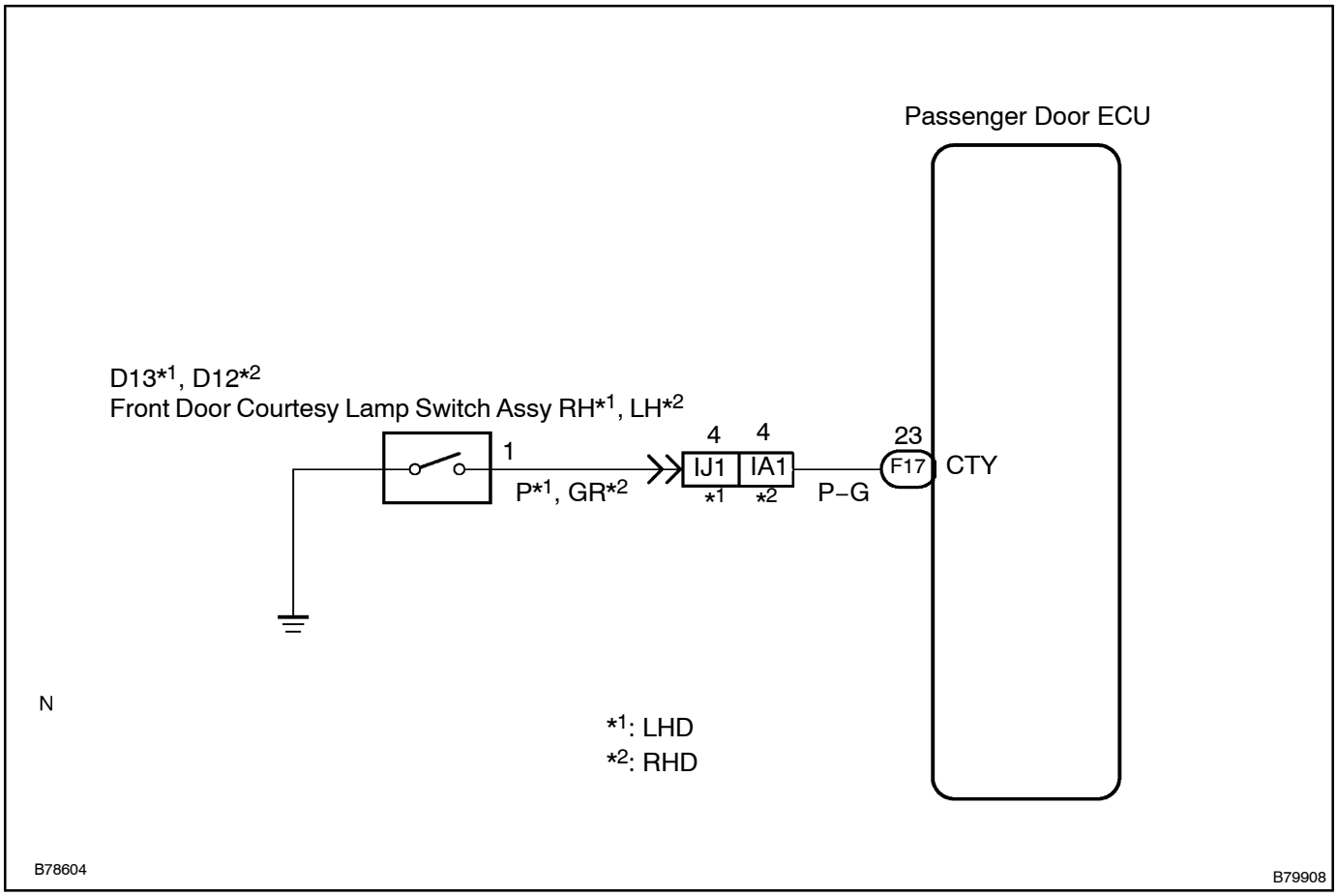
DOOR COURTESY SWITCH CIRCUIT ON PASSENGER SIDE DOOR

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



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 (Passenger door 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	–

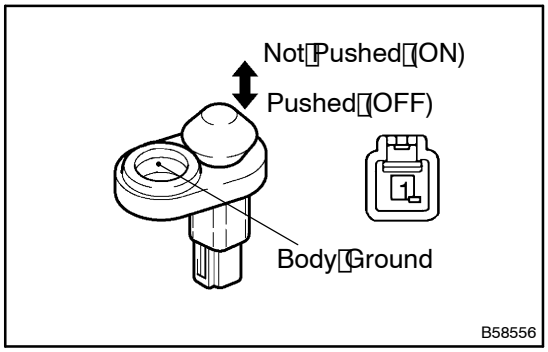
OK: "ON" (door is open) appears on the screen.

NG → **Go to step 2**

OK

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

2	INSPECT FRONT DOOR COURTESY LAMP SWITCH ASSY RH



(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 FRONT DOOR COURTESY LAMP SWITCH ASSY RH**

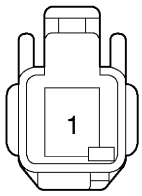
OK

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

Wire Harness Side

D13*1, D12*2

Front Door Courtesy Lamp Switch Assy RH*1, LH*2



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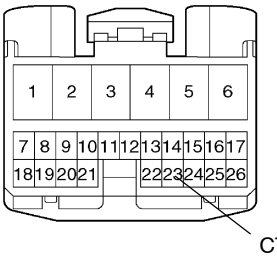
Multiplex Network Body ECU



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(a) Disconnect the D13/D12 switch and F17 ECU connectors.

(b) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
D13*1/D12*2–1 – F17–23 (CTY)	Below 1 Ω

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

OK

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