05HZ5-01
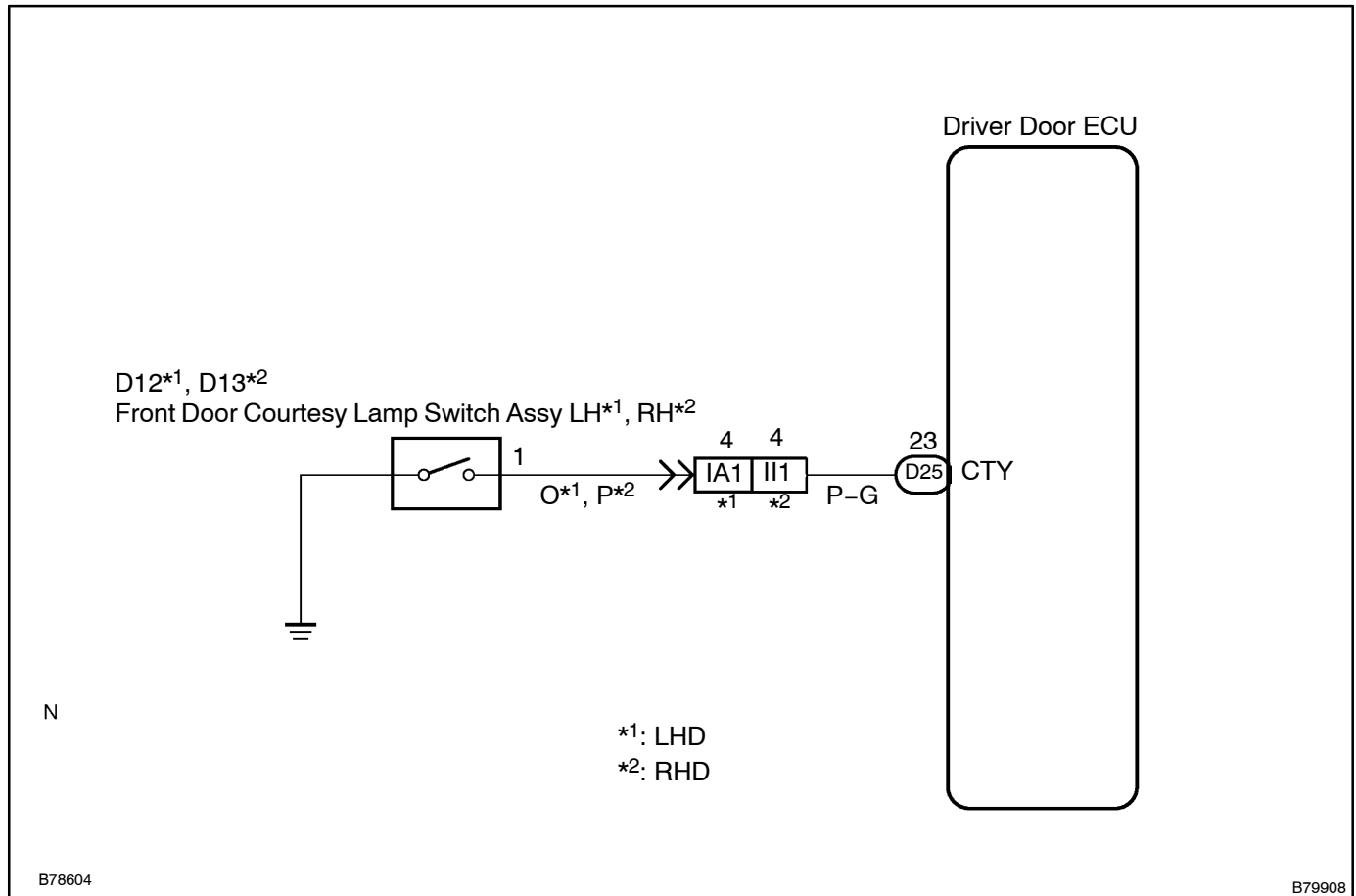
DOOR COURTESY SWITCH CIRCUIT ON DRIVER SIDE DOOR

CIRCUIT DESCRIPTION

The door courtesy light goes on when the door is opened and goes off when 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

Driver Door ECU

D12*1, D13*2
Front Door Courtesy Lamp Switch Assy LH*1, RH*2

1

O*1, P*2

4   4
IA1 II1
*1   *2

P-G

23
D25   CTY

N

*1: LHD
*2: RHD

B78604

B79908

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 (Driver 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 LH

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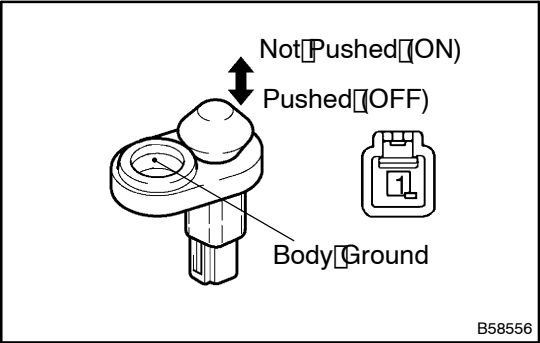
(a)   Remove the courtesy lamp switch.
(b)   Measure the resistance of the switch.
Standard:

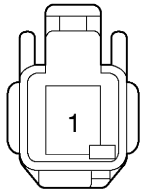| Tester Connection	Switch Position	Specified Condition
1 – Body ground	Not Pushed (ON)	Below 1 Ω
1 – Body ground	Pushed (OFF)	10 kΩ or higher

NG ⟩ **REPLACE FRONT DOOR COURTESY LAMP SWITCH ASSY LH**

OK

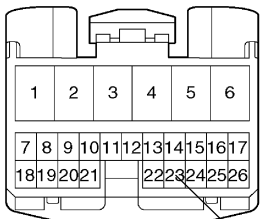| 3	CHECK WIRE HARNESS (FRONT DOOR COURTESY LAMP SWITCH ASSY LH – MULTIPLEX NETWORK BODY ECU (DRIVER DOOR ECU))

Wire Harness Side

D12*1, D13*2
Front Door Courtesy Lamp
Switch Assy LH*1, RH*2

B65420

*1: LHD
*2: RHD

D25
Multiplex Network Body ECU

CTY

T   B79703

(a) Disconnect the D12/D13 switch and D25 ECU connectors.

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

Standard:

Tester Connection	Specified Condition
D12*1/D13*2–1 – D25–23 (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)