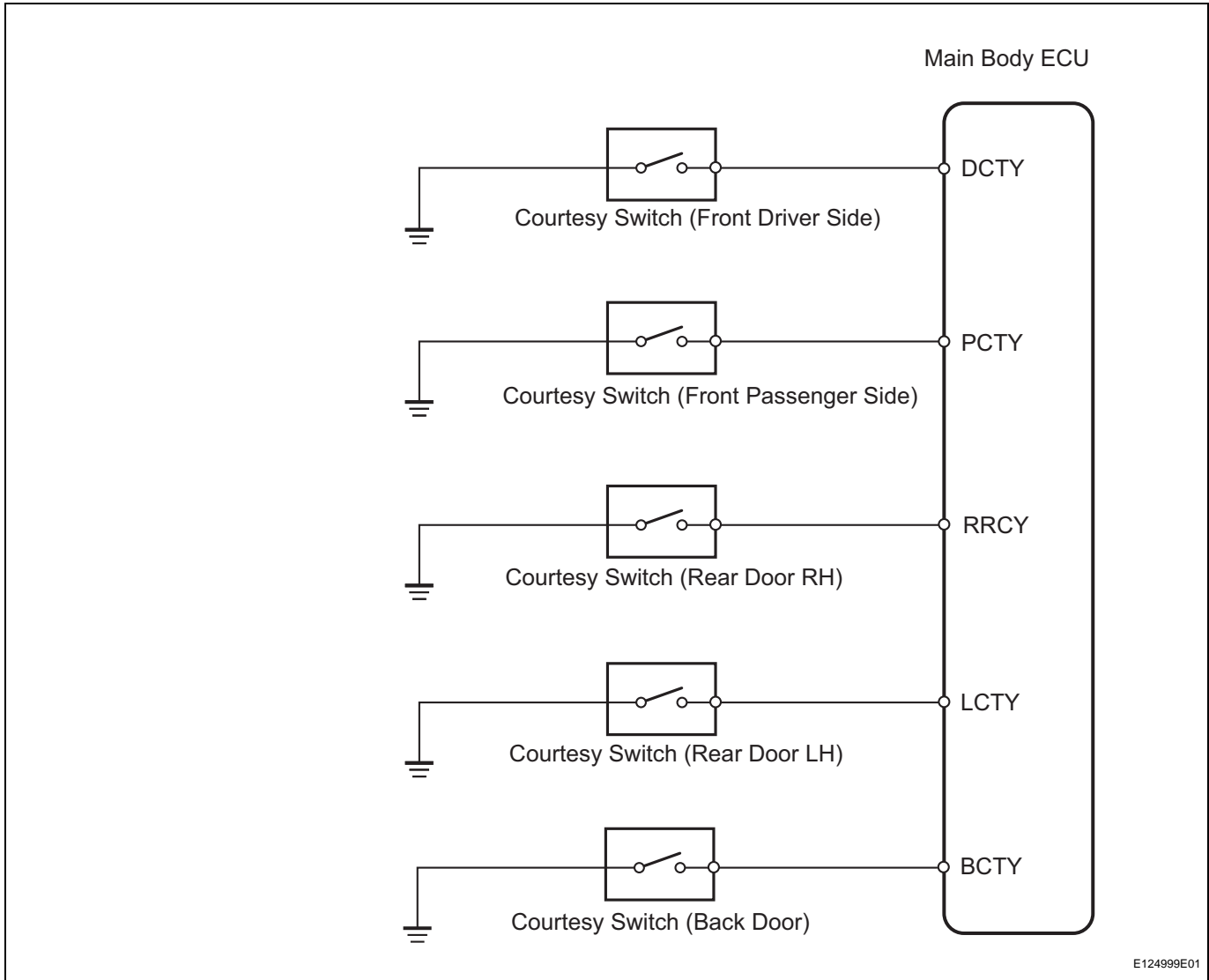


Door Courtesy Switch Circuit

DESCRIPTION

The main body ECU detects the condition of the door courtesy switch.

WIRING DIAGRAM



INSPECTION PROCEDURE

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

- (a) Connect the intelligent tester (with CAN VIM) to the DLC3.
- (b) Turn the ignition switch to the ON position and press the intelligent tester main switch ON.
- (c) Select the items below in the DATA LIST, and read the displays on the intelligent tester.

Main body ECU

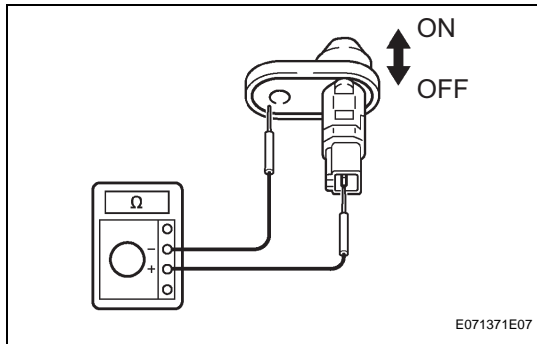
Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
D DOR CTY SW	Driver's door courtesy switch signal/ON or OFF	ON: Driver side door is open OFF: Driver side door is closed	-
P DOR CYT SW	Passenger's door courtesy switch signal/ON or OFF	ON: Front passenger side door is open OFF: Front passenger door is closed	-
RR DOR CTY SW	Rear door courtesy switch signal/ON or OFF	ON: Rear right passenger side door is open OFF: Rear right passenger side door is closed	-
RL DOR CTY SW	Rear door courtesy switch signal/ON or OFF	ON: Rear left passenger side door is open OFF: Rear left passenger side door is closed	-
BK DOR CTY SW	Back door courtesy switch signal/ON or OFF	ON: Back door is open OFF: Back door is closed	-

OK:
Condition sign can be displayed.

OK → PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

NG

2 INSPECT COURTESY LIGHT SWITCH



- (a) Remove the door courtesy light switch.
- (b) Measure the resistance of the switch.

Standard resistance:

Front LH, Front RH, Rear LH, Rear RH, Back Door

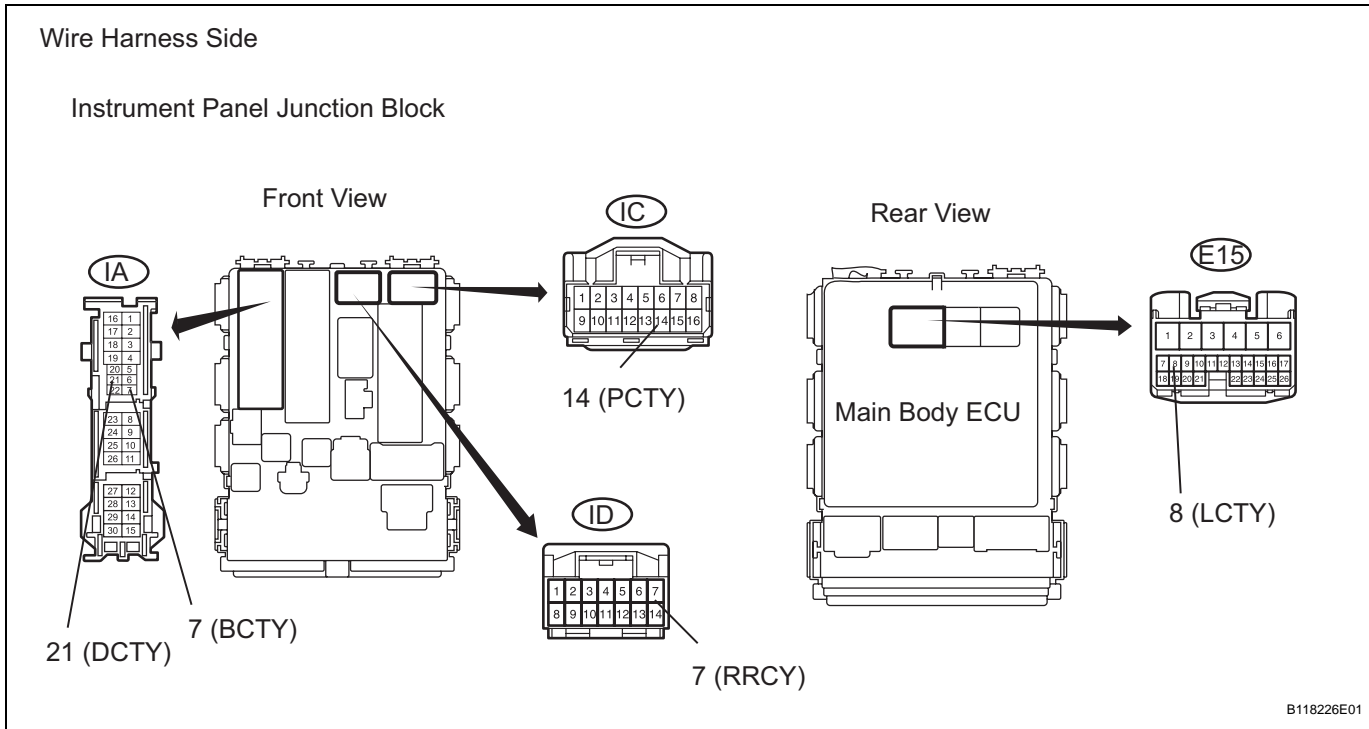
Tester Connection	Condition	Specified Condition
1 - Body ground	OFF	10 kΩ or higher
	ON	Below 1 Ω

NG → REPLACE DOOR COURTESY LIGHT SWITCH

OK



3 CHECK WIRE HARNESS (MAIN BODY ECU - COURTESY LIGHT SWITCH)



- (a) Connect the courtesy light switch.
- (b) Disconnect the IA, IC and ID instrument panel junction block connectors.
- (c) Disconnect the E15 main body ECU connector.
- (d) Measure the resistance of the wire harness side connectors.

Standard resistance:
Front door LH

Tester Connection	Condition	Specified Condition
IA-21 (DCTY) - Body ground	Front LH door is opened	Below 1 Ω
	Front LH door is closed	10 kΩ or higher

Front door RH

Tester Connection	Condition	Specified Condition
IC-14 (PCTY) - Body ground	Front RH door is opened	Below 1 Ω
	Front RH door is closed	10 kΩ or higher

Rear door RH

Tester Connection	Condition	Specified Condition
ID-7 (RRCY) - Body ground	Rear RH door is opened	Below 1 Ω
	Rear RH door is closed	10 kΩ or higher

Rear door LH

Tester Connection	Condition	Specified Condition
E15-8 (LCTY) - Body ground	Rear LH door is opened	Below 1 Ω
	Rear LH door is closed	10 kΩ or higher

Back door

Tester Connection	Condition	Specified Condition
IA-7 (BCTY) - Body ground	Back door is opened	Below 1 Ω
	Back door is closed	10 k Ω or higher

NG**REPAIR OR REPLACE HARNESS AND CONNECTOR****OK****REPLACE INSTRUMENT PANEL JUNCTION BLOCK (MAIN BODY ECU)**