Door Courtesy Switch Circuit
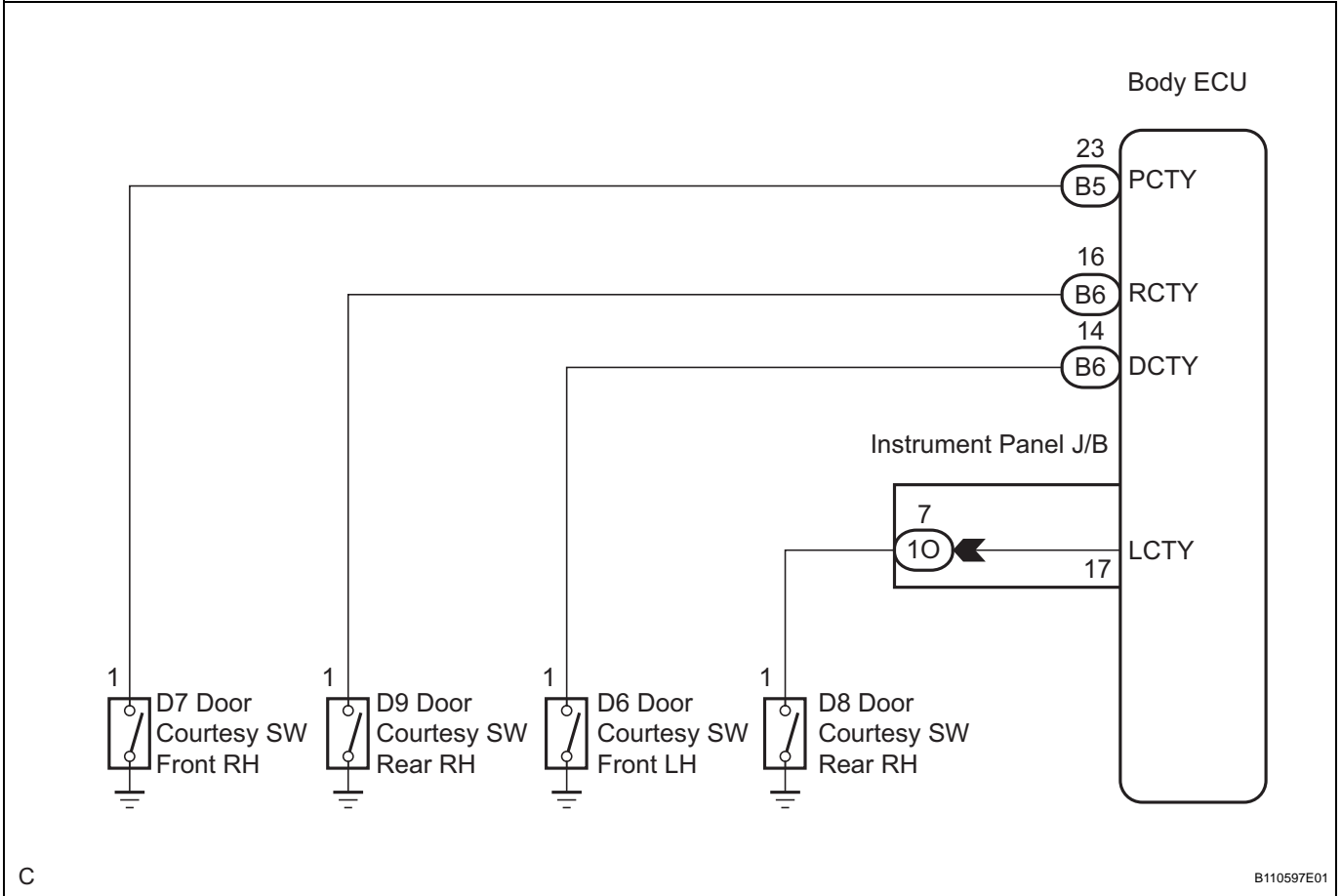
DESCRIPTION
The body ECU detects the condition of the door courtesy switch assembly.

WIRING DIAGRAM

LI

B110597E01

1	**READ VALUE OF INTELLIGENT TESTER**

(a) Connect the intelligent tester 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.

BODY

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
D DOR CTY SW	Driver's door courtesy SW signal/ ON or OFF OK	ON: Driver's door is open OFF: Driver's door is closed	-
P DOR CYT SW	Passenger's door courtesy SW signal/ON or OFF	ON: Front passenger door is open OFF: Front passenger door is closed	-

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Rr DOR CTY SW	Rear slide door courtesy SW signal/ON or OFF	ON: Either right or left rear door is open OFF: Both the right and left doors are closed	-

NG ▷ **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

2	**INSPECT COURTESY LIGHT SWITCH**

(a) Inspect front door courtesy switch (See page LI-235).
(b) Inspect rear door courtesy switch (See page LI-236).

**NG** ▷ **REPLACE COURTESY LIGHT SWITCH**

OK

LI

3	**CHECK HARNESS AND CONNECTOR (COURTESY LIGHT SWITCH - INSTRUMENT PANEL J/B ASSEMBLY)**

(a) Disconnect the 1O, B5 and B6 connectors from the instrument panel junction block assembly.
(b) Measure the resistance according to the value(s) in the table below.

Instrument Panel Junction Block Assembly Front Side Wire Harness View:
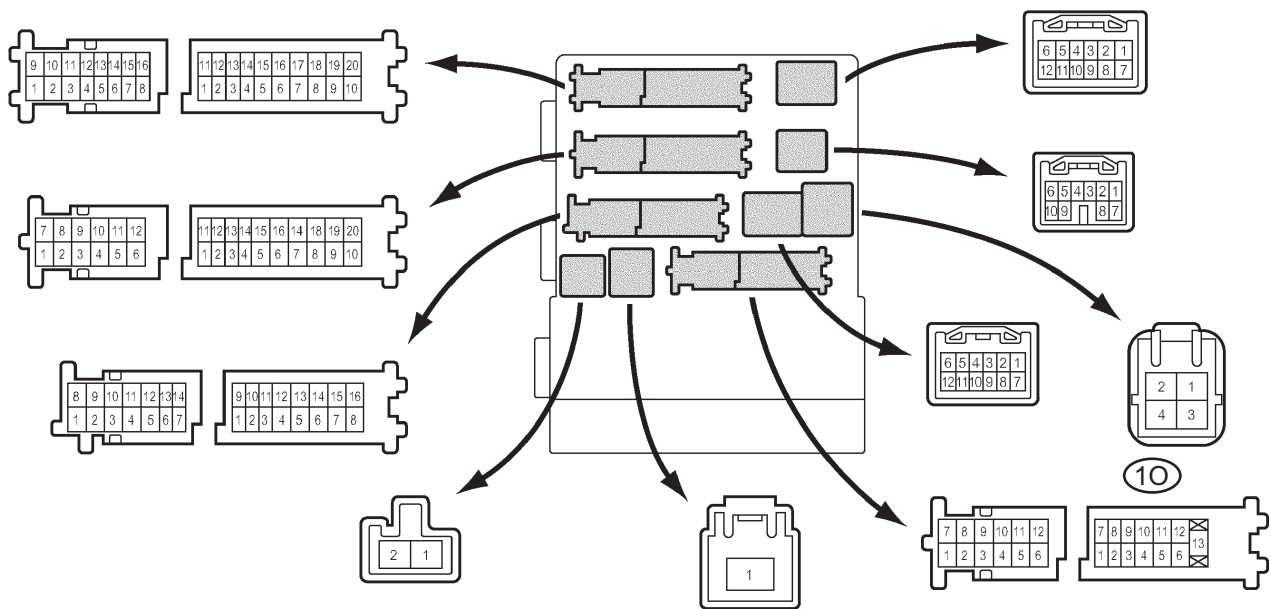
Multiplex Network Body ECU:

B5   B6

E111818E02

LI
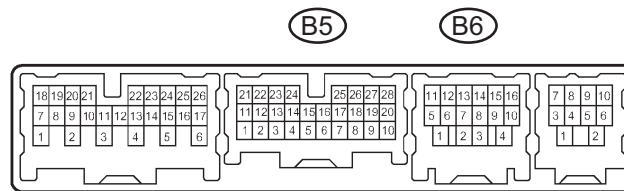
Resistance

Tester connection	Condition	Specified condition
B6-14 - Body ground	Front driver door is OPEN Front driver door is CLOSE	Below 1 Ω 10 kΩ or higher
B5-23 - Body ground	Front passenger door is OPEN Front passenger door is CLOSE	Below 1 Ω 10 kΩ or higher
1O-7 - Body ground	Rear LH door is OPEN Rear LH door is CLOSE	Below 1 Ω 10 kΩ or higher
B6-16 - Body ground	Rear RH door is OPEN Rear RH door is CLOSE	Below 1 Ω 10 kΩ or higher

NG ▷ **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE