Door Courtesy Switch Circuit

DESCRIPTION

The door courtesy switch turns ON when the door is opened and OFF when the door is closed.

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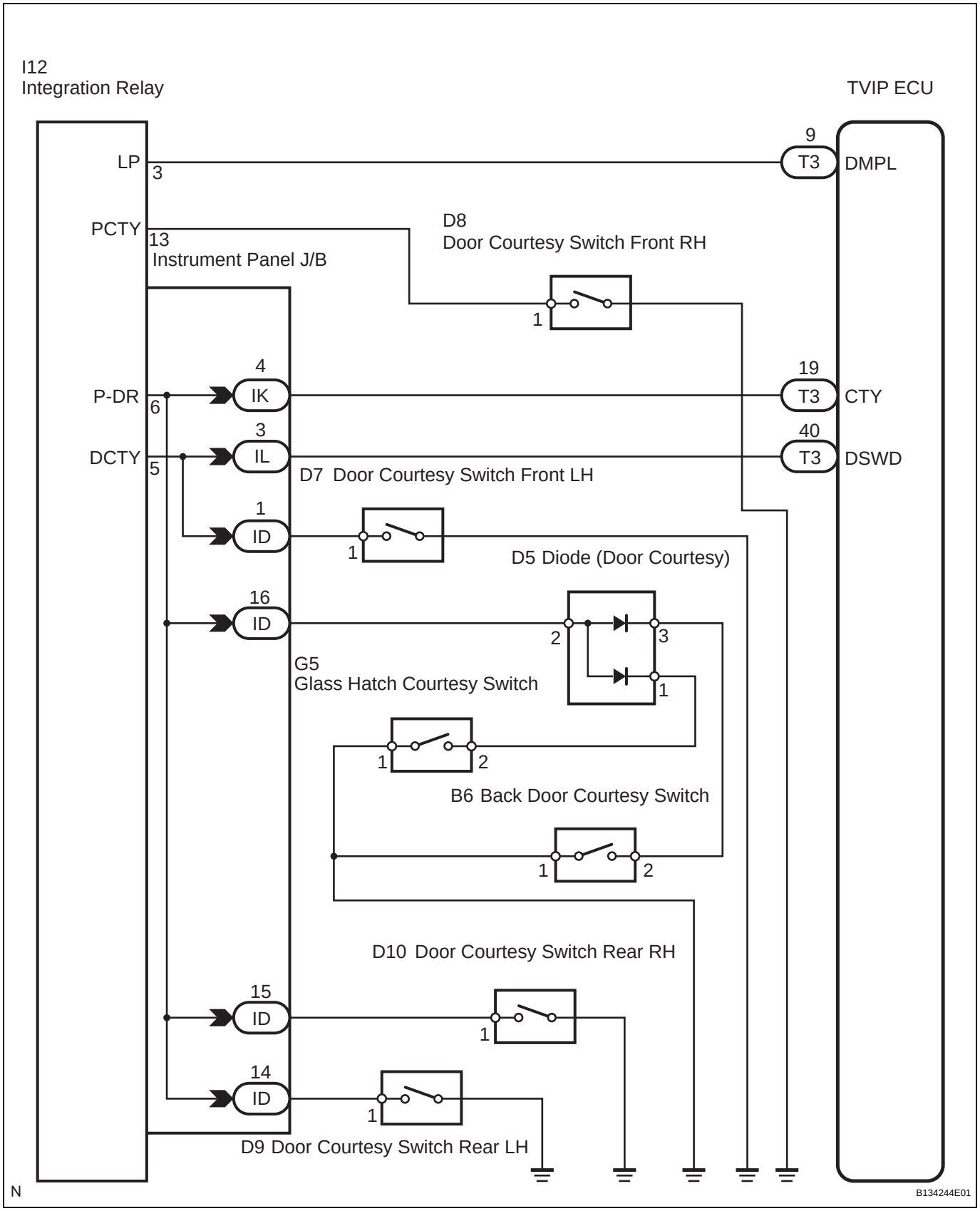
WIRING DIAGRAM



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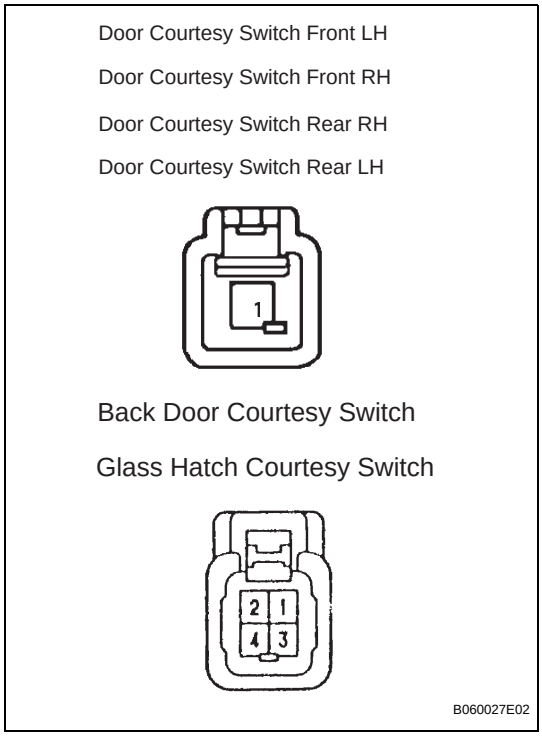
INSPECTION PROCEDURE

1 CHECK DOOR COURTESY LIGHT SWITCH ASSEMBLY



(a) Measure the resistance according to the value(s) in the table below.
Standard resistance :
(front LH / front RH / rear LH / rear RH)

Tester Connection	Switch Condition	Specified Condition
1 - Body ground	Pushed	Below 1 Ω
1 - Body ground	Not pushed	10 kΩ or higher

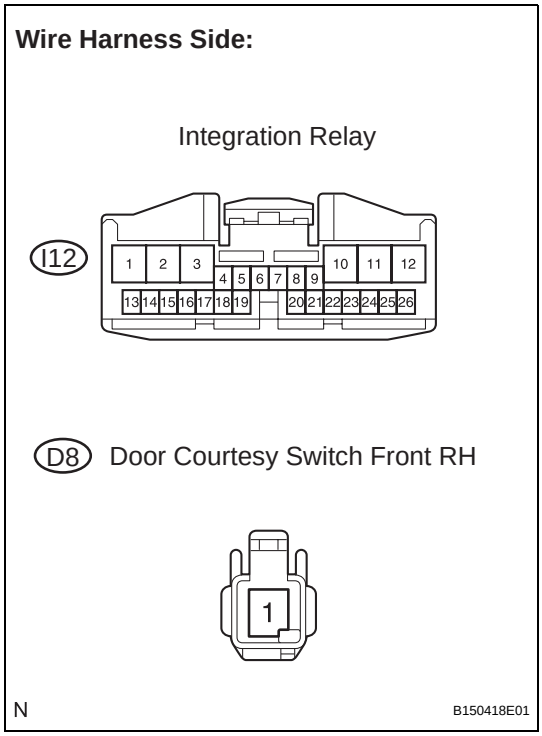
(glass hatch / back door)

Tester Connection	Door Lock Latch Position	Specified Condition
1 - 2	Open or half lock	Below 1 Ω
1 - 2	Closed	10 kΩ or higher
1 - Body ground	Always	Below 1 Ω

NG → **REPLACE DOOR COURTESY LIGHT SWITCH ASSEMBLY**

OK

2 CHECK HARNESS AND CONNECTOR (INTEGRATION RELAY - DOOR COURTESY SWITCH)



(a) Disconnect the integration relay and door courtesy connectors.
(b) Measure the resistance according to the value(s) in the table below.
Standard resistance

Tester Connection	Specified Condition
PCTY (I12-13) - (D8-1)	Below 1 Ω

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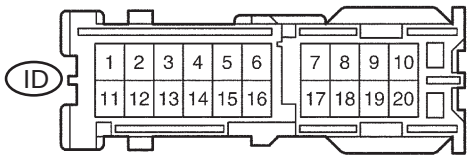
Wire Harness Side:

Integration Relay (Instrument Panel J/B)



D7 Door Courtesy Switch Front LH

D10 Door Courtesy Switch Rear RH

D9 Door Courtesy Switch Rear LH

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(c) Disconnect the integration relay and door courtesy connectors.

(d) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
ID-1 - D7-1	Below 1 Ω
ID-15 - D10-1	Below 1 Ω
ID-14 - D9-1	Below 1 Ω

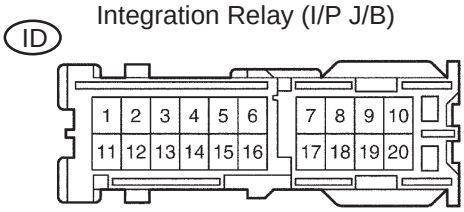
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

3 CHECK HARNESS AND CONNECTOR

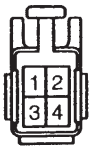
Wire Harness Side:

Integration Relay (I/P J/B)



B6 Back Door Courtesy Switch

G5 Glass Hatch Courtesy Switch



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(a) Disconnect the integration relay and door courtesy connectors.

(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
ID-16 - B6-2	Below 1 Ω
ID-16 - G5-2	Below 1 Ω

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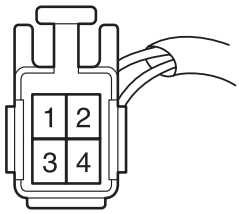
Wire Harness Side:

B6 Back Door Courtesy Switch

G5 Glass Hatch Courtesy Switch



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(c) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
B6-1 - Body ground	Below 1 Ω
G5-1 - Body ground	Below 1 Ω

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

OK

REPLACE TVIP ECU

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