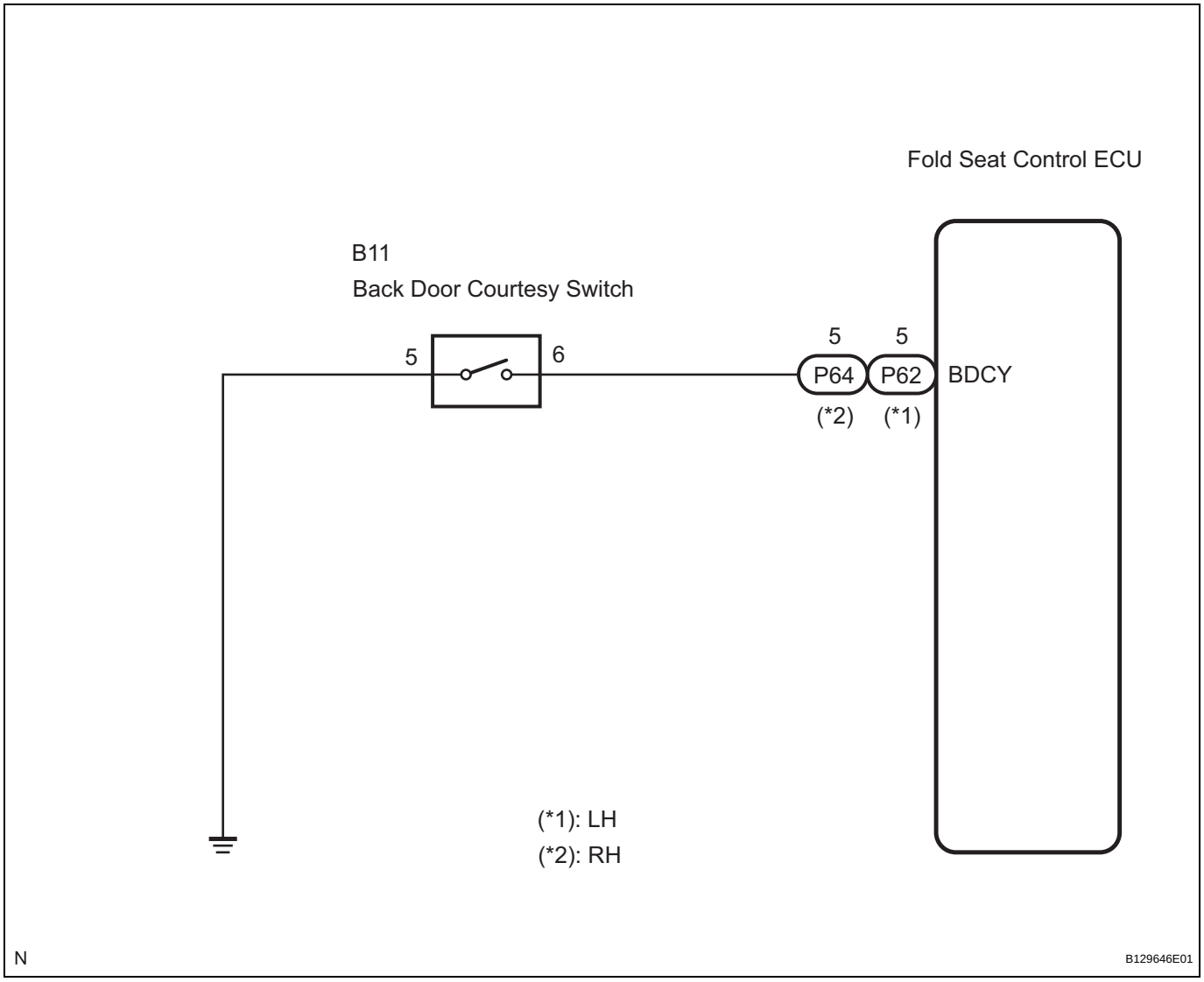
Back Door Courtesy Switch Circuit

DESCRIPTION

The fold seat control ECU receives signals from the back door courtesy switch and detects the state of the back door (open/close). If the ECU does not detect that the back door is open, the seat stowing and return functions are not available.

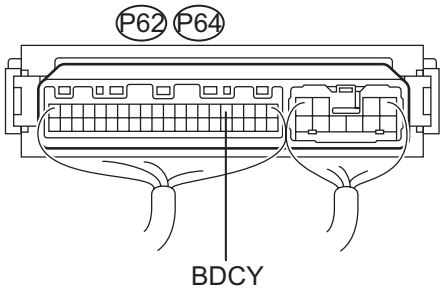
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT FOLD SEAT CONTROL ECU

Fold Seat Control ECU Connector Wire Harness View:



H B129650E02

(a) Remove the fold seat control ECU with connectors still connected.

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

Standard voltage

LH side

Tester Connection (Symbols)	Condition	Specified Condition
P62-5 (BDCY) - Body ground	Back door courtesy switch: OFF	10 to 14 V
P62-5 (BDCY) - Body ground	Back door courtesy switch: ON	Below 1 V

RH side

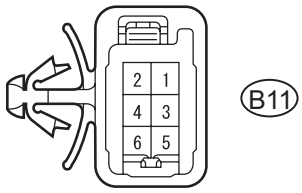
Tester Connection (Symbols)	Condition	Specified Condition
P64-5 (BDCY) - Body ground	Back door courtesy switch: OFF	10 to 14 V
P64-5 (BDCY) - Body ground	Back door courtesy switch: ON	Below 1 V

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

NG

2 INSPECT BACK DOOR COURTESY SWITCH

Back Door Courtesy Switch Connector Front View:



H B129656E01

(a) Disconnect the connector from the back door courtesy switch.

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

Standard resistance

Tester Connection	Condition	Specified Condition
B11-6 - B11-5	Back door courtesy switch: OFF	10 kΩ or higher
B11-6 - B11-5	Back door courtesy switch: ON	Below 1 Ω

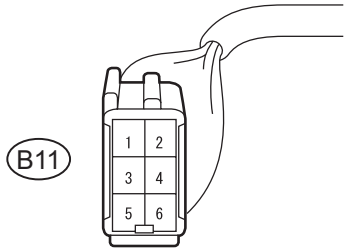
NG → **REPLACE BACK DOOR COURTESY SWITCH**

OK

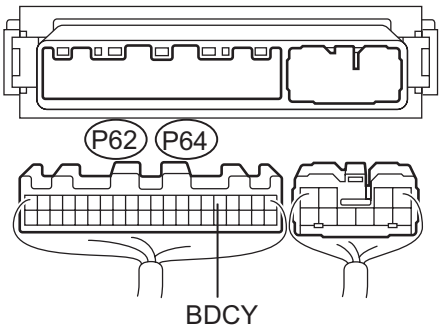
SE

3 CHECK HARNESS AND CONNECTOR (FOLD SEAT CONTROL ECU - BACK DOOR COURTESY SWITCH)

Back Door Courtesy Switch Connector Front View:



Fold Seat Control ECU Connector Wire Harness View:



H

B129666E01

(a) Disconnect the connectors from the fold seat control ECU.

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

Standard resistance

LH side

Tester Connection (Symbols)	Condition	Specified Condition
P62-5 (BDCY) - B11-6	Always	Below 1 Ω
P62-5 (BDCY) - Body ground	Always	10 kΩ or higher

RH side

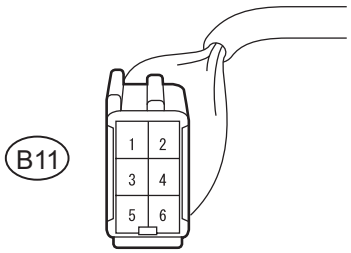
Tester Connection (Symbols)	Condition	Specified Condition
P64-5 (BDCY) - B11-6	Always	Below 1 Ω
P64-5 (BDCY) - Body ground	Always	10 kΩ or higher

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

OK

4 CHECK HARNESS AND CONNECTOR (BACK DOOR COURTESY SWITCH - BODY GROUND)

Back Door Courtesy Switch Connector Front View:



H

B129657E01

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

Standard resistance

Tester connection (Symbols)	Condition	Specified condition
B11-5 - Body ground	Always	Below 1 Ω

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

SE

OK

REPLACE FOLD SEAT CONTROL ECU