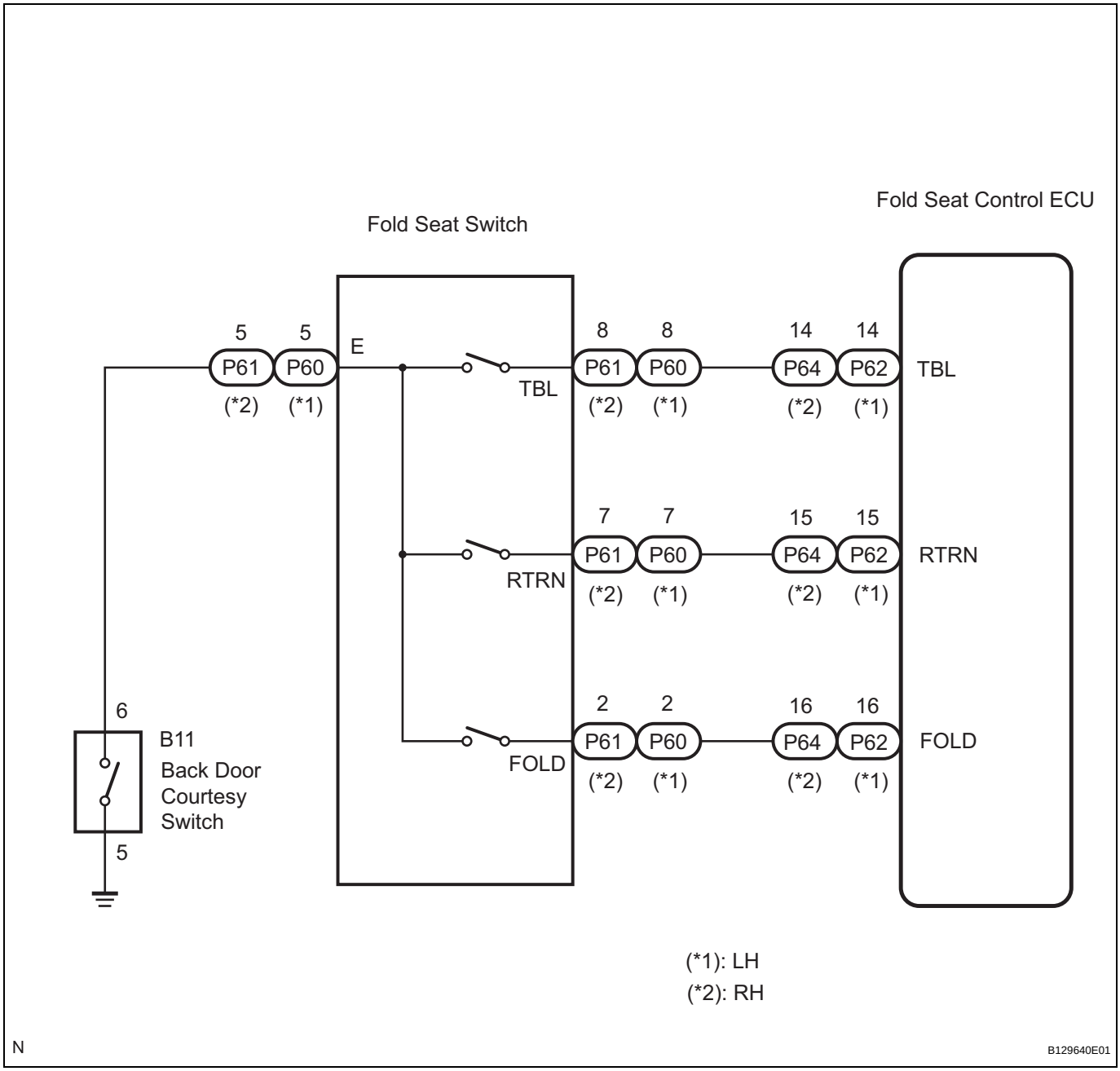
Fold Seat Switch Circuit

DESCRIPTION

When the fold seat switch is operated, a switch operation signal is sent to the fold seat control ECU. The ECU receives switch operation signals from each switch and activates the folding motor, reclining motor, and release actuator.

WIRING DIAGRAM



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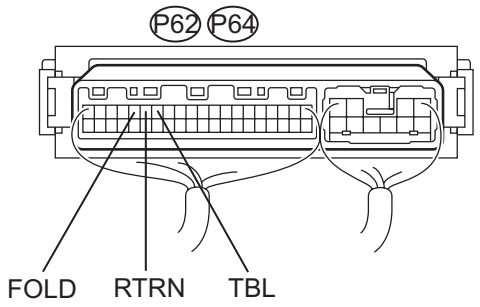
INSPECTION PROCEDURE

1	INSPECT FOLD SEAT CONTROL ECU

Fold Seat Control ECU Connector Wire Harness View:



(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
P62-14 (TBL) - Body ground	Fold seat switch: OFF	10 to 14 V
P62-14 (TBL) - Body ground	Fold seat switch: FOLDING Back door: OPEN	Below 1 V
P62-15 (RTRN) - Body ground	Fold seat switch: OFF	10 to 14 V
P62-15 (RTRN) - Body ground	Fold seat switch: RETURN Back door: OPEN	Below 1 V
P62-16 (FOLD) - Body ground	Fold seat switch: OFF	10 to 14 V
P62-16 (FOLD) - Body ground	Fold seat switch: STOWING Back door: OPEN	Below 1 V

RH side

Tester Connection (Symbols)	Condition	Specified Condition
P64-14 (TBL) - Body ground	Fold seat switch: OFF	10 to 14 V
P64-14 (TBL) - Body ground	Fold seat switch: FOLDING Back door: OPEN	Below 1 V
P64-15 (RTRN) - Body ground	Fold seat switch: OFF	10 to 14 V
P64-15 (RTRN) - Body ground	Fold seat switch: RETURN Back door: OPEN	Below 1 V
P64-16 (FOLD) - Body ground	Fold seat switch: OFF	10 to 14 V
P64-16 (FOLD) - Body ground	Fold seat switch: STOWING Back door: OPEN	Below 1 V

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

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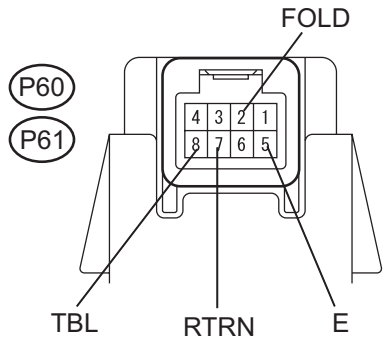
2	INSPECT FOLD SEAT SWITCH

(a) Remove the fold seat switch.

Fold Seat Switch
Connector Front View:



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(b) Disconnect the connector from the fold seat switch.
(c) Measure the resistance according to the value(s) in the table below.

Standard resistance:

LH side

Tester Connection (Symbols)	Condition	Specified Condition
P60-2 (FOLD) - P60-5 (E)	Fold seat switch: STOWING	Below 30 Ω
P60-7 (RTRN) - P60-5 (E)	Fold seat switch: RETURN	Below 30 Ω
P60-8 (TBL) - P60-5 (E)	Fold seat switch: FOLDING	Below 30 Ω

RH side

Tester Connection (Symbols)	Condition	Specified Condition
P61-2 (FOLD) - P61-5 (E)	Fold seat switch: STOWING	Below 30 Ω
P61-7 (RTRN) - P61-5 (E)	Fold seat switch: RETURN	Below 30 Ω
P61-8 (TBL) - P61-5 (E)	Fold seat switch: FOLDING	Below 30 Ω

NG → **REPLACE FOLD SEAT SWITCH**

OK

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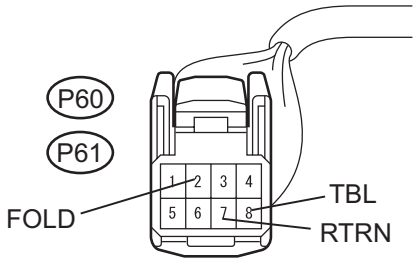
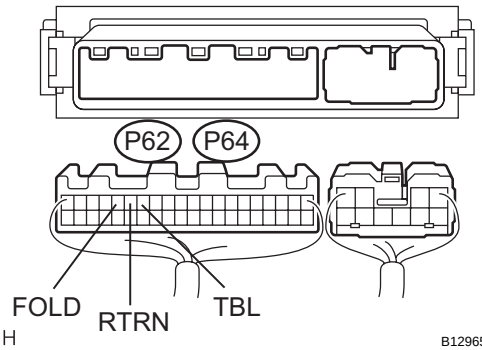
3	CHECK HARNESS AND CONNECTOR (FOLD SEAT SWITCH - FOLD SEAT CONTROL ECU)

Fold Seat Switch Connector Front View:



Fold Seat Control ECU Connector Wire Harness View:



(a) Disconnect the connector 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
P62-16 (FOLD) - P60-2 (FOLD)	Always	Below 1 Ω
P62-15 (RTRN) - P60-7 (RTRN)	Always	Below 1 Ω
P62-14 (TBL) - P60-8 (TBL)	Always	Below 1 Ω
P62-16 (FOLD) - Body ground	Always	10 kΩ or higher
P62-15 (RTRN) - Body ground	Always	10 kΩ or higher
P62-14 (TBL) - Body ground	Always	10 kΩ or higher

RH side

Tester Connection (Symbols)	Condition	Specified Condition
P64-16 (FOLD) - P61-2 (FOLD)	Always	Below 1 Ω
P64-15 (RTRN) - P61-7 (RTRN)	Always	Below 1 Ω
P64-14 (TBL) - P61-8 (TBL)	Always	Below 1 Ω
P64-16 (FOLD) - Body ground	Always	10 kΩ or higher
P64-15 (RTRN) - Body ground	Always	10 kΩ or higher
P64-14 (TBL) - Body ground	Always	10 kΩ or higher

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

OK

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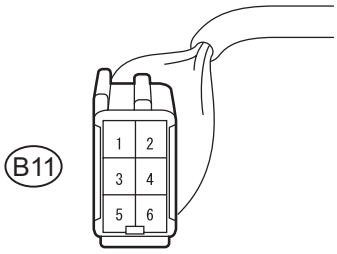
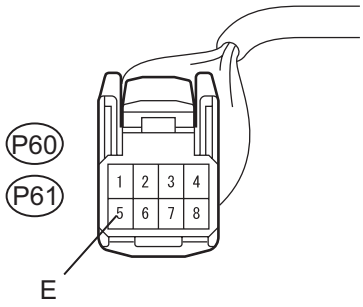
4 CHECK HARNESS AND CONNECTOR (BACK DOOR COURTESY SWITCH - FOLD SEAT SWITCH)

Back Door Courtesy Switch Connector Front View:



Fold Seat Switch Connector Front View:



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(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:

LH side

Tester Connection (Symbols)	Condition	Specified Condition
P60-5 (E) - B11-6	Always	Below 1 Ω
P60-5 (E) - Body ground	Always	10 kΩ or higher

RH side

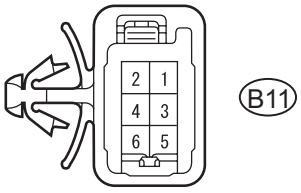
Tester Connection (Symbols)	Condition	Specified Condition
P61-5 (E) - B11-6	Always	Below 1 Ω
P61-5 (E) - Body ground	Always	10 kΩ or higher

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

OK

5 INSPECT BACK DOOR COURTESY SWITCH

Back Door Courtesy Switch Connector Front View:



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(a) 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: OPEN	10 kΩ or higher
B11-6 - B11-5	Back door: CLOSE	Below 1 Ω

NG → **REPLACE BACK DOOR COURTESY SWITCH**

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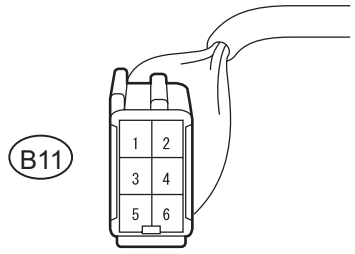
OK

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

Back Door Courtesy Switch Connector Front View:



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

Standard resistance

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

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

OK

REPLACE FOLD SEAT CONTROL ECU