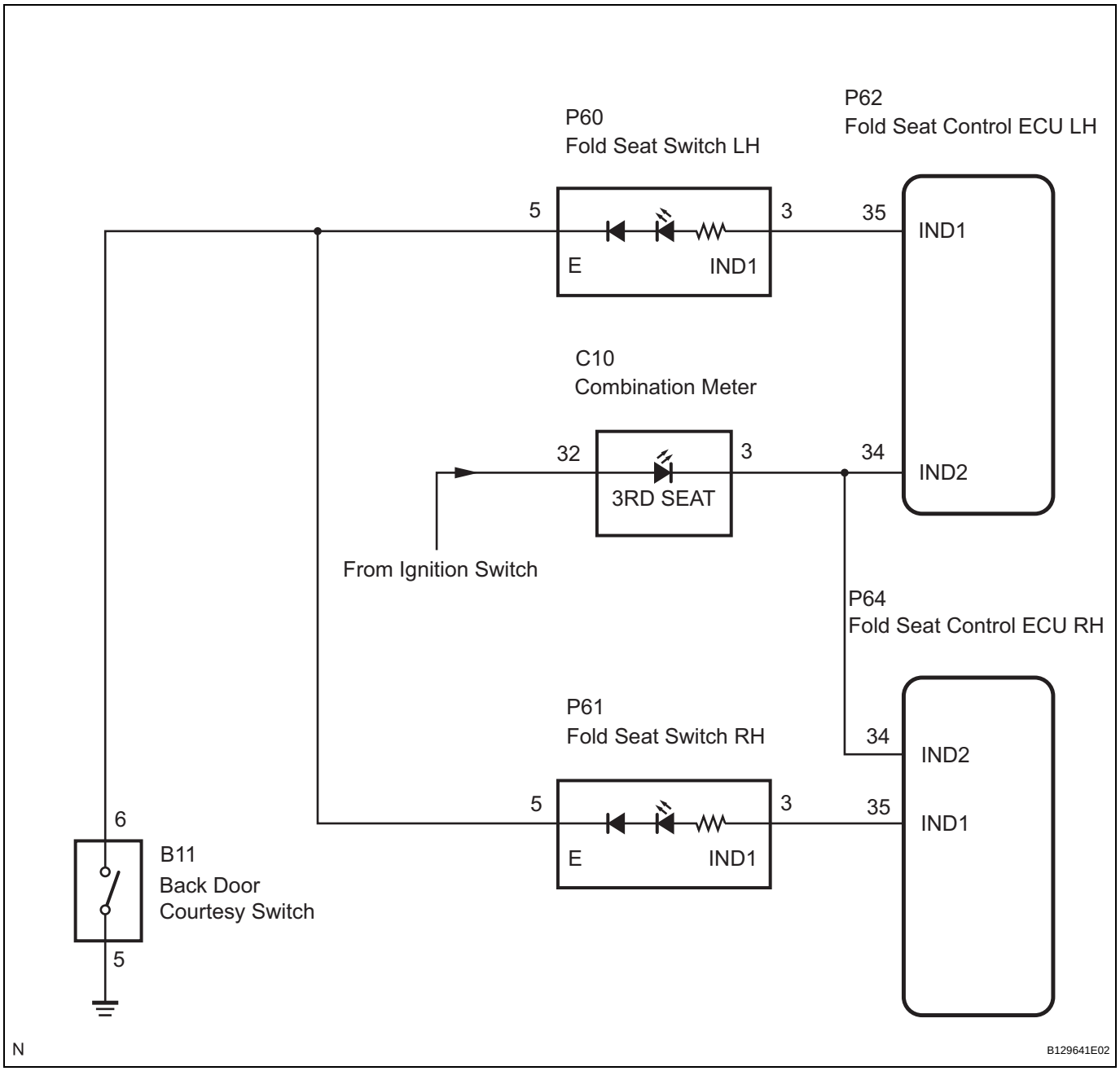
Indicator Circuit

DESCRIPTION

This system has two indicator lights. One of the indicator lights is built into the fold seat switch. This indicator light receives power from the fold seat control ECU. It comes on or blinks when the system detects that an object is caught or when the seat operation conditions are not met.
The other indicator light is on the combination meter. This indicator light comes on when the reclining motor or fold seat control ECU is not initialized, any seat legs are released, or when the seatback is outside the reclining operation range.

WIRING DIAGRAM



SE

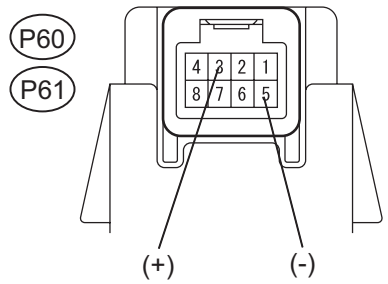
INSPECTION PROCEDURE

HINT:

- When the indicator light on the fold seat switch does not come on, start troubleshooting from step 1.
- When the indicator light on the combination meter does not come on, start troubleshooting from step 6.

1	INSPECT FOLD SEAT SWITCH

Fold Seat Switch
Connector Front View:



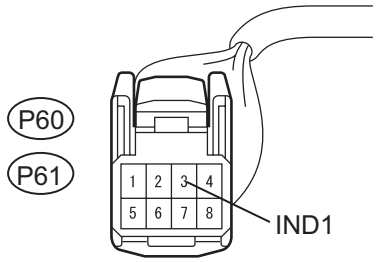
(a) Remove the fold seat switch.
(b) Disconnect the connector from the fold seat switch.
(c) Connect the positive (+) lead from the battery terminal 3 and negative (-) lead to terminal 5, and check that the indicator light comes on.
OK:
Indicator light comes on.

NG → **REPLACE FOLD SEAT SWITCH**

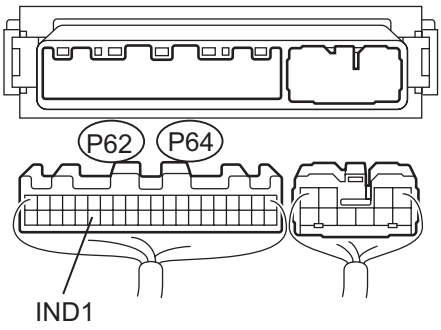
OK

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

Fold Seat Switch Connector Front View:



Fold Seat Control ECU Connector Wire Harness View:



H

B129654E01

(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
P62-35 (IND1) - P60-3 (IND1)	Always	Below 1 Ω
P62-35 (IND1) - Body ground	Always	10 kΩ or higher

RH side

Tester Connection (Symbols)	Condition	Specified Condition
P64-35 (IND1) - P61-3 (IND1)	Always	Below 1 Ω
P64-35 (IND1) - Body ground	Always	10 kΩ or higher

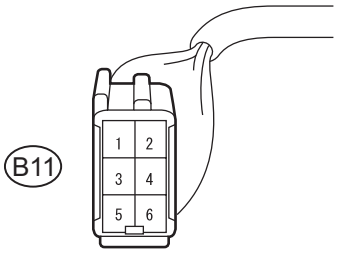
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

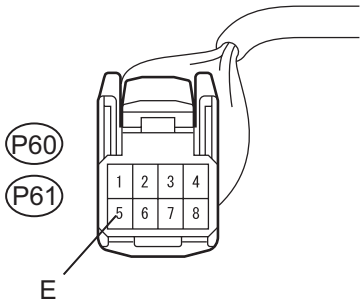
SE

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

Back Door Courtesy Switch Connector Front View:



Fold Seat Switch Connector Front View:



H

B129655E01

(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

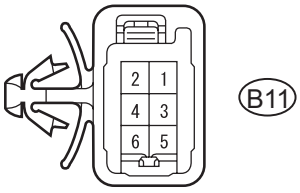
Tester Connection (Symbols)	Condition	Specified Condition
P61-5 (E) - B11-6	Always	Below 1 Ω
P61-5 (E) - Body ground	Always	10 kΩ or higher

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

OK

4	INSPECT BACK DOOR COURTESY SWITCH

Back Door Courtesy Switch Connector Front View:



H

B129656E01

(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 courtesy switch: OFF	10 kΩ or higher
B11-6 - B11-5	Back door courtesy switch: ON	Below 1 Ω

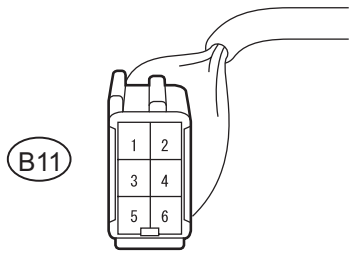
NG → **REPLACE BACK DOOR COURTESY SWITCH**

SE

OK

5	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	Condition	Specified Condition
B11-5 - Body ground	Always	Below 1 Ω

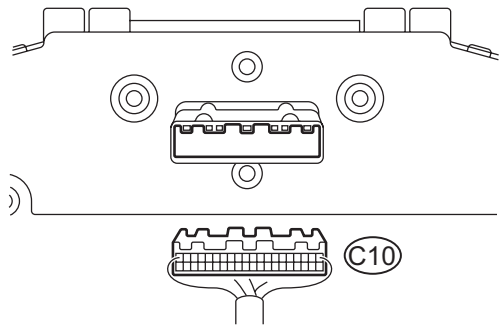
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

6	CHECK HARNESS AND CONNECTOR (COMBINATION METER - BATTERY)

Combination Meter Connector Wire Harness View:



H E118053E07

(a) Remove the combination meter.
(b) Disconnect the connector from the combination meter.
(c) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection	Condition	Specified Condition
C10-32 - Body ground	Ignition switch: OFF	Below 1 V
C10-32 - Body ground	Ignition switch: ON	10 to 14 V

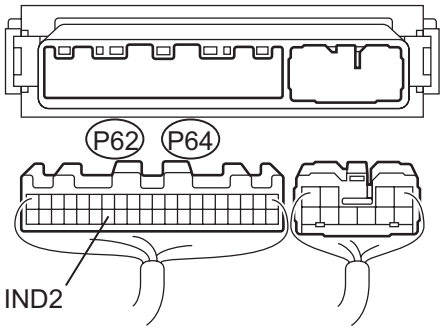
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

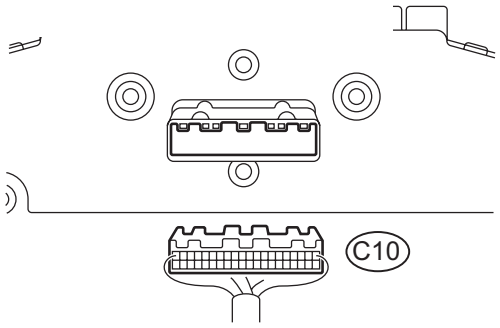
SE

7	CHECK HARNESS AND CONNECTOR (COMBINATION METER - FOLD SEAT CONTROL ECU)

Fold Seat Control ECU Connector Wire Harness View:



Combination Meter 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
C10-3 - P62-34 (IND2)	Always	Below 1 Ω
C10-3 - Body ground	Always	10 kΩ or higher

RH side

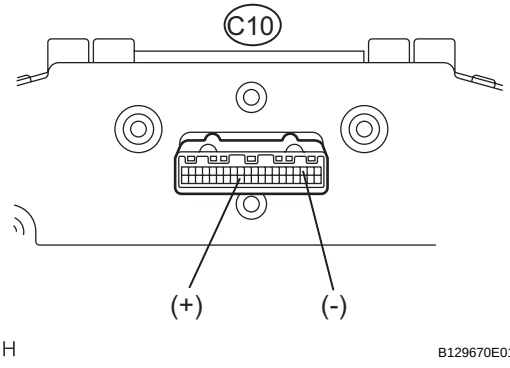
Tester Connection (Symbols)	Condition	Specified Condition
C10-3 - P64-34 (IND2)	Always	Below 1 Ω
C10-3 - Body ground	Always	10 kΩ or higher

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

OK

8	INSPECT COMBINATION METER (3rd SEAT INDICATOR LIGHT)

Combination Meter Connector Front View:



(a) Connect the positive (+) lead from the battery terminal 32 and negative (-) lead to terminal 3, and check that the indicator light comes on.

OK:

Indicator light comes on.

NG → **REPLACE COMBINATION METER**

SE

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE