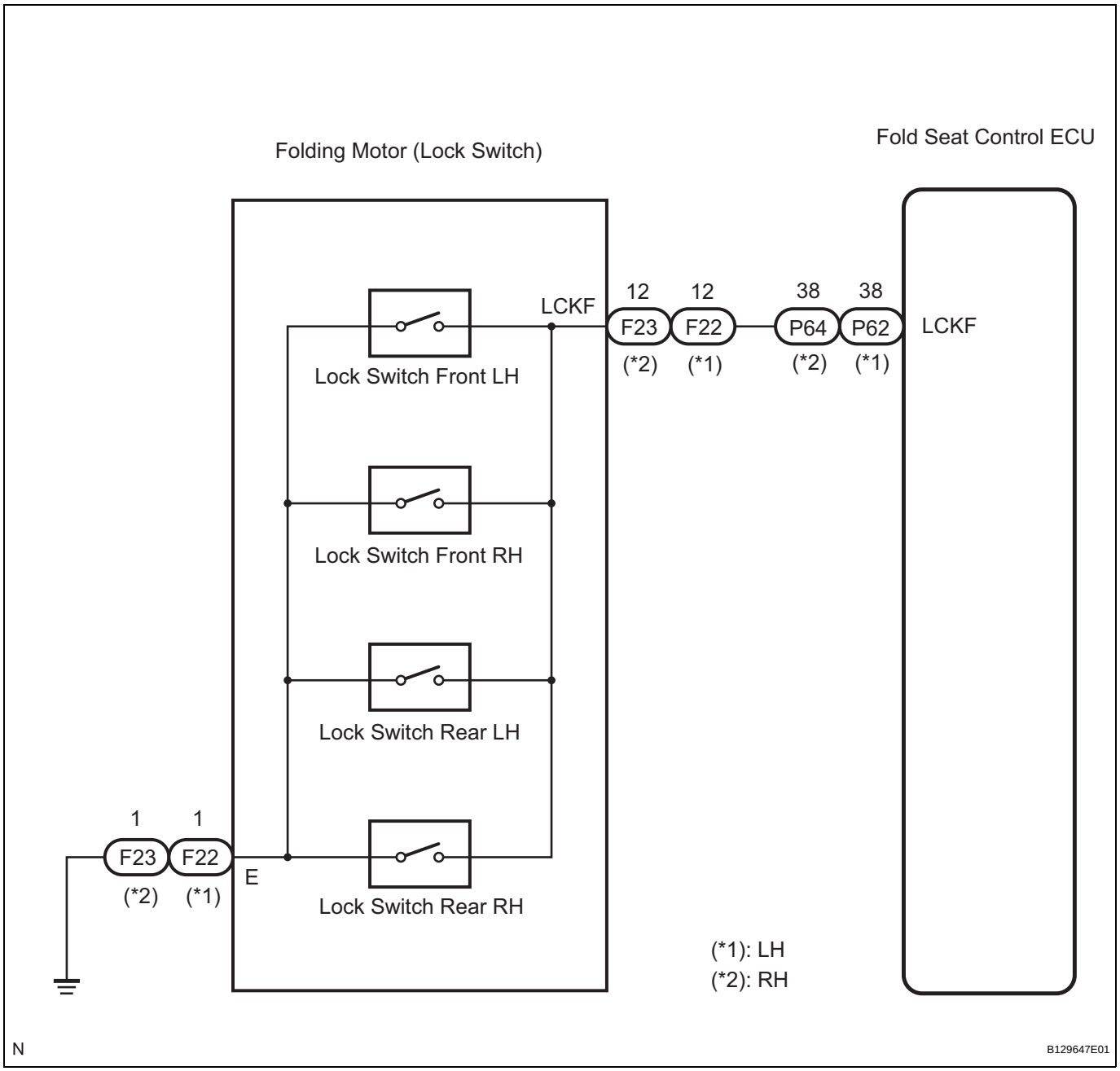
Lock Switch Circuit

DESCRIPTION

Each of the left and right seats has lock switches that detect the lock condition of the seat legs to the floor when the seat is in the original or folded-down state. If any of the lock switches detect an unlock condition, the 3rd SEAT indicator on the combination meter will come on and the folding-down, return, and reclining operations will be disabled.

WIRING DIAGRAM



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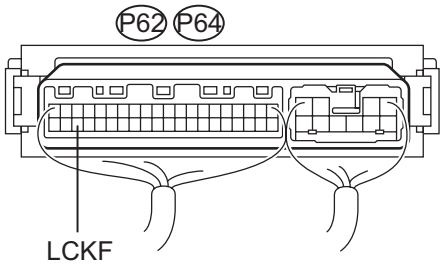
INSPECTION PROCEDURE

1	INSPECT FOLD SEAT CONTROL ECU

Fold Seat Control ECU Connector Wire Harness View:



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

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

Standard voltage

LH side

Tester connection (Symbol)	Condition	Specified condition
P62-38 (LCKF) - Body ground	Any of the lock switches: UNLOCK	Below 1 V
P62-38 (LCKF) - Body ground	All lock switches: LOCK	10 to 14 V

RH side

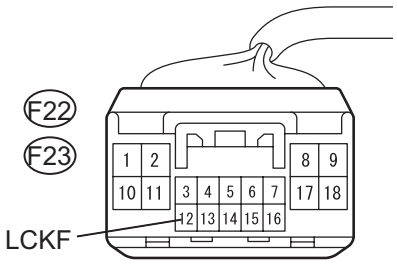
Tester connection (Symbol)	Condition	Specified condition
P64-38 (LCKF) - Body ground	Any of the lock switches: UNLOCK	Below 1 V
P64-38 (LCKF) - Body ground	All Lock switches: LOCK	10 to 14 V

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

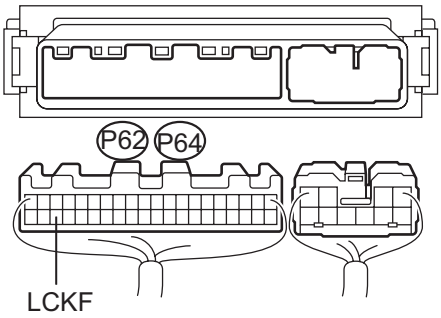
NG

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

Folding Motor Connector Front View:



Fold Seat Control ECU Connector Wire Harness View:



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

Standard resistance

LH side

Tester connection (Symbols)	Condition	Specified condition
P62-38 (LCKF) - F22-12 (LCKF)	Always	Below 1 Ω
P62-38 (LCKF) - Body ground	Always	10 kΩ or higher

RH side

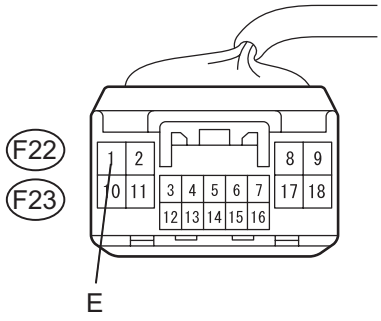
Tester connection (Symbols)	Condition	Specified condition
P64-38 (LCKF) - F23-12 (LCKF)	Always	Below 1 Ω
P64-38 (LCKF) - Body ground	Always	10 kΩ or higher

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

OK

3 CHECK HARNESS AND CONNECTOR (LOCK SWITCH - BODY GROUND)

Folding Motor Connector Front View:



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

Standard resistance

LH side

Tester connection (Symbols)	Condition	Specified condition
F22-1 (E) - Body ground	Always	Below 1 Ω

RH side

Tester connection (Symbols)	Condition	Specified condition
F23-1 (E) - Body ground	Always	Below 1 Ω

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

OK

SE

4	REPLACE LOCK SWITCH

HINT:
Since the lock switch cannot be inspected while it is removed from the vehicle, replace the lock switch with a normal one and check that the condition returns to normal.
OK:
Same problem does not occur.

OK → **END**

NG

REPLACE FOLD SEAT CONTROL ECU