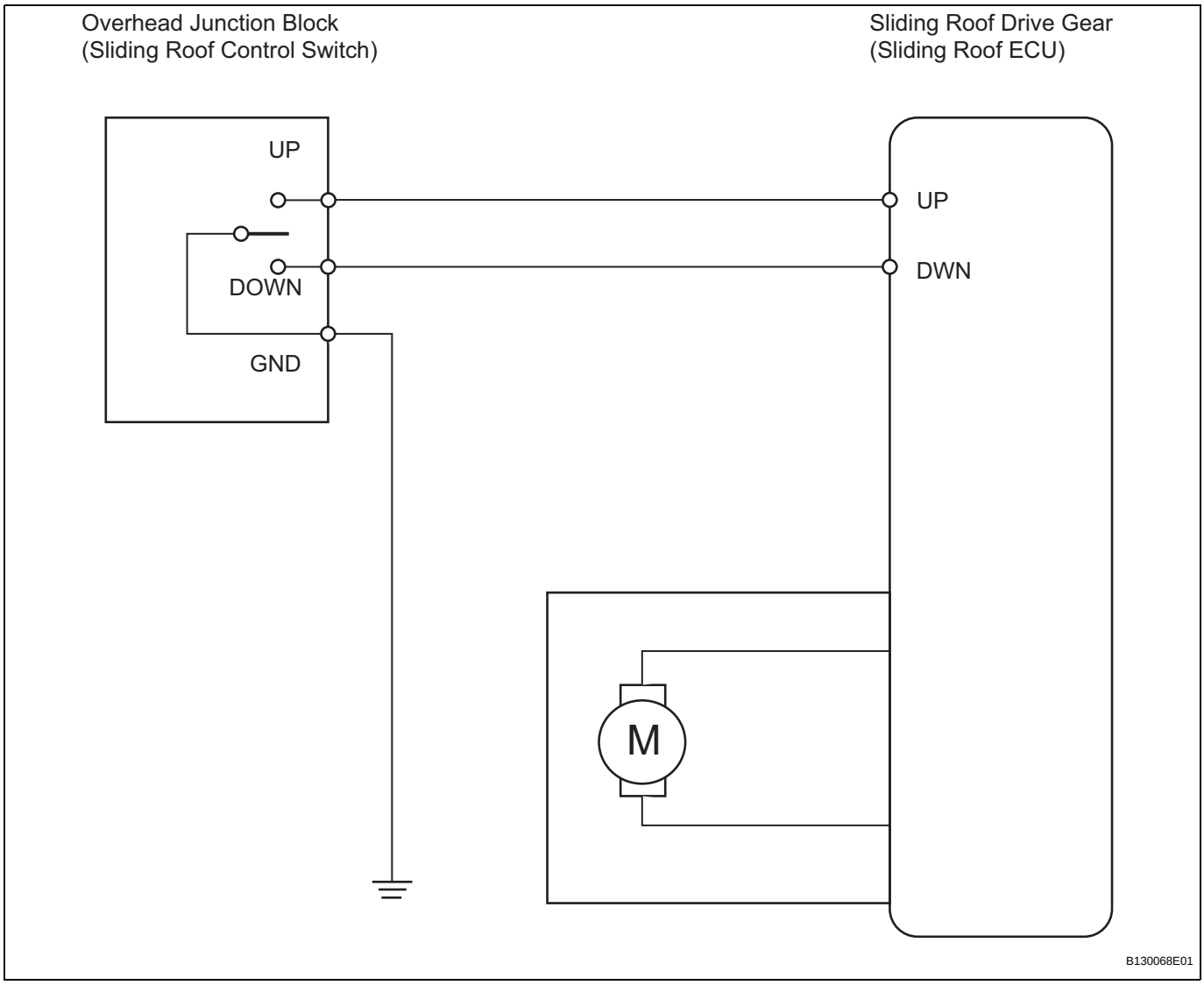
Sliding Roof Control Switch Circuit

DESCRIPTION

If either the sliding function or tilt function does not operate, there may be a malfunction in the sliding roof control switch circuit.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST BY INTELLIGENT TESTER (SLIDING ROOF OPERATION)

(a) Select the Active Test, use the intelligent tester to generate a control command, and then check that the sliding roof operates normally.

Sliding roof ECU

Item	Test Details	Diagnostic Note
SLIDE ROOF	Operate sliding roof OPN / DWN OPN / DWN: Sliding roof OPEN / DOWN operation occurs OFF: Sliding roof is not operating	-
SLIDE ROOF	Operate sliding roof CLS / UP CLS / UP: Sliding roof CLOSE / UP operation occurs OFF: Sliding roof is not operating	-

OK:

Sliding roof operates normally.

NG → **REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY**

OK

2	READ VALUE OF INTELLIGENT TESTER (SLIDING ROOF CONTROL SWITCH)

(a) Use the Data List to check if the sliding roof switch is functioning properly.

Sliding roof ECU

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
CLOSE SW	Slide switch close signal / ON or OFF	ON: TILT UP switch is pressed OFF: TILT UP switch is not pressed	-
OPEN SW	Slide switch open signal / ON or OFF	ON: SLIDE OPEN switch is pressed OFF: SLIDE OPEN switch is not pressed	-

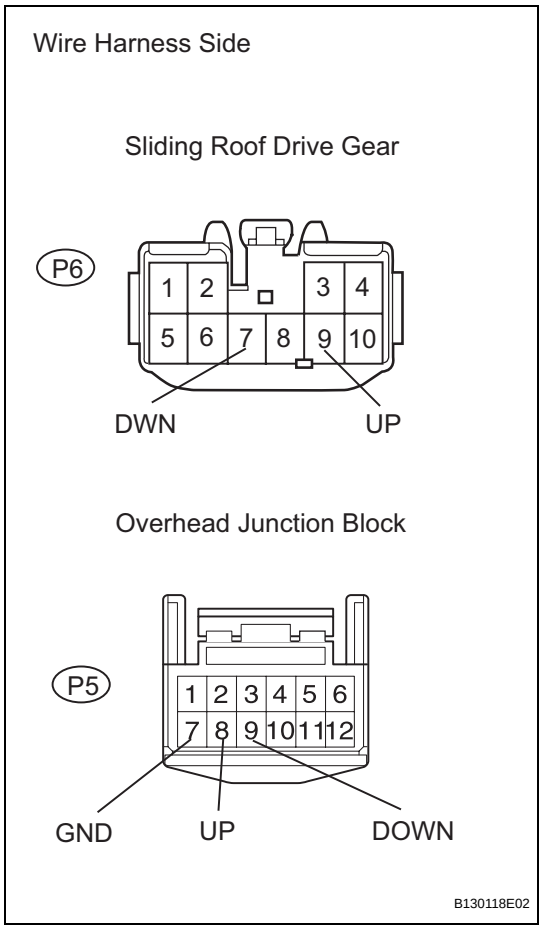
OK:

When the switch is operating, the intelligent tester should display as shown in the table.

OK → **REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY**

NG

3	**CHECK WIRE HARNESS (OVERHEAD JUNCTION BLOCK - DRIVE GEAR AND BODY GROUND)**



(a) Disconnect the P5 junction block connector.
(b) Disconnect the P6 drive gear connector.
(c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
P6-7 (DWN) - P5-9 (DOWN)	Below 1 Ω
P6-9 (UP) - P5-8 (UP)	Below 1 Ω
P5-7 (GND) - Body ground	Below 1 Ω

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

OK

REPLACE OVERHEAD JUNCTION BLOCK

RF