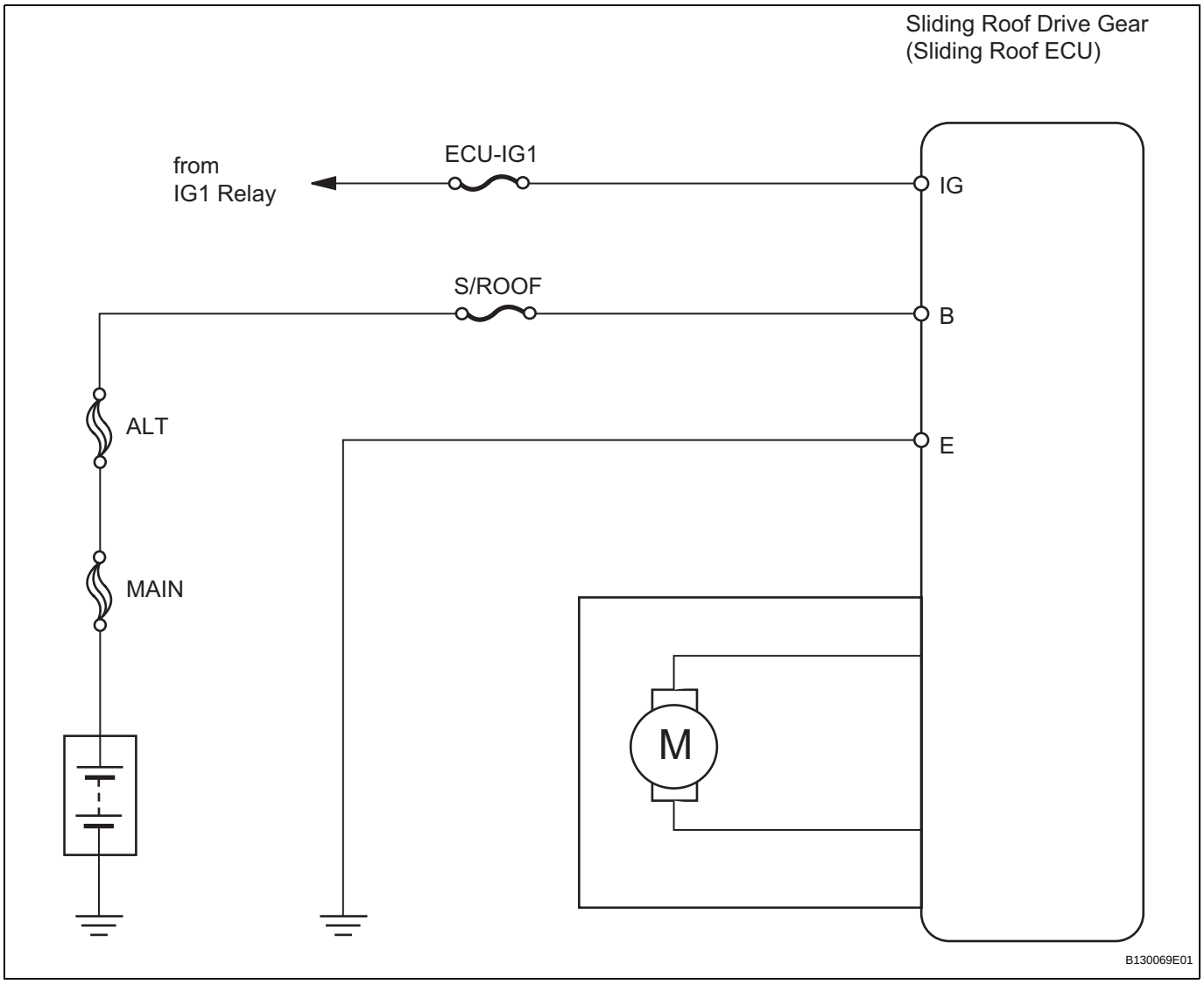
Sliding Roof ECU Power Source Circuit

DESCRIPTION

If the sliding function and tilt function do not operate, there may be a malfunction in the sliding roof ECU power source 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

RF

2 INSPECT FUSE (S/ROOF, ECU-IG1)

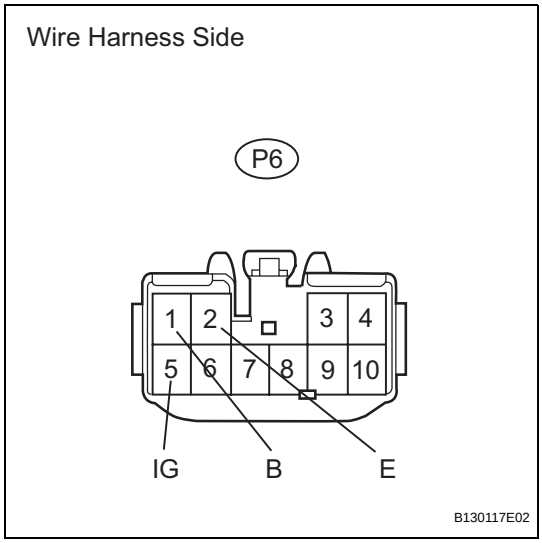
(a) Remove the S/ROOF and ECU-IG1 fuses from the instrument panel junction block.
(b) Measure the resistance of the fuses.

Standard resistance:
Below 1 Ω

NG → **REPLACE FUSE**

OK

3 CHECK WIRE HARNESS (SLIDING ROOF DRIVE GEAR - BODY GROUND)



(a) Disconnect the P6 drive gear connector.
(b) Measure the voltage and resistance of the wire harness side connector.

Standard voltage

Tester Connection	Condition	Specified Condition
P6-1 (B) - Body ground	Always	10 to 14 V
P6-5 (IG) - Body ground	Ignition switch OFF	Below 1 V
P6-5 (IG) - Body ground	Ignition switch ON	10 to 14 V

Standard resistance

Tester Connection	Specified Condition
P6-2 (E) - Body ground	Below 1 Ω

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

OK

REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY