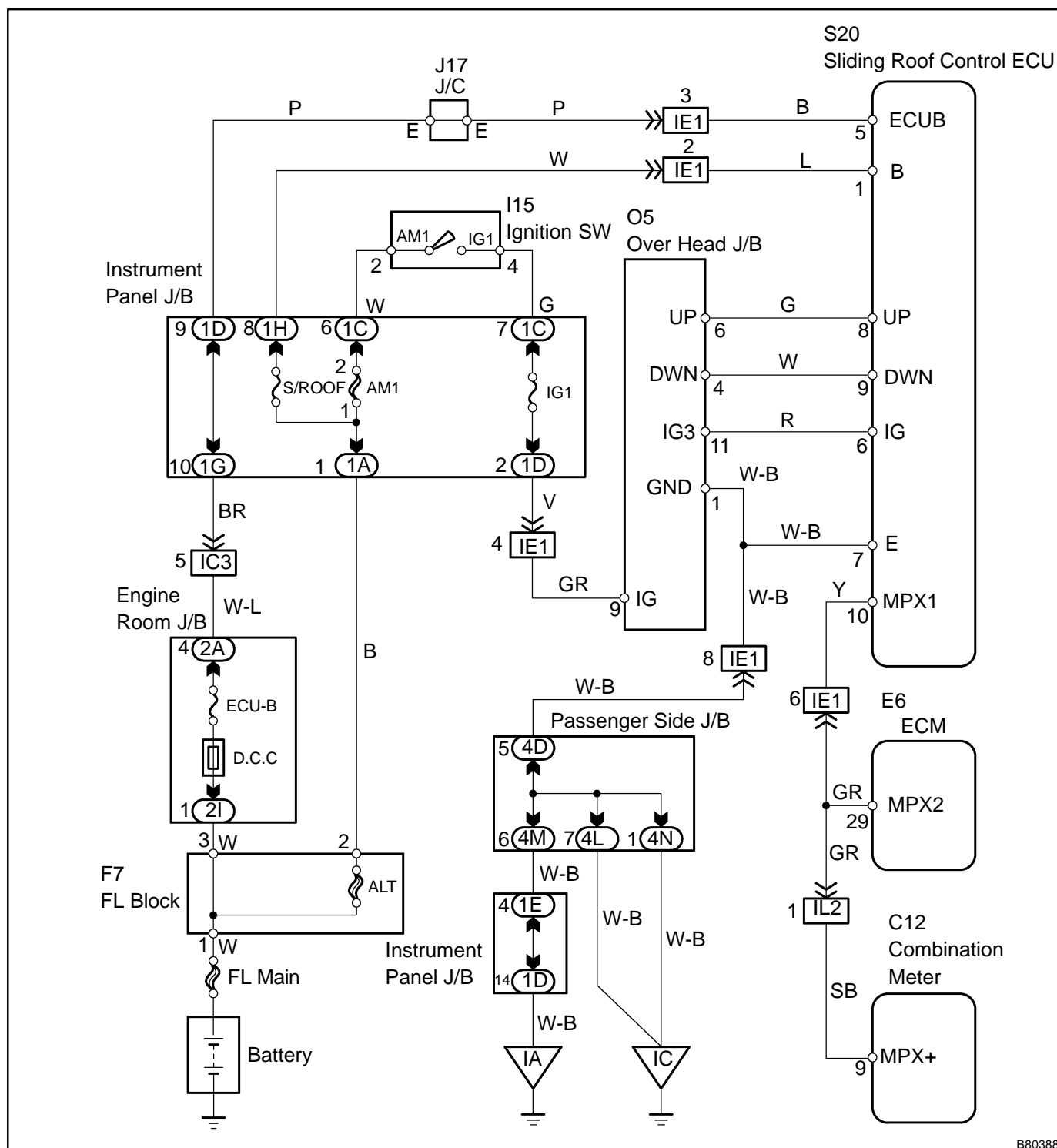


SLIDING ROOF DOES NOT MOVE BY SLIDING ROOF CONTROL SWITCH

CIRCUIT DESCRIPTION

The sliding roof drive gear sub-assy (sliding roof ECU) monitors a sliding roof motor switch signal in line, and the motor built in the sliding roof drive gear sub-assy (sliding roof ECU) is driven.

WIRING DIAGRAM



B80388

1 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester to the DLC3.
 (b) Enter into the DATA LIST of the hand-held tester.

Sliding Roof ECU

Item	Switch condition	Standard value
OPEN SW	Pressed → Unpressed	ON/OFF
CLOSE SW	Pressed → Unpressed	ON/OFF

NG**Go to step 4****OK****2 PERFORM ACTIVE TEST BY HAND-HELD TESTER**

- (a) Connect the hand-held tester to the DLC3.
 (b) Enter into the ACTIVE TEST of the hand-held tester.

Sliding Roof ECU

Item	Condition
Sliding Roof	CLOSE/UP
Sliding Roof	OPEN/DOWN

NG**Go to step 6****OK****3 READ VALUE OF HAND-HELD TESTER**

- (a) Connect the hand-held tester to the DLC3.
 (b) Enter into the DATA LIST of the hand-held tester.

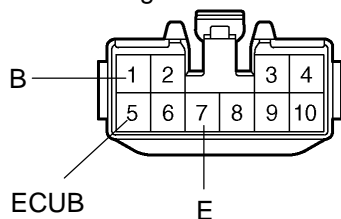
Sliding Roof ECU

Item	Switch condition	Standard value
Hall IC condition	Do sliding and tilting operation	ON/OFF

OK**REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSY****NG**

4 CHECK WIRE HARNESS

Wire Harness Side
S20
Sliding Roof Control ECU



B80389

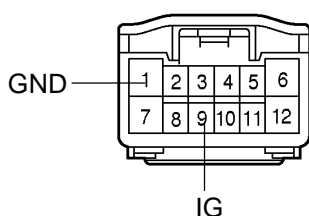
- (a) Disconnect the S20 roof drive gear connector.
- (b) Check the voltage or continuity between the terminals of the S20 roof drive gear wire harness side connector.

Standard:

Symbol (Terminal No.)	Condition	Specified condition
E (S20-7) ⇔ Body ground	Constant	Continuity
B (S20-1) ⇔ E (S20-7)	Constant	10 to 14 V
ECUB (S20-5) ⇔ E (S20-7)	Constant	10 to 14 V

Wire Harness Side

O5
Overhead J/B



B80390

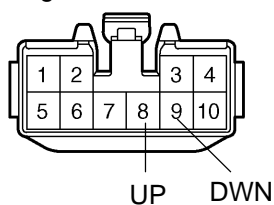
- (c) Disconnect the O5 overhead J/B connector.
- (d) Check the voltage or continuity between the terminals of the O5 overhead J/B wire harness side connector.

Standard:

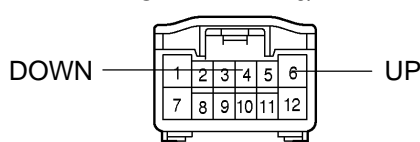
Symbol (Terminal No.)	condition	Specified condition
IG (O5-9) ⇔ GND (O5-1)	Ignition switch position OFF → ON	0V → 10V - 14V
GND (O5-1) ⇔ Body ground	Constant	Continuity

Wire Harness Side

S20
Sliding Roof Control ECU



O5
OVERHEAD J/B



B70473

- (e) Disconnect the O5 overhead J/B connector.
- (f) Check the continuity between the S20 drive gear and O5 overhead J/B wire harness side connectors.

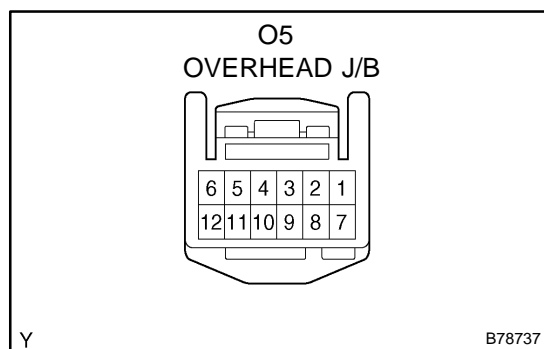
Standard:

Symbol (Terminal No.) (Drive gear ⇔ Motor switch)	Specified condition
UP (S20-8) ⇔ UP (O5-6)	Continuity
DWN (S20-9) ⇔ DOWN (O5-4)	Continuity
IG (S20-6) ⇔ IG3 (O5-11)	Continuity

NG

REPAIR OR REPLACE WIRE HARNESS

OK

5 INSPECT SLIDE ROOF MOTOR SWITCH

(a) Inspect the overhead J/B continuity.

Standard:

Terminal No.	Condition	Specified condition
1 ↔ 8	Slide open	Continuity
1 ↔ 9	Tilt up	Continuity

NG**REPLACE SLIDE ROOF MOTOR SWITCH****OK****REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSY****6 CHECK MOVEMENT OF SLIDING ROOF**

(a) Remove the sliding roof drive gear, then check that the sliding roof can be moved by hand.

NG**REPAIR OR REPLACE SLIDING ROOF****OK****REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSY**