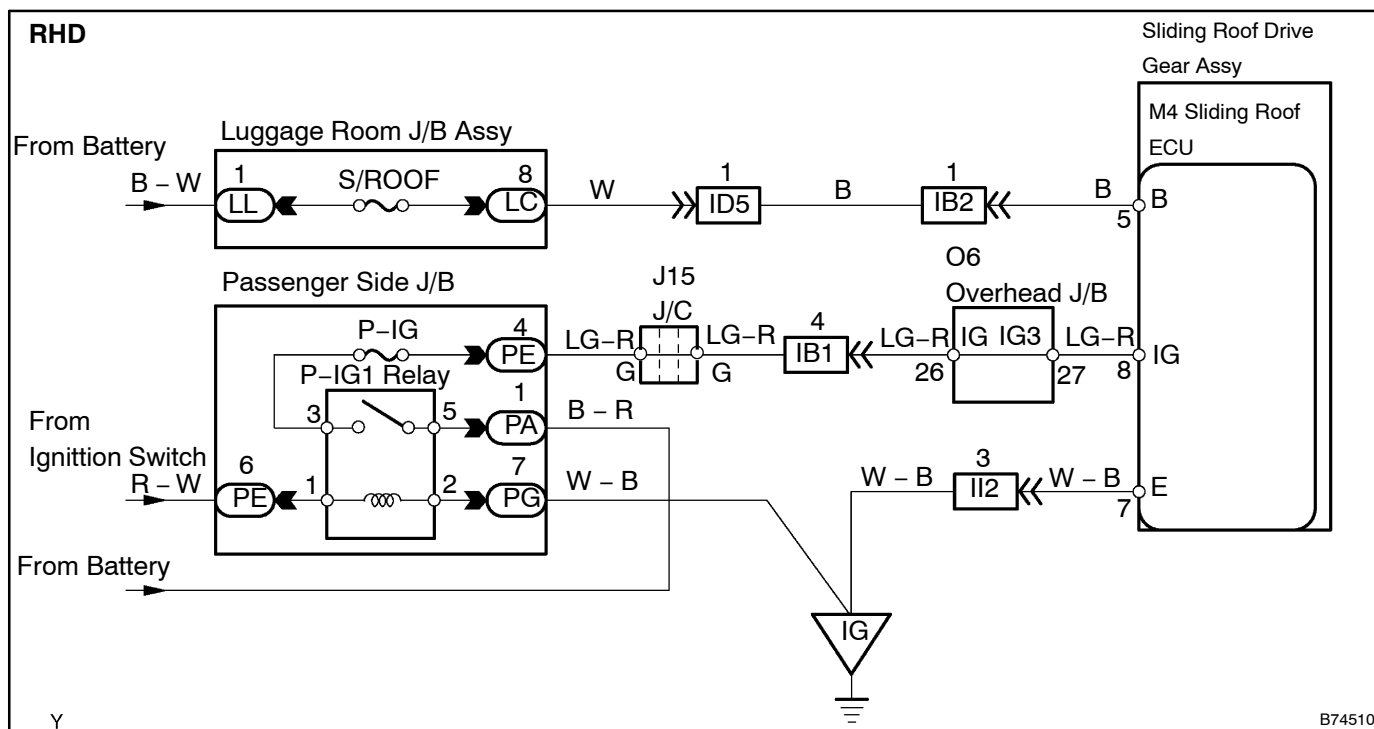
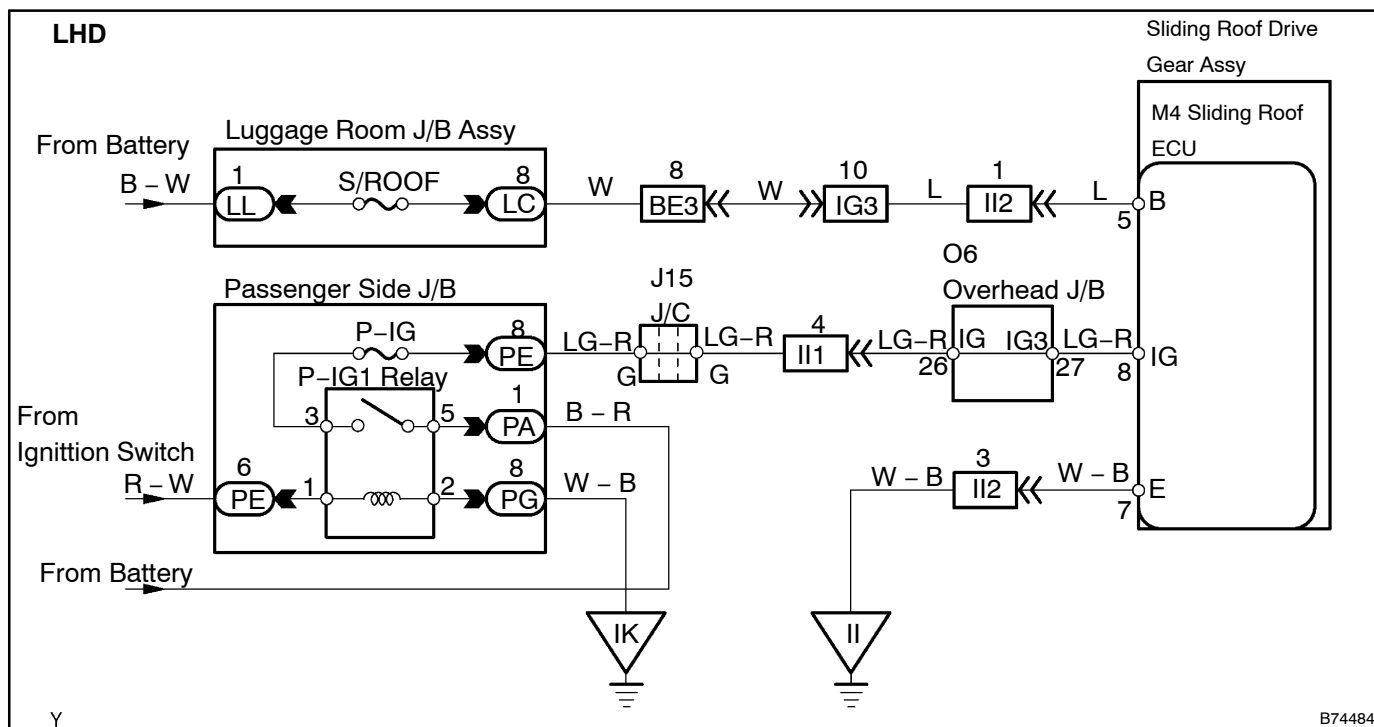


## SLIDING ROOF ECU POWER SOURCE CIRCUIT

### CIRCUIT DESCRIPTION

This circuit provides power to operate the sliding roof ECU.

### WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

- (a) Use the DATA LIST to check if the tilt switch and tilt & slide switch are functioning properly.

**Sliding roof ECU:**

Item	Test Details	Diagnostic Note
Slide Roof	Operate sliding roof CLOS/UP	-
Slide Roof	Operate sliding roof OPN/DWN	-

**OK:**

When CLOS/UP is selected on the tester, the sliding roof should close.

When OPN/DWN is selected on the tester, the sliding roof should open.

NG

Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE  
(See [page 05-2953](#))

### 2 INSPECT FUSE (P-J/B, S/ROOF)

- (a) Remove the P-J/B fuse from the passenger side J/B.  
(b) Remove the S/ROOF fuse from the luggage room J/B.  
(c) Measure the resistance.

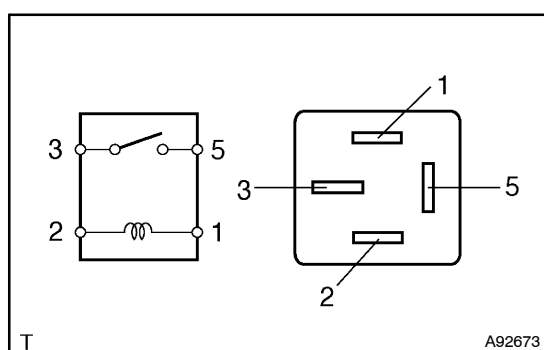
**Standard: Below 1  $\Omega$**

NG

REPLACE FUSE

OK

### 3 INSPECT RELAY (P-IG1)



- (a) Remove the P-IG1 relay from the passenger side J/B.  
(b) Measure the resistance.

**Standard:**

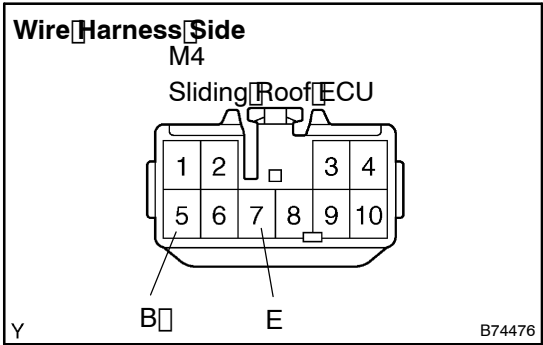
Tester Connection	Specified Condition
3-5	10 k $\Omega$ or higher
3-5	Below 1 $\Omega$ (when battery voltage is applied to terminals 1 and 2)

NG

REPLACE RELAY

OK

4 CHECK WIRE HARNESS (SLIDING ROOF ECU - BODY GROUND)



- (a) Disconnect the M4 ECU connector.
- (b) Measure the voltage and resistance of the wire harness side connector.

Standard:

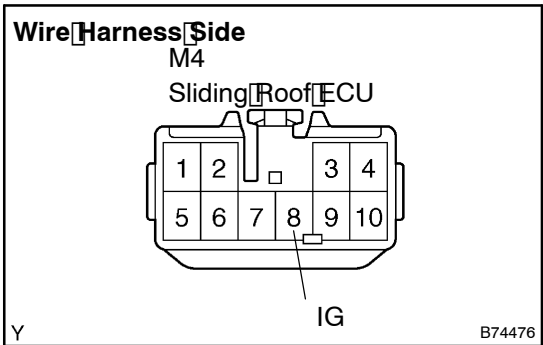
Test Connection	Specified Condition
M4-5 (B) - Body ground	10 to 14 V
M4-7 (E) - Body ground	Below 1 $\Omega$

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

5 CHECK WIRE HARNESS (SLIDING ROOF ECU - BODY GROUND)



- (a) Disconnect the M4 ECU connector.
- (b) Measure the voltage of the wire harness side connector.

Standard:

Tester Connection	Condition	Specified Connection
M4-8 (IG) - Body ground	Ignition switch ON	10 to 14 V

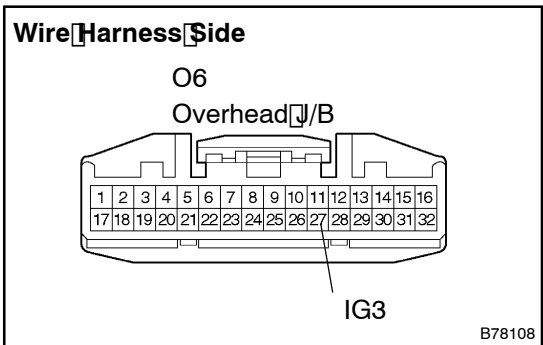
NG

Go to step 6

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE  
(See page 05-2953)

6 CHECK WIRE HARNESS (OVERHEAD J/B - BODY GROUND)



- (a) Disconnect the O6 J/B connector.
- (b) Measure the voltage of the wire harness side connector.

Standard:

Tester Connection	Condition	Specified Connection
O6-27 (IG3) - Body ground	Ignition switch ON	10 to 14 V

NG

Go to step 7

OK

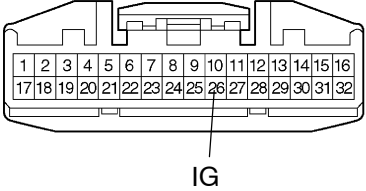
REPAIR OR REPLACE HARNESS AND CONNECTOR (OVERHEAD J/B - SLIDING ROOF ECU)

7

CHECK WIRE HARNESS (OVERHEAD J/B - BODY GROUND)

Wire Harness Side

O6  
Overhead J/B



B78108

- (a) Disconnect the O6 J/B connector.
- (b) Measure the voltage of the wire harness side connector.

Standard:

Tester Connection	Condition	Specified Connection
O6-26 (IG) - Body ground	Ignition switch ON	10 to 14 V

NG

REPAIR OR REPLACE HARNESS AND CON-  
NECTOR

OK

REPLACE OVERHEAD J/B