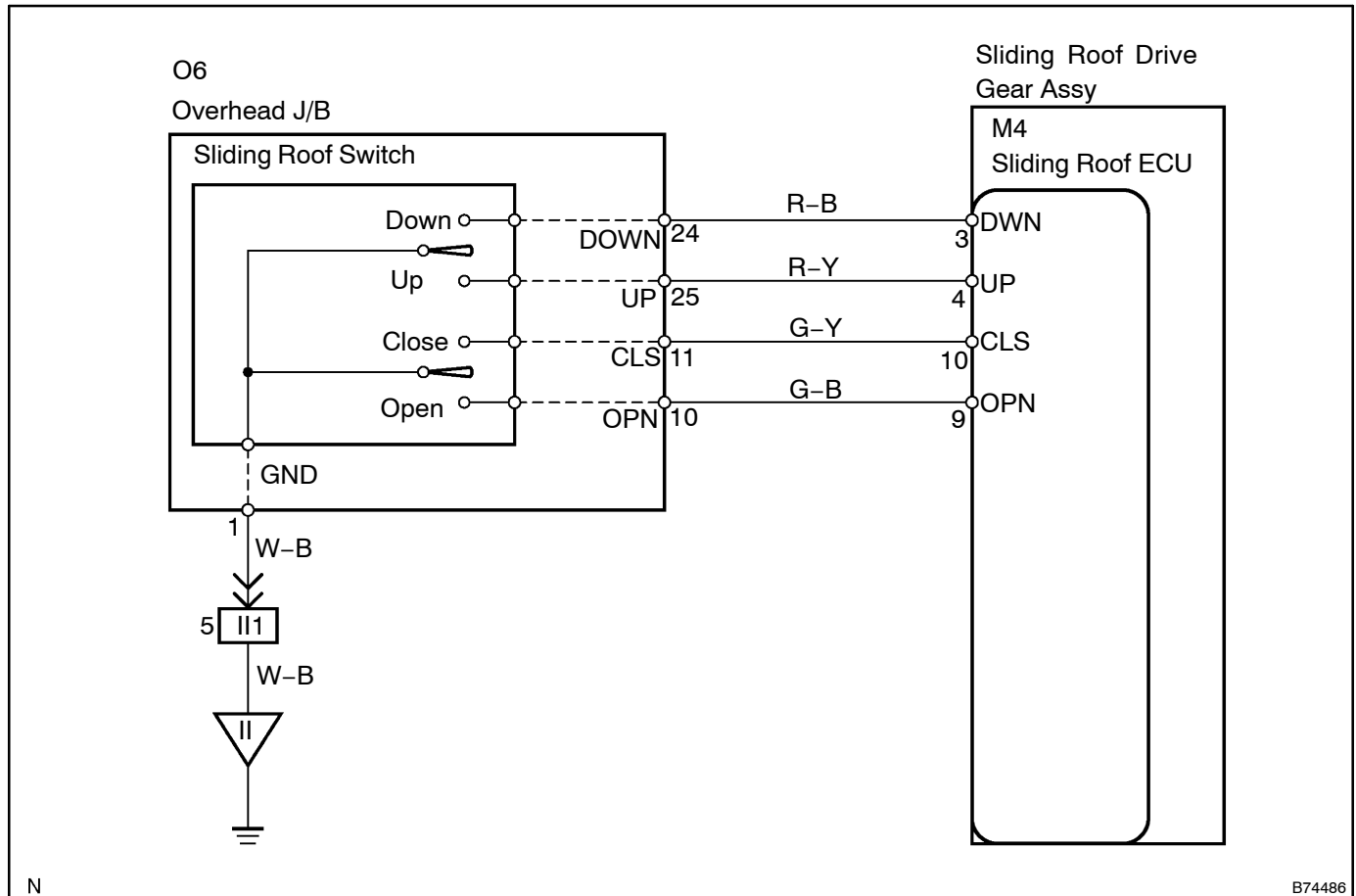


## SLIDING ROOF CONTROL SWITCH CIRCUIT

### CIRCUIT DESCRIPTION

Pressing the sliding roof switch sends a control signal to the overhead J/B, which outputs this signal to the sliding roof ECU. The sliding roof ECU then operates sliding roof motor.

### WIRING DIAGRAM



# 1 READ VALUE OF INTELLIGENT TESTER II (SLIDING ROOF TILT AND SLIDE SWITCH)

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

## Sliding roof ECU:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Open SW	Sliding roof open switch signal/ON or OFF	ON: Sliding roof open switch is pressed OFF: Sliding roof open switch is not pressed	-
Close SW	Sliding roof close switch signal/ON or OFF	ON: Sliding roof close switch is pressed OFF: Sliding roof close switch is not pressed	-
Up SW	Sliding roof up switch signal/ON or OFF	ON: Sliding roof tilt-up switch is pressed OFF: Sliding roof tilt-up switch is not pressed	-
Down SW	Sliding roof down switch signal/ON or OFF	ON: Sliding roof tilt-down switch is pressed OFF: Sliding roof tilt-down switch is not pressed	-

## OK:

When the switch is operating, the intelligent tester II should display as shown in the chart below.

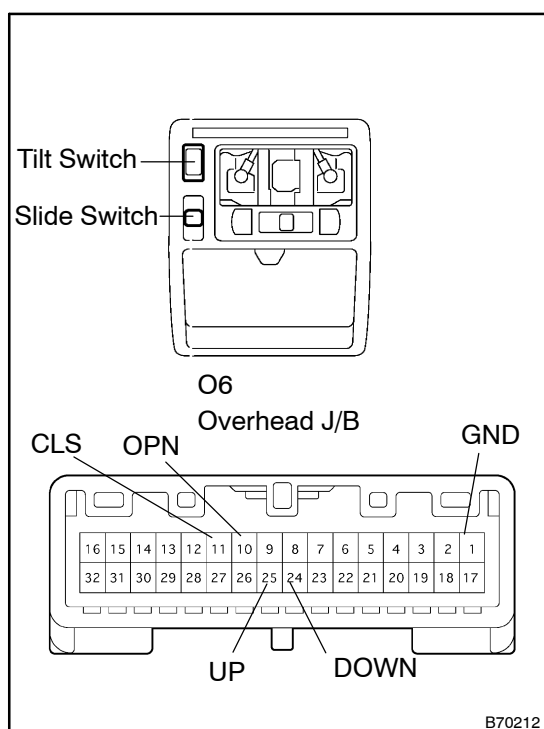
Switch Item (Tester Display)	No Pressing	Pressing
Open SW	OFF	ON
Close SW	OFF	ON
Up SW	OFF	ON
Down SW	OFF	ON

OK

REPLACE SLIDING ROOF DRIVE GEAR ASSY

NG

# 2 INSPECT OVERHEAD J/B



- (a) Measure the tilt switch resistance.

## Standard:

Tester Connection	Switch Condition	Specified Condition
O6-24 (DOWN) – O6-1 (GND)	DOWN	Below 1 Ω
O6-25 (UP) – O6-1 (GND)	UP	Below 1 Ω

- (b) Measure the slide switch resistance.

## Standard:

Tester Connection	Switch Condition	Specified Condition
O6-10 (OPN) – O6-1 (GND)	OPEN	Below 1 Ω
O6-11 (CLS) – O6-1 (GND)	CLOSE	Below 1 Ω

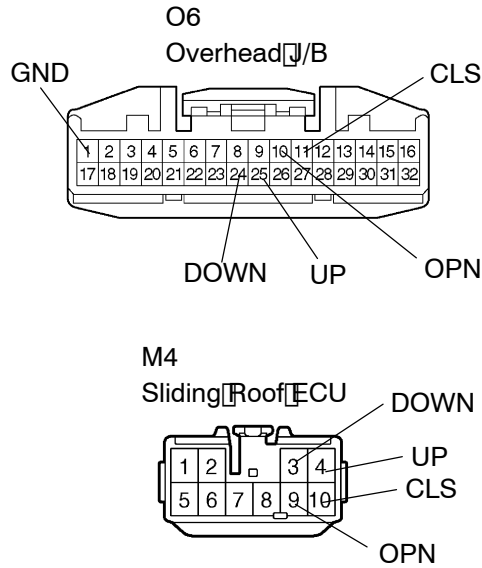
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REPLACE OVERHEAD J/B

OK

3 CHECK WIRE HARNESS (OVERHEAD J/B - SLIDING ROOF ECU AND BODY GROUND)

Wire Harness Side



B80228

- (a) Disconnect the M4 ECU and O6 J/B connectors.  
(b) Measure the resistance of the wire harness side connectors.

Standard:

Test Connection	Specified Condition
O6-1 (OPN) - M4-9 (OPN)	Below 1 $\Omega$
O6-11 (CLS) - M4-1 (CLS)	Below 1 $\Omega$
O6-24 (DOWN) - M4-3 (DOWN)	Below 1 $\Omega$
O6-25 (UP) - M4-4 (UP)	Below 1 $\Omega$
O6-1 (GND) - Body Ground	Below 1 $\Omega$

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

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