

<b>DTC</b>	<b>B2342</b>	<b>Switch Failure</b>
------------	--------------	-----------------------

**DESCRIPTION**

This DTC is output when the sliding roof drive gear (sliding roof ECU) detects that the SLIDE OPEN or TILT UP switch in the overhead junction block is stuck for 30 seconds or more.

DTC No.	DTC Detection Condition	Trouble Area
B2342	Sliding roof drive gear (sliding roof ECU) detects SLIDE OPEN or TILT UP switch in overhead junction block is stuck for 30 seconds or more	<ul style="list-style-type: none"> <li>• Sliding roof drive gear sub-assembly (sliding roof ECU)</li> <li>• Overhead junction block (sliding roof control switch)</li> <li>• Wire harness</li> </ul>

**WIRING DIAGRAM**

Refer to DTC B2341 (see page [RF-11](#)).

**INSPECTION PROCEDURE**

**RF**

<b>1</b>	<b>READ VALUE OF INTELLIGENT TESTER (SLIDE OPEN AND TILT UP SWITCH)</b>
----------	---

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

**Sliding roof drive gear**

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
Open Switch Failure (Current)	SLIDE OPEN switch condition (current) / Fail or Not Fail	Fail: SLIDE OPEN switch is stuck Not Fail: SLIDE OPEN switch is not stuck	-
Close Switch Failure (Current)	TILT UP switch condition (current) / Fail or Not Fail	Fail: TILT UP switch is stuck Not Fail: SLIDE OPEN switch is not stuck	-
Open Switch Failure (Past)	SLIDE OPEN switch condition (past) / Fail or Not Fail	Fail: SLIDE OPEN switch was stuck in past Not Fail: SLIDE OPEN switch was not stuck in past	-
Close Switch Failure (past)	TILT UP switch condition (past) / Fail or Not Fail	Fail: TILT UP switch was stuck in past Not Fail: TILT UP switch was not stuck in past	-

**OK:**  
"Not Fail" appears on tester screen.



<b>2</b>	<b>CHECK SLIDING ROOF FUNCTION</b>
----------	------------------------------------

- (a) Check the auto operation with the SLIDE OPEN and TILT UP switch (see page [RF-9](#)).

**OK:**  
Auto operation operates normally with SLIDE OPEN and TILT UP switch.

NG

Go to step 7

OK

3

DELETE DTC

(a) Delete the DTC (see page [RF-7](#)).

NEXT

END

4

INSPECT OVERHEAD JUNCTION BLOCK (SLIDING ROOF CONTROL SWITCH)

- (a) Remove the overhead junction block.  
 (b) Measure the resistance of the switch.

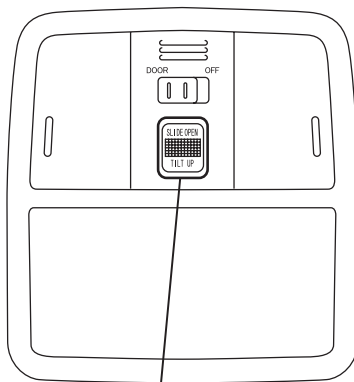
**Standard resistance**

Tenter Connection	Condition	Specified Condition
8 (UP) - 7 (GND)	TILT UP switch pushed	Below 1 $\Omega$
8 (UP) - 7 (GND)	TILT UP switch not pushed	10 k $\Omega$ or higher
9 (DOWN) - 7 (GND)	SLIDE OPEN switch pushed	Below 1 $\Omega$
9 (DOWN) - 7 (GND)	SLIDE OPEN switch not pushed	10 k $\Omega$ or higher

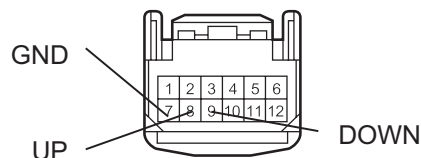
OK

Go to step 10

Overhead Junction Block



(Sliding Roof Control Switch)



B141536E02

NG

5

REPLACE OVERHEAD JUNCTION BLOCK (SLIDING ROOF CONTROL SWITCH)

- (a) Temporarily replace the overhead junction block (sliding roof control switch) with a new or normally functioning one (see page [RF-9](#)).

NEXT

**6** DELETE DTC

(a) Delete the DTC (see page [RF-7](#)).

NEXT

END

**7** INITIALIZE SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY (SLIDING ROOF ECU)

(a) Check that the sliding roof drive gear can be initialized (see page [RF-4](#)).

**OK:**

**Sliding roof drive gear can be initialized.**

**NG**

**Go to step 10**

OK

**8** CHECK SLIDING ROOF FUNCTION

(a) Check the auto operation with the SLIDE OPEN and TILT OPEN switch (see page [RF-9](#)).

**OK:**

**Auto operation operates normally with SLIDE OPEN and TILT UP switch.**

**NG**

**REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY (SLIDING ROOF ECU)**

OK

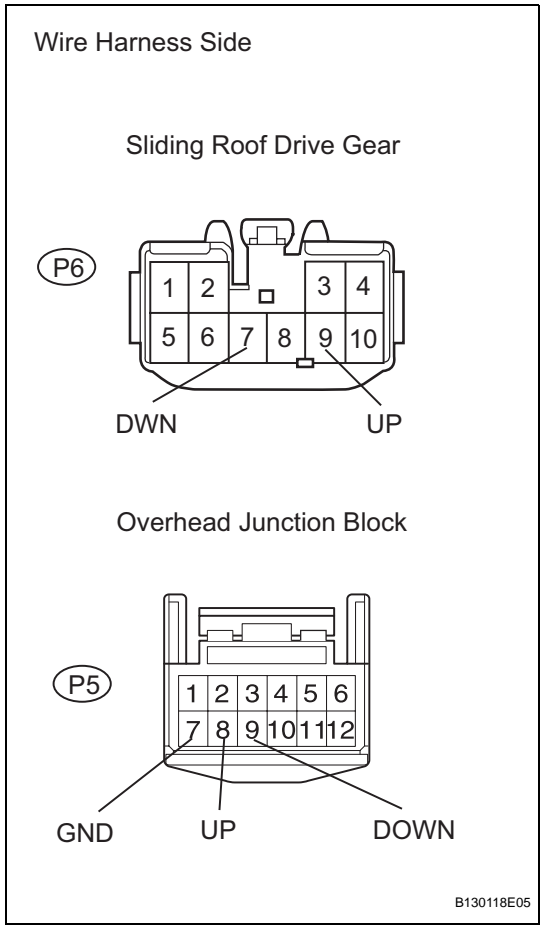
**9** DELETE DTC

(a) Delete the DTC (see page [RF-7](#)).

NEXT

END

**10 CHECK WIRE HARNESS (SLIDING ROOF DRIVE GEAR - OVERHEAD JUNCTION BLOCK)**



- (a) Disconnect the P6 ECU connector.
- (b) Disconnect the P5 junction block connector.
- (c) Measure the resistance of the wire harness side connector.

**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
P5-9 (DOWN) - Body ground	10 kΩ or higher
P5-8 (UP) - Body ground	10 kΩ or higher

**NG** REPAIR OR REPLACE HARNESS AND CONNECTOR

**OK**

**REPLACE SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY (SLIDING ROOF ECU)**

**RF**