



**Technical Service
Information Bulletin**

May 14, 2007

Title:

TSIB

**KNOCKING NOISE FROM FRONT OF
MOON ROOF**

Models:

'07 ES 350

REVISED
NVH
NV004-07

TSIB REVISION NOTICE:

- **June 18, 2007: The OFP in the Warranty Information table has been updated. Previous versions of this TSIB should be discarded.**

Introduction

Some 2007 model year ES 350 customers may complain of a knocking noise from the roof above the driver or passenger's head while driving. The noise is noticeable at low vehicle speeds (approximately 5 mph [8 km/h] and up). This complaint only affects vehicles equipped with the standard moon roof (**NOT** the panorama roof).

The condition may be present or worse when the weather is cold and may not be present once the interior of the vehicle warms up.

Use the repair procedure below to improve this condition.

Applicable Vehicles

- **2007** model year **ES 350** vehicles produced **BEFORE** the Production Change Effective VIN shown below.

Production Change Information

MODEL	VDS	PRODUCTION CHANGE EFFECTIVE VIN
ES 350	BJ46G	JTHBJ46G372124651

Required Tools & Material

TOOLS & MATERIAL	PART NUMBER	QTY
Interior Noise Kit	08231-00801	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
NV7005	R & R Sliding Roof Housing Sub-assembly	4.4	63142-33901	91	44
Combo A	Insulate Roof Panel	0.2			

Applicable Warranty*:

This repair is covered under the Lexus Comprehensive Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.

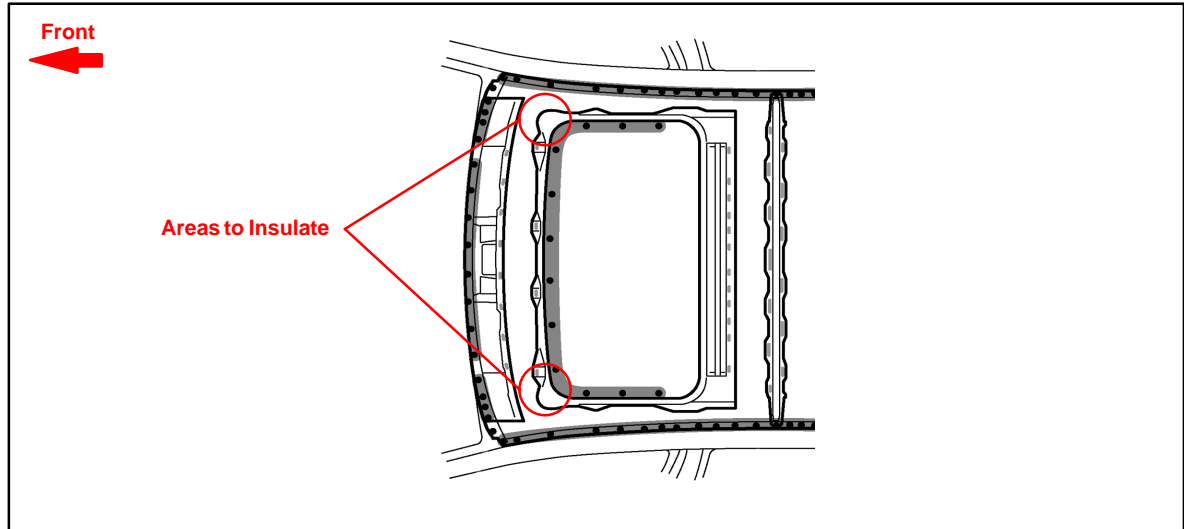
* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



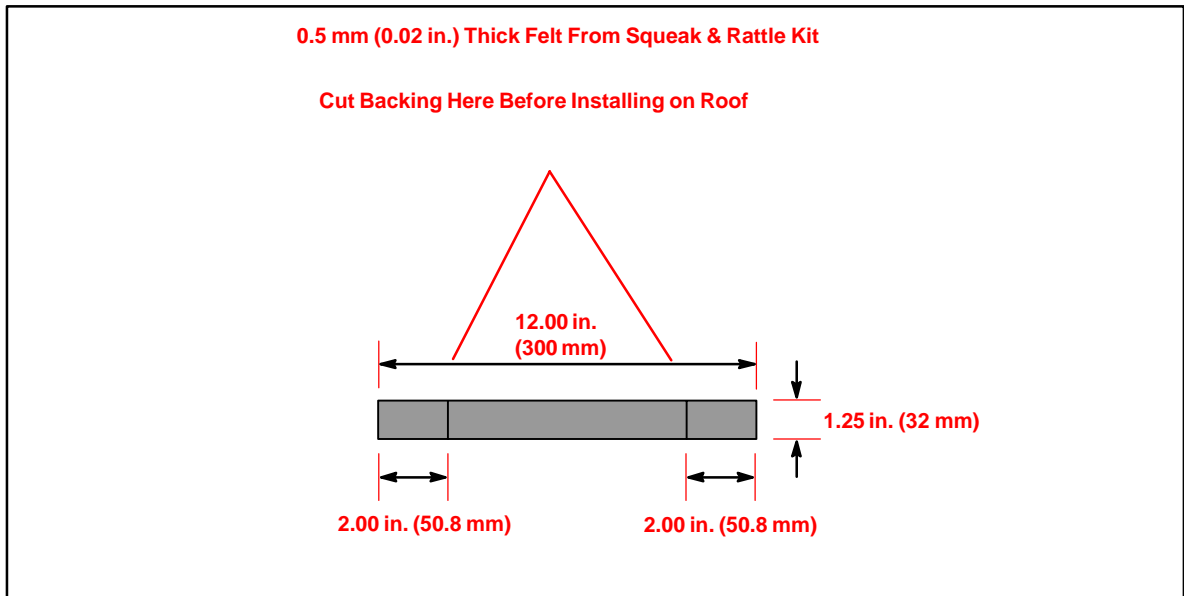
Repair Procedure

1. Confirm that the noise is coming from the area near the front corner of the moon roof (either left or right).
2. Record the radio station presets.
3. Remove the sliding roof housing sub-assembly.

Refer to the Technical Information System (TIS), 2007 model year ES 350 Repair Manual, *Vehicle Exterior – Sliding Roof/Convertible – “Sliding Roof: Sliding Roof Housing (for Standard): Removal”*.



4. From the Interior Noise Kit, make two felt strips to the following dimensions:
Length: 300 mm (12.00 in.)
Width: 32 mm (1.25 in.)
Thickness: 0.5 mm ([0.02 in.] thinnest felt sheet material in the kit)
5. Temporarily peel back the backing paper at both ends and make a cut 2 inches (50.8 mm) away from the ends. Place the backing paper back on the felt.



Repair Procedure
(Continued)

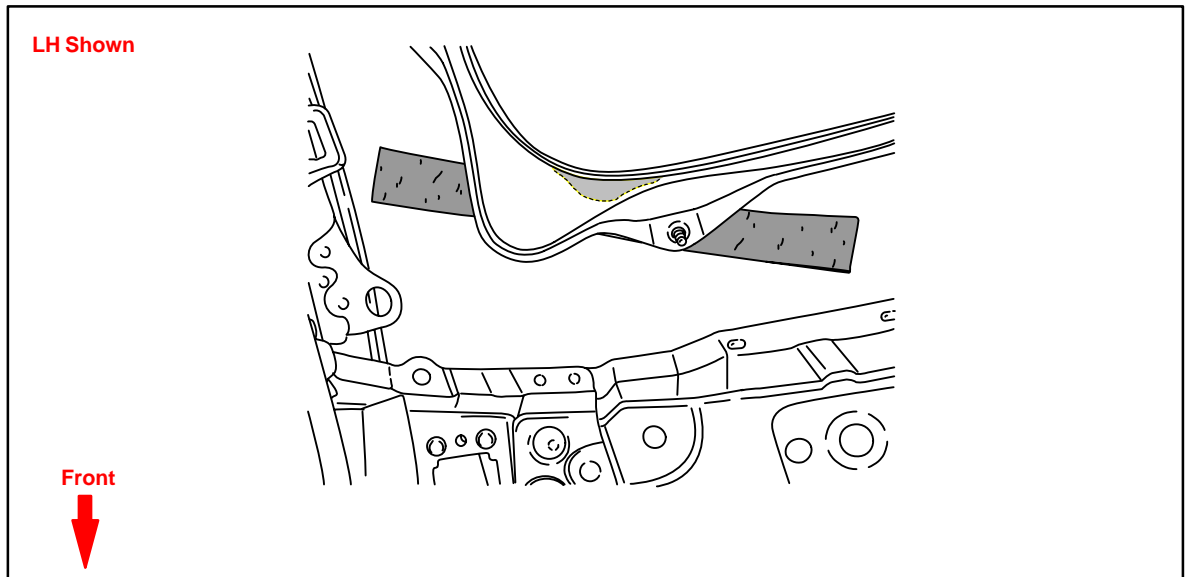
- Place the felt strip between the roof panel and the moon roof mounting structure panel as shown in the illustrations below.

NOTE:

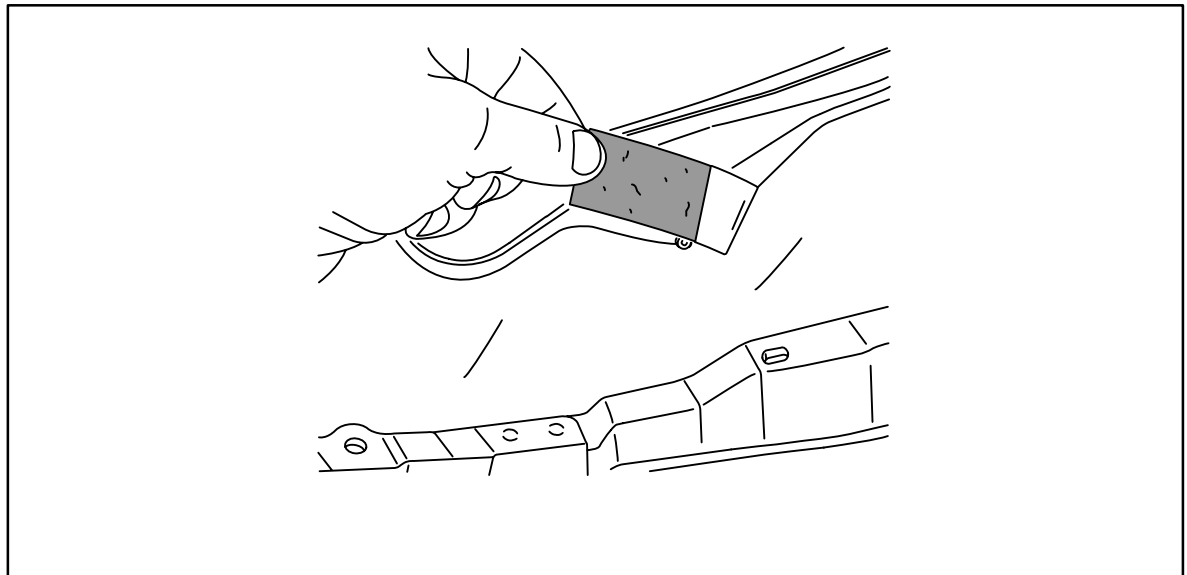
Pull down on the moon roof mounting structure in the area of the front mounting stud to make space for the felt to slide into place.

IMPORTANT:

The felt strip is placed at an approximate 30° angle from the front edge of the moon roof opening.



Once the felt is placed as close to the inner edge as possible, peel off the backing paper at the ends of the felt strip and stick the felt to the roof panel.



**Repair
Procedure**
(Continued)

7. Perform the felt repair on both front corners of the moon roof structure.
8. Install the sliding roof housing sub-assembly.
Refer to TIS, 2007 model year ES 350 Repair Manual, *Vehicle Exterior – Sliding Roof/Convertible – “Sliding Roof: Sliding Roof Housing (for Standard): Installation”*.
9. Reset the radio presets and clock.
10. Test drive the vehicle to confirm the noise is gone.