Crosswind Turbulence Noise at Highway Speeds

Service Category Vehicle Exterior

Section Exterior Panels/Trim **Market** USA

Lexus Supports ASE Certification

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2010	LS460	
2008 – 2010	LS600H	

Introduction

Some customers may experience a buffeting type turbulence noise while driving in a heavy crosswind at highway speeds. Use the repair procedure below to address this condition.

NOTE

This TSIB addresses unusual interior noises that can occur during certain driving conditions, by following the instructions in this TSIB these noises may be reduced. Customers should be reminded that some level of wind turbulence noise, especially in crosswind conditions is present in all vehicles. A vehicle such as the LS460, which is one of the quietest vehicles on the market today, may tend to draw attention to normal wind turbulence or rushing sounds because of the relative absence of other ambient noises.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BD9030	Install Windshield Deflector Molding (Both Sides)	2.6	7555#-50020-C0	59	57

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.**

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Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
N/A	75535-50030	Molding Windshield RH (Deflector)	1
N/A	75536-50010	Molding Windshield LH (Deflector)	1
85221-50120	85221-50140	Arm, Front Wiper, LH	1
N/A	75961-50010	Rivet Windshield Molding NO.4	2
75562-30070	Same	Clip Roof Drip Side Molding NO.2	8
75545-30150	Same	Clip Windshield Molding NO.1 RH	1
75546-30100	Same	Clip Windshield Molding NO.1 LH	1
-	-	Adhesive (3M Primer #06396)	2

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
Plastic Pry Tool Set*	00002-06000-01	1

* Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

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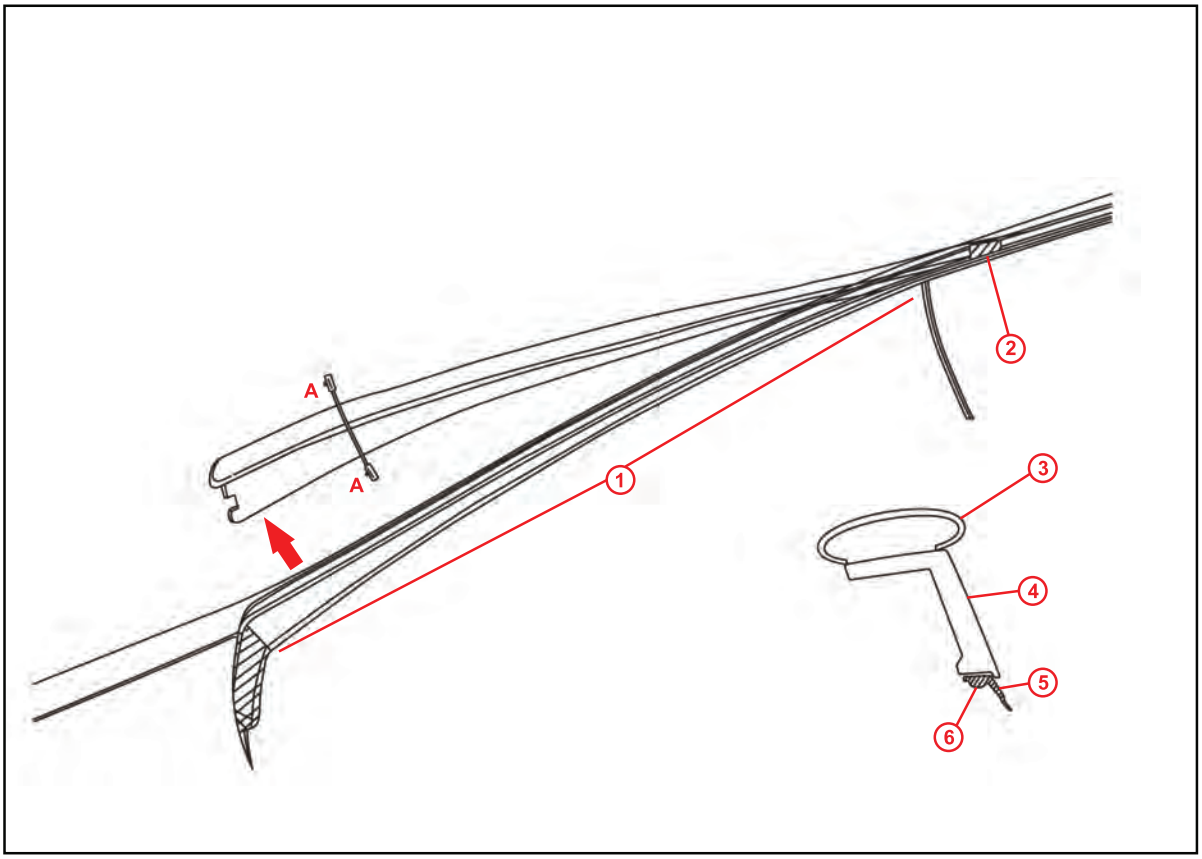
Repair Procedure

1. Installation of outside windshield molding deflector.

   A. Remove left hand (LH) roof drip side molding from base of the windshield up to first clip of roof above windshield.

   B. Remove lip seal from roof drip side molding and remove residual double sided tape from molding.

   Figure 1.



1	Roof molding	4	Garnish
2	Remove molding by this clip	5	Lip seal
3	SUS molding	6	Remove lip seal

   C. Apply primer (3M 06396) to clean surface once double sided tape is removed.

> **NOTE**
> **Do NOT apply primer to painted surface of molding.**

   D. Install hook at the top side of the deflector onto the roof drip side molding (see Figure 2).

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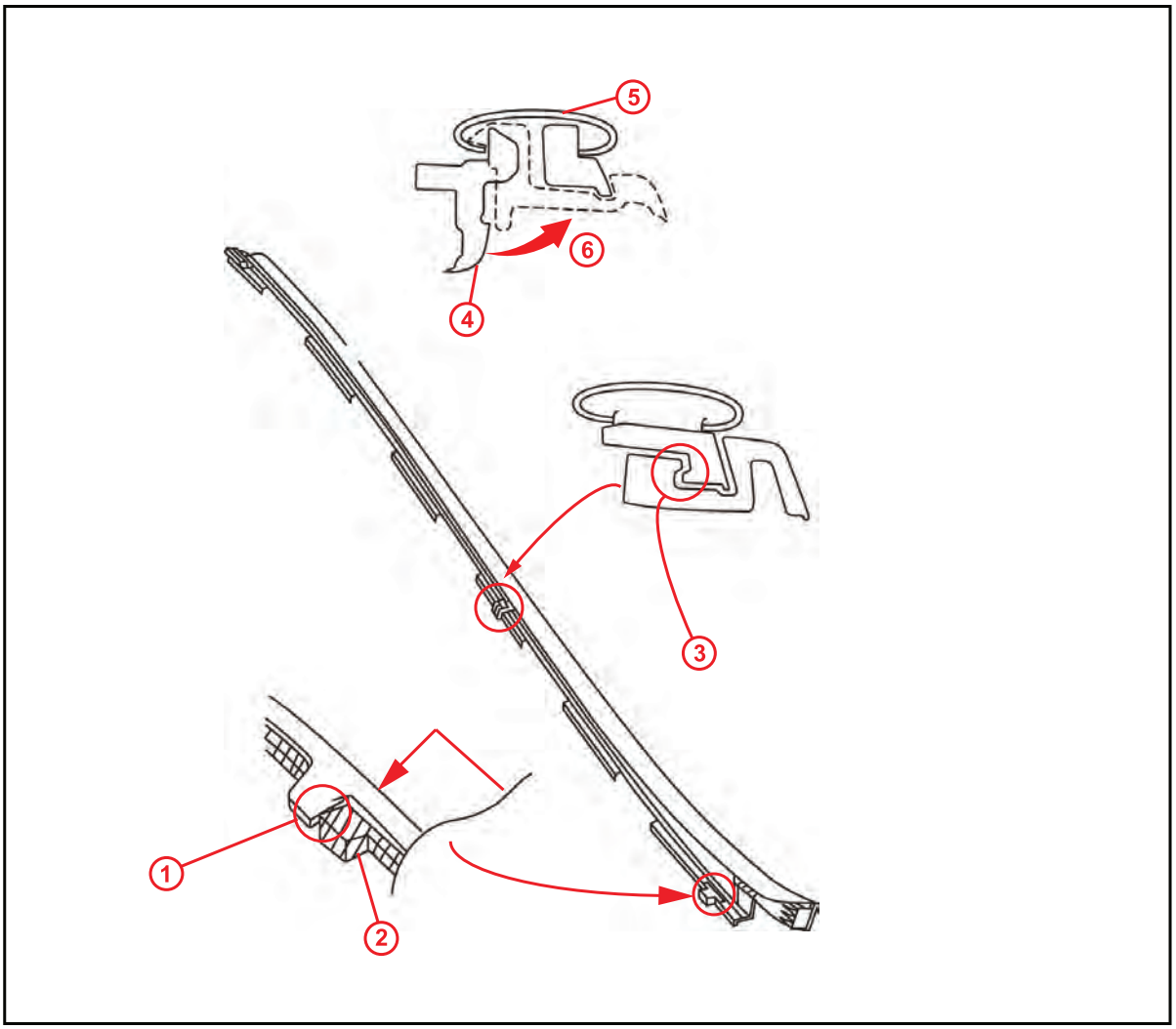
Repair Procedure (Continued)

E. Hook middle part of deflector onto roof drip side molding (see Figure 2).

F. Bottom of deflector should contact tab on bottom of roof drip side molding (see Figure 2).

Figure 2.



1	Should contact
2	Molding windshield, outside LWR
3	Ensure to insert
4	Molding windshield outside LRR
5	Insert molding windshield outside LWR and rotate it
6	Roof molding

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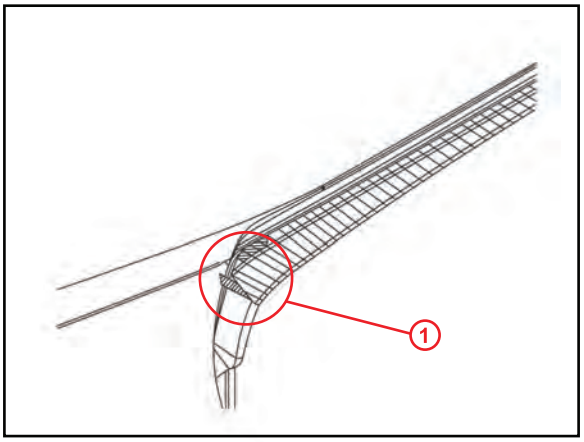
Repair Procedure (Continued)

G. Temporarily secure deflector to roof drip side molding using masking tape and install roof drip side molding back on vehicle. Do not install clips at this time, this step is for lower gap adjustment only.

H. Check gap between lower deflector at base of windshield and NEW deflector attached to roof drip side molding. Adjust NEW deflector until no gap is seen at lower deflector contact (see Figure 3).

Figure 3.



1	**Make sure there is no gap between lower deflector and side deflector.**

I. Once position of deflector has been adjusted so there is no gap at bottom contact point, remove deflector and molding assembly from vehicle and pull backing paper to stick double sided tape.

> **NOTE**
>
> **Pull backing paper from bottom to top and apply pressure to ensure good adhesion.**

J. Cut out paper template from page 8 and attach to bottom inside portion of the roof drip side molding.

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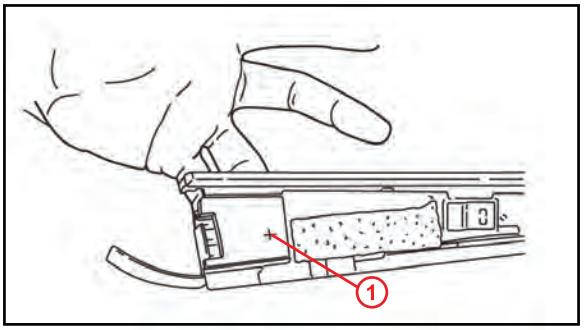
Repair Procedure (Continued)

K. Drill a 4 mm hole according to template through the roof drip side molding and inside portion of the deflector piece (see Figure 4)

> **NOTE**
>
> **Do NOT drill completely through the deflector.**

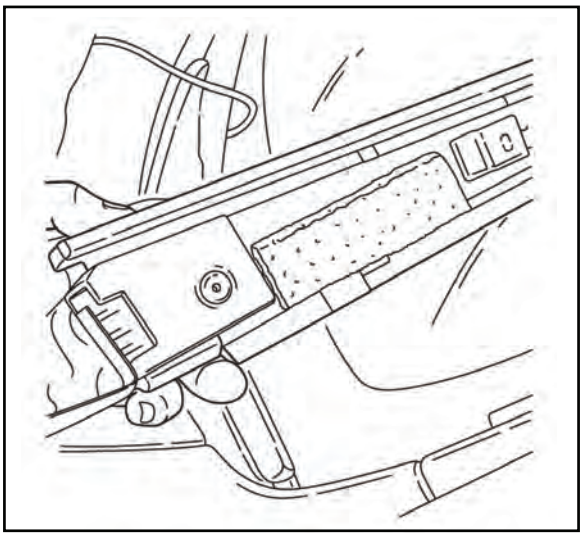
Figure 4.



1	Drill location

L. Using a rivet tool, attach lower portion of deflector to roof drip side molding (see Figure 5).

Figure 5.



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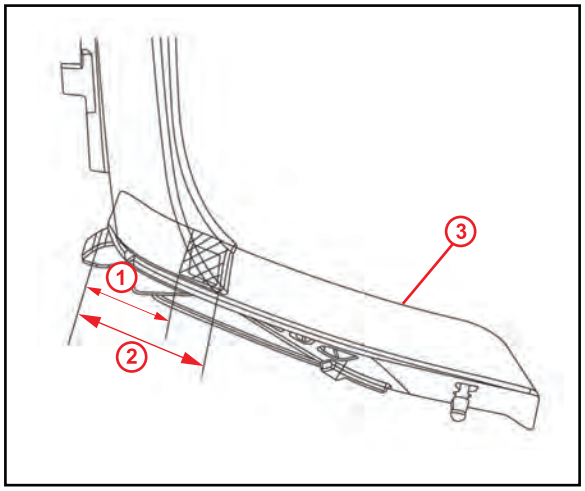
Repair Procedure (Continued)

M. Remove lower windshield deflector from vehicle. Clean and apply primer in the cross hatch area shown in Figure 6.

Figure 6.



1	25 mm
2	40 mm
3	Deflector

N. Install NEW clips on windshield clips on vehicle.

O. Install roof drip side molding and lower deflector onto the vehicle. Once lower deflector is in position, remove backing paper from double sided tape and permanently attach lower deflector to roof drip side molding deflector.

NOTE

Apply pressure to molding contact area to ensure no gap occurs between deflectors.

2. Install LH Wiper Arm.

A. Remove the nut, wiper arm, and blade.

B. Install NEW wiper arm and tighten nut. Hold down the wiper arm hinge with your hand while tightening the nut.

Torque: 22 N*m (224 kgf*cm, 16 ft*lbf)

NOTE

Wiper arm may contact deflector during operation if revised wiper arm is not installed.

3. Repeat repair procedure for right deflector. The LH wiper arm is replaced only. RH is not applicable.

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Repair Procedure (Continued)

4. Road test vehicle at highway speeds and operate wipers to ensure no contact between wiper blade and deflector.

Figure 7. Paper Jig Template