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Availability: ISIS, FleetSIS
Major System: CAB / SLEEPER / HOOD
Current Language: English
Other Languages: NONE
Viewed: 859

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Created: 6/5/2014
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Author: David Smith

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Coding Information

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Title: Wind noise at upper side door

Applies To: All steel cabs: ProStar, LoneStar, TranStar, WorkStar, DuraStar, TerraStar

CHANGE LOG

Dealers: Please refer to the change log text box below for recent changes to this article:

06/06/2016 - Author addressed feedback
 7/14/2014 - Initial release. Supersedes IK1600022, IK1600035, IK1600090, TSI 05-16-04, and SFN 0426.
 8/11/2014 - Edited step 2

DESCRIPTION

There are instances when the cab side entry door does not have proper contact with the door seals along the top of the door causing wind noise and/or flutter. In extreme cases and in inclement weather, there could be water intrusion as well. Many design improvements were made between 2004 and 2009 that drastically improved quality in this area, however there are still isolated occurrences when this issue still persists.

SYMPTOM(s)

Customer Complaint(s):

- Wind noise
- Flutter
- Water intrusion

SERVICE PART(s) INFORMATION

Kit Description	Part Number	Quantity Required	Ordering Instructions
Shim Kit*	2587820C91	1 per door	Order from Navistar

* The shim kit contains an instruction sheet, one 1.5mm shim and three 0.5mm shims.

REPAIR STEP(s)

1. Inspect the primary (Figure 1, Item 3) and secondary (Figure 1, Item 1) door seals. Ensure they are seated down completely. If there is any visible damage or waves, adjust or replace as necessary.
2. Inspect the door to ensure proper positioning and flushness within the door frame. Refer to the specific cab service manual under "Adjustments: Cab Door" (general information), "Adjustments: Door Hinge" (affects door positioning), and "Adjustments: Striker Pin" (affects door flushness).
3. After replacing or adjusting any of the parts in steps 1 or 2, remove the primary door seal (Figure 1, Item 3).
4. While closing the door, place a dollar bill or similar size/shape piece of paper between the secondary door seal (Figure 1, Item 1) and the door (Not Shown) at the base of the A-pillar where the secondary door seal starts/terminates just above the upper door hinge (Figure 2, Item 1).
5. Slide the dollar bill up and along the door all the way back to the upper rear corner of the door.
6. If the dollar bill does not slide freely, there is proper contact between the door and seal and no shimming is required. Reinstall the primary door seal (Figure 1, Item 3), ensuring that it is completely seated all the way around the door perimeter. The job is complete.
7. If the dollar bill slides freely, there is not a proper amount of contact between the door and the door seal. Continue below.
8. Loosen the lower A-pillar door hinge bolts (Figure 2, Item 3).
9. Insert the thickest shim (1.5mm) between the cab hinge pillar (Figure 2, Item 4) and the lower door hinge (Figure 2, Item 2). Position the shim with the long "ear" forward so the shim is completely covered by the hinge.
10. Retighten the lower hinge bolts (Figure 2, Item 3) to 19.6 - 24.0 N-m (14.5 - 17.7 Lbf-ft).
11. Repeat steps 4-10 using the 0.5mm shim until the issue is resolved. Do not use more than one shim kit on each door (total shift of 3.0mm).

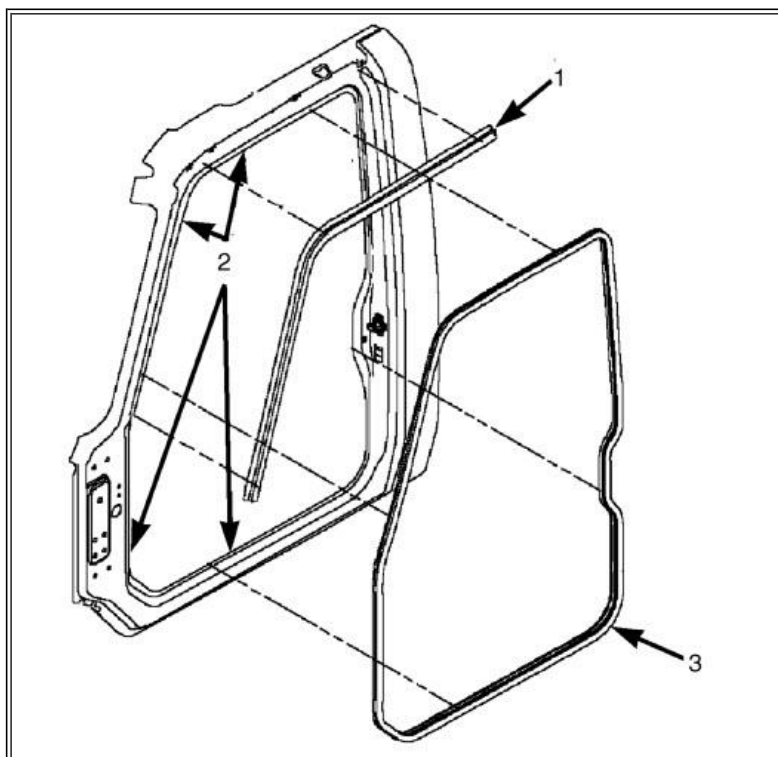
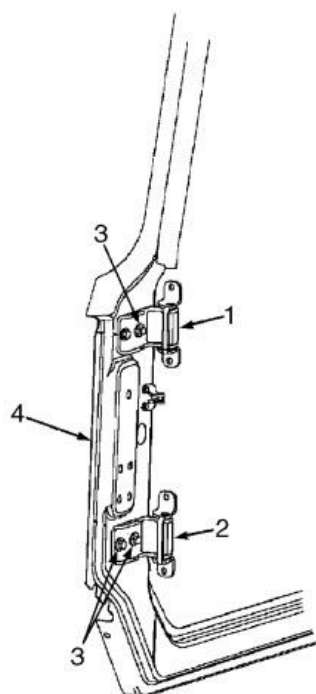


Figure 1: Door Seals

Item 1: Secondary Door Seal

Item 2: Weather Seal Flange

Item 3: Primary Door Seal

**Figure 2: Door Hinges**

Item 1: Upper Door Hinge
Item 2: Lower Door Hinge
Item 3: Hinge Mounting Bolts
Item 4: Cab Hinge Pillar

WARRANTY INFORMATION**Warranty Claim Coding:**

Group:	16012
Noun:	130

Standard Repair Time(s):

Step	Description	SRT Link	Hours
	Door Adjustment Procedure	A16-T1 (SRT to publish with August 2014 release)	0.7

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