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Coding Information

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Title: Day Cab Roof Air Deflector Causing Loud Vibration Noise at Highway Speeds

Applies To: International day cabs with roof deflector P/N: 4067947C91-C92

CHANGE LOG

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

05/03/2021 - Initial Article Release.

DESCRIPTION

This document will guide the user on how to stop the loud vibration noise that is caused by the roof air deflector chattering against the cab roof at highway speeds. This will be corrected by inserting a Trim Lok rubber seal onto the front leading edge of the roof deflector to fill the gap between the deflector and the cab roof.

This document replaces/retires: iKNow Article IK1900257

SYMPTOM(s)

DTC/Light	Description
No Faults or Warning Lights	

Customer Observations or Concerns:

- **Complaint:** Clapping/Chattering noise coming from roof while driving at highway speeds.

Cause: The day cab roof mounted air deflector part number: 4067947C92 under certain conditions can start vibrating & chattering against the cab roof at highway speeds. This condition is believed to be caused by process variation in the manufacturing process of the deflector itself. This is a rare occurrence and can be corrected by following this iKNow article.

SPECIAL TOOL(s) / SOFTWARE

There are no special tools or software required to complete this procedure.

SERVICE PARTS INFORMATION

Note:

This seal is not available through our service parts catalog at this time.

Please order this Trim Lok part from your local or online distributor.

Grainer.com is suggested as they stock this seal at a fair price.

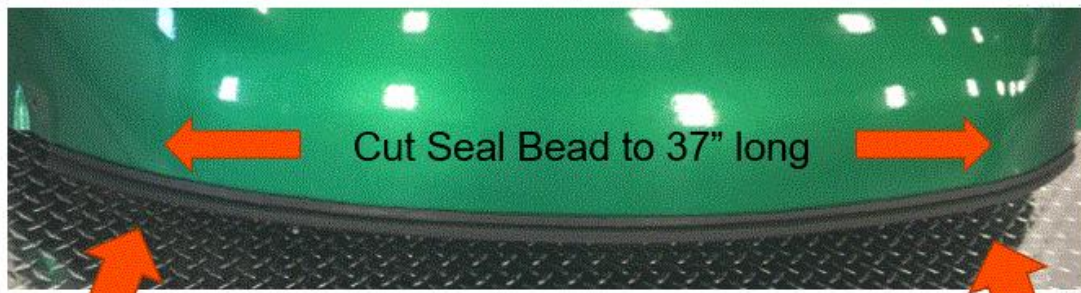
Part Number Options	Part Description	Grainger.com (Option)	Trim Lok Part Number	Quantity Required
Preferred Part - Best for ease of installation	TRIM SEAL, ALUM CLIP, 0.36" WIDE GROOVE - 25' ROLL	ITEM# 10D117	7100B3X3/16C-25	1 Each
Alternate Part - Will work as well but slightly harder to install	TRIM SEAL, ALUM CLIP, 0.30" WIDE GROOVE - 25' ROLL	ITEM# 10D115	7100B3X1/8C-25	1 Each

Note: Each truck will require 37" length of the seal. The seal comes in 25' rolls so one roll will make up to 7 seals.

DIAGNOSTIC STEP(s)

Step	Action	Decision
#1	DIAGNOSTIC: Does the roof mounted air deflector chatter against the cab roof when driving at least 45mph on open highway?	Yes. Install the Trim Lok seal bead onto the leading edge of the air deflector.
		No. Stop - No action needed.

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Example of Seal Bulb Installed



Figure #1 - Trim Lok Seal Installed

REPAIR / INSTALLATION PROCEDURE

1. Cut the seal to 37" long so it will fit nicely between the two front mounting points of the air deflector as shown in Figure #1 above.
2. Remove the four front bolts on the deflector from the front roof mounted brackets.
3. Loosen the rear bolts enough to slightly lift the deflector a few inches in the front to gain enough room to install the rubber seal bead. Use some wooden or foam blocks to hold the deflector up off the roof while installing the rubber bead to help protect the paint.
4. Press and/or tap the rubber bead onto the front edge of the deflector between the two front inner mounting locations. Verify the rubber bead is fully engaged onto the deflector by confirming the u-channel is straight and even along the edge.
5. Once the rubber bead is properly installed and seated on to the deflector; position and align the deflector back down onto the roof mounting brackets and loosely install all mounting bolts, front and back.
6. Once the deflector is properly aligned and in position; retorque each of the bolts per the following specification:

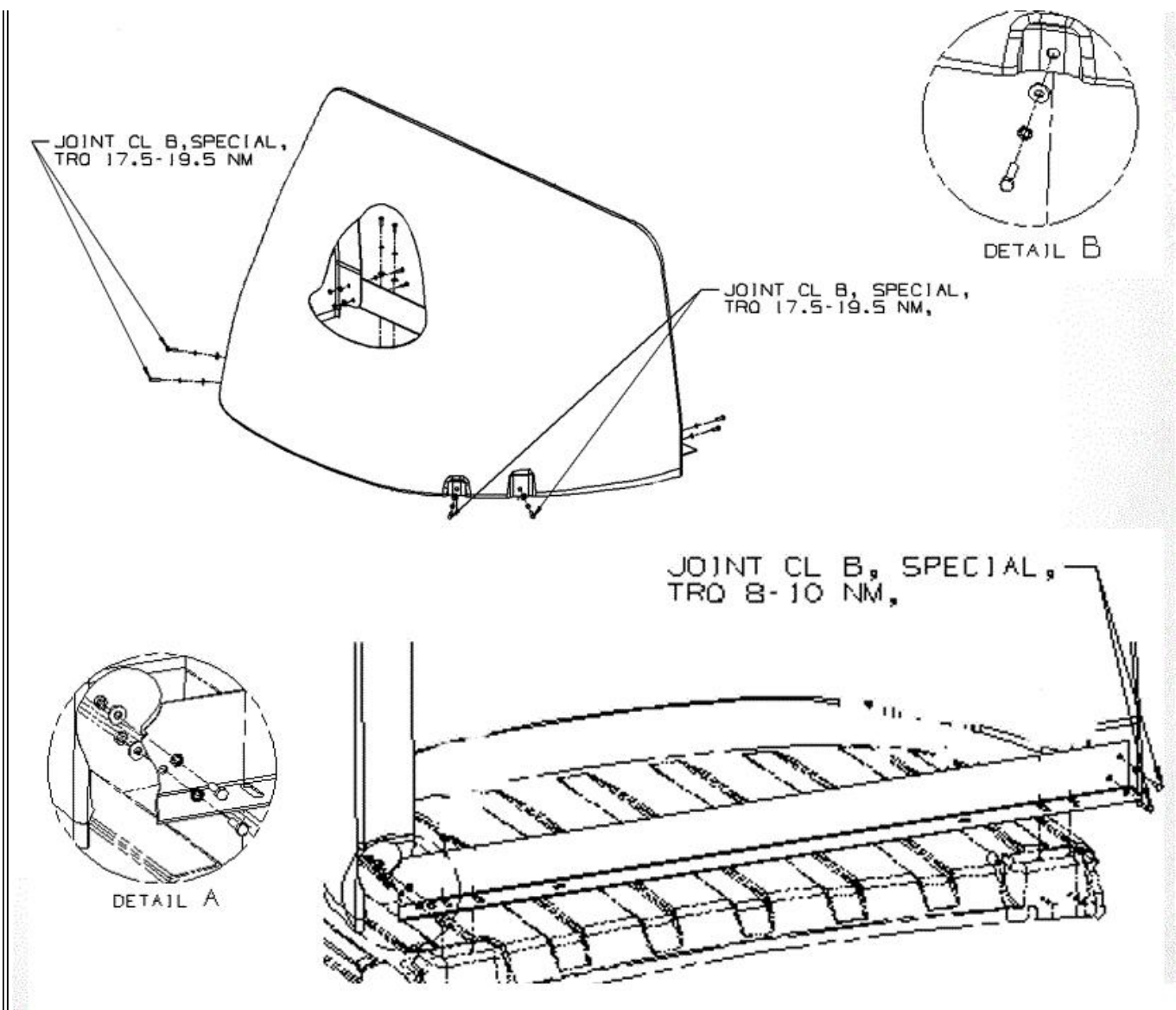


Figure #2: Installation Torque Guide

Torque front M8 hardware to 17.5-19.5 N-m (13-14.5 ft-lb)

Torque rear M8 hardware to 8.0-10.0 N-m (6-7.5 ft-lb)

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)



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