



**Countries:** BAHAMAS, BOLIVIA, BELIZE, CANADA, CHILE, COLOMBIA, COSTA RICA, DOMINICAN REPUBLIC, ECUADOR, EL SALVADOR, GUATEMALA, GUYANA, HAITI, HONDURAS, JAMAICA, MEXICO, ARUBA, NICARAGUA, PANAMA, PERU, TRINIDAD AND TOBAGO, UNITED STATES, URUGUAY, VENEZUELA, Curaçao

**Document ID:** IK1600269

**Availability:** ISIS, FleetISIS, Body Builder, IsSIR

**Major System:** CAB / SLEEPER / HOOD

**Current Language:** English

**Other Languages:** NONE

**Viewed:** 129

**Revision:** 0

**Created:** 3/27/2024









**Last Modified:** 3/29/2024

**Author:** Steven Bautz

[Less Info](#)

Hide Details

Coding Information

<b>Copy Link</b> 	<b>Copy Relative Link</b> 	<b>Bookmark</b>  <a href="#">View My Bookmarks</a>	<b>Add to Favorites</b> 	<b>Print</b> 	<b>Provide Feedback</b> 	<b>Helpful</b>  7	<b>Not Helpful</b>  0
---	--	---	--	---	--	--	--

**Title:** LT Hood Squeak, Rattle and Bouncing

**Applies To:** LT RH

## **CHANGE LOG**

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

03/29/2024 - Initial Article Release

## **DESCRIPTION**

This document will guide the user through various field repairs for eliminating the squeaks, rattles, knocking, and/or bouncing of the engine hood on International LTs and International RHs models. For any other hood alignment or adjustment issues please refer to the latest truck service manual.

## **REFERENCE DOCUMENTS**

iKNOW Article IK1600265 – Hood Guide Installation

iKNOW Article IK1600247 - Hood Gap and Alignment Tolerances

## **SYMPTOM(s)**

During vehicle movement the engine hood may squeak, rattle, knock, and or bounce.

**Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):**

N/A – There are no trouble Codes or Indicator Lights for this symptom.

**Customer Observations or Concerns:**

The driver may experience excessive noise or see excessive movement of the engine hood during vehicle operation. The noises or movement do not create a safety concern but are merely an annoyance to the occupants of the truck as long as both hood latches are properly engaged.

**SPECIAL TOOL(s) / SOFTWARE**

N/A – There are no special tools or software require to complete these repairs.

**SERVICE PARTS INFORMATION**

Part Description	Part Number	Quantity Required	Notes
BRACKET, SUPPORT, HOOD, LH	3810978C5	1	
BRACKET, SUPPORT, HOOD, RH	3810979C5	1	
BOLT, TORX FLAT HD M10-1.5 X 30	3811528C1	4 per side	OK to reuse originals
GREASE, HEAVY CHASSIS	VARIOUS	As needed	Purchase locally
RIVET, 3/16" BLIND ALUM - .5" -.625" GRIP	552870C1	2	May substitute
RUBBER, MUD FLAP STRIP - 1/4" THK, 1" X2.5"	N/A	1	Fab in house

**DIAGNOSTIC STEP(s)****Issue #1: Hood Noises – Squeaking or Rattling**

Drive the truck over various road conditions to determine if the hood makes squeaking or rattling noises. The noises generally occur when the truck is rocking over uneven surfaces at speeds generally over 5-10 MPH.

**Issue #2: Hood Knocking and Bouncing**

Drive the truck over various road conditions to determine if the hood knocks or bounces. The bounce condition can be seen at the top of the hood where it meets the base of the windshield and generally occurs when the truck is moving at

speeds of 45 MPH or higher. When the hood starts to bounce it will normally create a knocking noise when it bounces against the hood stops.

**IMPORTANT NOTE:** Prior to completing any of the following diagnostic steps below, verify that the hood is properly mounted and aligned per iKNOW Article IK1600247 - Hood Gap and Alignment Tolerances. Also verify the hood stops and hood latch hardware is properly secured and that these parts are not loose, bent or damaged. If so, replace damaged/defective part before proceeding.

Step	Action for Issue #1	Decision
#1	<b>DIAGNOSTIC: Hood Squeaking and or rattling</b> Does the hood squeak or rattle during vehicle operation?	<b>Yes.</b> Apply heavy chassis grease to both hood stops and hood guides (Left/Right) per repair steps below
		<b>No.</b> No action required

Step	Action for for Issue #1	Decision
#1A	<b>DIAGNOSTIC: Hood Squeaking and or rattling</b> Does the hood squeak or rattle during vehicle operation after newly added heavy grease was applied?	<b>Yes.</b> Install rubber spacers to hood guides on the hood where they meet the hood stops per repair steps below (Left/Right)
		<b>No.</b> No action required

Step	Action for Issue #2	Decision
#2	<b>DIAGNOSTIC: Hood Bounce &amp; Knocking</b> Does the hood bounce and knock during vehicle operation?	<b>1.</b> Install rubber spacers to hood guides on the hood where they meet the hood stops per repair steps below (Left/Right)
		<b>2.</b> No action is required

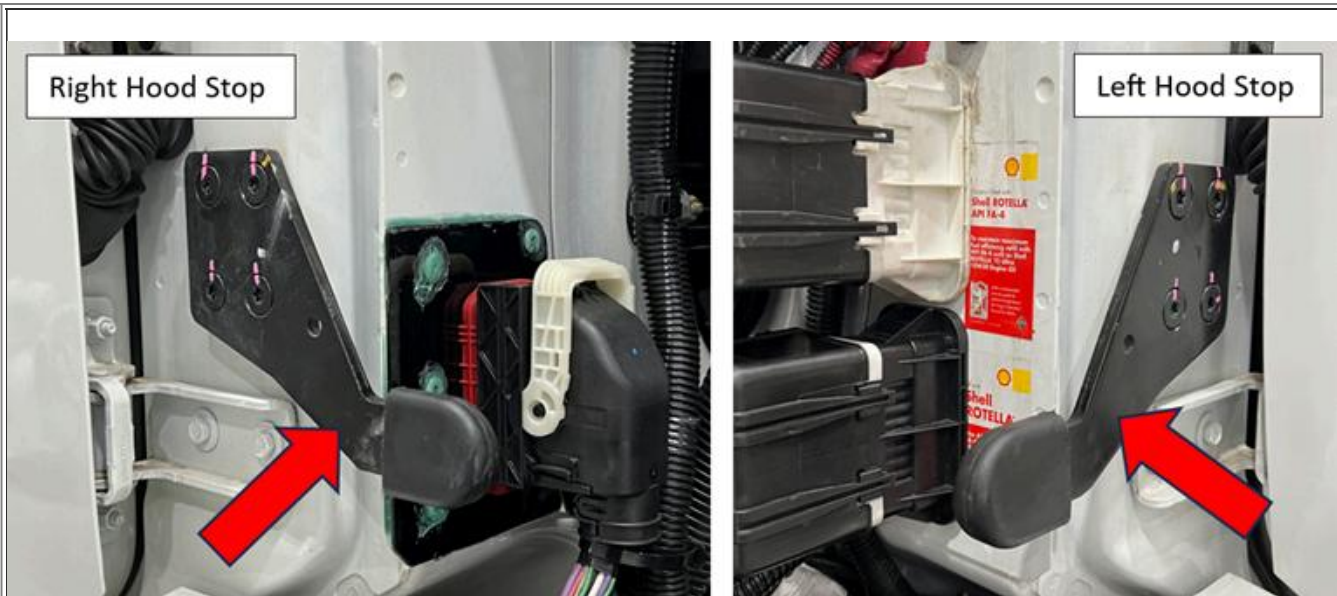


Figure 1: Hood Stops as mounted to the Cab

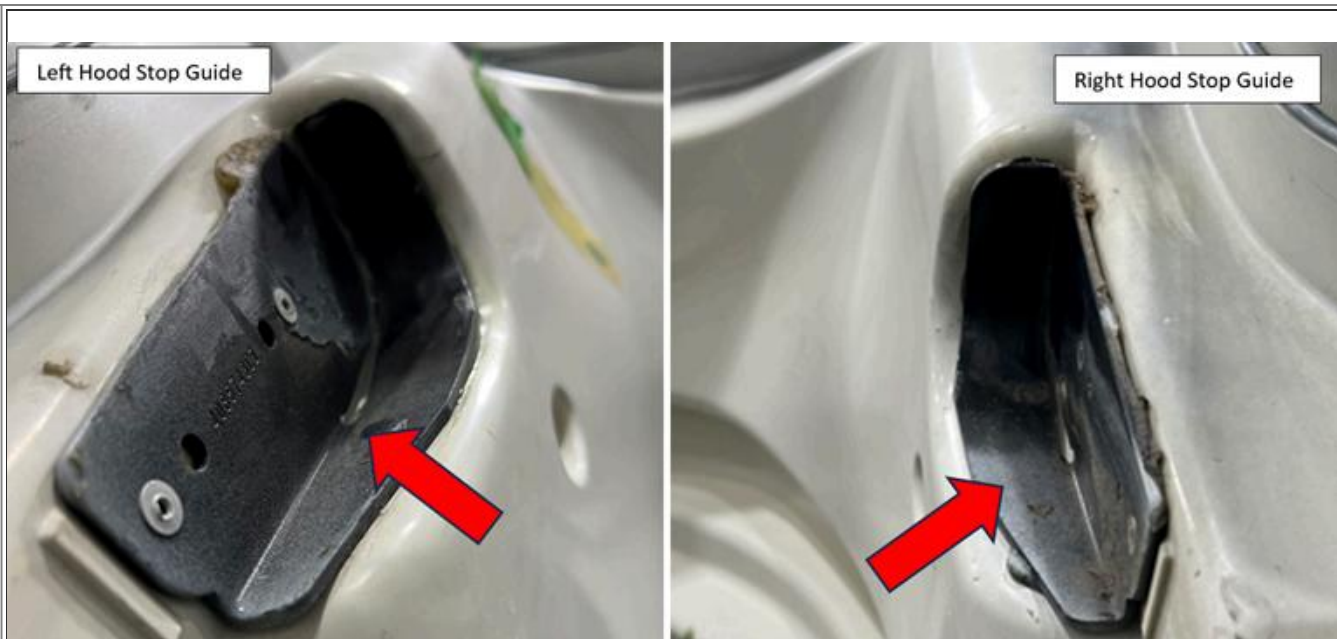
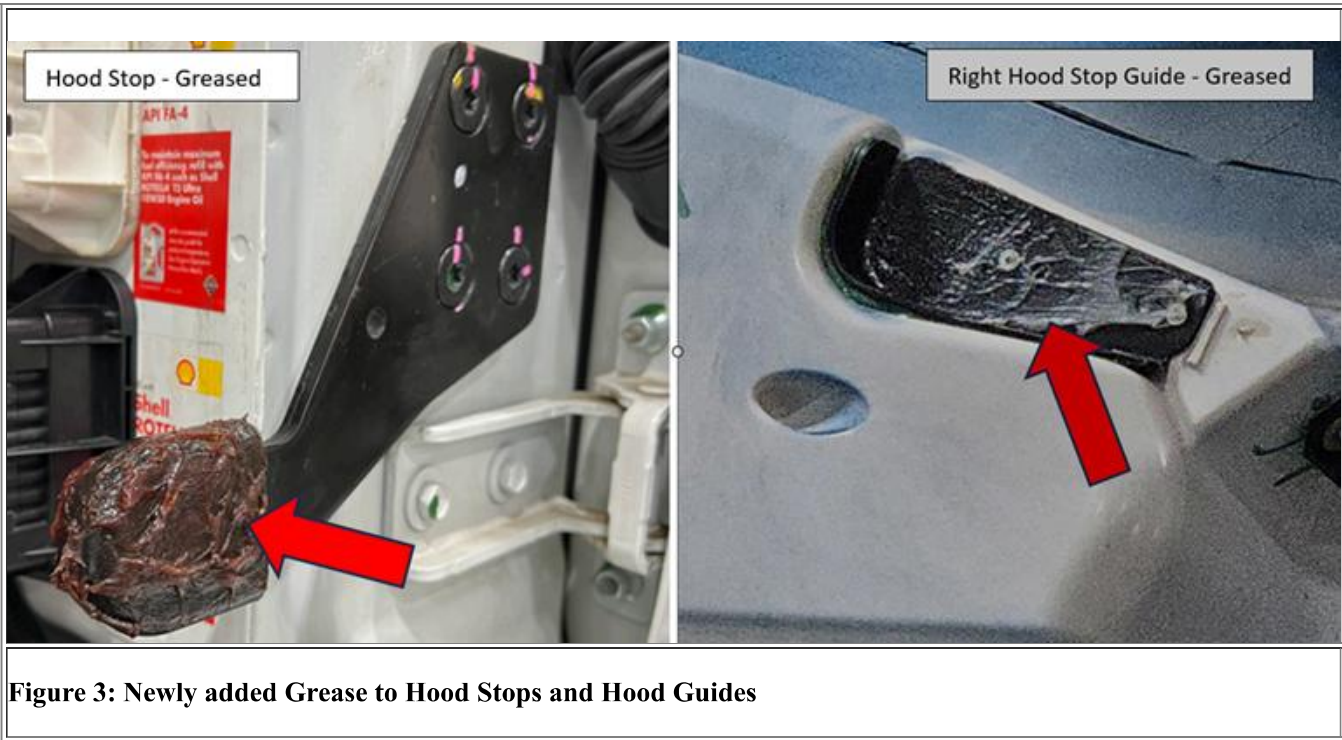


Figure 2: Hood Guides as mounted to the hood B-side

## **REPAIR STEP(s)**

### **Issue #1 - Hood Squeak and Rattle Noise**

The standard repair for any squeaking or rattling noise coming from the hood is to add heavy grease to the both the rubber end of the hood stop and to the hood guides that are mounted on the B-side of the hood. (See Figure #3)



## Issue #2 – Hood Bounce and Knocking

The standard repair for the hood bouncing and or knocking is to rivet a hand fabricated rubber spacer on to both hood guides to fill the space between the hood stop and the end of the hood guide when the hood is closed. (See figure #4) Use a high quality piece of rubber such as a slice off of a mud flap. The thickness should be approximately 1/4" to 3/16" thick and approximately 1.0" X 2.5" in size. (See Figure #5 Left side shown, right side is opposite)

Use a #11 drill bit to drill the hole for the blind rivet locate approximately as shown about 1/2 way down or in the center of the rubber spacer as shown. Once the spacer is installed add a generous portion of grease to lubricate the joint. These parts should be greased on a periodic basis throughout the life of the truck.

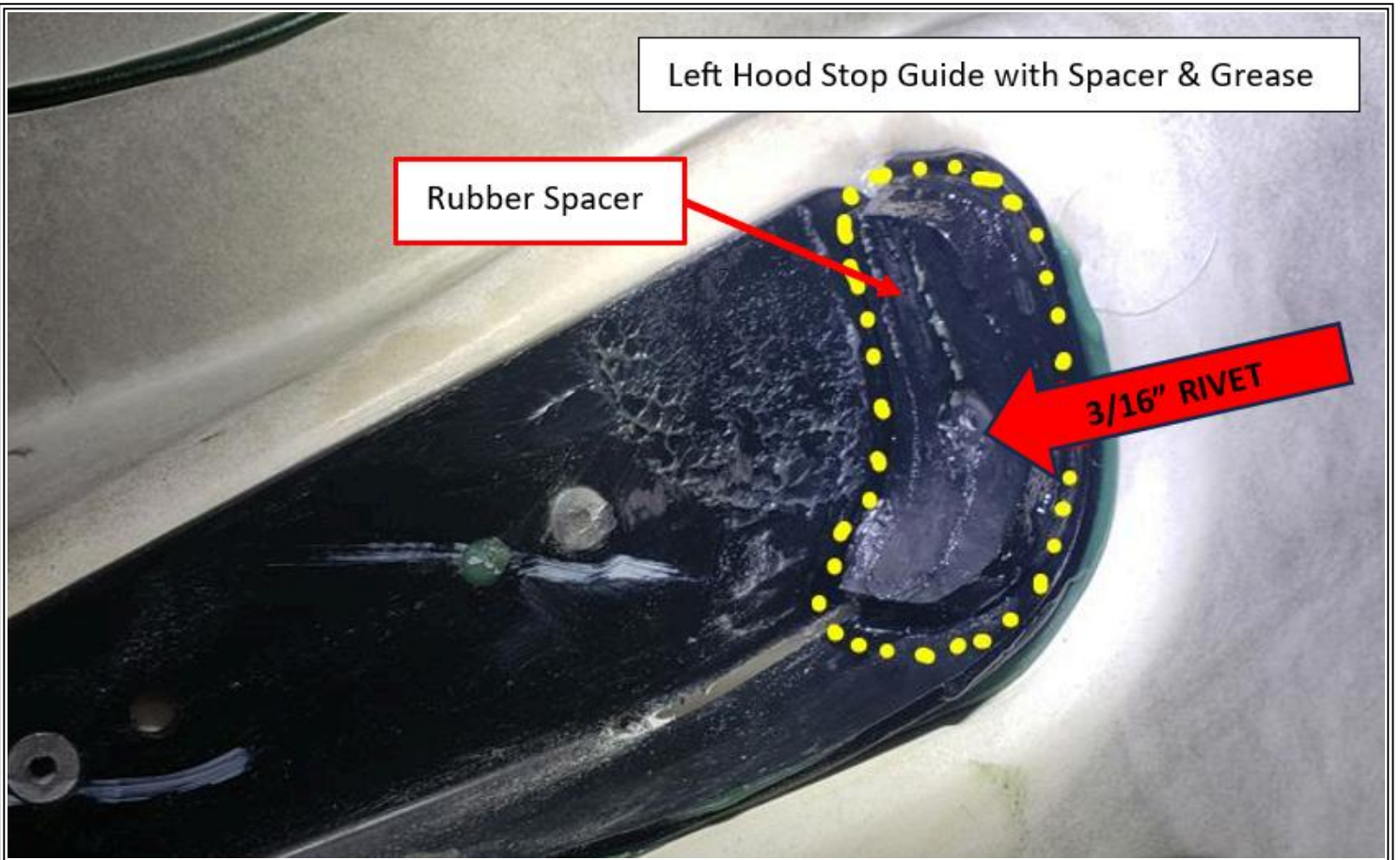


Figure #4: Rubber spacer riveted to hood stop guide with added grease

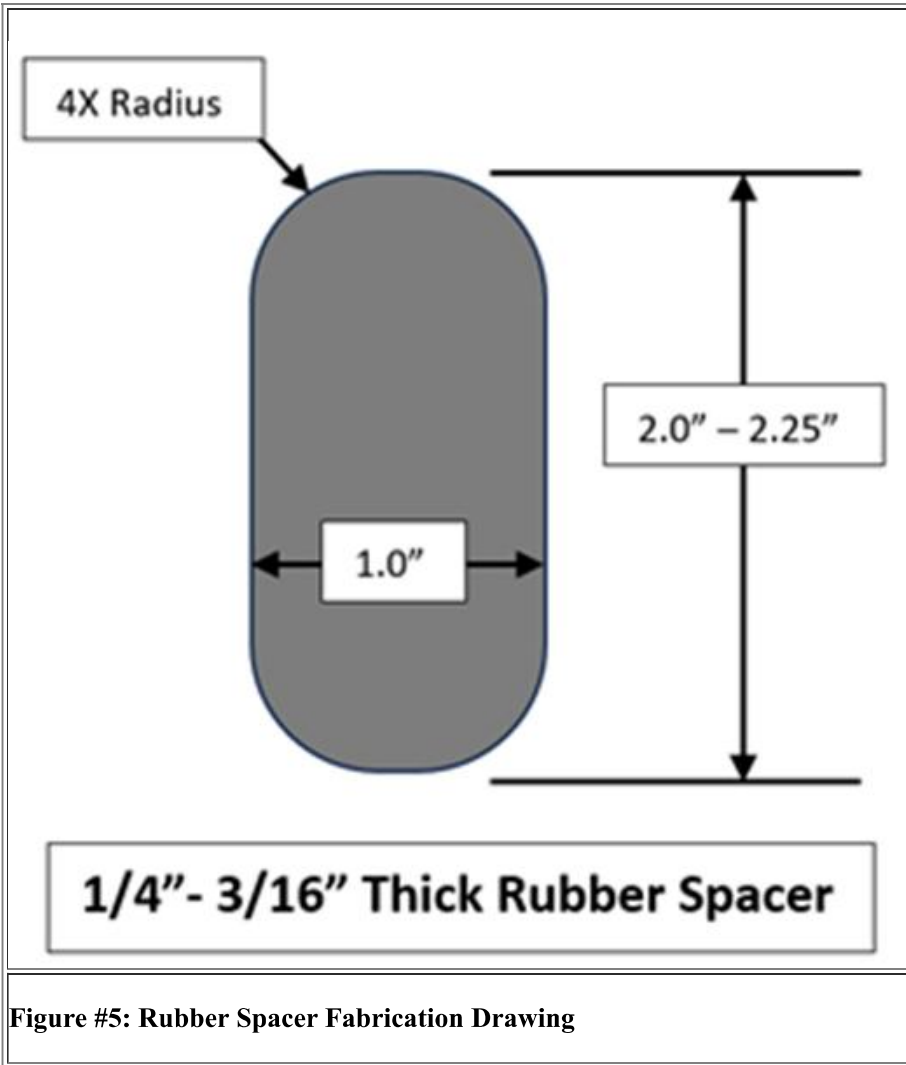


Figure #5: Rubber Spacer Fabrication Drawing

## 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](#)

Hide Details

Feedback Information

Viewed: 128

Helpful: 7

Not Helpful: 0

No Feedback Found