



**Countries:** CANADA, UNITED STATES **Document ID:** IK0300073  
**Availability:** ISIS, Bus ISIS, IsSIR **Revision:** 0  
**Major System:** SPRINGS AND SUSPENSION **Created:** 5/11/2020  
**Current Language:** English **Last Modified:** 7/9/2020  
**Other Languages:** NONE **Author:** Brandon Akridge  
**Viewed:** 58

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Coding Information

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**Title:** Front Suspension Spring Rattle on RE Bus

**Applies To:** RE Bus with mechanical springs (features 03ADC or 03ADD)

## **CHANGE LOG**

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

07/09/2020 - Initial Article Release

## **DESCRIPTION**

This article is for RE Buses that may be experiencing excessive noise in front spring suspension, or seeing the liners/spacers on the front spring assembly protruding or missing.

## **SYMPTOM(s)**

**Customer Observations or Concerns:**

Excessive noise in front spring suspension.

## **SPECIAL TOOL(s) / SOFTWARE**

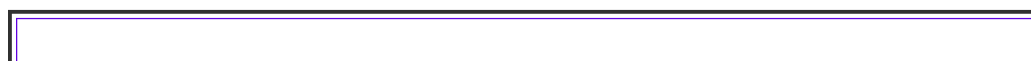
No special tools required.

[Tools Resource Center](#)

## **SERVICE PARTS INFORMATION**

Kit Description	Part Number	Quantity Required	Notes
Insert, Liner Eye	2504926C1	1	
Tape, 3M VHB 5952 1" wide x .045" thk	source locally	3 strips	
Primer, 94 3M	source locally	1	

## **DIAGNOSTIC STEP(s)**






To prevent unexpected movement of the vehicle and possible serious personal injury or death, park the vehicle on a flat, level surface, set the parking brake, turn the engine off, and chock the wheels to prevent the vehicle from moving in both directions.



To prevent injury, always wear your appropriate PPE when you perform vehicle maintenance or service.

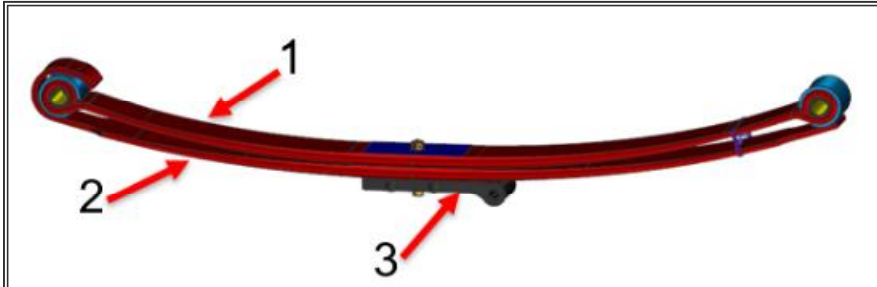
Step	Action	Decision
1	<p><b>DIAGNOSTIC:</b></p> <p>Do you hear excessive/abnormal noise in the front suspension area?</p>	<p><b>Yes.</b> Proceed to step 2.</p>
		<p><b>No.</b> This article does not apply.</p>

Step	Action	Decision
2	<p><b>DIAGNOSTIC:</b></p> <p>When inspecting the front springs, are the spring liners out of position, as shown below, or missing?</p> 	<p><b>Yes.</b> Proceed to Repair section.</p>
	<p><b>No.</b> Search for other iKnow articles on front end noise.</p>	

## **REPAIR STEP(s)**

### **REMOVAL PROCEDURE**

Note: Springs should be handled as carefully as possible to minimize chipping and scratching of the paint.

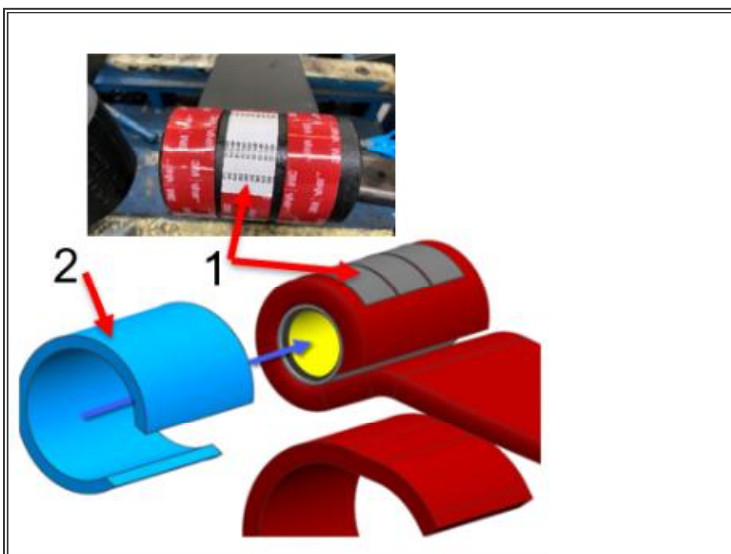


**Figure 1: Spring Assembly**

Item 1: Leaf 1  
Item 2: Leaf 2  
Item 3: Spring Seat

1. Remove Spring assembly from bus
2. Lay assembly on its side, clamp the seat area, see Figure 1, using a large C clamp (do not clamp surface of the spring)
3. Use vice-grip on bolt head to prevent from spinning
4. Use impact wrench to remove the nut, and remove center bolt. Save parts for installation steps.
5. Unclamp seat and take leaf 1 and 2 apart

### **INSTALLATION PROCEDURE:**



**Figure 2: Adding Tape**

Item 1: VHB Tape  
Item 2: Eye C-liner

1. Using Leaf 1, apply Primer 94 to remove oil on eye section of spring
2. Apply 3 strips of adhesive tape on top of the eyes on both ends as shown in Figure 2 above
3. Press in the C-liner into place over the tape

4. Reassemble Leaf 1 and 2 together by clamping the seat back in place(reference Figure 1). Note: Make sure liners, brackets and leafs are all square prior to final assembly.
5. Install center bolt and nut, torque to 80 ft-lbs.
6. Reinstall leaf spring assembly to bus.

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## **WARRANTY INFORMATION**

### **Warranty Claim Coding:**

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

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### **Standard Repair Time(s):**

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

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## **OTHER RESOURCES**

[Master Service Information Site](#)

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