

# Uncontrolled Copy

ID # CBR-2246

Version 5

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## Title

Z Spring Bracket Wear Complaint

## Abstract

There has been a rise in questions regarding Z spring bracket wear due to the limited amount of information available.

## Content

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## Valid For

Mack Chassis - All models equipped with the RADD-A4V and RADD-A2V

Volvo Chassis - All models equipped with the RADD-A4V and RADD-A2V

## Overview:

An increase in inquiries has been observed regarding Z spring bracket wear. This is likely due to the limited availability of detailed guidance on acceptable wear characteristics. The following information is intended to clarify normal operation and acceptable wear limits.


### Normal Operating Condition:

- When the suspension is settled in the straight-ahead position, the Z spring should *float* over the radius leaf spring.
- **Slight contact** between the Z spring and the hanger bracket is considered acceptable.
- During regular vehicle operation, the Z spring is designed to contact both the **inner** and **outer** surfaces of the hanger bracket.

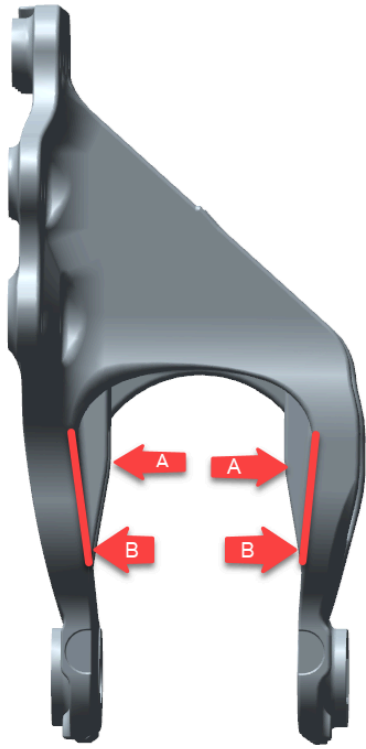
### Wear Limit Feature:


- The hanger bracket includes a **wear feature** designed to restrict the Z spring's travel during steering maneuvers.
- **Inspection Point:**
  - If the Z spring has worn to the **inner and outer flats** of the hanger bracket (designated as area **B** in the illustration below), **the hanger bracket must be replaced.**

### Action Required:

-  **Live UI** Inspect Z spring contact points during routine maintenance.
- **Replace the hanger bracket** when wear reaches the designated flat areas.

**NOTE: Ensure that axle is centered per Wheel Alignment, Specifications in Impact, when replacing hanger bracket.**



<b>A</b>	Wear area
	of maximum wear. When wear reaches this point the bracket will need to be replaced

 Tags

mack

rubbing spring

volvo

z spring

Categories 

Make and Model > Volvo > VN

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Vehicle System > Suspension and Steering

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Make and Model > Mack Americas > CXU/CHU/PI - Pinnacle

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Make and Model > Mack Americas > LEU - TerraPro Low Entry

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Make and Model > Mack Americas > LR

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Make and Model > Mack Americas > TD - Titan

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Make and Model > Volvo > VAH

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Make and Model > Volvo > VHD

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Make and Model > Volvo > VT

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Make and Model > Mack Americas > MRU/TE - TerraPro

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