

RUBBER SHEAR SPRING REPLACEMENT CRITERIA

A Guide to Your RV's Rubber Suspension System

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Rubber Shear Spring Inspection

Rubber shear springs should be periodically inspected for any tears or cracks. It is recommended to inspect them during each oil change. If a rubber spring exhibits a 3 inch long and $\frac{3}{4}$ inch deep crack or tear, the rubber shear spring should be replaced. This can be checked by using a flat tool such as a putty knife. The putty knife can be used to probe the rubber shear spring in the affected area. If the knife can be inserted $\frac{3}{4}$ inches deep, by at least 3 inches long, the spring rate of the spring is affected and should be replaced.

Note: It is normal to see rubber spring weather-checking, which is small surface cracks in the rubber. Weather-checking or spider-webbing does not require a rubber spring to be replaced.

There are several factors that can cause the rubber shear springs to wear over time. Some of these factors are:

- **Extreme Weather**
Taking your unit from extreme cold conditions to extremely warm conditions can cause the rubber shear springs to expand and contract thus causing the natural rubber to begin to wear over time.
- **Overloading**
Every unit has specific axle weight rating specifications. Overloading your unit past its axle weight rating can cause premature wear on your rubber shear springs.
- **Excessively Rough Roads**
The sole intention and purpose of the MORryde rubber shear spring design is to absorb damaging road shock caused by rough roads. The more road shock the shear springs absorb, the less you feel in your unit. Excessively rough roads can cause the shear springs to wear.
- **Salty Climates**
Salt naturally deteriorates rubber when they come in contact with one another. Salty climates such as areas near the ocean, and specifically ocean water, can cause damage to the integrity of the rubber shear spring.

Shear springs do not need to be replaced until a tear goes all of the way across the body of the shear spring and works its way into the shear spring a minimum of $\frac{3}{4}$ inches. Please refer to the images to the right for replacement criteria. If your rubber shear springs are showing sign of significant wear, please contact a MORryde Customer Service Representative at (574) 293-1581.

