

# RUBBER SHEAR SPRING

## REPLACEMENT CRITERIA

### Rubber Shear Spring Inspection

Rubber shear springs should be periodically inspected for cracks or tears. It is recommended to inspect them during each oil change, and you must have the vehicle weight on the axles. To inspect shine a flashlight onto the rubber shear spring and look for cracks or tears in the rubber. It is common for rubber shear springs to exhibit small surface cracks or show signs of weather-checking, that is a normal characteristic of rubber. If a spring exhibits a tear at least 3" wide by  $\frac{3}{4}$ " deep, the 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  $\frac{3}{4}$ " deep, by at least 3" long, the spring rate of the spring is affected and should be replaced.

#### THINGS TO CONSIDER:

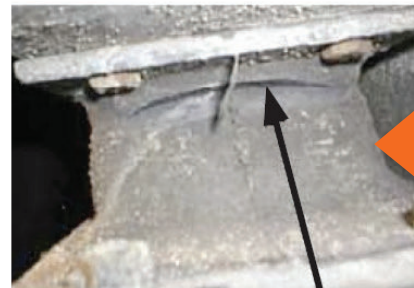
- As mentioned above, it is normal to see rubber spring weather-checking, which is small surface cracks in the rubber. Weather-checking or spider-webbing does not require a rubber spring to be replaced.
- Like tires, rubber shear springs are wearable components that may require replacement over time. Depending on the operating environment, it is common practice for MORryde to recommend springs of differing durometers to maximize the life and/or performance of the rubber spring.
- Every unit has specific axle weight rating specifications. Overloading your unit past its axle weight rating can cause premature wear on your shear springs.
- Shear springs do not need to be replaced until a tear reaches the  $\frac{3}{4}$ " deep by 3" long criteria. Please refer to the images to the right for replacement criteria. If your rubber shear springs are showing signs of significant wear, please contact the MORryde Parts Department at (574) 293-1581.



No signs of tearing. Springs SHOULD NOT be replaced



Initial signs of wearing. Springs SHOULD NOT be replaced.



1/4" deep tear. Inspect springs periodically for deeper tearing.



Tears exceed 3" long and  $\frac{3}{4}$ " deep, springs SHOULD be replaced.



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