SS 1034019 Cascadia Steer Axle Suspension
Dual leaf Spring Squeak.

Subject: Cascadia dual leaf steer axle spring squeak.


Symptoms: Customer complaint of a very annoying squeak / noise from the steer axle dual leaf spring. The noise originates between the spring leaves at the forward spring bushing / wrap.

Issue: When the front springs deflect there is a slight relative movement between the spring leaves at the forward spring bushing / wrap which can result in an annoying squeak.

Solution: A "Low Friction UHMW Wear Resistant Material" installed between the spring leaves at the forward spring bushing / wrap has resolved the front spring squeak complaints. The dealer will need to order a sheet (1 yard) of low friction UHMW wear resistant material from McMaster-Car and cut the material into 3" x 4" shims as required. Reference McMaster-Car P/N 76445A935.

Work Instruction:
1) Park the truck on a level surface, shut down the engine, set the parking brakes and chock the rear tires.
2) Using a frame jack raise the front of the truck until the weight is taken off of the steer axle springs and a gap appears between the spring leafs at the forward spring wrap.

3) Remove the paper from the shims exposing the adhesive backing.

4) Install the shim between the spring leafs where the two springs make contact at the forward spring wrap. Reference Photo's 1 & 2.

5) Note: The shim is 4" x 3" and should be installed with the 4" section covering the spring side to side and the 3" section installed fore/aft.

6) Lower the frame and remove the frame jacks.

7) Confirm that the shims are compressed between the spring leafs.

Photo 1 New Cascadia Left Hand Side

Photo 2 New Cascadia Right Hand Side