

SS 1034019 Cascadia Steer Axle Suspension Dual leaf Spring Squeak.

Subject: Cascadia dual leaf steer axle spring squeak.

Models Affected: Freightliner Cascadia and New Cascadia's, 2017, 2018 & 2019 Model Year vehicles equipped with a dual leaf steer axle spring.

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

Issue: When the front springs deflect there is a slight relative movement between the spring leafs 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 leafs 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.

McMASTER-CARR

76445A935

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Wear-Resistant Low-Friction UHMW Surface-Protection Tape

	Wd.	Material Thick.	Adhesive Thick.	Adhesive Type	Temp. Range, °F	Clarity	Color	1 yd. Lg. Each	5 yd. Lg. Each	18 yd. Lg. Each
0.067" Thick.	0	0.005"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A835 16.40	76445A747 40.00	76445A41 105.43
	12"	0.005"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A838 25.12	76445A747 93.11	76445A44 189.17
0.012" Thick.	1/2"	0.01"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A761 5.55	76445A31 14.82	
	3/4"	0.01"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A762 8.25	76445A32 22.04	
	1"	0.01"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A763 11.00	76445A34 28.39	
	2"	0.01"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A764 22.07	76445A33 58.95	
	3"	0.01"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A765 33.08	76445A34 88.37	
	6"	0.01"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A845 13.98	76445A700 61.84	76445A42 165.18
	12"	0.01"	0.002"	Acrylic	0° to 200°	Semi-Clear	White	76445A858 36.43	76445A767 107.89	76445A46 288.19
0.022" Thick.	1/2"	0.02"	0.002"	Acrylic	0° to 120°	Semi-Clear	White	76445A911 7.36		
	1"	0.02"	0.002"	Acrylic	0° to 120°	Semi-Clear	White	76445A771 22.32		
	2"	0.02"	0.002"	Acrylic	0° to 120°	Semi-Clear	White	76445A774 44.56		
	6"	0.02"	0.002"	Acrylic	0° to 120°	Semi-Clear	White	76445A915 21.74	76445A781 133.87	
	12"	0.02"	0.002"	Acrylic	0° to 120°	Semi-Clear	White	76445A919 44.17		
0.036" Thick.	1/2"	0.031"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A921 12.51		
	1"	0.031"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A772 24.33		
	2"	0.031"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A775 48.57		
	6"	0.031"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A926 22.50	76445A782 145.92	
	12"	0.031"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A929 53.62		
0.067" Thick.	1/2"	0.062"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A931 19.08		
	1"	0.062"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A773 42.41		
	2"	0.062"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A776 84.66		
	6"	0.062"	0.005"	Acrylic	0° to 120°	Semi-Clear	White	76445A935 52.19	76445A783 254.35	

Product Detail

Low-Friction UHMW Surface-Protection Tape, Wear-Resistant, 0.067" Thick x 6" Wide x 1 Yard Long

☐ Each

ADD TO ORDER

In stock

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 leaves at the forward spring wrap.
- 3) Remove the paper from the shims exposing the adhesive backing.
- 4) Install the shim between the spring leaves 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 leaves.



Photo 1 New Cascadia Left Hand Side



Photo 2 New Cascadia Right Hand Side