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Other Languages:	NONE	**Author:**	Matthew Boyer
Viewed:	147		

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Title: 8,000 LBS Front Suspension Lean Correction

Applies To: TerraStar, DuraStar and AE Bus

8/21/2014 - Initial Article Release

Description

Certain TerraStar, DuraStar, and AE Bus models built with a 8,000 LBS front suspension, may experience a chassis lean causing the left front(driver side front) of the vehicle to be lower than the right front(passenger side front). This is caused by a stack up of different component locations on the truck, which cause a weight bias to one side. When this condition is present on a truck equipped with IROS rear air ride suspension, the right rear can be higher than the left rear.

- Replacing a leaf spring for a TerraStar, DuraStar, or AE bus will not correct a lean condition where the left front is lower than the right front.

Inspection

1. Park the truck on flat, level ground

2. Using a tape measure, measure the front of the truck from the frame rail to the ground

3. If the left front is lower than the right front by a measurement that is greater than 3/8", then a spacer needs to be installed

Spacer Installation

1. Block the wheels of the truck with wheel chocks

2. Jack up the front of the truck, and support the chassis with jack stands placed under the frame rails

3. Using a floor jack, support the front axle to keep it from falling once the U-Bolts have been removed

4. Remove the U-Bolts

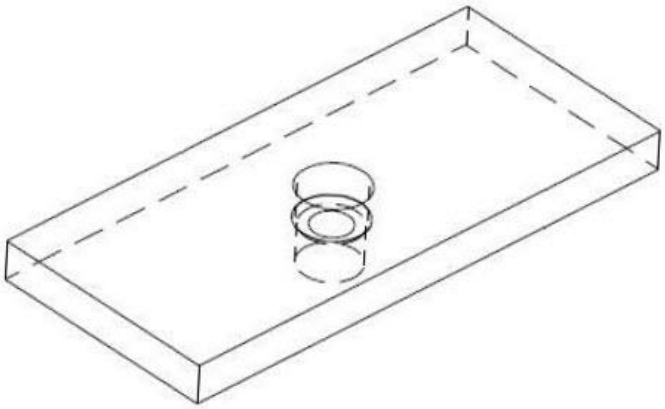
5. Lower the jack to create enough space between the spring and the axle to insert the spacer

6. Insert the spacer with the tab pointed down. Ensure that the lower tab fits into the hole in the axle, and the center pin tab of the spring fits into the spacer. Raise the floor jack to take up all space between the spacer, the axle, and the spring

7. Install the new U-Bolts. In a diagonal pattern, torque the U-Bolts in 50 FT-LBS increments

8. Torque U-Bolts to a final torque value of 260 FT-LBS to 300 FT-LBS(192 N·M to 222 N·M)

Parts Information



Spacer 2512808C1

Part Number	Description	Quantity Needed
2512808C1	Spacer- 3" wide by 1/2" Thick	1
3668117C1	New U-Bolts- One inch longer	2
416743C1	Nuts for U-Bolts	4

Labor Information

Operation	Description	Hours	Group	Noun
A03-200	Install Front Spring Spacer	0.7	03000	523

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