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Title: Spicer® XC™ Center Bearing Installation

Applies To: Vehicles Built with Dana Heavy Duty Drive Shafts

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

10/16/2014 - Initial Article Release

Description

The Spicer® XC™ center bearing is an adjustable center bearing which can be adjusted to account for varying driveshaft or center bearing bracket angles. If these center bearings are not aligned properly, the isolator can become dislodged causing damage to the center bearing. This damage occurs because the driveshaft or the driveshaft yolk rubs on the isolator.

Alignment

The proper alignment of the center bearing is when the isolator(rubber) of the center bearing isolator is perpendicular(at a right angle) to the driveshaft. The steel cage of the center bearing floats around the center bearing. The steel cage has slots in it so the isolator can be adjusted as much as 10 degrees in either direction.

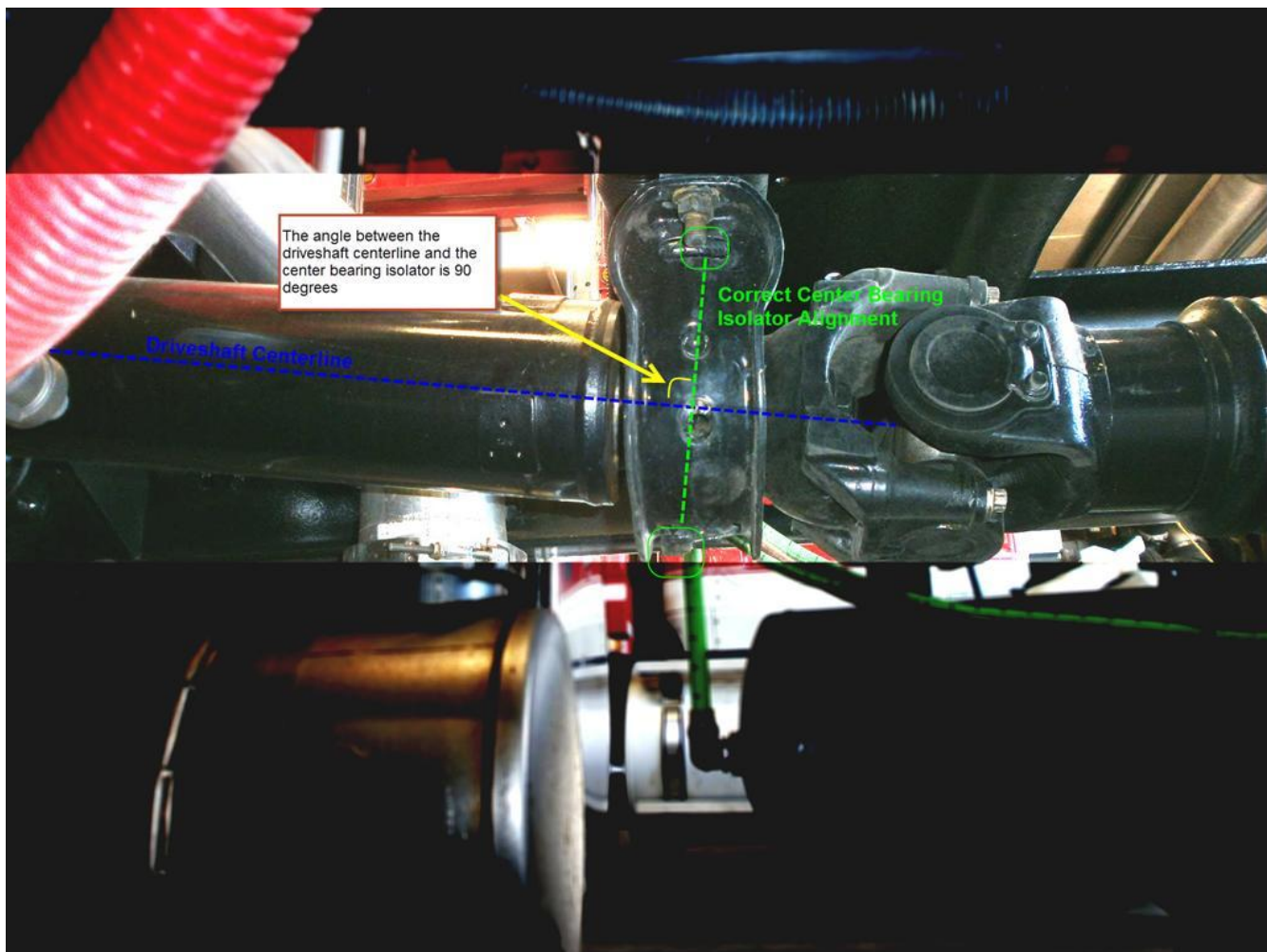
Driveshaft Installation

1. Only install one driveshaft at a time
2. Attach the u-joint to the yolk at the end opposite of the center bearing
3. Using a driveshaft jack or suitable lifting device, lift the driveshaft until there is a slight gap from the center bearing to the center bearing bracket
4. Grab the edges of the center bearing cage and move it until the bolt holes on the center bearing are parallel with the center bearing bracket
5. Raise the jack or lifting device, install the center bearing mounting hardware and torque to specifications
6. Make sure the center bearing isolator is perpendicular to the driveshaft centerline

Incorrect Installation



Correct Installation



Standard Repair Time

Operation	Description	Hours	Group	Noun
A06-161	Replace Center Bearing Assembly	1.3	06099	101

Additional Resources

[Spicer Driveshaft Service Manual](#)

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