



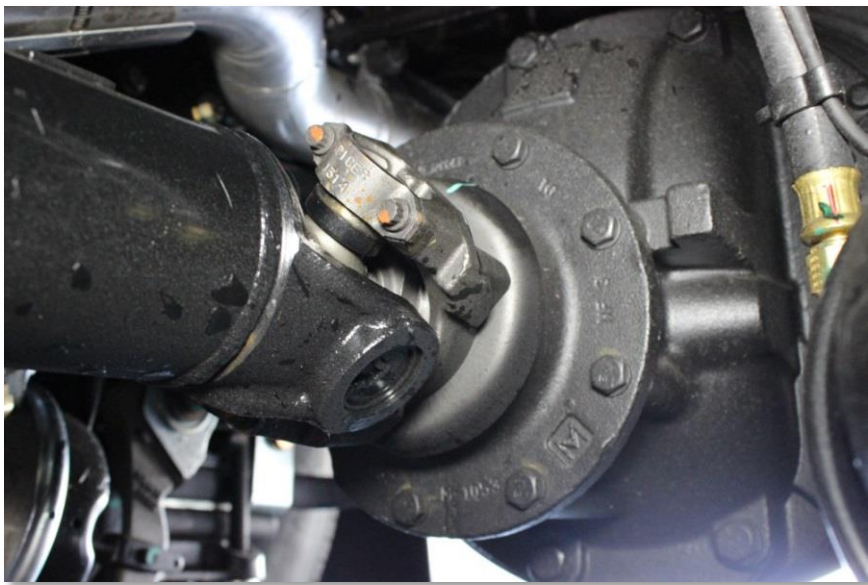
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Carolina Thomas Bus Buzz
July 10, 2014

Torque Tips for Meritor 7.17:1 Rear Axle Ratio

A wise service technician once said, “An ounce of prevention is worth a foot-pound of cure.” This is especially true and important when installing and/or servicing a bus rear end.

Service manuals typically include only standard equipment. The Thomas Saf-T-Liner C2 uses an optional Meritor rear end to meet the NC state specifications for a rear axle ratio of 7.17:1. It is **absolutely essential** to use the proper amount of torque when installing and/or servicing a Meritor rear end.



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The Proper Amount of Torque Is Critical

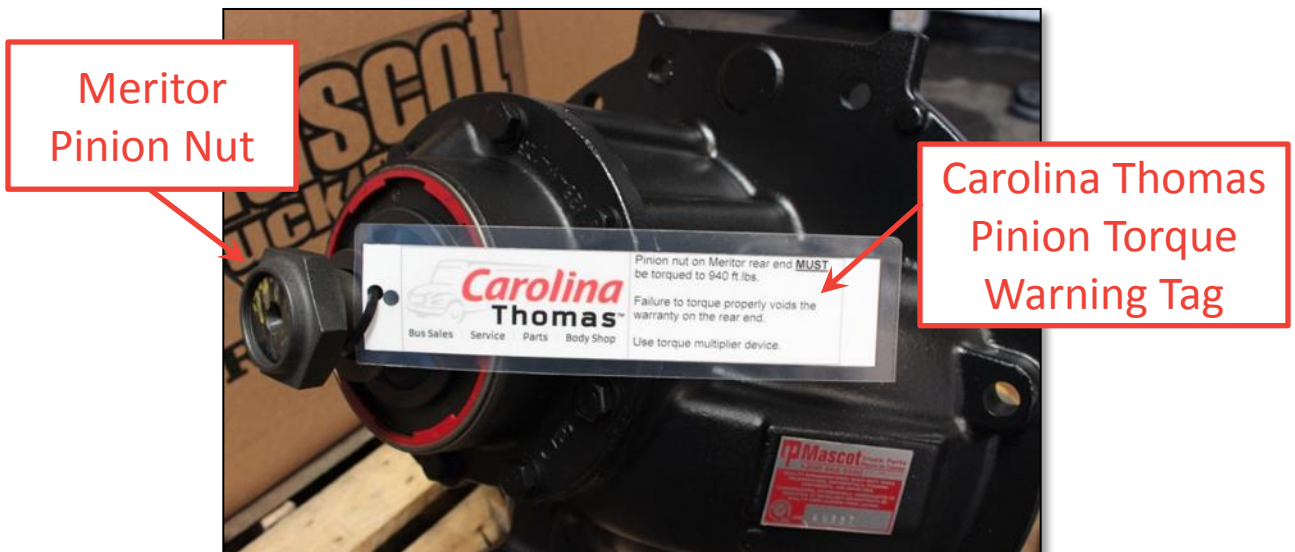
When installing a Meritor rear axle with 7.17:1 rear end ratio, the pinion nut **must** be torqued to 940 foot-pounds. **This precise amount of torque is critical to prevent an additional failure.**

If you're thinking 940 foot-pounds sounds like a lot, you are correct! At Carolina Thomas, we use a torque multiplier tool like the one pictured below to ensure the proper amount of torque is applied every time.



The information contained in this issue of The Bus Buzz is intended to keep you informed of important service and warranty requirements for your Saf-T-Liner C2 bus. In addition, Carolina Thomas has taken the following steps:

- 1. C2 Chassis Service Manual** - We have requested that Freightliner include a statement indicating that your bus **may** be equipped with an optional brand of rear end. Since service manuals are intended for **all** customers, we may or may not be able to make this happen, but we have made the request.
- 2. Warning Tag** – On replacement parts, we are now shipping a warning tag on the rear end regarding torque requirements.



If you have specific questions not answered in this service bulletin or need additional information, please call our Service Department at 1-800-440-3492 Ext. 380. We will be happy to assist you with the answers you need.