Daimler Trucks North America LLC

Caliper Bolt Inspection

January 2018

Customer Advisory

Subject: Brake Mounting Caliper Bolt Inspection, 6 Wheel Positions

Models Affected: Specific Freightliner Cascadia, manufactured up to October 31, 2017, and equipped with air disc brakes.

Our records indicate that you are the owner of certain vehicles, and DTNA has decided to share the following documentation with you.

This documentation applies to Freightliner, Cascadia, 2018 Year Model vehicles manufactured up to October 31, 2017.

IMPORTANT: DTNA is requesting that you remove all wheel ends front and rear to investigate bolt torque on the brake calipers. We are requesting that you record the last six digits of the VIN, the mileage, and document your findings. If the bolts do not meet torque requirements on any of the wheel ends, we are also requesting that you document which wheel end, how many of the bolts on that wheel end, which specific bolts are not meeting torque requirements. This data is vital in completion of this investigation and we appreciate your willingness to assist with this investigation and providing this important data.

Caliper/Carrier Assembly Inspection and Installation – Bendix

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the rear tires.
2. Raise the vehicle so all wheel ends are off of the ground, and support it on jack stands.
3. Remove all of the wheels.

4. Check the caliper mounting bolts by hand to see if they are loose. See **Fig. 1**.

   4.1 If the caliper mounting bolts are hand loose or missing (finger tight or visible gap between caliper, bracket, and/or bolt head), document which wheel end and which fasteners are loose or missing. Replace the missing or hand loose bolts, and check for damage to the caliper and mounting plate and replace as needed. Inspect friction material and replace per axle if there is damage.

   4.2 Use a paint pen to mark the bolt to the caliper to see if the bolt will move. Using a Snap On ½ inch digital torque wrench (p/n ATECH3FR250B), set the torque wrench to 167 lb·ft (226 N·m) and check all of the caliper mounting bolts using the torque sequence. If the bolts move before the torque spec is met, record the torque reading at which the bolt moved and continue to the torque spec. If the bolts move, document the requested information on spreadsheet provided indicating which wheel end and how many bolts did not meet torque.

   NOTE: If a digital torque wrench is not available, mark the fastener and set a clicker to 167 lbf·ft (226 N·m). Note "Yes" if the fastener met torque, and "No" if the fastener did not meet torque.

   4.3 Set the torque wrench to 200 lb·ft and torque all the bolts in the proper sequence.

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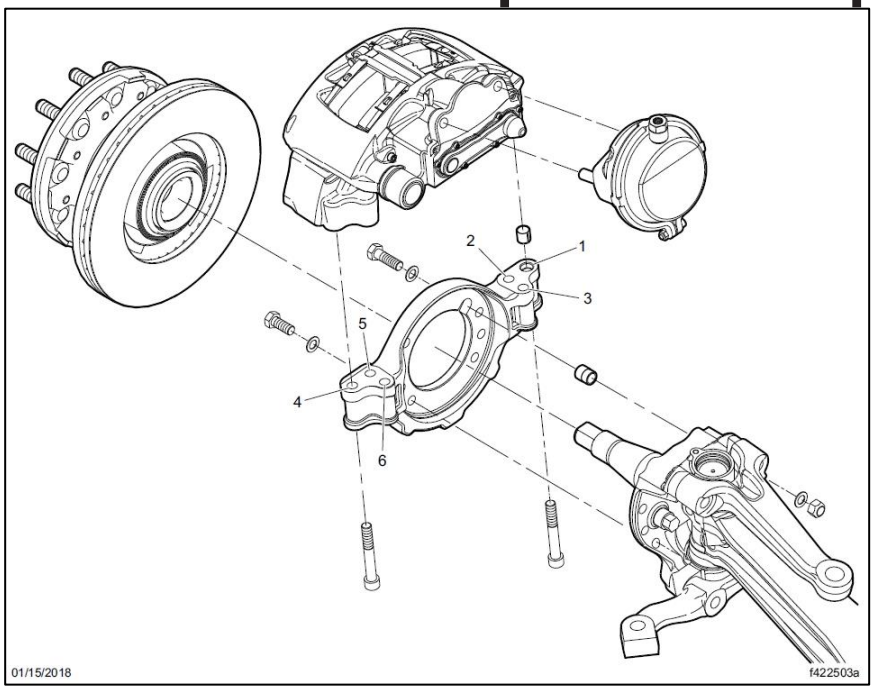
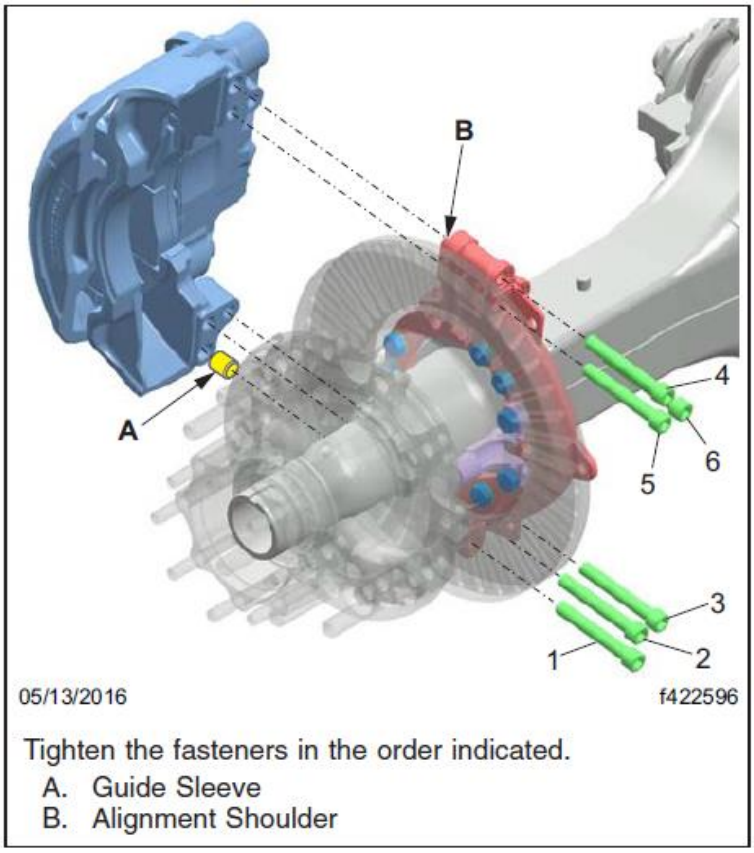


Fig. 1 Bolt Tightening Pattern



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