



TECHNICAL SERVICE INFORMATION BULLETIN

TSIB 21-01 Rev A		DECEMBER 14, 2021
TO:	All Operators	
TITLE:	Meritor Brake Rotor Fastener Torque	
APPLICABILITY:	MCI coaches with Meritor EX225 brakes E4500 – All coaches beginning with MY 2006 to MY 2015 with Meritor EX225 brakes J4500 – All coaches beginning with MY 2006 to MY 2015 with Meritor EX225 brakes D4XXX – All coaches beginning with MY 2006 to MY 2021 with Meritor EX225 brakes	

1.0 Description

Meritor has updated the fastener torque values for the Hub-to-Rotor bolt on the front, drive and tag axles for Meritor EX225 disc brakes with Conventional, PreSet and Unitized Wheel-End (UWE) hubs. Please refer to the pages included in this bulletin to determine what torque specification applies to your wheel end hub configuration and update your MCI Maintenance Manuals with a copy of this bulletin.

2.0 Material Requirements

No materials are required.

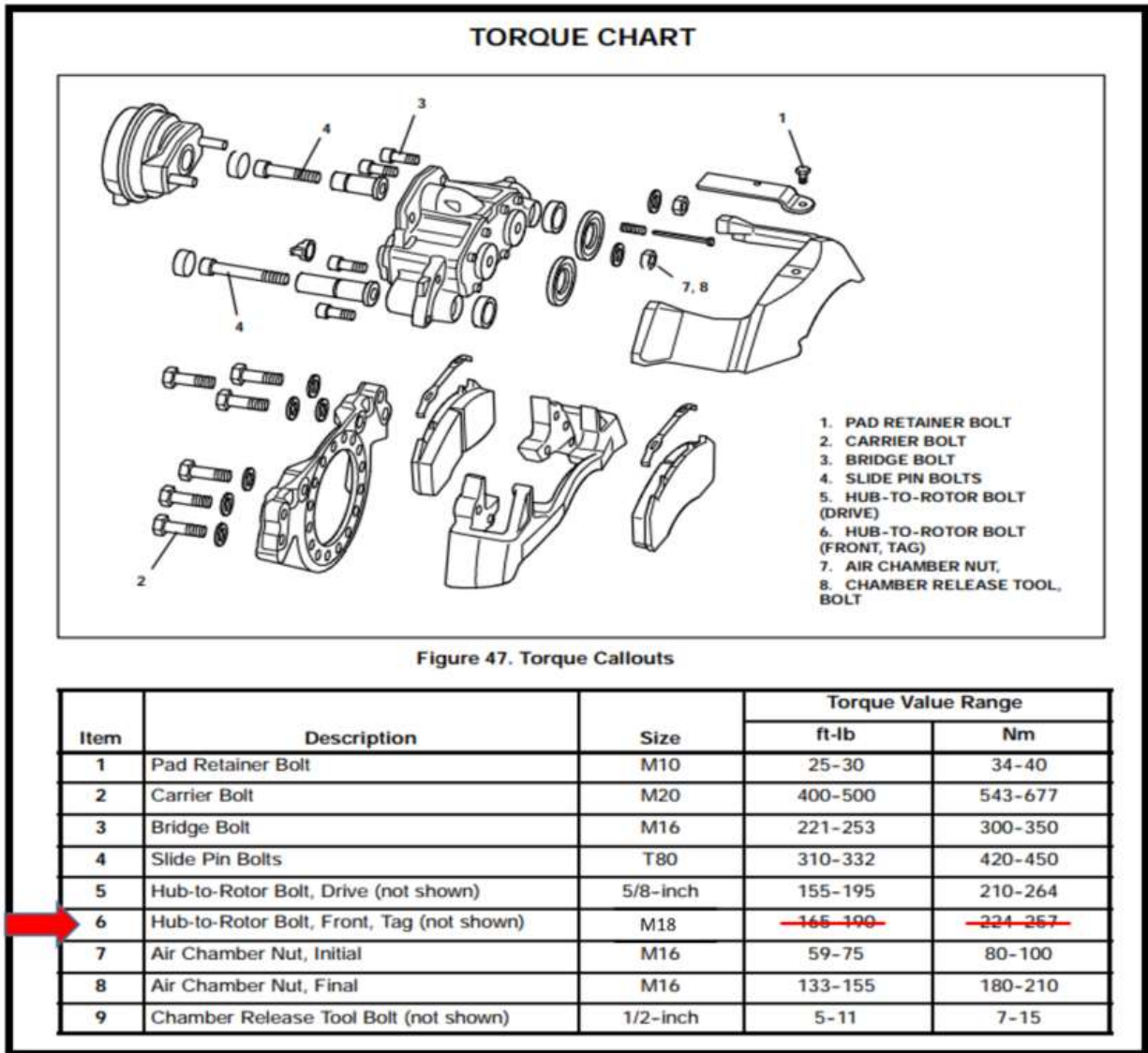
3.0 Special Tools

No special tools are required.

4.0 Procedure

End user to add a copy of this bulletin to Section 4 (Brakes, Disc –EX225), of their MCI coach Maintenance Manual with the updated bolt torque specifications according to the wheel end hub configuration that applies to their coach.

4.1 Unitized Wheel End (UWE) Bearing Configuration for Front and Tag axles using “Hub to Rotor Bolt” MCI PN 15-02-1047

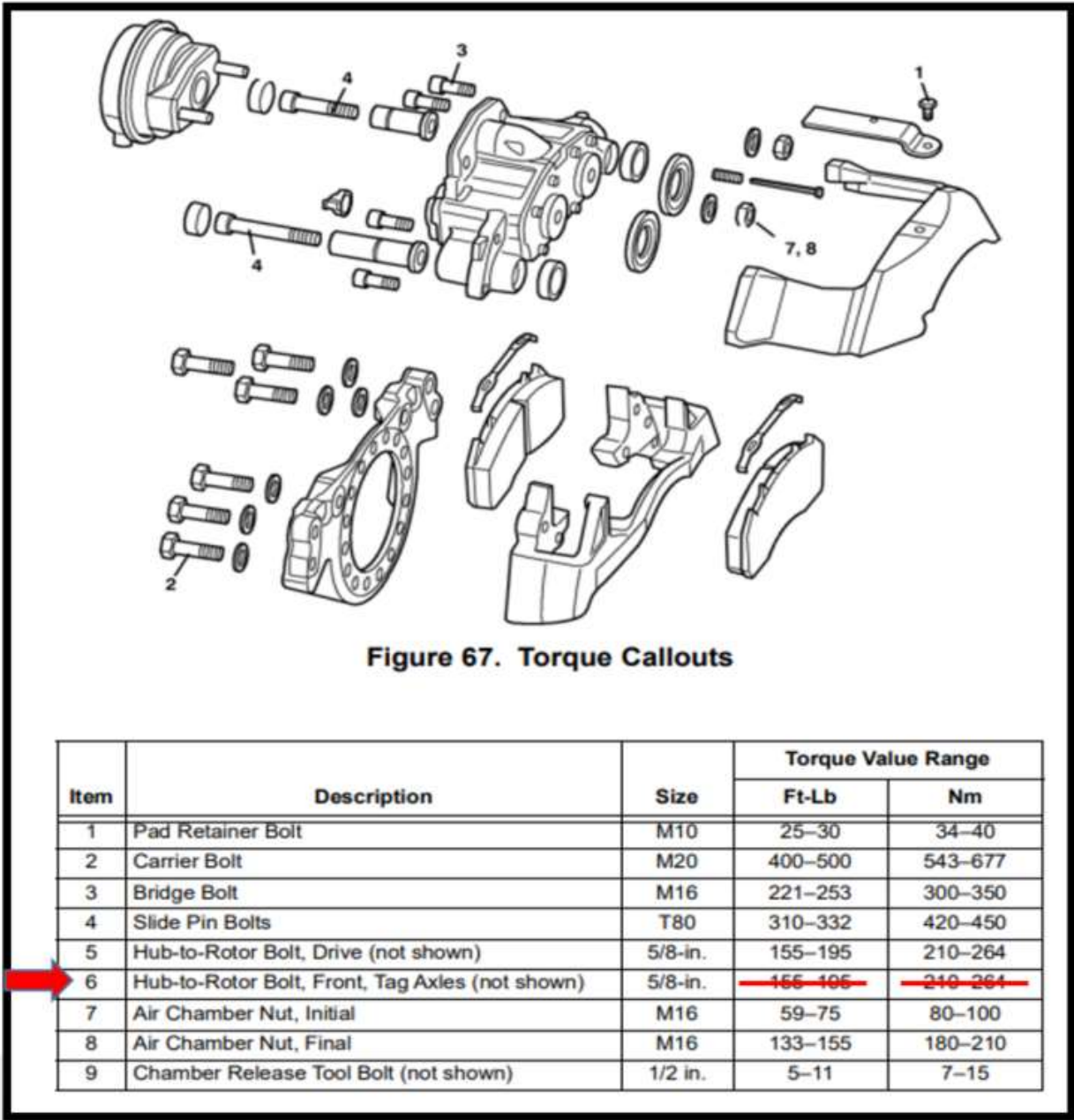


The MCI Maintenance Manual indicates a UWE **Hub-to Rotor Bolt, Front, Tag** torque value of **165-190 Ft-Lb (224-257Nm)**.

This value is now obsolete.

The new UWE **Hub-to-Rotor Bolt, Front, Tag** torque value of **250-300 Ft-Lb (339-406 Nm)** should be used.

4.2 Conventional Wheel Bearing Configuration for Front and Tag axles using “Hub-to-Rotor Bolt” MCI PN 15-02-1064, 15-02-1076 and 15-05-1004

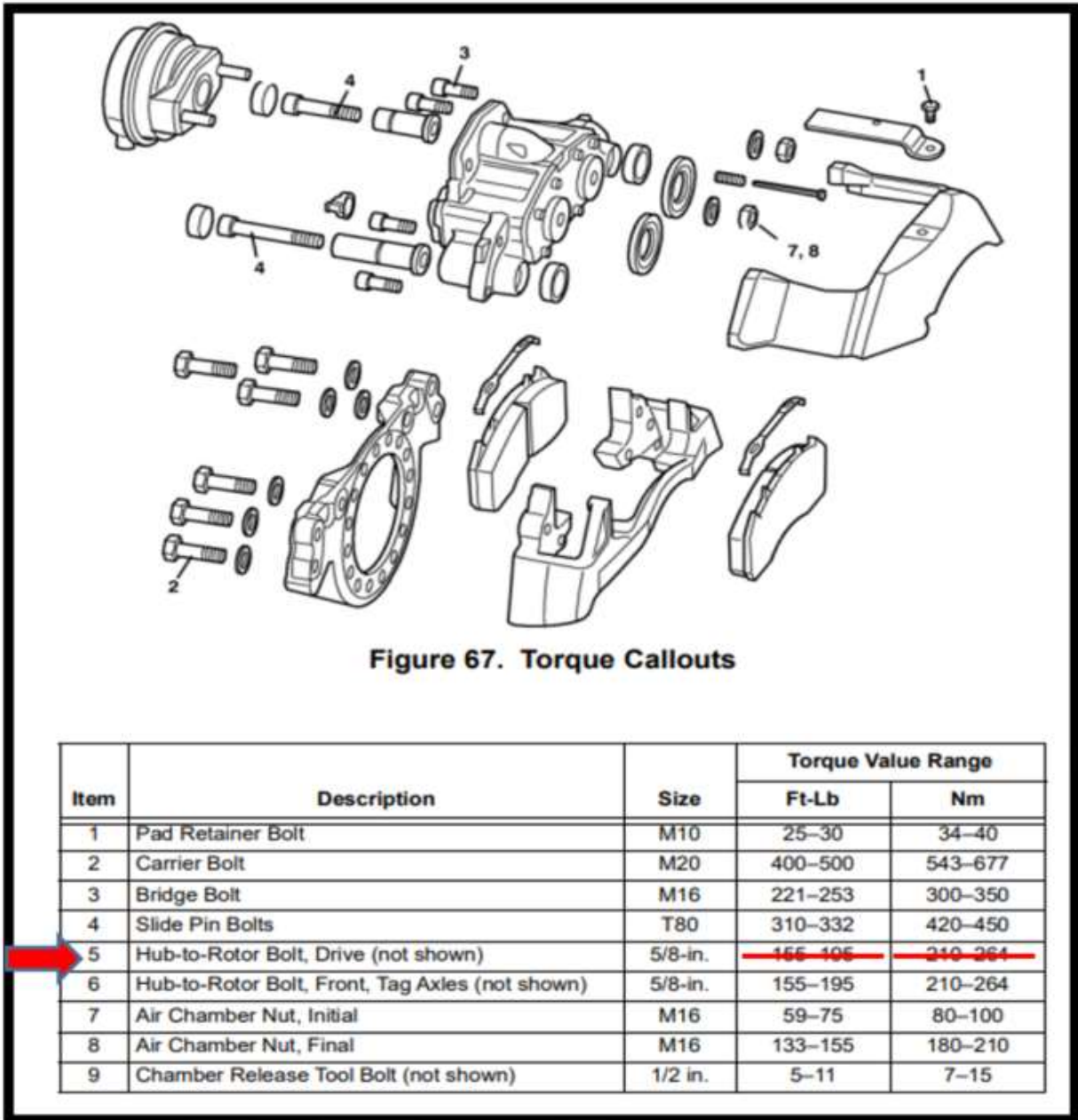


The MCI Maintenance Manual indicates a Conventional **Hub-to Rotor Bolt, Front, Tag Axles** torque value of **155-195 Ft-Lb (210-264Nm)**.

This value is now obsolete.

The new Conventional **Hub-to-Rotor Bolt, Front, Tag Axles** torque value of **220-240 Ft-Lb (298-325 Nm)** should be used.

4.3 Drive Axle PreSet Wheel Bearing Configuration that use “Hub-to-Rotor Bolt” MCI PN 15-03-1013

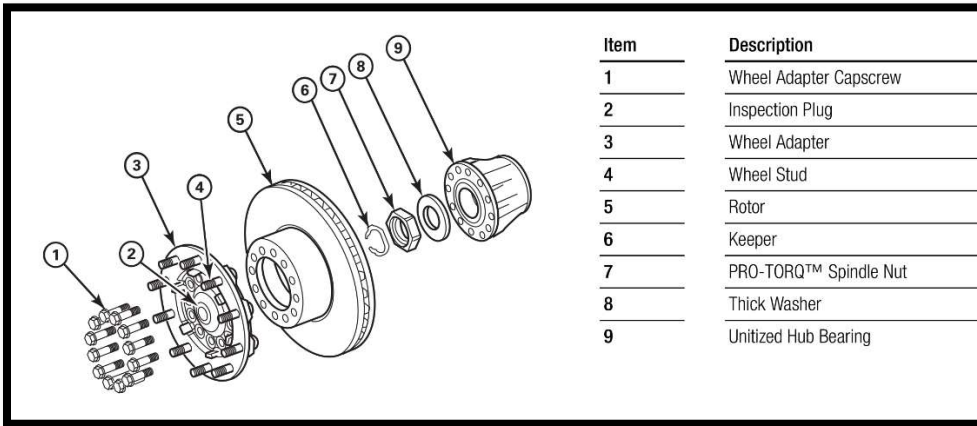


The MCI Maintenance Manual indicates a PreSet **Hub-to Rotor Bolt, Drive** torque value of **155-195 Ft-Lb (210-264Nm)**.

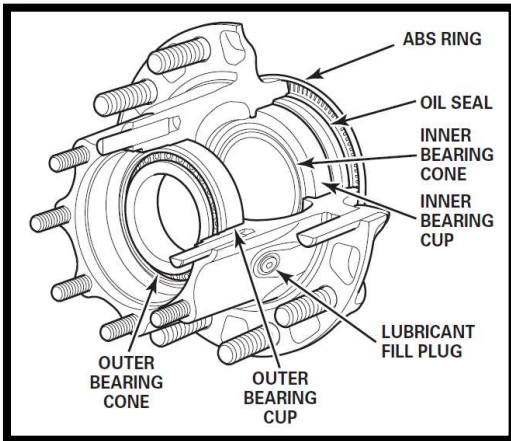
This value is now obsolete.

The new PreSet **Hub-to-Rotor Bolt, Drive** torque value of **210-230 Ft-Lb (285-312Nm)** should be used.

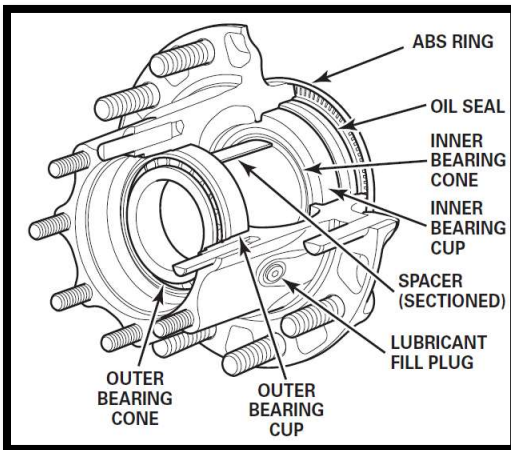
**Reference Views to help identify UWE, Conventional and PreSet Wheel-Ends Bearings
Unitized Wheel-Ends (UWE)**



Conventional Wheel-End Bearing



PreSet Wheel-End Bearing



If you have questions or need further assistance, please contact the MCI Technical Call Center @ 1-800-241-2947.