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Service Tips and Best Practices

Importance of Proper Torque Value and Sequences for Hub Assemblies

Brand	BXT/TITAN-XF	Product	Hub Assembly	Date	June 2020
Part Number(s)	Various				

Issue: Proper Torque Value and Sequence for Hub Assemblies

Typically, a hub assembly is mated to the CV shaft, axle or stub axle by an axle nut. The correct torque value and or sequence for the axle nut sets the exact preload for the bearing while in operation. An impact gun should never be used to tighten an axle nut.

Failure to follow the correct torque value and or sequence may create an under or over torque condition, leading to damage of internal bearing components and premature failure of the hub assembly while in operation.

Solution

1. Always follow the OEM removal and replacement procedure.
2. Always follow the OEM torque value and or sequencing.
3. Do not reuse the axle nut or other assembly hardware.
4. Always use a calibrated torque wrench with the correct socket to set torque values and or perform sequencing. Do not use an impact gun or impact gun with 'torque stick'-type extensions.

By following the above procedure, the bearing will be at the exact operational preload, preventing premature failure of the hub assembly.

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