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Service Tips and Best Practices

Proper Handling of Bearings and Hub Assemblies

Brand	BXT/TITAN-XF	Product	Bearings and Wheel Hub Assemblies	Date	May 2020
Part Number(s)	Various				

Issue: Proper Handling of Bearings and Hub Assemblies

Bearings and hub assemblies are manufactured to precise tolerances and composed of multiple integrated subcomponents. Mishandling and improper installation will reduce service life and contribute to premature failure.

Solution

Follow best handling practices below:

- Store in a dry environment and keep sealed until ready for use.
- Ensure workspace is free of contaminants.
- Never subject a bearing or hub assembly to a strong magnetic source.
- Never subject a bearing or hub assembly to a shock load, such as a drop or impact.
- Never spin a bearing using compressed air.
- Never handle a hub assembly solely using the ABS wire.

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

Follow best installation practices below:

- Follow all OEM removal and replacement procedures.
- Follow the OEM torque value and sequence.
- Only use a calibrated torque wrench during installation. Do not use an impact gun or impact gun with torque stick extensions.
- Inspect all mating surfaces for abnormal wear or damage and ensure mating surfaces are clear of all rust, debris and contaminants.
- Use the correct, contaminant-free lubricating grease when servicing bearings (NLGI #2).
- Do not attempt to service pre-greased, pre-sealed hub assemblies.
- Use correct sized adaptors when press fitting a bearing. Force should be applied evenly across the correct race. Bearing should be installed squarely to the shaft or housing.
- Do not reuse axle nuts and or other assembly hardware (retention clip, bolts etc).

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