MEVOTECH

MEVOTECH INSIDER

Service Tips and Best Practices

Roughness While Rotating New Hub Assembly

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

Issue: Rough or coarse rotation of a new hub assembly

Prior to installation, a professional technician may inspect a new hub assembly by manually rotating it. During this procedure, there may be some initial roughness or resistance encountered.

This condition does not necessarily represent or imply a defective product out of box and the hub assembly should not be condemned immediately as such. This roughness or resistance may arise due to several factors:

1. Depending on length of storage, constituent elements of lubricating grease may settle and or separate. Manually rotating a hub assembly may not provide sufficient rotational force to adequately re-mix, leading to the encountered resistance.

2. Hub assemblies require correct preload for proper operation. Manually rotating a hub assembly prior to installation and or without the correct preload may lead to the encountered resistance.

3. In some cases, due to external seal design, there will be some slight roughness which will subside after several rotational cycles.

Solution

1. Visually inspect new hub assembly for damaged seal or excessive grease leakage. Replace if these defects are found.
2. Rotate outer flange of hub assembly on a flat surface with even downward pressure for abnormal noise or excessive end play. Replace if these defects are found.
3. Complete installation using OEM specified procedures and torque values.
4. Verify operation.

WE SUPPORT ASE CERTIFICATION

DISCLAIMER: The information in this communication is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain vehicles. Refer to original manufacturers service manual for proper torque specifications and removal/installation procedures. All content in the publication is provided as-is and without warranty. All care has been taken to ensure the accuracy of the information presented. The publisher assumes no responsibility or liability for any loss or damage, direct, indirect or consequential, arising from the use of the information contained herein.