

**MEVOTECH INSIDER** 

Service Tips and Best Practices



## Wheel Speed Sensors and Contaminants

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

Some applications feature a knuckle mounted wheel speed sensor where the sensor end is exposed and extended to face the hub assembly's integrated magnetic encoder ring. This allows the sensor end to capture a signal for the correct operation of the ABS system.

When installing a new hub assembly on vehicles with this type of configuration, it is important to inspect for and remove all debris, rust, dirt and grease (collectively contaminants) from all mating surfaces and the sensor end.

Failure to do so may allow contaminants to become loose and become attracted to the magnetic encoder ring and or sensor end. Additionally, contaminants may prevent the hub assembly from becoming properly seated, enlarging the "air gap" between the magnetic encoder ring and the sensor. In both cases, this may lead to the incorrect function of the ABS system and possible damage to the sensor and or hub assembly.

## Solution:

## During installation:

- 1. Inspect knuckle bore and face for abnormal wear and remove all contaminants.
- Inspect axle splines for abnormal wear and remove all contaminants.
- 3. Inspect brake dust shield and remove all contaminants.
- 4. Inspect sensor end and remove all contaminants.

By following this procedure, correct operation of the ABS system is ensured, and premature failure of the hub assembly is prevented.

Technical Support Hotline: 1.844.572.1304

For parts go to: mevotech.com

Publication Number: MI-20-027-03-01-E



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 torgue 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