

SERVICE BULLETIN

UTILITY TRAILER MANUFACTURING CO.



SB-08-222

October 25, 2017

Federal Mogul **National PTFE Spindle Mount Seal**

Attached is the Federal Mogul installation instruction when replacing a National PTFE spindle mount seal with a National PTFE hub mount seal.

Federal Mogul has approved the option to replace the National PTFE spindle mount seal with the PTFE hub mount seal during warranty replacement. If the dealer chooses to replace the spindle mount seal with a FM National PTFE hub mount seal. The UTM 5 year / UTM 7 year warranty will remain intact (Given proper filing procedures are followed).

If you have any questions regarding the information indicated, please call Federal Mogul at 248.354.7700

Field Service Department
UTILITY TRAILER MANUFACTURING COMPANY

Utility hasn't independently evaluated the information contained in the attached product information letter from Federal Mogul; it is making this available as a convenience and for information purposes. You are encouraged to contact Federal Mogul at (248.354.7700) if you have any questions concerning the content of the document, or how these issues affect trailers you are servicing.



FM National Seal Hub Mount Installation Procedures

10/20/17



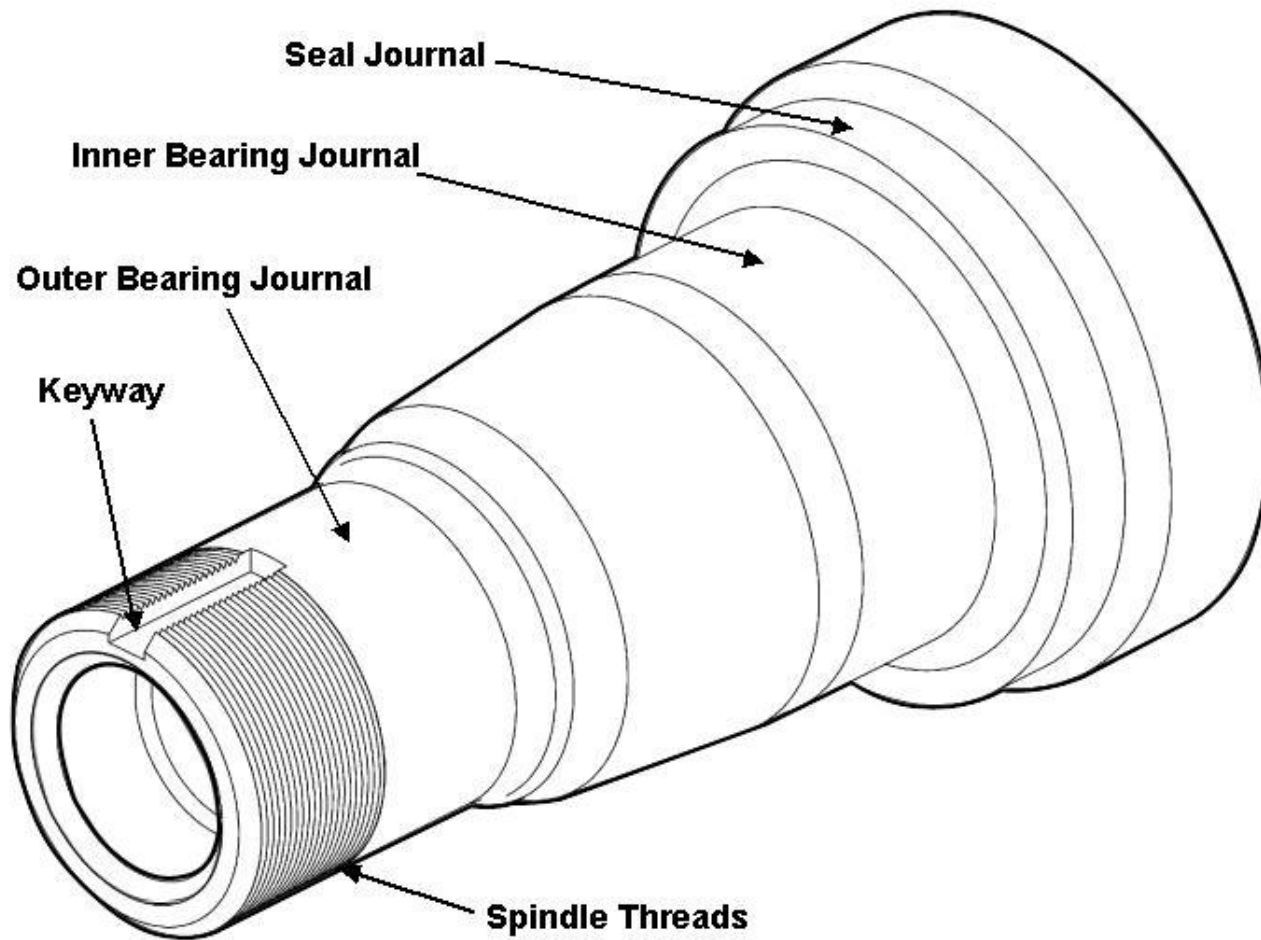


Hub Mount Installation Procedure

Preparing the Spindle



Spindle Terminology



Proper Wear Ring Removal

- Remove wear ring as carefully as possible without damaging spindle in any way.



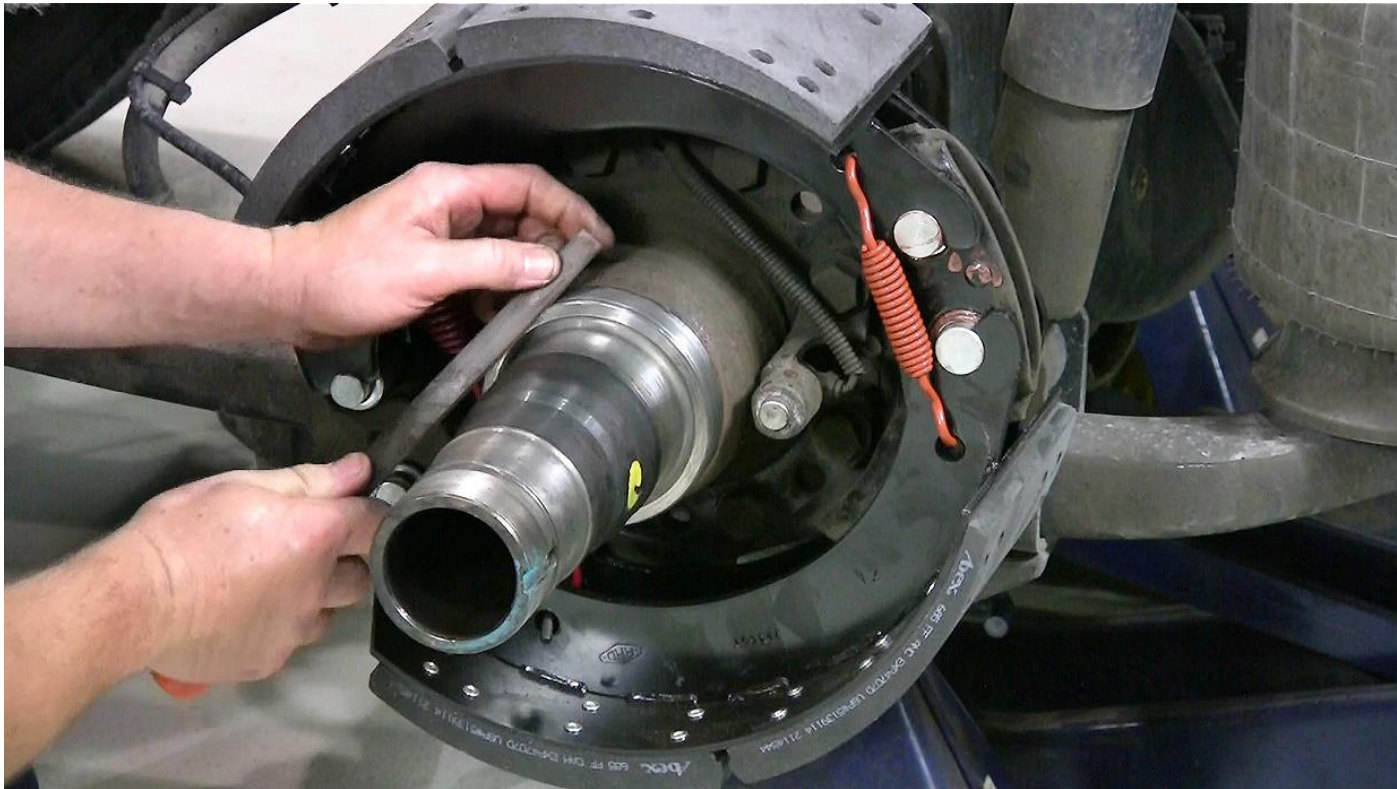
Improper Wear Ring Removal

- Never use any type of punch or tool that can cause damage to the spindle.



Spindle Inspection and Clean Up

- Inspect spindle and spindle chamfers for burrs, nicks, roughness, deep scratches, etc. Clean or correct any imperfection.





Hub Mount Installation Procedure

Preparing the Hub



Hub Inspection and Clean Up

- Inspect hub chamfer and bore for burrs, nicks, roughness, deep scratches, etc. Clean and correct imperfections with emery cloth and wipe clean.





Hub Mount Installation Procedure

Component Selection and Proper Installation



Pre-Lube Bearings

- Pre-lubricate the inner bearing as instructed by your company's work instructions. Insert inner bearing into hub.



Hub Mount Installation Tools and Seals



Seal Installation Tool Part #'s			
FM Aftermarket Seal Part #	Adapter Plate	Pilot Number	Handle
370025A (Nitrile) / 380025A (PTFE)	RD306	RD413	RD296
370065A (Nitrile) / 380065A (PTFE)	RD310	RD412	RD296



Hub Mount Seal Installation

- Using the correct tool, place the seal onto the adapter plate until it is flush. The words “AIR SIDE” are to face the plate and “OIL SIDE” is to be opposite the plate.
- If the OD of the seal has rubber, wipe a thin film of clean application fluid to the OD of the seal. Do not use silicone.
- Hold the tool straight and drive the seal into the hub with firm hits on the end of the tool handle until the sound of impact changes. Check that the bearing rotates freely.



Hub Mount Seal Installation

Pre-Lube Rubber Seal I.D.



- Wipe a thin film of clean application fluid to the ID of the seal. Take care not to get oil onto the face of the seal.



Hub Mount Seal Installation

Proper Wheel Installation



- Assemble hub over spindle. Fill with grease or oil as necessary. Install outer bearing onto spindle as prescribed by the bearing manufacturer.



Hub Mount Seal Installation

Bearing Adjustment

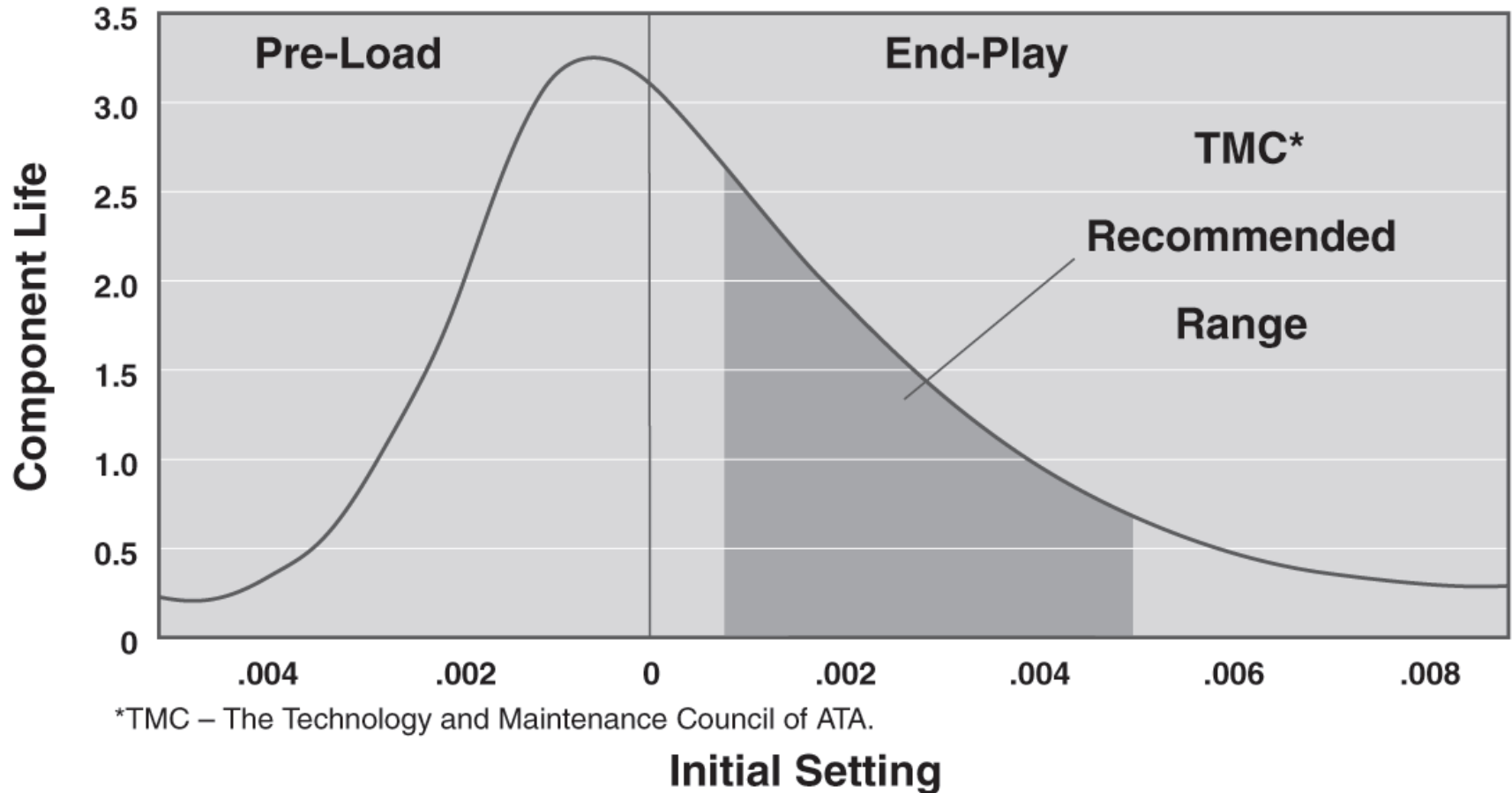
(Torque Adjusting & Locking Nuts to Specification)



- Fasten spindle nut to the proper adjustment procedure. Install hubcap using the proper bolt torque.



Recommended End Play Range



Hub Mount Seal Installation

Check For Proper Oil Fill Level



- Finish the grease or oil fill as necessary.



Hub Mount Seal Installation

Secure Oil Plug



- Secure oil plug as necessary.

