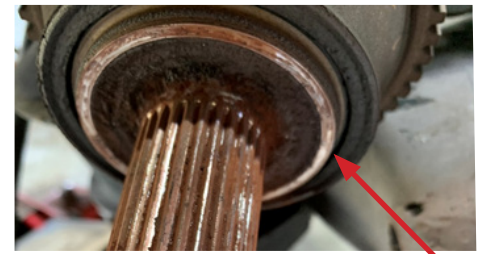


Application: 2002-2010 Ford Explorer, Explorer Sport Trac, Lincoln Aviator, and Mercury Mountaineer.

- ▶ **Symptom:** Occasional rubbing or squealing noise due to metal-to-metal contact coming from the wheel area after wheel hub bearing replacement. The noise will occur when driving and may be more prominent during slow speed turning.
- ▶ **Cause:** The Hub is not fully pressed/seated into the Bearing during installation.
- ▶ **Solution:** Make sure the Hub is completely and fully seated into the Bearing when pressing the Hub into the Bearing and Knuckle assembly.



Notice the shiny area on the CV Housing which indicates touching/contact with the Hub Bearing outer race and Bearing Retaining Clip.

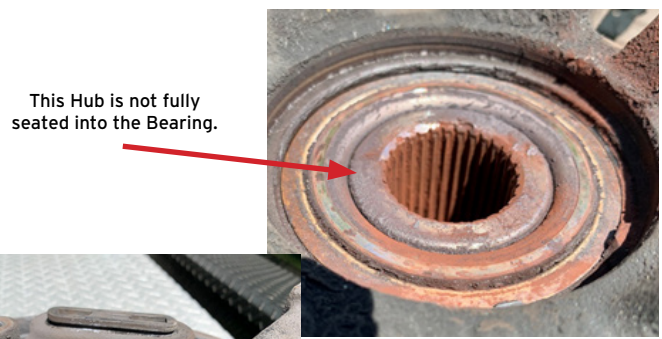


Note: Components required for a typical GEN 1 Hub Bearing replacement include, a Bearing, Hub, Retaining Ring, and Axle Nut.

This problem can also occur on other vehicles with GEN 1 Hub Bearings.

If the Hub is not fully seated when pressed into the Bearing during installation, the Drive Axle/CV Joint can contact the outer Bearing Race and Retaining Ring, causing a rubbing noise when driving, which can lead to the misdiagnosis of a defective Bearing. When pressing in the Bearing and Hub, a Bearing Press with a minimum of 20-ton capacity should be used to ensure the Bearing and Hub are correctly installed and fully seated. The correct press adaptors and press support plates should be used to properly press and support the Bearing, Hub, and Knuckle assembly during installation. Make sure to completely seat the Hub when pressing it into the Bearing. Torque all mounting bolts and the Drive Axle Nut to proper specifications with a Torque Wrench during final assembly on the vehicle.

Note: This problem can also occur on other vehicles with GEN 1 - press-in type Hub Bearings if the correct tools, equipment, and procedures are not followed.



This Hub is not fully seated into the Bearing.



This Hub is fully seated after being pressed into the Bearing properly.

TECHNICAL SUPPORT
800-228-9672
ASE Certified Technicians are Standing by 7 days a week.

