

Application: 1999-2005 Ford F-250, F-350, F-450, F-550 Super Duty 4-Wheel Drive Trucks

- ▶ **Symptoms:**
Wheel Bearing noise, loss of 4-wheel drive operation, ABS system malfunction, illuminated ABS warning light, or premature failure of the hub assembly.
- ▶ **Causes:**
Improper Needle Bearing lubrication, O-ring damage during install, or removal of the replacement ABS Sensor.
- ▶ **Solutions:**
Proper lubrication and installation of a replacement hub assembly.



Ford Super Duty 4WD Wheel Hub Assembly

When installing front wheel hub bearing assemblies on 1999-2005 Ford F-250 through F-550 Super Duty 4 Wheel Drive Trucks there are 3 important things you should be aware of:

Tip 1.) Needle Bearing Lubrication:
It is necessary to apply a liberal amount of high-temperature wheel bearing grease to the inner needle bearing of the replacement hub bearing assembly prior to installation, use only premium high-temperature wheel bearing grease. Failure to properly lubricate the inner needle bearing during installation can result in wheel bearing noise and premature failure of the hub bearing assembly.

Tip 2.) O-ring Seal:
Be sure not to damage the O-ring seal located near the base of the mounting flange on the hub assembly. **NOTE:** This o-ring is usually yellow or yellow/black. Lightly grease this o-ring just prior to installation. This will help it slide into the axle housing during installation. As you slide the hub assembly into the axle housing, care should be taken to make sure the o-ring stays safely in its groove. If the o-ring is damaged, this will cause a vacuum leak and loss of 4-wheel drive operation on these trucks.

Tip 3.) ABS Wheel Speed Sensor Harness:
WARNING do not remove the ABS wheel speed sensor harness from the replacement hub bearing assembly during installation. The ABS harness provided with a new replacement hub bearing assembly is specifically calibrated to this hub bearing assembly and must not be removed. Removing the sensor could cause a malfunction of the Anti-Lock Brake System and an illuminated ABS warning light.



Damaged O-Ring



Properly Greased Needle Bearing

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



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