

MOOG / NASCAR

OFFICIAL STEERING & SUSPENSION OF NASCAR®

# DID YOU KNOW?

ADVICE FOR THE PROFESSIONAL

## Overview

Hub assemblies and bearings control the position of the vehicle's wheels. They are crucial for safe, quiet operation, minimizing rolling resistance, and assuring proper ABS function. When hub assemblies fail, the wheels may not be kept in position, and vibration and noise usually develop.

## Symptoms that typically develop because of a worn/failing hub assembly

- A humming, rumbling or growling noise that increases with acceleration or as the vehicle turns
- Vibration, felt in the steering wheel, which changes with vehicle speed or as the vehicle turns
- Looseness or excessive play* in the steering wheel (especially while driving over rough road surfaces)
- A loud, constant grinding noise when driving the vehicle (heard in the most severe cases of a wheel bearing failure)
- Pulling to one side when braking
- Roughness or vibration when rotating the wheel with the vehicle off the ground
- Excessive brake pedal "play" (can also indicate excessively loose wheel bearings)
- ABS system issues (may be related to failure of the ABS sensor in the hub assembly or the internal sensor in the wheel bearing)

### LOOK FOR THESE TELLTALE SIGNS

- Constant grinding noise
- ABS light is illuminated
- Steering wheel vibration
- Steering wheel play

*** Note: "Play" or looseness may also indicate a worn suspension component. Check all suspension components before proceeding with bearing replacement.**

## Replacement recommendation

Your hub assembly is a critical component, responsible not just for keeping the wheel rotating and attached to the vehicle, but for transmitting ABS and traction control signals. Obviously, its quality is crucial.

MOOG® Hub Assemblies are engineered and built to provide:

- Quiet, long-lasting operation
- Proper ABS and traction control signal transmission
- Improved load capacity

Install MOOG Hub Assemblies to restore smooth, quiet driving and proper ABS function.