

THE NEW STANDARD FOR SEAT LEAD

HUB ASSEMBLIES



WHERE QUALITY IS CRITICAL, *it has to be* MOOG

Hub assemblies are critical for safe and reliable operation of a vehicle—and they're subject to some of the harshest punishment the road can dish out. High temperatures, extreme stresses, water, and contaminants can take a toll on hub assemblies that aren't up to the challenge. That's why MOOG engineers continually introduce purpose-specific innovations that stand strong against harsh conditions—and make MOOG hub assemblies durable and reliable for years of hassle-free operation.



- (I) BRAKES STICKING
- (ABS) ABS LIGHT IS ON



HUB ASSEMBLIES Signs of worn and failing

hub assemblies include... **(B:** GRINDING SOUND WHEN VEHICLE IS TURNING CLICKING OR SNAPPING SOUNDS WHEN TURNING RNOCKING OR CLUNKING SOUNDS STEERING WHEEL VIBRATION B WORSENING STEERING ABILITY





MOOG engineers continually assess the quality, reliability, and performance of hub assembly designs, finding any points of vulnerability and developing effective solutions. The result: Application-specific design enhancements that deliver improved durability and performance.

Where needed, MOOG's latest hub assembly innovations provide stateof-the-art resistance against damaging water, dirt, chemicals, and contaminantsmultiple layers of protection that raise the bar for hub assembly quality, and set a new standard for sealed.

to provide optimal moisture protection

> to protect ABS cable and ensure integrity of the Traction Control and Anti-Lock Braking Systems

> > to protect components from mud, sand, and road chemicals

> > > help prevent contaminant buildup on the assembly exterior, working to shield bearings from friction- and corrosion-causing moisture and grime.





A CONTINUING LEGACY of QUALITY

Abrasion-Resistant ABS Cord for superior strength and resistance to abrasion, contamination, and vibration

4-Layer Seal Design to help prevent contaminant damage to internal components

Increased Ball Size, Advanced Raceway Design, and Precision Matched Components for lower friction, increased load capacity, reduced risk of failure, and longer service life

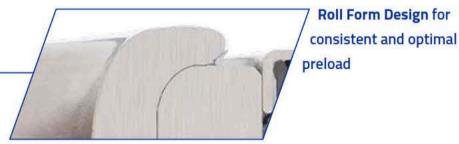




The latest innovations build upon a long history of MOOG-exclusive enhancements that set MOOG hub assemblies apart for lasting performance and strength, even in the most challenging conditions.



ABS Molded Shield and Socket Connections for superior contamination resistance





Protective Wheel Stud Coating to resist corrosion, enable easier removal, and enable proper torquing



and PROVEN

MOOG is the one brand that applies its proven Problem Solver design methodology to every hub assembly we make—and backs it up with comprehensive fivestage testing to ensure optimal real-world performance:

- BEARING ENDURANCE
- ROTARY FATIGUE
- BEARING SEALING PERFORMANCE
- ELECTRICAL CONNECTOR STRENGTH AND RESILIENCE
- CONSISTENT WHEEL SPEED SIGNAL

The result: Premium hub assemblies that install easily, outperform expectations, and can be counted on to last.



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