

PINCH BOLT STYLE BALL JOINT INSTALLATION TIP

MOOG® Ball Joints

Helpful Advice

Installing a ball joint equipped with a pinch bolt calls for some extra attention. Read on to learn an important tip for installing the steering knuckle on a MOOG® pinch bolt style ball joint.

Keeping Everything Straight



Figure 1



Figure 2

Figure 1 – When installing the steering knuckle, take care to make sure it is centered with the recessed area of the ball joint.

Figure 2 – If you install the steering knuckle too high, the pinch bolt will ride up higher than the recessed area where it should sit.

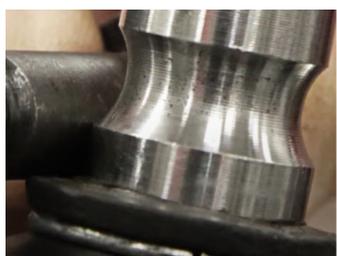


Figure 3



Figure 4

Figure 3 – If you install it too low, it will ride on the bottom.

Figure 4 – Once you have placed the steering knuckle on the ball joint, take a look inside the hole; you should see the recessed area of the ball joint if it is installed correctly.



Figure 5

Figure 5 – Once you have placed the steering knuckle on the ball joint, take a look inside the hole; you should see the recessed area of the ball joint if it is installed correctly.

MOOG® Ball Joints – Long-Lasting Dependability

Known as The Problem Solver®, MOOG ball joints are designed, tested and manufactured for easy installation and a perfect fit right out of the box. Application-specific features include:

- **Premium Sealed Boot with Grease-Relief Valve**
Stands up to environmental extremes and allows contaminants to be flushed.
- **Powdered-Metal Gusher Bearing Technology**
Provides strength and stability and allows grease to flow through bearing surface for reduced friction and long life.
- **Full-Ball Hardened Stud with Grease Grooves**
Promotes longer life and smooth articulation.
- **One-Piece Forged Housing**
Provides durability and strength.
- **Belleville Washer Pre-Load**
Ensures tight tolerances.



- **Greasable Design**
MOOG ball joints are designed to make lubrication service easier, contributing to longer component life.
- **Pressed-in Patented Cover Plate Design**
Compressed into place, its placement within the housing virtually eliminates excess axial and radial movement of the full ball stud, securing a solid steering feel for the life of the part.

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The Problem Solver®