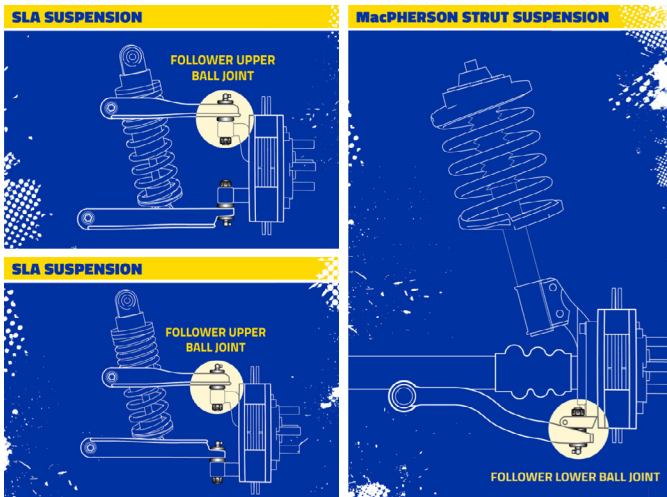


FOLLOWER BALL JOINT INNOVATIONS

PRODUCT BULLETIN

MOOG® Ball Joints

Loaded vs. Unloaded Ball Joints



Ball joints come in two different designs: load-carrying and follower (unloaded). In a MacPherson strut suspension system, the lower ball joint is a follower design, while in SLA (short long arm) suspension systems the upper ball joint is a follower design.

Since follower ball joints don't bear the vehicle's weight, they aren't as likely to wear out as quickly as load-bearing ball joints. However, they're still subject to wear from radial loads, impacts, vibration, contaminants, corrosive elements, heat and other conditions.

MOOG® Follower Ball Joints



For steering and suspension systems to function properly, components must withstand harsh driving conditions. That's why MOOG never stops innovating to make ball joints better. MOOG engineers its follower ball joints to endure whatever the road dishes out. That means developing application-specific, purpose-suited enhancements to resist wear, improve performance and extend service life.



- **Preinstalled Dust Boot**
Made from premium materials, the preinstalled boot protects socket components from wear-causing contaminants.
- **Metal Dust Boot Collar**
Holds the boot securely in place to reduce stretching and tearing.
- **Heat-Treated Studs**
Induction-hardened studs improve fatigue strength, resist fracturing and minimize friction.
- **Greasable Socket**
Threaded hole provides easy grease fitting installation. Adding grease extends service life of the joint by refreshing bearing lubricant and flushing contaminants.
- **Problem Solver Gusher Bearing**
Lets grease flow easily through bearing surface to reduce friction and prolong service life.

MOOG

The Problem Solver™

Continuous Innovation for Easy Installation

MOOG's new follower ball joints include a unique innovation which makes installation easier. New MOOG follower ball joints do not need to be oriented for stud swing. This is because they provide the same amount of stud swing in all directions.

If your MOOG follower ball joint includes a warning/ orientation tag and the part has an alignment mark (such as flats or punched/drilled holes) on the flange, this is an old design which must be oriented according to the orientation tag instructions. If the MOOG ball joint does not include an orientation tag or alignment mark, then it can be oriented in any direction providing trouble-free installation. This is possible due to an innovative no-compromises socket design.

Tested for Excellence

When it's time to make a repair, you can count on tested, proven MOOG Problem Solver follower ball joints. MOOG ball joint designs are extensively tested to ensure optimal performance and durability in harsh real-world conditions.

- **STUD DROP TESTING** to ensure integrity during impacts.
- **LOAD TESTING** to ensure durability under repeated stress.
- **ULTIMATE STRENGTH TESTING** to ensure integrity of materials, heat treat and design throughout operating conditions.
- **DUST BOOT DURABILITY** to ensure performance in varying environmental conditions.

Visit moogparts.com to learn more about premium steering and suspension parts, find your part, or find where to buy your part today.

MOOGThe Problem Solver[®]