

TechTalk

BY FEDERATED AUTO PARTS

Product Bulletin

MOOG® Steering & Suspension

Steering and suspension components are one of the top safety items on your vehicle. You can rest assured that you are replacing them with top quality components when you use MOOG® steering and suspension parts. MOOG's® premium ball joints feature a full-ball socket configuration for more responsive steering and all-metal gusher bearing technology for longer life. Federal-Mogul engineers also integrated a grease fitting for maintaining and extending service life, and a highly durable "grease release" polyurethane boot, which directs contaminants out of the socket and away from brake components during lubrication. The combination of powdered-metal gusher bearing, grease grooves on the full-ball stud and grease-relief valve on the boot allows the proper amount of clean grease to fully lubricate the components.



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Tech Tip

Many MOOG® steering and suspension parts are designed to be greasable, which helps them maintain their performance and last longer. Parts should be greased when installed and then at regular intervals. Oil changes are a perfect time to do this.



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Greasable MOOG® Steering & Suspension Parts

Greasable MOOG® steering and suspension parts have a zerk fitting that allows a grease gun to be connected.

When grease is pushed through the zerk fitting, it flows through the powdered-metal gusher bearing, lubricating the ball joint and flushing away contaminants. The old grease and contaminants flow out through the boot's grease-relief valve and can be wiped away, leaving a clean, well-lubricated internal mechanism. Having the boot filled with grease also forms a barrier against moisture.

For best results, MOOG® engineers recommend that a premium heavy-duty lithium or synthetic grease be used.

MOOG® greasable parts include ball joints, tie rod ends, sway bar links, control arms, drag links, center links, idler arms and Pitman arms.

MOOG
STEERING & SUSPENSION

MOOG® Greasable Design

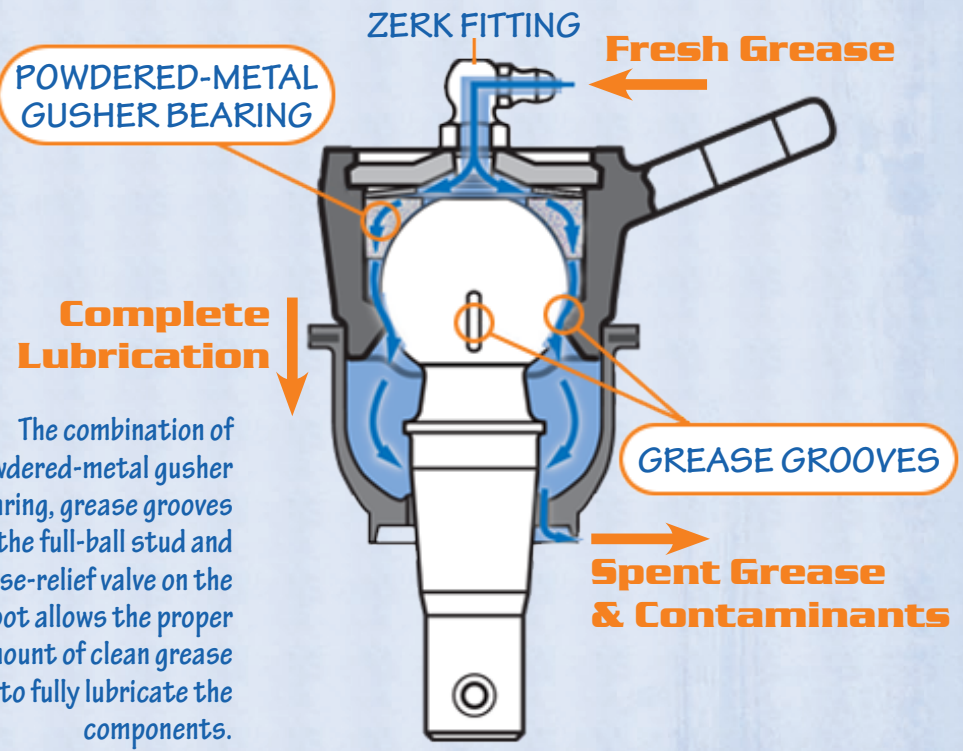
- M** Greasable design works with the MOOG® patented domed cover plate design and sealed boot to keep contamination away from the socket assembly.
- M** Porous powdered-metal ball bearings hold grease between the ball and the bearing.
- M** Grease grooves in the ball or bearing (depending on application) allow grease flow to critical areas to ensure lubricated ball stud movement and to keep contaminants and wear to a minimum.
- M** The flow of fresh grease is directed across the bearing surfaces, displacing any accumulated debris away from the ball and bearing assembly.
- M** The grease-relief valve in the sealed boot shuts out moisture and debris, while ensuring proper fill levels by releasing excess grease away from vital brake components.



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