PROBLEM Solver™ BULLETIN

BULLETIN: 27013

Ball Joint Bearing Failure

Serviceable Design

www.moogproblemsolver.com

PROBLEM:

Premature failure/excessive play/joint separation

- Non-serviceable socket design is unable to flush away contamination entering into the socket assembly.
- Contamination remains in the assembly, causing corrosion and accelerated wear.

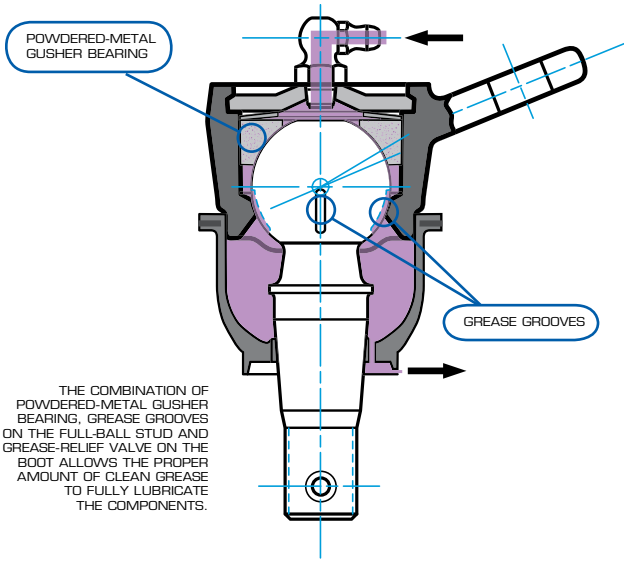


SOLUTION:



MOOG® greaseable design

- Greaseable design works with the MOOG patented domed cover plate design and sealed boot to keep contamination away from the socket assembly.
- Porous powdered-metal bearings hold grease between the ball and the bearing.
- 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.
- The flow of fresh grease is directed across the bearing surfaces, displacing any accumulated debris away from the ball and bearing assembly.
- 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



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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THE PROBLEM SOLVER™

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