

Ball Joint Bearing Failure

Socket Design

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PROBLEM:

Premature failure/excessive play/joint separation

- Non-serviceable socket design cannot flush contaminants from the assembly, causing corrosion and wear.
- Boot deterioration/failure can lead to lubrication loss. The bearing quickly wears, resulting in excessive deflection, imprecise steering/alignment and possible assembly separation.
- Plastic bearings do not uniformly transmit force into the wall of the housing and cover plate, causing deformation and wear. This affects steering stability and results in shorter service life.



SOLUTION:

MOOG® Premium bearing design



- Serviceable MOOG socket design allows new lubricant to flush contaminants away from the bearing/full-ball metal stud assembly.
- Hardened, powdered-metal “gusher” bearings are not prone to the excessive wear that plastic bearings suffer under unfavorable conditions.
- Powdered-metal bearing construction withstands higher psi loads without deformation.
- MOOG bearings fit tightly against the housing, allowing them to transfer vehicle loads to the housing. This diminishes load forces and reduces stress.

