

# RESOLVING UPPER BALL JOINT FAILURE ON DODGE/RAM TRUCKS & JEEP SUVs

PROBLEM SOLVER BULLETIN

## MOOG® Slider Ball Joints

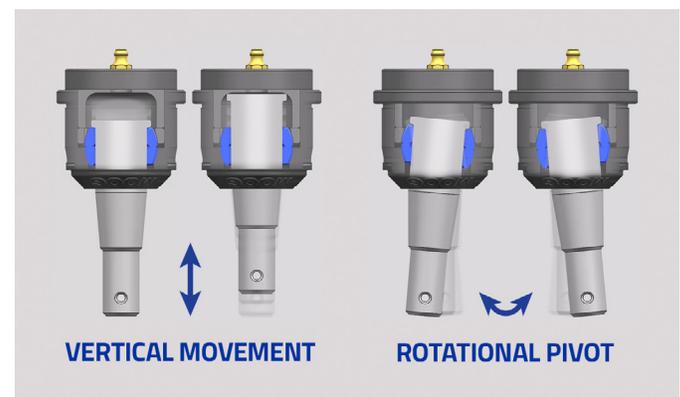
### The Problem



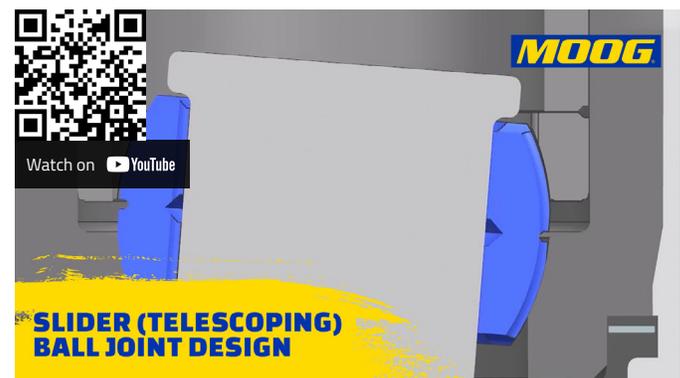
Premature slider (or telescoping) ball joint failures are a common occurrence on many late-model Dodge and RAM trucks and Jeep SUVs equipped with a straight or solid axle. The OE ball joints are not greaseable, which can increase the rate at which they wear. As the ball joint wears, looseness develops in the socket. Vertical movement of the stud is normal, but once radial movement (side-to-side or back-and-forth play) exceeds manufacturer specifications, it's time to replace the ball joint.

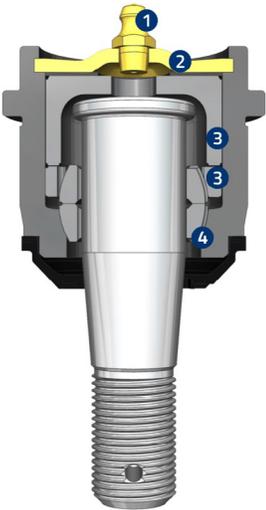
When slider upper ball joint replacement is necessary, the installation procedure puts significant stress on the upper ball joint housing, as the upper and lower ball joints may not align perfectly. The OE upper ball joint design deforms to compensate for this misalignment, which leads to severe wear from impact loads that occur throughout normal driving conditions.

### The Solution



A proven solution to this problem, the MOOG® Problem Solver slider upper ball joint design improves durability and minimizes radial play. It has a patented all-metal bowl design that compensates for suspension component misalignment through a unique rotational pivot (stud swinging movement), and a patented closure method that minimizes radial deflection. In addition, they use a premium neoprene boot with a built-in grease-relief valve, providing a sealed, serviceable part able to flush contamination.





### MOOG's Slider Ball Joint Technologies

1. **Greaseable design** makes lubrication service easier, contributing to longer component life.
2. **Patented pressed-in cover plate** virtually eliminates excess axial and radial movement to deliver solid steering feel for the life of the part.
3. **Gusher bearing and pressure cup** stands up to impact.
4. **Spherical bearing** for smooth rotation and articulation.

### MOOG Slider Front Upper Ball Joints

Part Number	Years	Make/Model
<a href="#">K3134T</a>	1994-2001	Ram 1500
	1994-1999	Ram 2500
	1984-2001	Jeep Cherokee
	1986-1992	Jeep Comanche
	1993-2004	Jeep Grand Cherokee
	1984-1990	Jeep Wagoneer
	1993	Jeep Grand Wagoneer
	1987-2018	Jeep Wrangler
<a href="#">K7394</a>	2000-2002	Ram 2500/3500
<a href="#">K7460</a> & <a href="#">K500316</a>	2006-2008	Ram 1500
	2003-2022	Ram 2500/3500

Part Number	Years	Make/Model
<a href="#">K500138</a>	2008-2018	Ram 4500/5500
<a href="#">K100056</a> (Offset) & <a href="#">K100312</a> (Offset)	1994-2001	Ram 1500
	1994-1996	Ram 2500
	1984-2001	Jeep Cherokee
	1986-1992	Jeep Comanche
	1993-2004	Jeep Grand Cherokee
	1984-1990	Jeep Wagoneer
	1993	Jeep Grand Wagoneer
	1987-2018	Jeep Wrangler
<a href="#">K100057</a> (Offset) & <a href="#">K100315</a> (Offset)	2006-2008	Ram 1500
	2003-2022	Ram 2500/3500

Offset ball joints replace OE to provide positive or negative camber/caster change. Consult the MOOG [catalog](#) for the latest application coverage.

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The Problem Solver<sup>®</sup>