BULLETIN: 213003

K80141 LOWER BALL JOINT

MOOG / NASCAR

OFFICIAL STEERING & SUSPENSION OF NASCAR®

2003-2011 FORD CROWN VICTORIA, LINCOLN TOWN CAR, MERCURY GRAND MARQUIS

THE PROBLEM SOLVER®

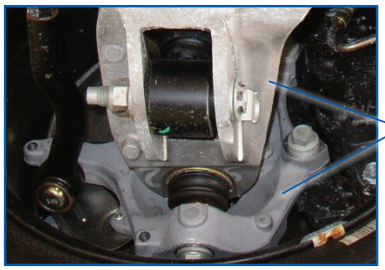
PROBLEM:

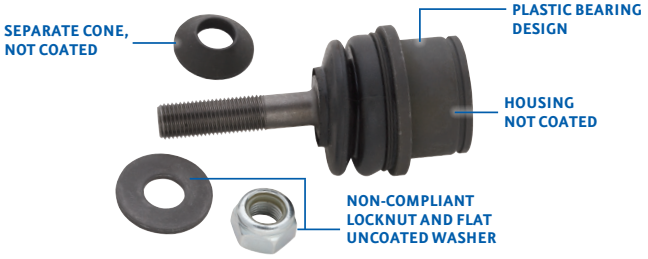
Corrosion, installation difficulties, failure

The OE suspension utilizes an aluminum knuckle that requires a uniquely designed ball joint. Due to the nature of the aluminum knuckle, and to prevent damage to it, the ball stud taper does not wedge into the receptacle. Instead, the ball joint uses a steep taper cone and a Belleville washer locknut to keep the ball joint in place. In addition, the taper cone, housing and washer are coated to prevent galvanic corrosion (which occurs when uncoated steel and aluminum come in contact). It is important that the replacement ball joint follow these strict OE design criteria to ensure proper function. Other suppliers may offer a part that:

- Utilize a taper cone, housing and nut that are uncoated, which can cause galvanic corrosion with the aluminum knuckle and control arm.
- Provide the taper cone as a separate piece, making installation more difficult.
- Use a flange nut (instead of the required Belleville washer nut) that can loosen during service, resulting in stud breakage or ball joint separation.

In addition, a plastic non-serviceable socket used by other suppliers may suffer from early failure.





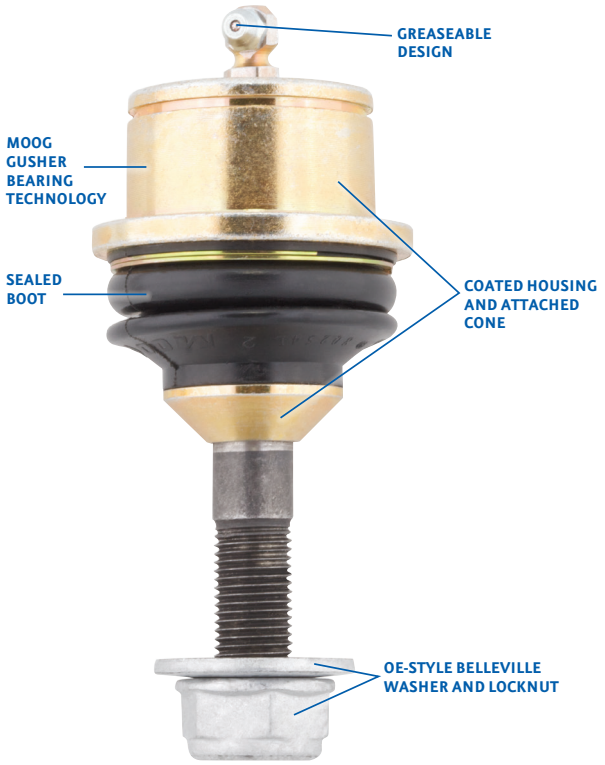
Description	Years	Make/Model	Part Number
Lower Ball Joint	2003-2011	Ford Crown Victoria, Lincoln Town Car, Mercury Grand Marquis	K80141

SOLUTION:

MOOG® Problem Solver® K80141 Lower Ball Joint

The MOOG® Problem Solver® K80141 Lower Ball Joint is designed with several key features that contribute to longer life, improved performance and safer operation:

- Ball joint features a metal gusher bearing and greaseable design, for durability and long life.
- Premium forged housing is coated to prevent galvanic corrosion against the aluminum control arm.
- Built-in taper cone allows for ease of operation, and is coated to prevent galvanic corrosion against the knuckle.
- Supplied locknut features an OE-style Bellville washer for a long-lasting, secure installation. The nut and washer are coated to prevent galvanic corrosion against the aluminum knuckle.



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