MOOG / **NASCAR**

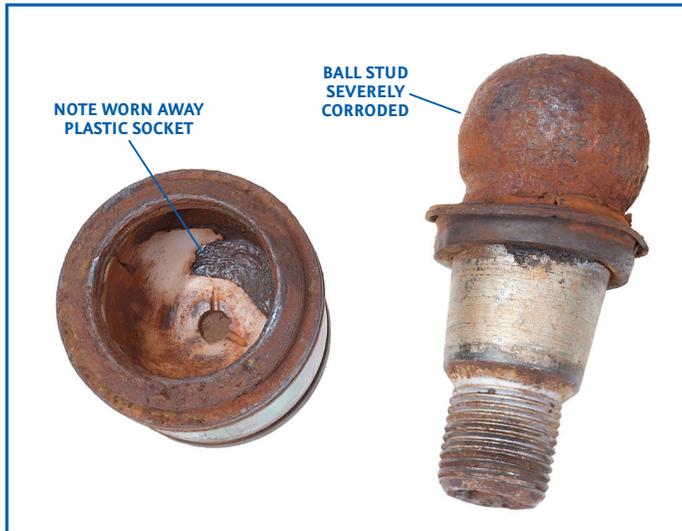OFFICIAL STEERING & SUSPENSION OF NASCAR®

THE PROBLEM SOLVER®

PROBLEM:

Tight steering, binding; lower ball joint failure

Vehicles affected by this lower ball joint failure are primarily used in severe duty operation and harsh environments where a quality, greaseable component is required. The non-serviceable design is prone to wear and failure.

In addition, improper installation can lead to a variety of steering issues as well as ball joint failure. All straight-axle and twin I-beam designs have manufacturing variations: **1)** horizontally between the upper and lower taper holes in the knuckle/axle and **2)** between the mounting locations of the upper and lower ball joint. Improper installation procedures can affect product operation and shorten service life due to the excessive load these variations can place on the ball joints.

(Read MOOG® technical bulletin DYK12-101 for proper installation procedures.)

NOTE WORN AWAY PLASTIC SOCKET

BALL STUD SEVERELY CORRODED

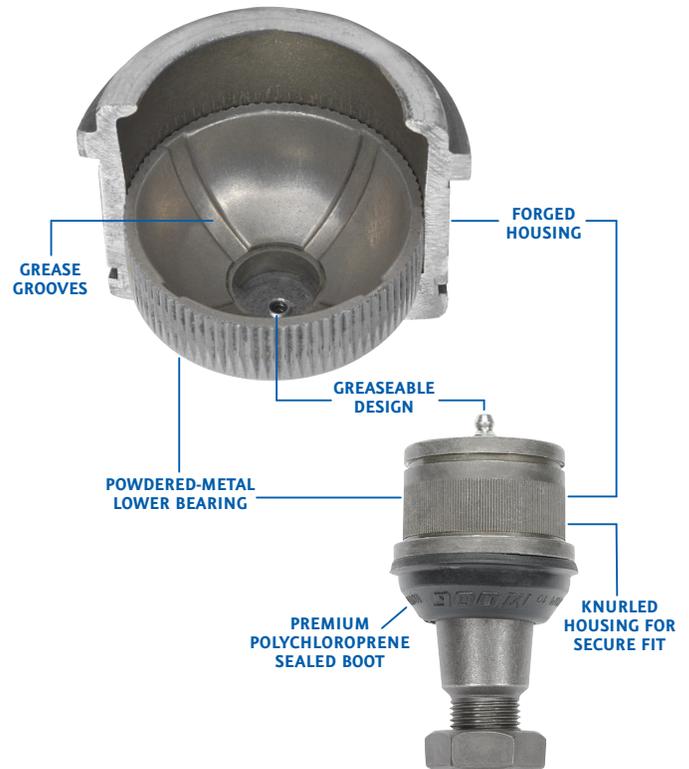| Description	Years	Make/Model	Part Number
Lower Ball Joint	1994-1999	Dodge Ram 2500/3500	K8607T
	2000-2005	Ford Excursion	
	1999-2014	Ford F250 / F350 Super Duty	
	1999-2004	Ford F450 / F550 Super Duty	

SOLUTION:

MOOG® K8607T Lower Ball Joint

The MOOG® K8607T ball joint has precision metal tolerances (similar to a crankshaft bearing) that will provide superior service life.

The serviceable MOOG ball joint socket design features premium polychloroprene sealed boot technology and is greaseable to flush contaminants and keep the unit lubricated. The hardened, powdered-metal bearing is not prone to the excessive wear often experienced by plastic bearings under adverse conditions. The forged, one-piece housing provides optimal strength and durability. The MOOG metal design evenly transfers vehicle loads through the powdered-metal "gusher" bearing and into the housing, diminishing load forces and reducing stress.

ENLARGED CUTAWAY VIEW

GREASE GROOVES

FORGED HOUSING

GREASEABLE DESIGN

POWDERED-METAL LOWER BEARING

PREMIUM POLYCHLOROPRENE SEALED BOOT

KNURLED HOUSING FOR SECURE FIT