

# PROBLEM SOLVER™ BULLETIN

www.moogproblemsolver.com

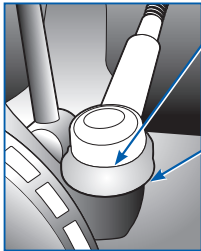
## Premature Tie Rod End Failure

1997-2004 Ford  
and Lincoln Vehicles

### PROBLEM:

#### Premature Tie Rod End Failure

Water and contaminants leak past the boot retaining ring, causing corrosion and accelerated wear. Original non-serviceable design is unable to flush contaminants.



Water gets trapped in lip of dust boot, then seeps past retaining ring.  
 Inspection: With vehicle on the ground, have an assistant rotate the steering wheel back and forth. Observe the tie rod ends for movement. A tie rod exhibiting any perceptible movement should be replaced.  
 Per revised manufacturer's inspection procedure, lift the bottom of the boot and inspect the tie rod stud. The part should be replaced if there is any sign of water or corrosion.



Description	Year	Make/Model	Replacement Part Number
Inner Tie Rod End	1997-2002	Ford Expedition 2WD	ES3364T ES3365T
	1997-2003	F-150 2WD	
	2004	F-150 Heritage/Lighting 2WD w/independent front susp.	
	1997-1999	F-250 2WD Light Duty	
Outer Tie Rod End	2002	Lincoln Blackwood 2WD	ES3366T ES3367T
	1998-2002	Lincoln Navigator 2WD	
	1997-2002	Ford Expedition 2WD/4WD	
	1997-2003	F-150 2WD/4WD	
	2004	F-150 Heritage or Lighting 2WD	
	2004	F-150 Heritage 4WD	
	1997-1999	F-250 2WD/4WD Light Duty	
	2002	Lincoln Blackwood 2WD	
Inner Tie Rod End	1997-2002	Ford Expedition 4WD	ES3369T ES3370T
	1997-2003	F-150 4WD	
	2004	F-150 Heritage 4WD	
	1997-1999	F-250 4WD Light Duty w/independent front suspension	
1998-2002	Lincoln Navigator 4WD		

### SOLUTION:

#### MOOG® ES3364T, ES3365T, ES3366T, ES3367T, ES3369T and ES3370T



- Greasable design allows fresh grease to displace 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.
- Hardened powdered-metal "gusher" bearing allows lubrication to penetrate the bearing surface, providing the most durable bearing available for longer service life.

