PROBLEM Solver™ BULLETIN

BULLETIN: 25881

Tie Rod End Failures

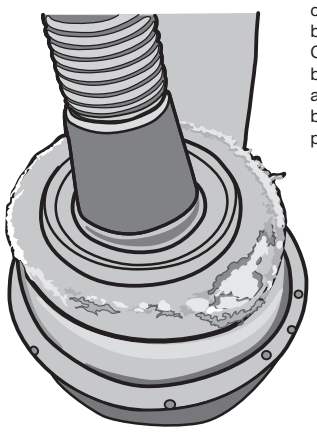
2001–2004 General Motors 1500/2500/3500 Trucks

PROBLEM:

OE tie rod ends failing prematurely due to boot failure

- The boot fails and allows contaminants inside, resulting in corrosion and wear and causing excessive deflection in the socket assembly, loose steering and alignment toe angle changes.
- The failure of the boot is due to its material, which is made of polychloroprene with carbon black, typically used as strengthening filler. In this case, the amount of carbon black is reduced to achieve a blue-colored boot, but this compromises the strength of the material. (This is clearly evident in the illustration).

NOTE: Not all blue-colored boots are created equal. CARQUEST® Chassis bellows-style boots (featured on other CARQUEST® Chassis applications) are blue in color, but are manufactured from a premium urethane material. These boots will not degrade like blue polychloroprene.



SILVERADO 2500HD 2WD
17613 Miles
OE Outer Dust Boot

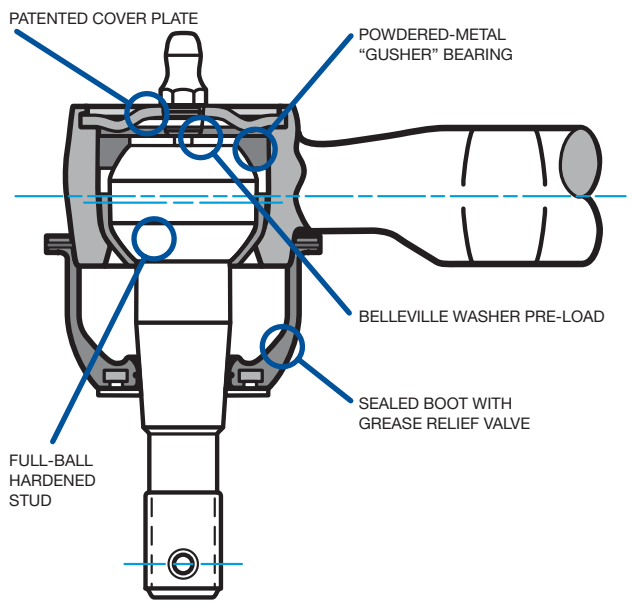
Year	Make / Model	Replacement Part No.
'01-'04	2WD & 4WD 2500/3500 Silverado Sierra	ES3609
'01-'03	2WD & 4WD 1500 Silverado Sierra Crew Cab	ES3609
'01-'04	2WD & 4WD 2500 Suburban & Yukon XL	ES3609
'01-'04	4WD 2500 Yukon Denali XL	ES3609
'02-'04	2WD & 4WD 2500 Avalanche	ES3609

SOLUTION:

CARQUEST® ES3609

- Uses a premium polychloroprene black boot design.
- Unique, sealed CARQUEST® Chassis boot utilizes a customized grease-relief valve that keeps contaminants out while providing a serviceable sealed environment. (See drawing for solution)

In addition:
- CARQUEST® Chassis tie rod ends feature powdered-metal bearings for longer life;
- A full-ball stud that maintains ball-to-bearing contact for greater load capacity



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