

Newmar Corporation

Warranty Department

Technical Service Bulletin																	
Date Issued		Model Year(s) Affected		Model(s) Affected		TSB #											
10/20/2006		8/27/04 and prior		Spartan K2 Chassis		291											
Brand						Type											
All	<input type="checkbox"/>	American Star	<input type="checkbox"/>	Mountain Aire	<input type="checkbox"/>	All	<input type="checkbox"/>										
		Dutch Star	<input type="checkbox"/>	Kountry Aire	<input type="checkbox"/>	F W	<input type="checkbox"/>										
		Kountry Star	<input type="checkbox"/>	Essex	<input checked="" type="checkbox"/>	D P	<input checked="" type="checkbox"/>										
Scottsdale	<input type="checkbox"/>	Northern Star	<input type="checkbox"/>	London Aire	<input type="checkbox"/>	D B	<input checked="" type="checkbox"/>										
<table border="0"> <tr> <td><input type="checkbox"/> Air Conditioning & Heating</td> <td><input type="checkbox"/> Electrical Components</td> </tr> <tr> <td><input type="checkbox"/> Appliances & Accessories</td> <td><input type="checkbox"/> Exterior Components</td> </tr> <tr> <td><input type="checkbox"/> Cabinets & Furniture</td> <td><input type="checkbox"/> Interior Components</td> </tr> <tr> <td><input checked="" type="checkbox"/> Chassis Components</td> <td><input type="checkbox"/> Plumbing & Bath Components</td> </tr> <tr> <td><input type="checkbox"/> Construction Components</td> <td><input type="checkbox"/> Windows, Awnings, Vents, & Doors</td> </tr> </table>								<input type="checkbox"/> Air Conditioning & Heating	<input type="checkbox"/> Electrical Components	<input type="checkbox"/> Appliances & Accessories	<input type="checkbox"/> Exterior Components	<input type="checkbox"/> Cabinets & Furniture	<input type="checkbox"/> Interior Components	<input checked="" type="checkbox"/> Chassis Components	<input type="checkbox"/> Plumbing & Bath Components	<input type="checkbox"/> Construction Components	<input type="checkbox"/> Windows, Awnings, Vents, & Doors
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Description of Problem																	
CANNOT ACHIEVE THE SPECIFIED TURNING RADIUS																	
Recommended Solution																	
ADJUST STEERING SYSTEM; CHECK AND ADJUST TOE IN.																	
See Manufacturers attached repair directions. Contact manufacturers directly for additional information or instruction																	



Tech Tips

Customer Care

Tech Tip No: PSR FT 128

Date: October 19, 2004

REV: Release

Subject: Front Tires Rubbing on Tie Rod Ends

Applies To: MFS front axle with 425/65R22.5 Goodyear tires on 823671 aluminum wheels

For Internal use only: No

Vocation: Fire Truck models BEY, ADV, MET, MTS, GLC, GLE, DIA manufactured from September 2001 through September 2004

Reason Classification:

Labor Time: 4 hours

Purpose: The Goodyear tire has a wider profile than the same size Michelin tire. Trucks with the MFS front axle using 425/65/R22.5 Goodyear tires mounted on 823671 aluminum wheels may experience the front tires rubbing on the tie rod ends.

Please Read the Entire Tech Tip before proceeding with any work.

Verify The Complaint:

Fire trucks manufactured from September 2001 through September 2004 with Goodyear 425/65R22.5 tires mounted on 823671 aluminum wheels may experience the front tires rubbing on the tie rod ends.

Problem Correction:

- Observe all industry safety standards and secure the vehicle prior to beginning any inspections or repairs.
- Replace the 823671 aluminum wheel with either the Accura ride part # 29374AOP or with the Alcoa part # 823661 wheel.

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Tech Tips

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- Replace the tie rod ends using Meritor tie rod end part # 3133V8316 and part # 3133W8317.
- Re-use the alignment keys, and nuts. The steering stops and the gear poppets are not to be replaced.
- Replace the cotter pins which do not come with the new part.
- Have the unit toe-in reset to the proper specifications.

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Tech Tips

Customer Care

Tech Tip No: PSR FT 231

Date: December 6, 2004

REV: Release

Subject: Front Windshield Delamination

VDM Range: Prior to SO # 48921

Specific Models: BEY, ADV, MET, MTS, GLC, GLE, DIA

For Internal use only: No

Vocation: Fire Truck

Reason Classification: TBD

Labor Time: 30 minutes

Purpose: Windshield delamination is causing fogging and or cloudiness between glass layers.

Please Read the Entire Tech Tip Before Proceeding With Any Work.

Problem Identification

Cloudiness or fogginess between the laminated layers of glass in the front windshield.

Installation Materials and Parts:

- Personal Protective Equipment (PPE may include nitrile gloves, leather gloves, safety glasses, shop apron, back brace, steel toe shoes.....)
- U418 auto glass urethane (*10.5 oz. cartridge)
- Caulking gun (cradle gun)
- Plastic or fiber stick (optional)
- Hook tool (optional)
- Razor blades
- Spray bottle (plain water)
- Glass cleaner
- Paper towels
- ***Scrubs for cleaning excess urethane off paint finish (optional)

NOTE:

* Tube may be used for several installations, good for several days after opening.

*** Scrubs in a bucket waterless hand cleaner.

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Safety Procedures:

- Be sure to wear appropriate safety equipment when working with glass and sealers.
- Observe all industry safety standards and secure the vehicle before beginning any work.

Problem Correction:

- Prepare the glass. Clean any excess vinyl from the edge of the windshield with a clean razor blade. (Heavy leather gloves should be worn to prevent injury). Clean both sides of windshield screen with glass cleaner to ensure bonding to sealer.
- Prior to installing the gasket (windshield seal) clean any residue or release agents from the inside edge of the outer lip of the rubber gasket. This is the area that will seal against the outer edge of the windshield.
- Install the gasket (windshield seal). The seal must be installed with consistent compression of the seal to ensure the material conforms to the entire cab window opening. The ends must be cut straight to ensure no gaps or overlap.
- Install the windshield. Use water on the gasket to lubricate if necessary. (Window Glo can be used). DO NOT introduce silicones or other chemicals to the gasket or to the glass.
- Use compressed air to remove excess water and dry the gasket.
- Open both ends of Essex U-418 urethane. Cut end of nozzle at a 45 degree angle to make a 1/8" to 3/16" continuous bead. Wearing nitrile or thin rubber gloves and holding the flat end of the nozzle against the outer edge of the windshield apply U-418 to the glass surface 1/8" away from the glass edge. Do not push the tip / urethane all the way into the gasket. A smear bead is all that is necessary, as the gasket will lock tight to the windshield and expand the urethane. Using a smaller bead will reduce a lot of the oozing or squeezing out of urethane and can save a lot of clean up time.
- Lock the gasket around the entire circumference of the windshield. If lubrication is needed use only water, carefully applying it to the gasket using a spray bottle, rags or hand. Avoid water getting into the area between the gasket and glass where the U-418 has been applied.

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- After the gasket is locked all the way around the windshield, some U-418 may have squeezed out. If so, spray with water and scrape off the windshield with a brand new single edged razor blade. The water will make it easier to clean. Wipe excess on a paper towel or a rag and discard. The cleanup should be done immediately after the installation to avoid trouble removing the urethane.
- Wash the windshield with glass cleaner.
- Avoid high pressure spray around the glass / gasket area for several hours to allow the seal to bond with the glass.

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