



05 V-111  
(3 pages)

March 18, 2005

**Subject: New Safety Recall**  
**SC0293, FXL Axle Dust Shield Bolt Interference**

**Attention:**

Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, DC 20590

**Submitted via Email to Patricia Wallace.**

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OFFICE OF THE DIRECTOR  
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

The following information is submitted in accordance with the requirements of 49 CFR Part 573.6 as it applies to a defect relating to motor vehicle safety.

**573.6(c)(1)**

Mack Trucks, Inc.  
P. O. Box M  
Allentown, PA 18105-5000

**573.6(c)(2)**

Mack CHN and CXN Model, Heavy-Duty Class 8 vehicles manufactured in July 2004 through January 2005 with a FXL front axle and Meritor 16.5 x 5 brakes with dust shields.

The vehicles affected by this notification were selected by product identification codes that are used to identify a product option. The date range represents the total population since the inception of the FXL axle in the CHN and CXN models through the introduction of a new dust shield on 1/28/05.

**573.6(c)(3)**

Four hundred twenty-four (424) vehicles potentially contain the defect.

**573.6(c)(4)**

The percentage of the 424 vehicles expected to contain the defect is unknown.

**573.6(c)(5)**

There may exist interference between the dust shield mounting bolt and the knuckle on the front axle. As a result of the interference, the bolt joint between the wheel end and the knuckle may not meet the torque requirement. This may result in vibration or brake performance issues.



**573.6 (c)(6)**

Chronology of principle events that were the basis for the determination:

- 01-27-2005 Manufacturing observed interference on a vehicle at the factory. Manufacturing contacted engineering to report interference.
- 01-28-2005 Engineering confirmed interference and issued documentation to manufacturing regarding how to resolve the issue.
- 01-28-2005 Manufacturing implemented design change into production. Off-line vehicles were contained at factory.
- 01-31-2005 Stop Delivery issued for suspect vehicles by Product Development.
- 02-07-2005 Quality Department submitted issue to Regulatory Compliance Administrator for consideration.
- 02-28-2005 Investigation completed and submitted to the Product Regulatory Compliance Committee for recommendation.
- 03-14-2005 Mack Trucks decided that the condition described in this notification constitutes a defect and that such defect is safety related.

**573.6(c)(7)**

Not applicable

**573.6(c)(8)**

Mack Trucks, Inc. will initiate a voluntary owner notification, and recall all 424 vehicles.

The recall repair will consist of removing the hub and brake assembly to install a new dust shield.

Reimbursement for cost incurred by the owner for "prenotification remedies" will be addressed on a case-by-case basis according to the "General Plan for Reimbursement of Pre-notification Remedies" which was published December 8<sup>th</sup>, 2004.



The number, which has been assigned to this recall by Mack Trucks, Inc., is **SC0293**.

The recall is tentatively scheduled to commence within **30** working days from the date of this notification. Advance copies of the Owner Notification and Dealer Bulletins will be submitted to NHTSA for review and approval prior to release to the owners and dealers.

If there are any questions regarding this information, please feel free to contact me.

Sincerely,

Timothy L. LaFon  
Regulatory Compliance Administrator  
[timothy.lafon@volvo.com](mailto:timothy.lafon@volvo.com)  
(336) 393-2233  
P.O. Box 26115  
Greensboro, NC 27402