



Global Electric Motorcars, LLC

A DaimlerChrysler Company
ISO Registered 9001:2000

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June 8, 2006

06V-222
(3 Pages)

Mr. Daniel C. Smith
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
400 Seventh Street SW Room 5219
Washington, DC 20590

Dear Mr. Smith:

Attached is Global Electric Motorcars, LLC's Defect Information Report, complying with the requirements for 49 CFR Part 573, Defect and Noncompliance Reports, which contains details of a potential safety related defect in some 1999 thru 2004 model year GEM low-speed vehicles. The 12 volt output from the auxiliary card (a DC voltage to DC voltage converter) may become inoperative and result in a loss of headlamp, tail lamp and turn signal lamp function.

Global Electric Motorcars, LLC will conduct a voluntary safety recall to replace the auxiliary card on all affected vehicles.

Sincerely,

David Gannon
Director of Service

Enclosure: Defect Information Report

Defect Information Report for Global Electric Motorcars, LLC

Submission Date: June 8, 2006

Identifying classification of vehicles potentially affected:

Make	Model	Model Years	Inclusive Dates Of Manufacturing	Vehicle Volume (estimated)
GEM-NEV Low-Speed Vehicles	2 passenger 4 passenger Short Bed Long Bed	1999 thru 2004	01/01/1999 thru 03/31/2004	27,713

Estimated percentage containing defect: unknown

Description of Defect:

The 12 volt output from the auxiliary card (a DC voltage to DC voltage converter) may become inoperative and result in loss of headlamp, tail lamp and turn signal lamp function. Given the electrical nature of this issue, there is a theoretical possibility that an electrical failure could lead to a fire in a worst case scenario.

The following events occurred and led to the determination of a defect:

- The auxiliary card circuit board converts 72-volt traction battery power to 12-volt power on GEM low-speed vehicles. This 12-volt output is used to power electrical accessories as well as headlamps, tail lamps and turn signal lamps.
- GEM field service technicians noted some auxiliary cards with inoperative 12-volt output. Initial investigation indicated potential output overload and/or circuit board contamination.
- Auxiliary cards were returned from field service. Subsequent testing revealed that contamination may cause a 12-volt short condition in multiple locations on the circuit board, potentially resulting in a loss of headlamp, tail lamp and turn signal function. Additional evaluation showed that auxiliary card contamination could be duplicated by operating the vehicles on wet salted pavement.
- This data was presented to the Safety and Regulations Committee on June 1, 2006 who decided to conduct a safety recall to repair the affected vehicles.

Statement of measures to be taken to correct the defect:

Global Electric Motorcars, LLC will replace the auxiliary cards on all affected vehicles with a new DC to DC converter. In addition, splash/spray protection will be installed and the dash seal adjusted as required.

Global Electric Motorcars, LLC expects to initiate national notification to both dealers and owners when a sufficient quantity of the converter is available. Scheduling information for implementing this recall is not available at this time.