



June 4, 2013

Ms. Nancy Lummen Lewis
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Recall Management Division (NVS-215)
Room: W48-302
1200 New Jersey Ave. SE
Washington, DC 20590

Dear Ms. Lewis:

Attached is Chrysler Group LLC's ("Chrysler") Defect Information Report, complying with the requirements of 49 CFR Part 573, Defect and Noncompliance Reports, which contains details of a potential safety related defect in vehicles.

Chrysler Group will conduct a voluntary safety recall to flash the Occupant Restraint Control module with the updated software on all affected vehicles.

Sincerely,

A handwritten signature in blue ink that reads "Kristin Kolodge".

Kristin J. Kolodge

Enclosure: Defect Information Report for Chrysler Group LLC. Recall N01

cc: Frank Borris, NHTSA

DEFECT INFORMATION REPORT FOR CHRYSLER GROUP LLC

Page 1

Submission Date: June 4, 2013

573.6(c)(1): Manufacturer's Name, Brand Name

Chrysler Group LLC, Jeep

573.6(c)(2): Identification of Affected Vehicles

Make(s)	Model(s)	Model Year(s)	Inclusive Dates of Manufacture
Jeep	Compass / Patriot	2010-2012	May 6, 2008 – July 20, 2012

573.6(c)(2)(iv): Component manufacturer name, address, telephone number, and country of origin:

TRW Automotive
24175 Research Drive
Farmington Hills, MI 48335-2642
248-699-4655
USA

573.6(c)(3): Potentially Affected Vehicle Population

254,396 (estimated)

573.6(c)(4): Percentage of Affected Vehicles

100% (approximate)

573.6(c)(5): Description of Defect or Noncompliance

A software error may result in delayed or non-deployment of seatbelt pre-tensioner and/or side airbag curtains in some 2010-2012 MY Jeep Compass and Patriot vehicles involved in certain slower developing rollover events. The error involved a polarity mistake (flipped bit) with the lateral acceleration signal used in the rollover algorithm. The flipped bit affects seatbelt pre-tensioner and side airbag curtain deployments in certain slower-developing rollover events, possibly causing them to be delayed or not deploy.

573.6(c)(6): Chronology of Principal Events Leading to Determination of a Safety Defect

- In June 2012, Chrysler opened an investigation upon notification by TRW Global Electronics that a software error affected the 2010-2012 MY Jeep Compass and Patriot Occupant Restraint Control (ORC) modules.

DEFECT INFORMATION REPORT FOR CHRYSLER GROUP LLC

Page 2

- A series of component and vehicle validation testing of all affected vehicle lines, with corrected software, was performed from October 2012 through January 2013.
- In March 2013, service flash issues were identified on the 2012 MY Jeep Compass and Patriot vehicles. It was determined that a bootloader used in some of the 2012 MY ORCs would abort the flash due to flash transfer rate. It was necessary for Service Diagnostics to revise the flash software to slow down transfer rate during the flash.
- In April 2013, Chrysler completed the vehicle validation testing for the 2012 MY Jeep Compass and Patriot vehicles with the corrected ORC module software.
- During its investigation, Chrysler identified 0 CAIRs, 0 VOQs, and 0 field reports related to this issue.
- Chrysler Group LLC is unaware of any accident injuries or fatalities related to this issue.
- On May 28, 2013, Chrysler Group LLC decided to conduct a voluntary safety recall on all affected vehicles to flash the ORC module with the corrected software.

573.6(c)(7): Information Used in Determination of a Noncompliance

N/A

573.6(c)(8): Description of Remedy

Chrysler will conduct a voluntary safety recall to flash the ORC module with the corrected software on all affected vehicles.

Chrysler has a longstanding policy and practice of reimbursing owners who have incurred the cost of repairing a problem that subsequently becomes the subject of a field action. To ensure consistency, Chrysler, as part of the owner letter, will request that customers send the original receipt and/or other adequate proof of payment to the company for confirmation of the expense.

573.6(c)(10): Dealer and Owner Communications

Chrysler plans to begin notification of dealers and owners in July 2013. Chrysler will provide the dealer and owner letters when available.

573.6(c)(11): Manufacturer's Campaign Number

Chrysler has assigned recall number N01 to this action.