



June 26, 2014

Ms. Nancy Lewis
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Recall Management Division (NVS-215)
1200 New Jersey Avenue, SE – Room W45-306
Washington, DC 20590

Dear Ms. Lewis:

The following information is submitted pursuant to the requirements of 49 CFR 573.6 as it applies to a determination by General Motors to conduct a safety related recall involving 2014 model year Chevrolet Corvette vehicles.

573.6(c)(1): Chevrolet Brand of General Motors Company.

573.6(c)(2)(3)(4): This information is shown on the attached sheet.

573.6(c)(5): General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2014 model year Chevrolet Corvette vehicles. An improper weld on the rear shock absorbers may lead to separation of the shock absorber tube from the shock absorber clevis bracket. This separation may cause a sudden change in vehicle handling behavior that may startle drivers, increasing the risk of a crash.

573.6(c)(6): On March 19, 2014, while conducting static torque checks on all 2014 Corvette vehicles at the Bowling Green Assembly (BGA) facility, GM discovered a weld quality issue with eight FE1 and FE3 (passive) rear shocks supplied by ThyssenKrupp Bilstein (TKB). GM immediately placed a hold on all vehicles at BGA and contacted TKB.

Between March 19 and March 20, 2014, TKB quarantined its in-house stock of shocks and performed 100% pull tests on those shocks, and BGA conducted 100% static torque checks on all held vehicles that were assembled before GM discovered the weld quality issue. On March 20, 2014, TKB provided replacement stock of certified shocks with proper welds to replace all suspect shocks at BGA.

TKB determined that the eight defective shocks were all produced by TKB on March 3 and March 5, 2014. BGA in conjunction with TKB determined that the earliest date the suspect shocks would have been installed on a GM vehicle would have been March 7, 2014, and the last date would have been March 14, 2014. By March 24, 2014, GM analyzed the VIN records of the vehicles assembled between March 7 and March 14 and determined that 404



of these vehicles had been shipped before BGA began conducting the static torque checks on March 17, 2014.

On April 21, 2014, a Product Investigation engineer was assigned. Work to assess the effect of the improper weld condition on vehicle performance was initiated.

Between late April and late May 2014, GM performed hoist investigations and road tests to evaluate the noise resulting from a weld fracture on the rear shock. GM also conducted road tests with 2014 Corvettes to determine the effect on vehicle handling if one or two shocks weld fractures. GM determined that complete weld fractures would degrade vehicle handling.

On June 16, 2014, GM learned of a recent warranty claim for a TKB shock produced on February 11, 2014, outside of the original suspect build dates of March 3 and March 5, 2014. On June 19, 2014, GM instructed TKB to audit all information related to production of the shocks at issue since the start of production and share that information with GM.

The issue was presented to Open Investigation Review (OIR) on June 16, 2014, and on June 19, 2014, the Safety and Field Action Decision Authority (SFADA) decided to conduct a safety recall.

On June 19 and on June 25, 2014, stop-delivery messages were sent to the dealers.

573.6(c)(8): Dealers are to replace both rear shock absorbers.

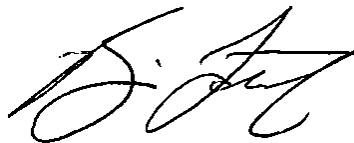
General Motors will provide the dealer bulletin and owner letter mail dates when available.

Pursuant to 577.11, General Motors does not plan to provide notice about reimbursement to owners because all involved vehicles are covered under the new vehicle warranty.

573.6(c)(10): General Motors will provide the dealer bulletin and owner letter under separate cover.

573.6(c)(11): General Motors' assigned recall number is 14302.

Sincerely,



Brian Latouf, Director
Field Product Investigations & Evaluations

Attachment

573.6(c)(2)(3)(4)

VEHICLES POTENTIALLY AFFECTED BY MAKE, MODEL, AND MODEL YEAR
PLUS INCLUSIVE DATES OF MANUFACTURE

<u>MAKE</u>	<u>MODEL SERIES</u>	<u>MODEL YEAR</u>	<u>NUMBER INVOLVED</u>	<u>INCLUSIVE MANUFACTURING DATES (FROM) (TO)</u>		<u>DESCRIPTIVE INFO. TO PROPERLY IDENT. VEH.</u>	<u>EST. NO. W/CONDITION</u>
Chevrolet	Y	2014	1,939	02/12/2014	03/14/2014	Corvette	*
	GM Total:		1,939				

* All involved vehicles will be corrected as necessary.

573.6(c)(2)(iv): ThyssenKrupp Bilstein of America, Inc.
8685 Bilstein Blvd.
Hamilton, OH 45015
513 881 0982

The shocks are manufactured in the United States.

14302