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*By Recall Management Division at 1:07 pm, Aug 13, 2014*

August 13, 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 certain 2011-2014 model year (MY) Chevrolet Express Compressed Natural Gas (CNG) and GMC Savana CNG vehicles.

573.6(c)(1): Chevrolet and GMC brands 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 2011-2014 Chevrolet Express CNG and GMC Savana CNG vehicles. Some of these vehicles may have a CNG high pressure regulator that leaks natural gas into the atmosphere. This could cause an explosion or a fire if an ignition source is present.

If a leak is suspected, the customer should not start the engine or drive the vehicle. The customer should immediately have the vehicle towed, inspected and repaired.

573.6(c)(6): On March 18, 2014, a GM CNG fuel system engineer was informed by a CNG fleet customer that a leaking regulator had been replaced on a CNG fleet van on January 8, 2014.

Between March 19 and March 27, 2014, GM and Impco Automotive (the CNG second stage manufacturer) collected regulator warranty data regarding CNG leaks on all GMT610 CNG vehicles. This information was shared with GM Product Investigations on March 27, 2014.

Initial root cause analysis revealed a high incidence of leaking regulators associated with a replacement of the solenoid under recall 13V-225 (May 15, 2013). On April 24, 2014, the GM service procedure for the recall was revised to address the failure mode identified with solenoid replacement on the regulator.

By the end of May 2014, GM had identified 30 cases of regulator leaks. GM continued to analyze parts returned from the field and found 17 cases that could not be attributed to the regulator solenoid recall replacement. These leaks were attributed to three additional



conditions related to assembly of the regulator, machining of the regulator, and manufacturing of the internal diaphragm assembly.

By July 2014, there remained 11 cases that could not be attributed to the identified conditions. It was determined that Impco conducted solenoid replacements on vehicles or regulator stock at Impco in June 2013. These exhibited the same failure mode that had been identified with solenoid replacement under recall 13V-225.

On August 6, 2014, General Motors' Safety Field Action Decision Authority decided to conduct a safety-related recall.

573.6(c)(8): Dealers/fleets are to replace the regulator.

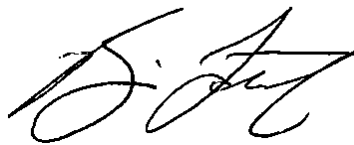
General Motors will provide the recall bulletin and owner letter mail dates when available.

Pursuant to 577.11, General Motors will provide reimbursement to owners for repairs according to the plan submitted on May 23, 2013.

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 14321.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Latouf", written in a cursive style.

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	G	2011	218	09/10/2010	08/16/2011	Express CNG	*
Chevrolet	G	2012	1,410	08/17/2011	07/13/2012	Express CNG	"
Chevrolet	G	2013	726	06/05/2012	06/18/2013	Express CNG	"
Chevrolet	G	2014	585	06/24/2013	04/28/2014	Express CNG	"
GMC	G	2011	11	05/23/2011	06/08/2011	Savana CNG	"
GMC	G	2012	41	08/17/2011	07/12/2012	Savana CNG	"
GMC	G	2013	169	07/16/2012	06/14/2013	Savana CNG	"
GMC	G	2014	36	10/08/2013	04/21/2014	Savana CNG	"
	GM Total:		3,196				

\* All involved vehicles will be corrected as necessary.

573.6(c)(2)(iv): Manufacturer of CNG fuel system  
Impco Automotive  
7100 15 Mile Road  
Sterling Heights, MI 48312  
586-276-4328  
Manufactured in the US.

Manufacturer of regulator  
GFI Control Systems  
100 Hollinger Crescent  
Kitchener, Ontario, Canada  
N2K 2Z3  
519-576-4270  
Manufactured in Canada.

Manufacturer of regulator diaphragm  
DiaCom  
5 Howe Drive  
Amherst, NH USA 03031  
603-880-1900  
Manufactured in the US.

14321