



06V-181  
(3 pages)

May 24, 2006

Mr. Daniel C. Smith  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W., Room 5321, MC: NVS-200  
Washington, D.C. 20590

Dear Mr. Smith:

The following information is submitted pursuant to the requirements of 49 CFR 573.6 as it applies to a determination by General Motors of a safety defect involving certain 2005-06 model year Chevrolet Corvette model vehicles.

573.6(c)(1): Chevrolet Brand of General Motors Corporation

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 2005-06 Chevrolet Corvette vehicles equipped with a painted roof. Some of these vehicles, primarily in hot and humid climates, have a condition in which the adhesive between the roof panel and the frame may separate. If the panel separates partially, the occupant may notice one or more symptoms, such as a snapping noise when driving over bumps, wind noise, poor roof panel fit, roof panel movement/bounce when a door or hatch is closed, or a water leak in the headliner. If there is a complete separation, the roof panel may detach from the vehicle and it could strike another vehicle and cause injury and property damage.

573.6(c)(6): On May 4, 2006, NHTSA and GM had a discussion regarding a Customer Satisfaction Program released in February 2006 for roof delamination on 2005-06 Corvettes. The delamination is due to inadequate bond strength between the adhesive and the roof panel under high heat and humidity. Results of the original warranty analysis identified four reports of complete roof separations (0.23 IPTV). GM performed a second warranty analysis on April 19, 2006 and found an additional seven reports of complete roof separations for vehicles involved in the Customer Satisfaction Program (0.64 IPTV). Further warranty analysis on May 10, 2006, identified seven additional reports of roof separation for vehicles built after the August 17, 2005 adhesive curing process breakpoint.

Vehicles involved in the Customer Satisfaction Program were to have adhesive foam inserted into the roof or, if necessary, replacement of the roof. Further testing of the replacement roof showed that the change to the adhesive curing process on August 17, 2005 did not provide adequate bond strength. Therefore, roofs replaced as part of the Customer Satisfaction Program will be included in this safety recall to insert adhesive foam into the roof.

The issue was presented to the Field Performance Evaluation Review Committee (FPERC) and on May 19, 2006, the Executive Field Action Decision Committee (EFADC) decided to conduct a safety recall. This recall will revise the Customer Satisfaction Program to a Safety Recall. Vehicles repaired with foam under the Customer Satisfaction Program have adequate bond strength and require no further action.

573.6(c)(8): Dealers are to inspect vehicles for potential roof panel-to-frame separation. If there is not evidence of roof panel separation, dealers will add the specified adhesive foam. For vehicles exhibiting any roof panel separation, dealers will replace the roof with one having adhesive foam.

**Product Investigations**

Mail Code: 480-106-304 • 30500 Mound Road • Warren, MI 48090-9055  
06041 - 573 Letter.doc

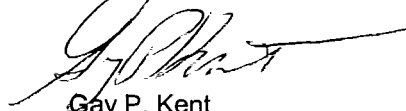


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Pursuant to 577.11(e), GM does not plan to provide notice about reimbursement to owners because all vehicles are covered under the new vehicle warranty.

573.6(c)(9): General Motors will send copies of the dealer bulletin and owner letter when available along with mail dates.

Sincerely,

A handwritten signature in black ink, appearing to read "G. P. Kent", with a long horizontal flourish extending to the right.

Gay P. Kent  
Director  
Product Investigations

06041  
Attachments

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 Car               | 2005              | 15,950                 | 03/04  | 08/05 | Corvette   | *                           |
| Chevrolet   | Y Car               | 2006              | 14,843                 | 03/05  | 05/06 | Corvette   | "                           |
|             | GM Total:           |                   | 30,793                 |  |       |  |                             |

\* Approximately 5% roof replacement and 95% foam fill.

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