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2006 JAN 23 12:18:39

January 20, 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

06V-020
(4 pages)

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 Cadillac CTS & STS model vehicles.

573.6(c)(1): Cadillac 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 model year Cadillac CTS & STS model vehicles equipped with a V6 engine. These vehicles may have a situation where fuel is no longer supplied to the engine, due to certain driving patterns, with low fuel. This condition occurs without the illumination of the Fuel Level Low indicator light or the warning chime. If the engine stops running, the operator will not be able to restart the vehicle. In December 2005, GM notified owners by letter that they should maintain at least $\frac{1}{4}$ of a tank fuel level to avoid this condition.

573.6(c)(6): On May 5, 2005, GM Engineering received a report of a 2005 STS company vehicle that stalled with the fuel gauge indicating fuel in the tank. GM took the vehicle to the Milford Proving Grounds to see if the occurrence could be replicated. The supplier of the fuel system/tank was also contacted.

In June 2005, the supplier informed GM Engineering that a screen, which was added to prevent debris from entering the fuel jet pump nozzle, may have contributed to the vehicle stalling. The screened jet pump nozzle assembly produced a fuel stream with characteristics that prevented priming of the jet pump to draw fuel from the left side of the fuel tank into the right side of the tank when the fuel level reaches $\frac{1}{4}$ full.

On June 27, 2005, a Field Performance Engineer began work to understand the circumstances and frequency of the occurrence.

In August 2005, the supplier developed the first Weibull projection of incidents per thousand vehicles (IPTV). The supplier continued to analyze warranty data to understand the projection rate for vehicles at 12 and 36 months in service, which was difficult due to limited data.

In October 2005, GM developed an estimate of the number of occurrences at 36 months in service based on warranty information and owner reports. In December 2005, GM revised the estimated number of occurrences based on updated field data.

The issue was presented to the Field Performance Evaluation Review Committee (FPERC) and on January 13, 2006, the Executive Field Action Decision Committee (EFADC) decided to conduct a safety recall.

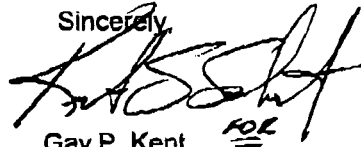
Letter to Mr. D. C. Smith
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573.6(c)(8): Dealers are to reprogram the ECM with new software that will compensate for fuel that has been transferred to the left side of the "saddle" design fuel tank in determining the fuel level.

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): GM will provide copies of the dealer bulletin and owner letter when available. It is anticipated that the new software will be available to be able to mail owner letters in March 2006.

Sincerely,

A handwritten signature in black ink, appearing to read 'G. Kent', with a stylized flourish at the end.

Gay P. Kent
Director

Product Investigations

05111
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</u>		<u>DESCRIPTIVE INFO. TO PROPERLY IDENT. VEH.</u>	<u>EST. NO. W/CONDITION</u>
				<u>(FROM)</u>	<u>(TO)</u>		
Cadillac	D Car	2005	7,575	04/2005	06/2005	CTS	*Unknown
Cadillac	D Car	2006	4,911	04/2005	07/2005	CTS	"
Cadillac	D Car	2005	3,760	04/2005	06/2005	STS	"
Cadillac	D Car	2006	1,216	04/2005	07/2005	STS	"

Estimated GM Total: 17,462

* All affected vehicles will be repaired.

05111

GM SERVICE AND PARTS OPERATIONS
DC153
URGENT - DISTRIBUTE IMMEDIATELY

Date: January 23, 2006

Subject: Upcoming Safety Recall
05111 - Fuel Gauge Inaccurate

Model: 2005-2006 Cadillac CTS and STS
Equipped with a V6 Engine

To: All Cadillac Dealers

Attention: Dealer Operator, General Manager, Sales Manager,
Used Car Manager, Service Manager, Parts Manager
and Warranty Administrator

Based on information from the National Highway Traffic Safety Administration (NHTSA) web site, the media may report that General Motors will be announcing a safety recall involving certain 2005-2006 model year Cadillac CTS and STS model vehicles equipped with a V6 engine.

These vehicles may have a situation where fuel is no longer supplied to the engine, due to certain driving patterns, with low fuel. This condition occurs without the illumination of the Fuel Level Low indicator light or the warning chime. If the engine stops running, the operator will not be able to restart the vehicle. In December 2005, GM notified owners by letter that they should maintain at least $\frac{1}{4}$ of a tank fuel level to avoid this condition.

Approximately 17,000 vehicles are involved. These vehicles were built between April 7, 2005 and July 1, 2005.

To correct this condition, dealers are to reprogram the ECM with new software that will compensate for fuel that has been transferred to the left side of the "saddle" design fuel tank in determining the fuel level.

It is anticipated that the new software will be available in March 2006 and dealers will be advised when a release date is established. GMVIS information for this recall will not be available until the recall bulletin is released to dealers.

END OF MESSAGE
GM SERVICE AND PARTS OPERATIONS