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By Recall Management Division at 12:47 pm, Jun 25, 2010

# TOYOTA

**TOYOTA MOTOR NORTH AMERICA, INC.**

WASHINGTON OFFICE

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June 25, 2010

10V-285  
(3 Pages)

Mr. Claude Harris  
Acting Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
Washington, DC 20590

Re: 2010 Lexus HS250h/FMVSS 301  
Part 573, Noncompliance Information Report


Dear Mr. Harris:

In accordance with the requirements of the National Traffic and Motor Vehicle Safety Act of 1966 and 49 CFR Part 573, on behalf of Toyota Motor Corporation ["TMC"], we hereby submit the attached Noncompliance Information Report concerning certain Lexus HS250h vehicles.

Should you have any questions about this report, please contact me at (202) 775-1707.

Sincerely,

TOYOTA MOTOR NORTH AMERICA, INC.



Chris Santucci  
Manager  
Technical & Regulatory Affairs

## NONCOMPLIANCE INFORMATION REPORT

1. Vehicle Manufacturer Name:

Toyota Motor Kyushu, Inc [“TMK”]  
1, Kamiariki, Miyawaka City,  
Fukuoka-ken, 823-0015, Japan

Affiliated U.S. Sales Company:

Toyota Motor Sales, USA, Inc. [“TMS”]  
19001 South Western Avenue  
Torrance, CA 90501

2. Identification of Affected Vehicles:

Model year 2010 Lexus HS250h vehicles are potentially affected.

3. Total Number of Vehicles Potentially Affected:

Approximately 17,000 model year 2010 HS250h vehicles have been manufactured.

4. Percentage of Vehicles Estimated to Actually Experience Noncompliance:

Unknown.

5. Description of Noncompliance:

S6.4 of FMVSS No. 301 requires that, when a vehicle is rotated on its longitudinal axis to each successive increment of 90 degrees following an impact crash test conducted under S6.2, fuel spillage shall not exceed the limits of S5.6. Following a rear impact crash test performed under S6.2(b), when the vehicle was rotated, the amount of fuel spillage exceeded the limits of S5.6.

6. Test results and other information

Following a rear moving barrier crash test performed by a NHTSA contractor (Calspan) under S6.2(b) of FMVSS No. 301, there was initially no fuel spillage. However, when the vehicle was rotated on its longitudinal axis, there were more than 142 grams of fuel spillage, which exceeded the limit of S5.6.

The root cause of the fuel leakage in the Calspan test is under investigation. In Toyota's developmental and other internal testing on the HS250h, some of which was performed at a speed greater than specified in S6.2(b), no fuel leakage occurred after any rear moving barrier crash and vehicle rotation. Toyota also conducted two S6.2(b) rear moving barrier tests subsequent to the Calspan test using mass production vehicles, and no fuel leakage occurred in either test. Toyota did note that vehicle body deformation in the Calspan test was different than in Toyota testing, but differences in test conditions have not been found at this time. Toyota's investigation will include review of body deformation differences.

7. Description of Corrective Repair Action:

TBD.

8. Owner Notification Schedule:

TBD.

9. Distributor/Dealer Notification Schedule:

Lexus Dealers and Distributors will be notified of a stop-sale order on June 25, 2010.  
Notification of corrective action: TBD.