TOYOTA

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Toyota Motor Engineering & Manufacturing North America, Inc.

Vehicle Safety & Compliance
Liaison Office
Mail Code: S-104
19001 South Western Avenue
Torrance, CA 90501

July 26, 2011

11V-377
(4 Pages)

Mr. Claude Harris
Acting Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attn: Recall Management Division (NVS-215)
1200 New Jersey Ave, SE
Washington, D.C. 20590

Re: Certain 2011 Lexus RX350 Vehicles
Part 573, Defect 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 Defect Information Report concerning a voluntary safety recall of certain 2011 Lexus RX350 vehicles to address an issue with the brake actuator assembly.

Should you have any questions about this report, please contact me at (502) 867-6027.

Sincerely,

V. Venugopal

Vinnie Venugopal
General Manager
Toyota Motor Engineering & Manufacturing
North America, Inc.

Enclosures
Part 573, Defect Information Report

DEFECT INFORMATION REPORT

1. Vehicle Manufacturer Name:

Toyota Motor Manufacturing Canada Inc. ["TMMC"]
1055 Fountain Street North, Cambridge, Ontario, Canada N3H 5K2

Affiliated U.S. Sales Company

Toyota Motor Sales, USA, Inc. ["TMS"]
19001 South Western Avenue, Torrance, CA 90509

Manufacturer of Brake Actuator Assembly

ADVICS Manufacturing Ohio, Inc.
1650 Kingsview Drive Lebanon, Ohio 45036
Telephone: 513-932-7878

2. Identification of Affected Vehicles:

Based on production records, we have determined the affected vehicle population as in the table below.

Make/ Car Line	Model Year	Manufac-turer	VIN		Production Period
			VDS	VIS	
Lexus/ RX350	2011	TMMC	BK1BA	BC081094 - BC106314	August 30, 2010 through May 18, 2011
			ZK1BA	BC041526 - BC059568	

Note: Although the involved vehicles are within the above VIN range, not all vehicles in this range were sold in the U.S.

Only a small number of vehicles equipped with VDIM (Vehicle Dynamics Integrated Management) produced within the range above are affected. Vehicles not equipped with the subject brake actuator assembly are not affected. Furthermore, no other vehicle models are equipped with the same actuator produced at the above supplier.

3. Total Number of Vehicles Potentially Affected:

Lexus RX350: 32

4. Percentage of Vehicles Estimated to Actually Contain the Defect:

100%

5. Description of Problem:

In the brake actuator for the subject vehicles, which are equipped with VDIM, the calibration for the hydraulic control valves is incorrect. The incorrect calibration had been written to the programming of the actuator during the manufacturing process. Due to this condition, there is a possibility that the right front wheel may not be controlled properly during ABS (Antilock Brake System) or VSC (Vehicle Stability Control) actuation. This could result in increased stopping distances and/or a failure to adequately correct excessive vehicle yaw, which could increase the risk of a vehicle crash.

6. Chronology of Principal Events:

On May 19, 2011, Toyota was informed by the supplier that the calibration for the hydraulic control valves in certain brake actuators shipped to TMMC was incorrect. Toyota immediately began investigating this issue with the supplier.

The production history at the supplier revealed that a production process change (starting production date July 15, 2010) caused the programming of the actuators to be incorrectly calibrated. The suspect actuators were installed only on a small number of 2011MY RX350 vehicles equipped with VDIM that were produced from August 30, 2010 to May 18, 2011.

Toyota began analyzing the incorrect calibration data and the potential effects on vehicle performance. It was found that the right front wheel may not be controlled properly during ABS or VSC actuation, which could result in increased stopping distances and/or a failure to adequately correct excessive vehicle yaw.

On July 20, 2011, Toyota decided to conduct a voluntary safety recall on the subject vehicles to replace the brake actuator.

7. Description of Corrective Repair Action:

All known owners of the subject vehicles will be notified by first class mail to return their vehicles to a Lexus dealer. The dealer will replace the brake actuator with a new one at no charge.

Reimbursement Plan for pre-notification remedies

As the vehicles are all within the active period of the Lexus New Vehicle Limited Warranty ("Warranty"), any prior repairs associated with this recall would have been provided at no cost under Warranty.

8. Recall Schedule:

Notifications to the owners will be sent in late August, 2011.
A copy of the draft owner notification letter will be submitted for ODI review as soon as it is available.

9. Distributor/Dealer Notification Schedule:

Toyota's notifications to distributors/dealers will be sent in the middle of August, 2011.
Copies of dealer communications will be submitted as they are issued.