

April 29, 2016

DEFECT INFORMATION REPORT

1. Vehicle Manufacturer Name:

Toyota Motor Manufacturing, Kentucky, Inc. ["TMMK"]
1001 Cherry Blossom Way, Georgetown, KY, 40324

Affiliated U.S. Sales Company

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

Manufacturer of the Sub-woofer

Harman International Industries
Ave de Las Torres 2990
Col. Lote Bravo
Ciudad Juarez, Chihuahua, MX 32575
Telephone: (656) 629-8400

Country of Origin: Mexico

2. Identification of Involved Vehicles:

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

Make/ Car Line	Model Year	Manufac- turer	VIN		Production Period
			VDS	VIS	
Toyota/ Avalon	2011- 2012	TMMK	BK3*B	BU366085- CU474015	February 9, 2010 through October 22, 2012

Note: (1) Although the involved vehicles are within the above VIN range, not all vehicles in this range were sold in the U.S.

(2) No other Toyota and Lexus vehicles use the same sub-woofer as the subject vehicles.

3. Total Number of Vehicles Potentially Involved:

51,495

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

Unknown

5. Description of Problem:

The subject vehicles audio system is equipped with a sub-woofer. The sub-woofer is located inside the trunk. Cargo inside the trunk could contact one of the sub-woofer litz (soft braided) wires, which can move the wire out of its normal position. If one of these wires contacts the metal frame of the subwoofer, this may result in an intermittent short, causing the integrated circuit (IC) in the audio amplifier to become damaged. In some cases, the damaged IC could create a closed- circuit between the power supply and sub-woofer, and electrical current can continue to flow to the sub-woofer. If this occurs, the sub-woofer could overheat, increasing the risk of a fire.

6. Chronology of Principal Events:

July 2013

A thermal incident on a MY 2011 Avalon subwoofer was reported. Toyota was unable to recover parts to allow an investigation to be performed, and the cause could not be determined.

August 2014 – November 2014

A second thermal incident in the trunk area was reported on a MY 2011 Avalon. The subwoofer and the amplifier were recovered and sent to the supplier for investigation.

December 2014 – January 2015

The supplier reported the results of its investigation. The results showed that the integrated circuit (IC) in the audio amplifier had been damaged and that this damage could result in electrical current to continue to flow to the sub-woofer. Additional investigation results of the subwoofer revealed that one of the subwoofer litz wires was moved out of its normal position, which can occur from cargo in the trunk contacting the wire. In this condition, if the wire makes contact with the metal frame of the subwoofer, this would create an intermittent short circuit, causing the integrated circuit (IC) in the audio amplifier to become damaged.

January 22, 2015

Toyota decided to conduct a voluntary safety recall campaign.

As of January 21, 2015, five Toyota field reports have been received on two unique VIN's related to this condition (three on one of the vehicles noted above and two on the other). No warranty claims have been received.

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 Toyota dealer. The dealer will replace the audio system amplifier and install a protective cover around the sub-woofer.

Reimbursement Plan for pre-notification remedies

The owner letter will instruct vehicle owners who have paid to have this condition remedied prior to this campaign to seek reimbursement pursuant to Toyota's General Reimbursement Plan.

8. Recall Schedule:

Notifications to owners will begin late February, 2015. A copy of the draft owner notification letter(s) will be submitted as soon as it is available.

9. Distributor/Dealer Notification Schedule:

Notifications to distributors/dealers will be sent on January 28, 2015. Copies of dealer communications will be submitted as they are issued.