

Part 573 Safety Recall Report

17V-619

Manufacturer Name : Toyota Motor Engineering & Manufacturing**Submission Date :** OCT 04, 2017**NHTSA Recall No. :** 17V-619**Manufacturer Recall No. :** HLE**Manufacturer Information :**

Manufacturer Name : Toyota Motor Engineering & Manufacturing
Address : 19001 South Western Avenue
 Torrance CA 90501
Company phone : 1-800-331-4331

Population :

Number of potentially involved : 18,130
Estimated percentage with defect : NR

Vehicle Information :**Vehicle 1 :** 2010-2010 Lexus HS250h**Vehicle Type :****Body Style :****Power Train :** NR

Descriptive Information : (1) Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S.
 (2) The affected vehicle production period is from the start of production until the final vehicle which contains a hybrid transaxle assembly produced prior to a crimping machine change as discussed below.
 (3) Other Toyota or Lexus hybrid vehicles sold in the U.S. use a different hybrid transaxle assembly design, or a hybrid transaxle assembly containing a holding plate crimped by a different machine. Other vehicles sold in the U.S. are not equipped with a hybrid vehicle transaxle assembly.

Note: Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the manufacturing issue in this case will lead to a hybrid system shutdown, creating an unreasonable risk to safety depends on each vehicle's operating conditions over time and the actual crimping dimensions achieved at the time of manufacturing (which are not recorded as a part of the manufacturing process).

Production Dates : JAN 29, 2009 - SEP 08, 2010**VIN Range 1 : Begin :**

NR

End : NR Not sequential

Description of Defect :

Description of the Defect : The subject vehicles are equipped with a hybrid vehicle transaxle assembly which contains Motor Generator 1 (MG1) for generating electrical power and starting the engine and Motor Generator 2 (MG2) for driving the vehicle. Due to insufficient crimping of a plate which holds the magnets on the MG1 motor shaft, the inner bore of the plate could wear, causing irregular movement around the motor shaft. In this condition, the plate could contact the electric motor coil and lead to a short circuit, illuminating warning lights and warning messages. In most cases, the vehicle will enter a fail-safe mode, resulting in reduced motive power and allowing the vehicle to be driven safely for a limited distance. Under rare conditions, the hybrid system could shut down, resulting in the loss of motive power (but not power steering and braking assist). Loss of motive power while driving at higher speeds could increase the risk of a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The plate could contact the electric motor coil and lead to a short circuit, illuminating warning lights and warning messages. In most cases, the vehicle will enter a fail-safe mode, resulting in reduced motive power and allowing the vehicle to be driven safely for a limited distance. Under rare conditions, the hybrid system could shut down, resulting in the loss of motive power (but not power steering and braking assist). Loss of motive power while driving at higher speeds could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning
that can Occur : NR**Supplier Identification :****Component Manufacturer**

Name : Toyota Motor Kyushu, Inc.

Address : 1 Kamiariki

Miyawaka City FOREIGN STATES 823-0015

Country : Japan

Chronology :

Please see attached Part 573 Defect Information Report for full chronology.

Description of Remedy :

Description of Remedy Program : All known owners of the involved vehicles will be notified by first class mail to return their vehicles to a Lexus dealer. Lexus dealers will replace the hybrid vehicle transaxle assembly with a new one. The owner letter will instruct vehicle owners who have paid to have this condition remedied prior to this campaign to seek reimbursement pursuant to Lexus's General Reimbursement Plan.

How Remedy Component Differs from Recalled Component : Recalled component name: Hybrid Vehicle Transaxle Assembly,
Recalled component description: HV Transaxle,
Recalled component part number: 30900-75020

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Notifications to owners of the affected vehicles will occur by November 27, 2017. A copy of the draft owner notification letter will be submitted as soon as available. Notifications to distributors/dealers were sent on October 3, 2017. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : OCT 03, 2017 - OCT 03, 2017

Planned Owner Notification Date : NOV 20, 2017 - NOV 27, 2017

* NR - Not Reported