

Part 573 Safety Recall Report

18V-432

Manufacturer Name : Toyota Motor Engineering & Manufacturing**Submission Date :** JUN 26, 2018**NHTSA Recall No. :** 18V-432**Manufacturer Recall No. :** JLF**Manufacturer Information :**

Manufacturer Name : Toyota Motor Engineering & Manufacturing
Address : 6565 Headquarters Drive
 Plano TX 75024
Company phone : 1-800-331-4331

Population :

Number of potentially involved : 114,998
Estimated percentage with defect : NR

Vehicle Information :**Vehicle 1 :** 2007-2011 Lexus GS350**Vehicle Type :****Body Style :****Power Train :** NR

Descriptive Information : (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S. (2) The involved vehicles are equipped with 3.5L V6 2GR-FSE gasoline engine with a fuel injection system containing two fuel pulsation dampers with a certain diaphragm material. Some Toyota or Lexus vehicles are equipped with pulsation dampers containing the same diaphragm material, however the material in those vehicles is exposed to lower temperatures during engine operation than in the involved vehicles due to different engine designs. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with pulsation dampers or the diaphragm material in the dampers are made of different materials. Note: Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to damage of the diaphragm material in fuel pulsation damper, creating an unreasonable risk to safety, depends on each vehicle's operating conditions.

Production Dates : JUN 19, 2006 - AUG 28, 2011**VIN Range 1 : Begin :**

NR

End : NR **Not sequential****Vehicle 2 :** 2006-2013 Lexus IS350**Vehicle Type :****Body Style :****Power Train :** NR

Descriptive Information : (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S. (2) The involved vehicles are equipped with 3.5L V6 2GR-FSE gasoline engine with a fuel injection system containing two fuel pulsation dampers with a certain diaphragm material. Some Toyota or Lexus vehicles are equipped with pulsation dampers containing the same diaphragm material,

however the material in those vehicles is exposed to lower temperatures during engine operation than in the involved vehicles due to different engine designs. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with pulsation dampers or the diaphragm material in the dampers are made of different materials. Note: Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to damage of the diaphragm material in fuel pulsation damper, creating an unreasonable risk to safety, depends on each vehicle's operating conditions.

Production Dates : MAY 27, 2005 - MAR 19, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2007-2011 Lexus GS450h

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S. (2) The involved vehicles are equipped with 3.5L V6 2GR-FSE gasoline engine with a fuel injection system containing two fuel pulsation dampers with a certain diaphragm material. Some Toyota or Lexus vehicles are equipped with pulsation dampers containing the same diaphragm material, however the material in those vehicles is exposed to lower temperatures during engine operation than in the involved vehicles due to different engine designs. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with pulsation dampers or the diaphragm material in the dampers are made of different materials. Note: Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to damage of the diaphragm material in fuel pulsation damper, creating an unreasonable risk to safety, depends on each vehicle's operating conditions.

Production Dates : SEP 26, 2005 - AUG 23, 2011

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2010-2014 Lexus IS350C

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S. (2) The involved vehicles are equipped with 3.5L V6 2GR-FSE gasoline engine with a fuel injection system containing two fuel pulsation dampers with a certain diaphragm material. Some Toyota or Lexus vehicles are equipped with pulsation dampers containing the same diaphragm material, however the material in those vehicles is exposed to lower temperatures during engine operation than in the involved vehicles due to different engine designs. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with pulsation dampers or the diaphragm material in the dampers are made of different materials. Note: Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to damage of the diaphragm material

in fuel pulsation damper, creating an unreasonable risk to safety, depends on each vehicle's operating conditions.

Production Dates : NOV 25, 2008 - AUG 05, 2014

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The subject vehicles are equipped with a 3.5L V6 2GR-FSE gasoline engine with an intake port injection system containing a fuel delivery pipe and two fuel pulsation dampers. The diaphragm material in the fuel pulsation dampers may harden over time due to a chemical process involving amine in the fuel, higher ethanol content in fuels used in countries such as the U.S., Canada, and China, and high temperatures. If this were to occur, cracks could develop on the diaphragm, causing fuel to leak. A fuel leak in the presence of an ignition source can increase the risk of a vehicle fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Cracks could develop on the diaphragm, causing fuel to leak. A fuel leak in the presence of an ignition source can increase the risk of a vehicle fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Maruyasu Industries Co., Ltd.

Address : 2-7-11 Shirakane, Showa-ku
Nagoya-shi, Aichi FOREIGN STATES 466-0058

Country : Japan

Chronology :

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

Description of Remedy :

Description of Remedy Program : All known owners of the subject vehicles will be notified by first class mail to return their vehicles to a Lexus dealer. The dealers will replace the fuel delivery pipe with a new one containing improved pulsation dampers. 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: Damper Assy, Fuel Pressure Pulsation, Recalled component description: Fuel Pulsation Damper, Part number: 23270-31020

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 early August, 2018. A copy of the draft owner notification letter will be submitted as soon as available. Notifications to distributors/dealers will be sent on June 26, 2018. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : JUN 26, 2018 - JUN 26, 2018

Planned Owner Notification Date : AUG 09, 2018 - AUG 09, 2018

* NR - Not Reported