

Part 573 Safety Recall Report

20V-064

Manufacturer Name : Toyota Motor Engineering & Manufacturing**Submission Date :** FEB 06, 2020**NHTSA Recall No. :** 20V-064**Manufacturer Recall No. :** See attached report**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 : 44,191
Estimated percentage with defect : NR

Vehicle Information :**Vehicle 1 :** 2020-2020 Toyota Avalon HV**Vehicle Type :****Body Style :****Power Train :** NR

Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with an engine assembly containing an engine block produced at the specific plant during the specific production period. Note: The percentage of vehicles estimated to actually contain the defect is less than 0.5%. Of the involved vehicles, approximately 250 vehicles received engine blocks that were produced under the conditions described below. Whether the issue in each case will lead to engine overheating or internal mechanical engine damage that can cause a non-hybrid vehicle stall or lead to a thermal event, depends on casting porosity condition of the engine block during production and each vehicle's operating environment.

Production Dates : SEP 16, 2019 - DEC 13, 2019**VIN Range 1 : Begin :**

NR

End : NR Not sequential**Vehicle 2 :** 2020-2020 Toyota Camry**Vehicle Type :****Body Style :****Power Train :** NR

Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with an engine assembly containing an engine block produced at the specific plant during the specific production period. Note: The percentage of vehicles estimated to actually contain the defect is less than 0.5%. Of the involved vehicles, approximately 250 vehicles received engine blocks that were produced under the conditions described below. Whether the issue in each case will lead to engine overheating or internal mechanical engine damage that can cause a non-hybrid vehicle stall or lead to a thermal event, depends on casting porosity condition

of the engine block during production and each vehicle's operating environment.

Production Dates : SEP 12, 2019 - JAN 15, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2020-2020 Toyota Camry HV

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with an engine assembly containing an engine block produced at the specific plant during the specific production period. Note: The percentage of vehicles estimated to actually contain the defect is less than 0.5%. Of the involved vehicles, approximately 250 vehicles received engine blocks that were produced under the conditions described below. Whether the issue in each case will lead to engine overheating or internal mechanical engine damage that can cause a non-hybrid vehicle stall or lead to a thermal event, depends on casting porosity condition of the engine block during production and each vehicle's operating environment.

Production Dates : SEP 16, 2019 - DEC 19, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2020 Toyota RAV4

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with an engine assembly containing an engine block produced at the specific plant during the specific production period. Note: The percentage of vehicles estimated to actually contain the defect is less than 0.5%. Of the involved vehicles, approximately 250 vehicles received engine blocks that were produced under the conditions described below. Whether the issue in each case will lead to engine overheating or internal mechanical engine damage that can cause a non-hybrid vehicle stall or lead to a thermal event, depends on casting porosity condition of the engine block during production and each vehicle's operating environment.

Production Dates : SEP 12, 2019 - NOV 20, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2019-2020 Toyota RAV4 HV

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. Other Toyota or Lexus vehicles sold in the

U.S. are not equipped with an engine assembly containing an engine block produced at the specific plant during the specific production period. Note: The percentage of vehicles estimated to actually contain the defect is less than 0.5%. Of the involved vehicles, approximately 250 vehicles received engine blocks that were produced under the conditions described below. Whether the issue in each case will lead to engine overheating or internal mechanical engine damage that can cause a non-hybrid vehicle stall or lead to a thermal event, depends on casting porosity condition of the engine block during production and each vehicle's operating environment.

Production Dates : SEP 12, 2019 - DEC 10, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2020 Lexus ES300h

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with an engine assembly containing an engine block produced at the specific plant during the specific production period. Note: The percentage of vehicles estimated to actually contain the defect is less than 0.5%. Of the involved vehicles, approximately 250 vehicles received engine blocks that were produced under the conditions described below. Whether the issue in each case will lead to engine overheating or internal mechanical engine damage that can cause a non-hybrid vehicle stall or lead to a thermal event, depends on casting porosity condition of the engine block during production and each vehicle's operating environment.

Production Dates : SEP 16, 2019 - DEC 18, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The subject vehicles are equipped with a 2.5L 4 Cylinder engine (A25A) and may have been produced with engine blocks containing higher porosity levels. Higher levels of porosity could create cracks in the cooling passages, resulting in coolant leaking internally and/or externally. This may lead to engine noise, engine smoke, warning lights/malfunction indicator illumination, an audible chime sounding, and/or, in some cases, engine overheating and possible internal mechanical engine damage (e.g. seizing of internal engine components). If engine overheating or internal mechanical engine damage were to occur on involved conventional gasoline vehicles, a vehicle stall while driving at higher speeds could occur without prior warning to the driver, increasing the risk of crash. For hybrid and conventional gasoline vehicles, the internal mechanical engine damage can potentially cause engine oil to leak, which, in the presence of an ignition source, can lead to an increased risk of fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If engine overheating or internal mechanical engine damage were to occur on involved conventional gasoline vehicles, a vehicle stall while driving at higher speeds could occur without prior warning to the driver, increasing the risk of crash. For hybrid and conventional gasoline vehicles, the internal mechanical engine damage can potentially cause engine oil to leak, which, in the presence of an ignition source, can lead to an increased risk of fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Toyota Bodine Aluminum, Inc.

Address : 301 James Lawrence Rd
Jackson TENNESSEE 38301

Country : United States

Chronology :

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

Description of Remedy :

Description of Remedy Program : For all involved vehicles, Toyota and Lexus dealers will inspect the engine block casting serial number to determine if it is involved. In the cases where an involved engine block is identified, dealers will replace the engine including the engine block with a new one at no cost to customers.

As the owner notification letters will be mailed out well within the active period of the Toyota New Vehicle Limited Warranty ("Warranty"), all involved vehicle owners for this recall would have been provided a repair at no cost under Toyota's Warranty.

How Remedy Component Differs from Recalled Component : Recalled component name: Cylinder Block Assembly, Recalled component description: Engine Block, Recalled component part number: 11410-F0013, 11410-F0023

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 April, 2020. A copy of the draft owner notification will be submitted as soon as it is available. Notifications to distributors/dealers were sent on February 6, 2020. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : FEB 06, 2020 - FEB 06, 2020

Planned Owner Notification Date : APR 06, 2020 - APR 06, 2020

* NR - Not Reported