

Part 573 Safety Recall Report

20V-231

Manufacturer Name : McLaren Automotive Incorporated

Submission Date : MAY 01, 2020

NHTSA Recall No. : 20V-231

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : McLaren Automotive Incorporated

Address : 1405 S. Beltline Road, Suite 100
Coppell TX 75019

Company phone : 646-429-8916

Population :

Number of potentially involved : 2,763

Estimated percentage with defect : NR

Vehicle Information :

Vehicle 1 : 2016-2020 McLaren 720S

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The recall population includes all 720S model vehicles equipped with an NVH foam pad. Vehicles without such a foam pad are not included.
2,008 model year 2018-2020 720S vehicles are potentially involved.

Production Dates : OCT 23, 2016 - FEB 11, 2020

VIN Range 1 : Begin : SBM14DCA0JW000008 **End :** SBM14FCA7LW005477 ☒ Not sequential

Vehicle 2 : 2017-2019 McLaren 570GT

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The recall population includes all 570GT vehicles equipped with an NVH foam pad. Vehicles without such a foam pad are not included.
373 model year 2017-2019 570GT vehicles are potentially involved.

Production Dates : MAY 01, 2016 - JAN 09, 2019

VIN Range 1 : Begin : SBM13GAA4HW000546 **End :** SBM13GAA1KW888888 ☒ Not sequential

Vehicle 3 : 2019-2019 McLaren Senna

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The recall population includes all Senna vehicles equipped with an NVH foam pad. Vehicles without such a foam pad are not included.
157 model year 2019 Senna vehicles are potentially involved.

Production Dates : JUN 22, 2018 -DEC 06, 2019

VIN Range 1 : Begin : SBM15ACAXKW800005 End : SBM15ACA5KW100828 ☒ Not sequential

Vehicle 4 : 2020-2020 McLaren GT

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The recall population includes all model year 2020 GT vehicles equipped with an NVH foam pad. Vehicles without such a foam pad are not included.
225 model year 2020 GT vehicles are potentially involved.

Production Dates : SEP 10, 2019 -MAR 20, 2020

VIN Range 1 : Begin : SBM22GCA6LW000089 End : SBM22GCA0LW000766 ☒ Not sequential

Description of Defect :

Description of the Defect : The noise vibration and harshness foam pad (NVH foam pad) situated underneath the fuel tank can potentially retain corrosive moisture from the environment and over time corrode the surface of the fuel tank where the NVH foam is in contact with the surface of the fuel tank. This corrosive action can over time lead to micro-porations in the fuel tank, possibly causing the release of a small amount of fuel vapour and/or liquid. This potential release would be into a 'cool' part of the vehicle (below the fuel tank, in between the under-surface of the fuel tank and the NVH foam) and not proximate to combustible or exothermic elements of the vehicle, such as the exhaust or the powertrain.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event that corrosive moisture retained between the fuel tank underside surface and the NVH foam pad causes micro-porations in the fuel tank, over time this could lead to the release of fuel vapour and/or liquid. Although the potential release would be into a 'cool' part of the vehicle, and therefore well away from any combustible or exothermic areas of the vehicle (such as the exhaust or the powertrain), if the condition were left untreated, fuel could eventually leak underneath the vehicle, which could increase the risk of a fire.

Description of the Cause : The NVH foam pad is inserted directly underneath the fuel tank and is in contact with the under-surface of the fuel tank. If corrosive moisture, such as

Identification of Any Warning that can Occur :	salt water, is retained by the NVH foam pad, it could potentially, over time, corrode the surface of the fuel tank and lead to micro-porations in the tank. The smell of fuel coming from the area around the fuel tank location would act as a warning to the vehicle operator that fuel may be escaping from the fuel tank.
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Involved Components :

Component Name 1 : Fuel Tank for 720S vehicles and GT vehicles

Component Description : See discussion in "Manufacturer Comments to NHTSA Staff"

Component Part Number : 14KA060CP

Component Name 2 : Fuel Tank for 570GT vehicles

Component Description : See discussion in "Manufacturer Comments to NHTSA Staff"

Component Part Number : 13KA049CP

Component Name 3 : Fuel Tank for Senna vehicles

Component Description : See discussion in "Manufacturer Comments to NHTSA Staff"

Component Part Number : 15KA045CP

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On 14 January 2019, a customer in Latvia reported to a McLaren dealer that he could smell fuel coming from his MY 2018 McLaren 570GT. The dealer replaced the customer's fuel tank and reported the issue to McLaren. The dealer sent the original tank to McLaren for analysis. McLaren subsequently sent the fuel tank to the supplier to conduct a root cause analysis.

On 13 May 2019, the fuel tank supplier provided a root cause analysis report to McLaren. The supplier confirmed that the fuel tank had been built to specification and speculated that the cause of the micro-porations to the fuel tank might be corrosion resulting from salt water being held against the fuel tank. The vehicle in question was a former press car that was subjected to high mileage, wear and tear and a greater range of road conditions than a typical vehicle of the same type and age. McLaren therefore decided to monitor warranty claims on fuel tanks to establish if this was an isolated incident.

On 10 February 2020, a customer based in the United Kingdom reported to a McLaren dealer that he could smell fuel coming from his MY 2016 McLaren 570GT. The dealer replaced the customer's fuel tank on 21 February 2020 and reported the issue to McLaren on 27 February 2020. The fuel tank was returned to McLaren for inspection on 3 March 2020.

On 3 March 2020, McLaren reopened its internal investigation. This included a review by McLaren engineers of the returned fuel tank and a series of reviews to scrutinize the matter. McLaren analyzed the use of the NVH foam pad and the implications of removing the NVH foam pad as a potential remedy. The investigation was broadened to include all model types using an NVH foam pad under the fuel tank.

McLaren is not aware of any reports or warranty claims of micro-poration of fuel tanks on any other vehicles. Although neither of the two confirmed cases involved a fire, in mid-April 2020, McLaren decided to conduct a voluntary safety recall to address this issue.

Description of Remedy :

Description of Remedy Program : Dealers will remove the NVH foam pad (such removal will not have any effect upon the safety of the vehicle). The fuel tank will be inspected to determine whether there has been corrosion of the surface of the fuel tank. In the event that there are micro-porations in the fuel tank, evidence will be provided to McLaren's technical support team and a decision will be made as to whether the fuel tank needs to be replaced. This remedy will be carried out at no charge to the customer.

McLaren will notify all owners of recalled vehicles that are not covered by the manufacturer's warranty that they may be eligible for reimbursement pursuant to the Company's General Reimbursement Plan, which will be submitted to NHTSA in the very near future.

How Remedy Component Differs from Recalled Component : There is no remedy component. The NVH foam pad will be removed from the floor panel. In the event that the fuel tank needs to be replaced, the same fuel tank component will be used. There is no defect in the design of or the materials used in the fuel tank.

Identify How/When Recall Condition was Corrected in Production : All affected vehicles in production and awaiting sale will be modified so that the NVH foam pads are removed from the floor panel, as per the recall remedy. No affected vehicles will be sold without the remedy being applied.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported