

Part 573 Safety Recall Report

23V-484

Manufacturer Name : McLaren Automotive Incorporated**Submission Date :** SEP 06, 2023**NHTSA Recall No. :** 23V-484**Manufacturer Recall No. :** NA**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 : 652

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 McLaren 600LT

Vehicle Type : LOW VOLUME VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : The recall population consists of all vehicles of the McLaren 600LT coupe and McLaren 600LT spider.

Production Dates : JUL 04, 2019 - JUL 16, 2020

VIN Range 1 : Begin : SBM13RAA3KW006535 End : SBM13SAA6LW009194 Not sequential**Description of Defect :**

Description of the Defect : The outboard right hand radiator joint between the temperature sensor housing and the hose running from the outboard radiator to the housing can potentially leak due to inadequate sealing of the joint. This loss of sealing can occur due to vehicle loads, in particular during dynamic driving manoeuvres commonly associated with track running due to the heat/pressure cycling of the car at higher vehicle loads. During these high vehicle loads the coolant system goes through cycles of higher pressures and heat where the joint is expanding and contracting. After prolonged exposure to these driving loads the joint can potentially lose sealing/sufficient contact to cause a leak of coolant.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event that the joint were to leak, coolant would be released from the joint into the engine bay. The joint between the coolant pipe and the temperature sensor housing is situated close to engine components which have a high operating temperature. If sufficient coolant is released in proximity to these components while at high operating temperature, it could result in thermal activity.

Description of the Cause : McLaren has determined the cause to be the joint design that was used to secure the hose to the temperature sensor housing. McLaren has concluded that this joint type in this application may not provide the sealing that is necessary to assure the connection under all operating conditions.

Identification of Any Warning that can Occur : N/A

Involved Components :

Component Name 1 : HOSE-RAD-UPR-RH-OUTBOARD-DIN

Component Description : All aspects of the joint are included under this part number

Component Part Number : 13L0242CP

Component Name 2 : HOSE-RAD-UPR-LH-OUTBOARD-DIN

Component Description : All aspects of the joint are included under this part number

Component Part Number : 13L0243CP

Supplier Identification :

Component Manufacturer

Name : N/A

Address : NR

NR

Country : NR

Chronology :

During a regular audit of a McLaren retailer during December 2022, a technician at the retailer identified to McLaren a risk of coolant leakage affecting the McLaren 600LT from the affected component.

This prompted McLaren to investigate the warranty claims made in relation to the affected component. In January 2023, McLaren completed an initial audit of the warranty data and observed a higher amount of warranty claims relating to the affected components on the McLaren 600LT as compared to similar models. McLaren subsequently started an analysis of the design, the circumstances, and the environment of the claims.

In June 2023, McLaren's engineering team concluded its analysis and reported that the design of the joint may

not have sufficient tolerance for the loads placed on it, which could potentially result in a coolant leak.

In early July 2023 the decision was made to conduct a voluntary safety recall to upgrade the joint in all affected vehicles as a precautionary measure.

McLaren considers the risk of occurrence of any form of leakage to be relatively low, based on our review of warranty data from the affected component, which showed 57 warranty claims relating to a leak (of any kind) out of a total of 2,108 vehicles. McLaren is not aware of any reports of injuries relating to this issue.

Description of Remedy :

Description of Remedy Program : McLaren will replace the coolant hose, temperature sensor housing and clamp with a new hose, temperature sensor housing and new constant pressure clamp.

This remedy will be carried out at no charge to the customer.

How Remedy Component Differs from Recalled Component : The remedy component uses a new constant pressure clamp, which will maintain the seal at the joint.

Identify How/When Recall Condition was Corrected in Production : The vehicles model subject to this recall is no longer in production.

Recall Schedule :

Description of Recall Schedule : Owners will be notified all at once via letters. All owners will have the remedy applied at no charge to them.

Planned Dealer Notification Date : SEP 07, 2023 - SEP 07, 2023

Planned Owner Notification Date : SEP 07, 2023 - SEP 07, 2023

* NR - Not Reported