

Part 573 Safety Recall Report

21V-561

Manufacturer Name : McLaren Automotive Incorporated**Submission Date :** JUL 23, 2021**NHTSA Recall No. :** 21V-561**Manufacturer Recall No. :** NR**Manufacturer Information :****Population :**

Manufacturer Name : McLaren Automotive Incorporated

Number of potentially involved : 19

Address : 1405 S. Beltline Road, Suite 100

Estimated percentage with defect : 100 %

Coppell TX 75019

Company phone : 646-429-8916

Vehicle Information :

Vehicle 1 : 2020-2020 McLaren 570S

Vehicle Type : LOW VOLUME VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Based on information provided by the supplier, brake pipe assemblies containing improperly manufactured banjo bolts were provided to McLaren between 8 July 2019 and 11 December 2019. Those brake pipe assemblies were installed in McLaren vehicles manufactured between 8 July 2019 and 15 March 2020. The recall population (one vehicle) was determined by the engineering assessment more fully described in the Chronology below.

Production Dates : AUG 27, 2019 - AUG 27, 2019

VIN Range 1 : Begin : SBM13DAA3LW008645 End : SBM13DAA3LW008645 Not sequential

Vehicle 2 : 2020-2020 McLaren GT

Vehicle Type : LOW VOLUME VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Based on information provided by the supplier, brake pipe assemblies containing improperly manufactured banjo bolts were provided to McLaren between 8 July 2019 and 11 December 2019. Those brake pipe assemblies were installed in McLaren vehicles manufactured between 8 July 2019 and 15 March 2020. The recall population (7 vehicles) was determined by the engineering assessment more fully described in the Chronology below.

Production Dates : SEP 29, 2019 - DEC 07, 2019

VIN Range 1 : Begin : SBM22GCA3LW000101 End : SBM22GCA0LW000508 Not sequential

Vehicle 3 : 2019-2019 McLaren 600LT

Vehicle Type : LOW VOLUME VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Based on information provided by the supplier, brake pipe assemblies containing improperly manufactured banjo bolts were provided to McLaren between 8 July 2019 and 11 December 2019. Those brake pipe assemblies were installed in McLaren vehicles manufactured between 8 July 2019 and 15 March 2020. The recall population (one vehicle) was determined by the engineering assessment more fully described in the Chronology below.

Production Dates : AUG 06, 2019 - AUG 06, 2019

VIN Range 1 : Begin : SBM13RAA9KW008595 End : SBM13RAA9KW008595 Not sequential

Vehicle 4 : 2019-2020 McLaren 720S

Vehicle Type : LOW VOLUME VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Based on information provided by the supplier, brake pipe assemblies containing improperly manufactured banjo bolts were provided to McLaren between 8 July 2019 and 11 December 2019. Those brake pipe assemblies were installed in McLaren vehicles manufactured between 8 July 2019 and 15 March 2020. The recall population (10 vehicles) was determined by the engineering assessment more fully described in the Chronology below.

Production Dates : JUL 24, 2019 - DEC 16, 2019

VIN Range 1 : Begin : SBM14FCA3LW004682 End : SBM14FCA3LW005346 Not sequential

Description of Defect :

Description of the Defect : The banjo bolt that is fitted between the flexi-hose and the calliper within the brake assembly on each corner of the vehicle may not function properly. The banjo bolt is designed to include holes to allow the passage of hydraulic fluid to the brake calliper. However, the banjo bolts fitted on some of the brake assemblies may not have had the holes drilled into them. If this is the case, there would be no hydraulic pressure to the calliper, and there would be no braking effect on the affected corner of the vehicle.

Under those circumstances, the vehicle could pull to the left or the right, depending on which corner of the vehicle was affected. However, it should be noted that the vehicle's electronic stability programme will function to detect the wheel speed, and it will adjust the wheel speed of the other wheels to adjust the braking balance, which would mitigate the pulling effect.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a vehicle is fitted with a defective banjo bolt, there will be no braking effect

Description of the Safety Risk : at the relevant corner of the vehicle. This could result in the vehicle pulling to one side under braking, particularly when braking from a high speed, which could increase the risk of a crash.

Description of the Cause : McLaren sources a brake pipe assembly from a third-party supplier, which sources the banjo bolt from a sub-supplier. We have been advised by the supplier that the drill bit used to drill the holes in the banjo bolt broke on the sub-supplier's machine. Unfortunately, the sensor on the machine that should have detected this problem did not function properly leading to a number of potentially defective banjo bolts being used by the supplier to manufacture brake pipe assemblies. As a result, a number of potentially defective brake pipe assemblies were supplied to McLaren unknowingly.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : HOSE-BRAKE-4BD-FR-IRON-+CCM

Component Description : Brake Pipe Assembly

Component Part Number : 11C0680CP.02

Supplier Identification :

Component Manufacturer

Name : Goodridge Limited

Address : Dart Building, Grenadier Road
Exeter Business Park Exeter Foreign States EX1 3QF

Country : United Kingdom

Chronology :

A McLaren dealer in Kuwait took a McLaren GT (MY 2020) on a validation drive following routine repair and maintenance work. The vehicle was approximately 18 months old with a mileage of over 4,000km at the time. On the validation drive, the dealer felt the vehicle pulling to one side under braking. On inspection, the dealer found a banjo bolt that did not have the holes drilled into it. The dealer submitted its findings to McLaren on 2 May 2021.

On 6 May 2021 McLaren contacted the supplier of brake pipe assemblies to request it to investigate a potential issue with the banjo bolt.

On 12 May 2021, the supplier advised McLaren that improperly manufactured banjo bolts were used on certain McLaren brake pipe assemblies manufactured between 8 July 2019 and 10 December 2019. McLaren has determined that up to 916 vehicles manufactured between 8 July 2019 and 15 March 2020 and imported into the United States could potentially have been equipped with those brake hose assemblies.

NOTE TO NHTSA: BECAUSE THE FULL CHRONOLOGY EXCEEDED THE 2000-CHARACTER LIMIT FOR THIS FIELD, THE REMAINDER OF THE CHRONOLOGY HAS BEEN SET OUT IN THE "MANUFACTURER COMMENTS TO NHTSA STAFF: FIELD.

Description of Remedy :

Description of Remedy Program : On each corner of the vehicle, dealers will disassemble the brake hose assembly, remove the banjo bolt and inspect it. In the event the banjo bolt is defective, it will be replaced. The brake hose assembly will then be reassembled and the brakes bled.

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

Because all of the recalled vehicles are still covered by the manufacturer's warranty, McLaren will not be applying its reimbursement plan in this recall.

How Remedy Component Differs from Recalled Component : The remedy banjo bolts have the same part number as the problem banjo bolts.

The sub-supplier has identified the batch of banjo bolts which were improperly manufactured. All bolts to be used in the remedy program were manufactured properly.

The supplier now completes a full inspection of the banjo bolts it receives from its sub-supplier and marks each bolt to denote that it has been inspected.

Identify How/When Recall Condition was Corrected in Production : The supplier has advised McLaren that all banjo bolts produced after 11 December 2019 are 'safe' stock. As of this date, the sensor on the sub-supplier's machine was reconfigured to function correctly.

Recall Schedule :

Description of Recall Schedule : TBD

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported