Part 573 Safety Recall Report 22V-908

Manufacturer Name : McLaren Automotive Incorporated
Submission Date : JAN 23, 2023
NHTSA Recall No. : 22V-908
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 : 164
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 McLaren Artura
Vehicle Type : LOW VOLUME VEHICLES
Body Style : 2-DOOR
Power Train : GAS
Descriptive Information : The fuel pipes on the recalled vehicles were equipped with cold formed nuts, while the vehicles that were not included in the recall have fuel pipes thar were equipped with fully machined nuts. McLaren was able to identify the vehicles with cold formed nuts by reviewing its production records.
Production Dates : OCT 08, 2021 - NOV 14, 2022
VIN Range 1 : Begin : SBM16AEA3PW000177 End : SBM16AEA1PW000372 ☑ Not sequential

Description of Defect :

Description of the Defect : The cold formed nuts of the high-pressure fuel pipes can potentially loosen from the male threaded outlet connection of the gasoline direct injection fuel pump when subjected to vehicle loads, in particular during dynamic driving manoeuvres commonly associated with track running.
FMVSS 1 : NR
FMVSS 2 : NR
Description of the Safety Risk : If the nut becomes loose, the seal between the end flare of the fuel pipe and the sealing cone of the pump outlet may be disrupted, leading to the release of fuel. The end flare of the fuel pipe is situated close to engine components which have a high operating temperature. If fuel is released in proximity to these components, it could result in thermal activity.
Description of the Cause : McLaren has determined the cause to be the type of nut that was used to secure the fuel pipe to the gasoline direct injection fuel pump. The nut on the affected vehicles is a cold formed nut with rolled threads. McLaren has concluded that this nut may have a lower residual torque than is necessary to assure the

	connection. McLaren considers this to be due to a low coefficient of friction as a result of the process used to manufacture a cold formed nut compared to the process used to manufacture a fully machined nut.
Identification of Any Warning that can Occur :	NR

Involved Components :

Component Name 1 :	Left hand and right hand high-pressure fuel pipes
Component Description :	Fuel pipes equipped with15mm length, cold formed nuts with rolled threads)
Component Part Number :	16FB270CP.05 (left hand) and 16FB626CP.03 (right hand)

Supplier Identification :

Component Manufacturer

Name :	NR
Address :	NR
	NR
Country :	NR

Chronology :

See separate document.

Description of Remedy :

Description of Remedy Program :	McLaren will replace the high-pressure fuel pipes, which are equipped with 15mm cold formed nuts with rolled threads, with new high-pressure fuel pipes equipped with 16.5mm fully machined nuts with cut threads. This remedy will be carried out at no charge to the customer. Since all of the covered vehicles are covered by warranty, there is no need for a reimbursement program.
How Remedy Component Differs from Recalled Component :	The fully machined nuts with cut threads have a higher coefficient of friction than the cold formed nuts with rolled threads.

Identify How/When Recall Condition was Corrected in Production :	On 17 September 2022, McLaren began using fuel pipes equipped with fully machined nuts.

Recall Schedule :

Description of Recall Schedule :	Dealers and owners will be notified as per the dates provided in this section.
Planned Dealer Notification Date :	DEC 19, 2022 - DEC 19, 2022
Planned Owner Notification Date :	DEC 27, 2022 - DEC 27, 2022

* NR - Not Reported