

Part 573 Safety Recall Report

19V-141

Manufacturer Name : McLaren Automotive Incorporated

Submission Date : JUL 16, 2019

NHTSA Recall No. : 19V-141

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : McLaren Automotive Incorporated

Address : 750 Third Avenue, Suite 2400
NEW YORK NY 10017

Company phone : 646-429-8916

Population :

Number of potentially involved : 2,792

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2012-2013 McLaren MP4-12C

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : There are 235 MP4-12C vehicles set out in the VIN range below which are situated across all zones as defined in NHTSA's Amendment to November 3, 2015 Consent Order.

Production Dates : JAN 28, 2011 - JAN 07, 2014

VIN Range 1 : Begin : SBM11AAA0EW003054 End : SBM13GAA3HW002997 ☒ Not sequential

Vehicle 2 : 2014-2016 McLaren 650S

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : There are 829 650S vehicles set out in the VIN range below which are situated across all zones as defined in NHTSA's Amendment to November 3, 2015 Consent Order.

Production Dates : JAN 10, 2014 - OCT 29, 2016

VIN Range 1 : Begin : SBM11FAAXGW006222 End : SBM11DAA0FW004188 ☒ Not sequential

Vehicle 3 : 2015-2017 McLaren 570

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : There are 1271 McLaren 570 vehicles set out in the VIN range below which are situated across all zones as defined in NHTSA's Amendment to November 3, 2015 Consent Order.

Production Dates : SEP 16, 2015 - OCT 31, 2017

VIN Range 1 : Begin : SBM13DAA0GW000086 End : SBM13FAB6JW003795 ☒ Not sequential

Vehicle 4 : 2014-2015 McLaren P1

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : There are 121 P1 vehicles set out in the VIN range below which are situated across all zones as defined in NHTSA's Amendment to November 3, 2015 Consent Order.

Production Dates : JAN 30, 2013 - DEC 23, 2016

VIN Range 1 : Begin : SBM12ABA0EW000084 End : SBM12ABB8EW000018 ☒ Not sequential

Vehicle 5 : 2015-2016 McLaren 675 LT

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : There are 336 675LT vehicles set out in the VIN range below which are situated across all zones as defined in NHTSA's Amendment to November 3, 2015 Consent Order.

Production Dates : MAY 20, 2015 - JAN 17, 2017

VIN Range 1 : Begin : SBM11RAA0GW675021 End : SBM11SAAXGW675941 ☒ Not sequential

Description of Defect :

Description of the Defect : Certain McLaren Automotive Inc ("McLaren") vehicles are equipped with passenger airbags (the "Airbags") provided by the supplier Takata Petri AG ("Takata"). On May 16, 2016 Takata filed a Defect Information Report ("DIR") with NHTSA announcing a potential defect in some of the Airbags' inflators. In the DIR Takata stated, "Takata has determined that a defect related to motor vehicle safety may arise in some of the subject ammonium nitrate inflators due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures and high temperature cycling. Testing and analyses conducted by Takata and by independent entities have found that there are wide differences in the time periods in which propellant degradation takes place. The propellant degradation varies in different climate zones, in different vehicle makes and models, and in different inflator and propellant configurations. Takata believes that the subject inflators perform as Part 573 Safety Recall Report 16V-341 Page 2 The information contained in this report was submitted pursuant to 49 CFR §573 originally designed and manufactured and do not pose an unreasonable risk to safety until they reach a certain level of propellant degradation." McLaren is not aware of any incidents in the field, warranty claims or consumer complaints involving the Airbags used in its vehicles

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : According to Takata: "Activation of a non-desiccated ammonium nitrate

Description of the Safety Risk : inflator with degraded propellant may result in an inflator rupture. An inflator rupture may cause metal fragments to pass through the air bag and into the vehicle interior at high speed, which may result in injury or death to vehicle occupants".

Description of the Cause : Pursuant to Defect Information report filed with NHTSA by Takata on May 16, 2016, in relation to Takata's non-desiccated frontal Takata PSAN inflators, Takata stated: "The propellant wafers in some of the subject inflators may degrade over time, which could lead to over-aggressive combustion in the event the air bag is activated. Overly aggressive combustion creates excessive internal pressure when the inflator is activated, which may cause the inflator body to rupture. Based upon Takata's investigation to date, the potential for such ruptures occurs in some of the subject inflators after several years of exposure to persistent conditions of high absolute humidity, high temperatures, and high temperature cycling. The potential for rupture may also be influenced by other factors, including the specific vehicle environment, the inflator and propellant configuration, and manufacturing variability."

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Takata Petri AG

Address : Bahnweg 1
D-63743 Aschaffenburg FOREIGN STATES NA

Country : Germany

Chronology :

Certain McLaren Automotive Inc ("McLaren") vehicles are equipped with passenger airbags (the "Airbags") provided by the supplier Takata Petri AG ("Takata"). On May 16, 2016 Takata filed a Defect Information Report ("DIR") with NHTSA announcing a potential defect in some of the Airbags' inflators. In the DIR Takata stated, "Takata has determined that a defect related to motor vehicle safety may arise in some of the subject ammonium nitrate inflators due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures and high temperature cycling. Testing and analyses conducted by Takata and by independent entities have found that there are wide differences in the time periods in which propellant degradation takes place. The propellant degradation varies in different climate zones, in different vehicle makes and models, and in different inflator and propellant configurations. Takata believes that the subject inflators perform as Part 573 Safety Recall Report 16V-341 Page 2 The information contained in this report was submitted pursuant to 49 CFR §573 originally designed and manufactured and do not pose an unreasonable risk to safety until they reach a certain level of propellant degradation." McLaren is not aware of any incidents in the field, warranty claims or consumer complaints involving the Airbags used in its vehicles.

Description of Remedy :

Description of Remedy Program : McLaren will issue notification letters to all affected customers on the 31st March 2019. McLaren will remedy affected vehicles at no cost to the customers.

How Remedy Component Differs from Recalled Component : McLaren will replace the Airbags with a Takata airbag containing a propellant based on guanidine nitrate, a compound that is less sensitive to moisture and temperature swings.

Identify How/When Recall Condition was Corrected in Production : The previous ammonium nitrate airbag was deemed by Takata to have a vulnerability to degradation when exposed to moisture and Takata made the switch to guanidine nitrate which does not contain any desiccant to reduce this sensitivity. McLaren therefore made the correction in production on the 31st October 2017 so that no further cars were produced from that day onwards contained the defective airbag.

Recall Schedule :

Description of Recall Schedule : The recall notifications and bulletins were sent out on 28th March 2019

Planned Dealer Notification Date : MAR 28, 2019 - MAR 28, 2019

Planned Owner Notification Date : MAR 28, 2019 - MAR 28, 2019

* NR - Not Reported