

Part 573 Safety Recall Report

17V-610

Manufacturer Name : Maserati North America, Inc.**Submission Date :** SEP 29, 2017**NHTSA Recall No. :** 17V-610**Manufacturer Recall No. :** 359**Manufacturer Information :**

Manufacturer Name : Maserati North America, Inc.

Address : One Chrysler Drive

Auburn Hills MI 48326

Company phone : 201-510-2369

Population :

Number of potentially involved : 439

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2015-2017 Maserati Quattroporte GTS

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The affected vehicles consist of model years 2015, 2016 and 2017 Maserati Quattroporte GTS vehicles, equipped with the V8 3.8 liter engine. Vehicles in the recall population include the entire production volume for the model and model years identified. Similar vehicles not included in the recall population do not contain the subject low pressure fuel pump resistor.

Production Dates : JUL 18, 2014 - JUL 31, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The defect has been identified as a low pressure fuel pump resistor that could potentially fail when the operative current reaches the maximum allowed by the resistor; in that case the resistor failure comes as a result of cycle time/ temperature fatigue. If the resistor fails, the low pressure pump will stop working due to an open circuit (resistor failure) and without fuel pump working the engine losses power and eventually stalls, which can cause a vehicle crash without warning.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the resistor fails, the low pressure pump will stop working due to an open circuit (resistor failure) and without fuel pump working the engine losses power and eventually stalls, which can cause a vehicle crash without warning.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

On July 12th, 2017 Maserati Regulatory department opened an internal investigation following 119 warranty claims worldwide related to the failure of the fuel pump resistor on Maserati Quattroporte GTS equipped with the V8 3.8 liter engine, The vehicles involved in these incidents had an average mileage of failure around 19,500 Km.

On July 27th, 2017, Maserati completed the product analysis and found in total 119 potentially related incidents worldwide. The vehicles involved in these incidents had an average mileage of failure around 19,500 Km.

Warranty parts analysis traced root cause to thermal wearing for high temperature and high current. As part of the investigation, testing done with development vehicles found that the current absorbed by the resistor (>14A) is often comparable with the maximum allowed (15A) with consequent failure due to cycle time and temperature fatigue.

On September 22nd, 2017, Maserati decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : The proposed remedy is the replacement of the fuel pump resistor cable assembly with a new one with different material (alloy) and higher temperature resistance and dissipation capacity.

How Remedy Component Differs from Recalled Component : Current Fuel Pump Resistor rated at 15 A / 600 °C - P/N 670030940
New Fuel Pump Resistor rated at >20 A / 1200 °C - P/N 670104011

Identify How/When Recall Condition was Corrected in Production : New Fuel pump Resistor P/N 670104011 released for start of production for MY 2018

Recall Schedule :

Description of Recall Schedule : Maserati plans to notify dealers and customers on or before November 13, 2017. All customers for whom this remedy is required, and our dealers, will receive notification of the remedy campaign. MNA intends to send customer notification letters to each owner of an affected vehicle by first-class mail to inform the customer of the problem, and advise the customer to contact their local Authorized Maserati Dealer to schedule an appointment to repair the affected vehicle.

Planned Dealer Notification Date : OCT 06, 2017 - OCT 06, 2017

Planned Owner Notification Date : NOV 13, 2017 - NOV 13, 2017

* NR - Not Reported