



Defect Information Report

Maserati S.p.A. has determined that a defect that relates to motor vehicle safety exists in model years 2015, 2016 and 2017 Maserati Quattroporte GTS vehicles, equipped with the V8 3.8 liter engine. Maserati North America, Inc. ("MNA") is providing this notification to your office in accordance with **49 C.F.R. Part 573**.

Maserati S.p.A. and MNA have determined that the above described vehicles were manufactured with 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 and temperature fatigue. If the resistor fails, the low pressure pump will stop working due to an open circuit (resistor failure) and without the fuel pump working the engine loses power and eventually stalls.

As noted below, a total of 439 MY2017 vehicles with this defect have been sold, leased to customers, or are located in dealer inventory, and thus this notification relates to those vehicles. **Please note that out of an overabundance of caution, Maserati has issued an immediate STOP SALE order to our dealer network, including a Port hold order to all of the potentially affected unsold vehicles.**

The information, to the extent currently available to MNA follows:

1. **Manufacturer's Name and Address.**

Maserati North America, Inc.
One Chrysler Drive
Auburn Hills, MI 48326

2. **Identification of Vehicles Potentially Containing the Defect.**

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.

3. **Total Number of Vehicles.**

The total population of model years 2015, 2016 and 2017 Maserati Quattroporte GTS vehicles potentially in the affected VIN range is 439.

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4. Approximate percentage of vehicles Estimated to Contain the Defect.

Potentially 100% of all units within the affected VIN range may contain the defect.

5. 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.

6. Chronology of Principal Events leading to this Defect Determination.

Please note the following chronology of events:

- a. On July the 11, 2017, Maserati received notification from its Japan importer that the local government (MLIT), after a specific audit on recall campaign process and warranty behavior, highlighted 11 warranty claims of failed fuel pump resistor on Quattroporte GTS V8 version.
- b. On July 12, 2017, Maserati Regulatory department opened an official product investigation.
- c. On July 27, 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.
- d. 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.
- e. On September 22, 2017, Maserati decided to conduct a safety recall.

7. Test Results and Other Information.

No additional test to report

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8. Description of Proposed Remedy.

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.

CURRENT ADSORBERED BY PUMP	MAX CURRENT/TEMP <MY18 RESISTOR	MAX CURRENT/TEMP <u>NEW</u> RESISTOR
14 A	15 A/600°C	>20 A/1200°C

The remedy will be performed free of charge to the vehicle owner. The internal number we have assigned to this action is recall 359.

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. We will also be posting it on the Maserati USA website under "Services" by VIN. Because all of the vehicles that potentially have the defect are 2015, 2016 and 2017 models, all of the affected vehicles are currently under warranty, and no customers would have incurred any costs to obtain a pre-notification remedy of this defect. Accordingly, MNA requests that it be excused from the requirements of 49 C.F.R. §§ 573.6(c)(8), 573.13, and 577.11 to provide notification to owners that they may be eligible for reimbursement of the costs of obtaining a pre-notification remedy of this defect. 49 C.F.R. § 573.13(d) permits manufacturers to "exclude reimbursement for costs incurred within the period during which the manufacturer's original or extended warranty would have provided for a free repair of the problem addressed by the recall, without any payment by the consumer." In addition, 49 C.F.R. § 577.11(e) contemplates that, upon written request by the manufacturer, NHTSA may determine that the manufacturer is not required to provide notification concerning reimbursement for pre-notification remedies because all covered vehicles are under warranty.

Thus, MNA's request to be excused from the obligation of specifying a reimbursement program in this report, and of providing notification to owners concerning it, is consistent with the regulations governing reimbursement for pre-notification remedies.

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9. Representative Copies of Notifications that Relate to the Defect and Have Been Sent to More than One Manufacturer, Distributor, Dealer, or Purchaser.

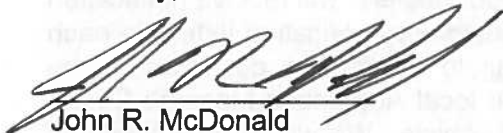
A stop sale notice has been sent to dealers with affected vehicles in stock and a hold has been issued for vehicles at the ports. There are no additional notices, bulletins or other communications that relate directly to the defect and have been sent by MNA to more than one manufacturer, distributor, dealer, or purchaser.

10. Part Number.

The part number of the fuel pump resistor cable assembly to be replaced is 670030940.

Should you have questions concerning this submission, please contact me at your earliest convenience at 248-576-0852.

Sincerely,



John R. McDonald
Manager, Certification & Compliance Department
Maserati North America, Inc.
One Chrysler Drive
Auburn Hills, MI 48326