

Part 573 Safety Recall Report**15V-686****Manufacturer Name :** Maserati North America, Inc.**Submission Date :** OCT 16,2015**NHTSA Recall No. :** 15V-686**Manufacturer Recall No. :** 279**Manufacturer Information :**

Manufacturer Name : Maserati North America, Inc.

Address : 250 Sylvan Avenue
Englewood Cliffs NJ 07632

Company phone : 201-816-2600

Population :

Number of potentially involved : 984

Estimated percentage with defect : 100

Vehicle Information :

Vehicle : 2014-2014 MASERATI QUATTROPORTE GTS V8

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Maserati S.p.A. has determined that a defect that relates to motor vehicle safety exists in certain model year 2014 Maserati Quattroporte GTS V8 vehicles. 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 vehicle's, were potentially manufactured with an inconsistent cable layout/installation of the alternator-starter motor protective electrical insulation sealing cap (at the starter motor), and an insufficient number of starter motor cable portion clamps/straps. Note that this is a one piece cable design that branches off to the alternator as well.

The alternator-starter motor electrical wiring harness cable is subjected to vehicle/engine vibrations. Through normal use, over time, and without the protective electrical insulation sealing cap in its proper position at the starter motor, and without additional cable securing clamps/straps, the alternator-starter motor cable attaching end may become progressively loose, with the potential to contact the surrounding surfaces of the engine block assembly. An incorrectly protected starter motor cable end, in conjunction with a loose cable, can lead to the alternator-starter motor cable damage and several electrical problems such as, intermittent electrical anomalies, no vehicle start and vehicle battery drain conditions. This can also include, in the most severe of cases, an engine compartment fire, potential for engine stalling and increase the risk of a crash.

Production Dates : OCT 01, 2013 - DEC 31, 2013

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : The defect has been identified as an inconsistent position of the protective electrical insulation sealing cap on the electrical connection end of the alternator-starter motor cable (at the starter motor end) and an insufficient number of starter motor cable portion securing clamps/straps. This wiring harness is directly connected to the battery positive terminal and provides electrical supply to the starter motor assembly. An incorrectly protected alternator-starter motor cable end (at the starter motor) in conjunction with a loose cable, can lead to alternator-starter motor cable damage and several electrical problems such as, intermittent electrical anomalies, no vehicle start and vehicle battery drain conditions. This can also include, in the most severe of cases, electrical contact sparks which can lead to an engine compartment fire, potential for engine stalling and increase the risk of a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An incorrectly protected alternator-starter motor cable end (at the starter motor) in conjunction with a loose cable, can lead to alternator-starter motor cable damage and several electrical problems such as, intermittent electrical anomalies, no vehicle start and vehicle battery drain conditions. This can also include, in the most severe of cases, electrical contact sparks which can lead to an engine compartment fire, potential for engine stalling and increase the risk of a crash.

Description of the Cause : Inconsistent position of the protective electrical insulation sealing cap on the electrical connection end of the alternator-starter motor cable (at the starter motor end) and an insufficient number of starter motor cable portion securing clamps/straps.

Identification of Any Warning that can Occur : Several electrical problems such as, intermittent electrical anomalies, no vehicle start and vehicle battery drain conditions. This can also include, in the most severe of cases, electrical contact sparks which can lead to an engine compartment fire, potential for engine stalling.

Supplier Identification :**Component Manufacturer**

Name : Ferrari S.p.A.

Address : via Emilia EST

Modena FOREIGN STATES 1163

Country : Italy

Chronology :

Maserati S.p.A. and Maserati North America, Inc. received notification from one (1) field report and ultimately confirmed by the supplier's material/component analysis, subsequent identification and verification of the failure. Through an abundance of caution, Maserati is launching this recall campaign. Please note the following chronology of events:

- a. On March 11th 2015, Maserati opened an investigation as a result of one (1) field claim (report) on a customer's vehicle regarding a short to ground event located near the starter motor cable connection to the starter motor assembly.
- b. The starter motor cable was shipped to the factory in Italy on May 11th 2015.
- c. The analysis performed by the supplier on June 5th through the 21st 2015 on the alternator-starter motor cable, and batch cables confirmed a continuous short to ground event had occurred at the starter motor cable end.
- d. An FMEA (failure mode engineering analysis) was performed in late-July and through August 2015 by Maserati and the supplier and identified that this failure mode was attributed to an incorrectly positioned starter motor cable end sealing cap, with the likelihood of the starter motor cable portion incorrectly positioned, and without an adequate amount of cable securing clamp/straps.
- e. In September 2015 an extensive analysis (assembly-line) was performed regarding this component since this was the same component part which was supplied for Recall 233 (NHTSA No. 13V-589, Alternator-starter motor cable) which provided an improved cable layout.
- f. On October 9, 2015 it was determined that a recall would be necessary to visually check all vehicles that were produced from engine assembly number 215345 (October 2013 production) to ensure starter motor cable layout is correct, has the appropriate number of securing clamps, and the protective sealing cap is properly located on the starter motor cable end.

Description of Remedy :

Description of Remedy Program : The remedy for the affected vehicles involves the visual check on all potential affected vehicles for the correct starter motor cable layout, the correct number of starter motor cable securing clamp/straps and the correct positioning of the starter motor cable protective sealing cap. If the layout is incorrect (based on the lack of the cable clamps/straps and the protective sleeve incorrectly positioned) the starter motor cable assembly will require replacement. The remedy procedure may require up to 3 hours to complete, and will be performed free of charge to the vehicle owner.

How Remedy Component Differs from Recalled Component : New Part Number for the harness additional cable clamp, straps and ties.

Identify How/When Recall Condition was Corrected in Production : This new harness was the new part component for our previous recall campaign 233, and placed into production in October 2013.

Recall Schedule :

Description of Recall Schedule : The recall schedule is to launch by the second week in November 2015.

Planned Dealer Notification Date : NOV 11, 2015 - NOV 11, 2015

Planned Owner Notification Date : NOV 11, 2015 - NOV 11, 2015

* NR - Not Reported