

# Part 573 Safety Recall Report

# 17V-046

**Manufacturer Name :** Maserati North America, Inc.**Submission Date :** JAN 20, 2017**NHTSA Recall No. :** 17V-046**Manufacturer Recall No. :** 342**Manufacturer Information :**

Manufacturer Name : Maserati North America, Inc.

Address : 270 Sylvan Avenue

Englewood Cliffs NJ 07632

Company phone : 201-816-2638

**Population :**

Number of potentially involved : 39,381

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2014-2017 MASERATI Quattroporte, Ghibli and Levante

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Maserati S.p.A. has determined that the above described vehicles may have been manufactured with an incorrect seat wiring harness layout, which can cause the seat wiring harness to rub against metal points on the seat/seat frame assembly. Through normal seat adjustment operation, and over time, this can lead to an inoperative seat adjustment system, and in rare cases, a potential risk of fire due to an electrical short to ground between the seat wiring harness and the seat adjustment motor assembly.

Production Dates : JUN 01, 2013 - DEC 31, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** The defect has been identified as an incorrect design of the seat wiring harness layout with potential interference with the seat adjustment motor housing (seat wiring harness rubbing against metal points on seat/seat frame assembly). This condition with normal use of the seat adjustment system, over time, can lead to cable damage, and consequential seat adjustment malfunction, and in rare cases, a potential short to ground and a risk of fire.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** This condition with normal use of the seat adjustment system, over time, can lead to cable damage, and consequential seat adjustment malfunction, and in rare cases, a potential short to ground and a risk of fire.

**Description of the Cause :** Incorrect design of the seat wiring harness layout with potential interference with the seat adjustment motor housing (seat wiring harness rubbing against metal points on seat/seat frame assembly).

Identification of Any Warning that can Occur : Seat Inoperative.

## Supplier Identification :

### Component Manufacturer

Name : Lear Corporation Italian Business Group  
Address : Corso Allamano Canonico Giuseppe, 32  
Grugliasco-Torino FOREIGN STATES  
Country : Italy

## Chronology :

Please note the following chronology of events:

- a. On December 21, 2015, Maserati opened an investigation (involving the supplier, Lear) as a result of one (1) field report from the Korean market regarding a case of left-hand seat harness damage, due to contact with the seat motor assembly. The stated claim symptom was the inability to adjust the seat in the vertical position.
- b. On January 11, 2016, Lear, the supplier, confirmed its first hypothesis of root cause, in which the problem is caused by a possible contact between the seat wiring harness and seat tilt motor assembly.
- c. On January 13, 2016, Maserati communicated to Lear the increasing number of claimed cases involving damage to nine (9) front seat harnesses.
- d. On January 18, 2016, Lear, based on the above data, introduced at its own cost, a possible step 1 solution (adhesive felt onto the seat motor housing).
- e. On February 01, 2016, Maserati communicated to Lear one additional failure. This failure involved a fire occurrence.
- f. As a result, Lear and Maserati performed an immediate joint analysis and prepared a shared report confirming the root cause emanating from the seat wiring harness damage (same root cause as the warranty cases).
- g. On April 4, 2016, Lear, based on the above data, introduced at its cost a possible step 2 solution (introducing a clamping strip to avoid direct contact between the seat motor and seat wiring harness).
- h. Based on reliability and durability growth testing, Maserati introduced the clamping strip provided by Lear onto vehicles to test and validate the possible solution. In the meantime, on September 27, 2016, Maserati received an additional warranty case of a seat malfunction on a Levante vehicle that had already been equipped with the latest wiring harness layout positioning.
- i. On October 19, 2016, following the seat malfunction on the Levante vehicle equipped with the step 2 solution, Maserati ordered a second level analysis to be performed at Lear. In that Levante

## Description of Remedy :

Description of Remedy Program : The proposed remedy is a check and if necessary, install a new seat wiring

**Description of Remedy Program :** harness layout (routing and securing and protecting the seat wiring harness sufficiently) on the affected vehicles. The remedy will be performed free of charge to the vehicle owner.

**How Remedy Component Differs from Recalled Component :** If necessary, a new harness with new layout and new part number.

**Identify How/When Recall Condition was Corrected in Production :** On October 19, 2016, Lear defined a new technical solution using additional felt material and seat wiring harness housing modification. This new technical solution was developed in order to avoid the potential for process errors that could lead to a defective seat wiring harness layout. Between October and end of December 2016, Maserati conducted further analysis and tests in order to define, evaluate and validate the solution based on the latest layout proposed by Lear.

## Recall Schedule :

**Description of Recall Schedule :** Maserati anticipates having the parts available for implementation approximately 90 days of the customer notice, and customer notification letters will be sent to all affected customers within 60 days. 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 :** JAN 20, 2017 - JAN 20, 2017

**Planned Owner Notification Date :** MAR 21, 2017 - MAR 21, 2017

\* NR - Not Reported