

Part 573 Safety Recall Report**15V-599****Manufacturer Name :** General Motors LLC**Submission Date :** SEP 25,2015**NHTSA Recall No. :** 15V-599**Manufacturer Recall No. :** 15700**Manufacturer Information :**

Manufacturer Name : General Motors LLC

Address : 30001 VAN DYKE

MAIL CODE 480-210-2V WARREN MI 48090

Company phone : 999

Population :

Number of potentially involved : 9,932

Estimated percentage with defect : 100

Vehicle Information :

Vehicle : 2006-2007 Buick Rainier

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2006-2007 Buick Rainier vehicles

Production Dates : AUG 10, 2005 - MAY 14, 2007

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2006-2007 Chevrolet Trailblazer

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2006-2007 Chevrolet Trailblazer vehicles

Production Dates : JUN 03, 2005 - MAY 14, 2007

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2006-2006 Chevrolet Trailblazer EXT

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2006 Chevrolet Trailblazer EXT vehicles

Production Dates : JUN 29, 2005 - FEB 20, 2006

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2006-2007 GMC Envoy

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2006-2007 GMC Envoy vehicles

Production Dates : JUN 22, 2005 - MAY 14, 2007

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2006-2006 GMC Envoy XL

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2006 GMC Envoy XL vehicles

Production Dates : JUN 02, 2005 - JUN 11, 2006

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : General Motors has determined that certain 2006 model year Chevrolet Trailblazer EXT and GMC Envoy XL vehicles and 2006-2007 model year Buick Rainier, Chevrolet Trailblazer, and GMC Envoy vehicles were mistakenly excluded from Safety Recall 14V-404 (GM Safety Recall No. 140309). These vehicles may continue to have a condition in which the printed circuit board inside the driver's door module may be susceptible to corrosion from certain external corrosive fluids (e.g., melted snow containing road salt), which could cause a short in the module's circuit board.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A short in the circuit board of the driver door module may cause the power door locks and power window switches to function intermittently or stop working. A short may also cause the windows to raise or lower themselves without user input. In addition, a short may cause overheating, which could melt components of the door module, producing odor, smoke, or a fire. These conditions may occur even with the vehicle parked and the key removed. Customers should park the vehicle outdoors until this condition has been remedied.

Description of the Cause : The printed circuit board in the driver door module may corrode and short if

exposed to certain fluids.

Dealers had previously reported to GM that these vehicles were repaired and their door modules were replaced, therefore these vehicles were excluded from the prior recall population. However, GM has since determined that some dealers incorrectly used the labor code associated with module replacement when, instead of replacing the module, they only added a protective coating to the module.

Identification of Any Warning that can Occur : Windows may raise or lower themselves without user input.

The power door locks and power window switches may function intermittently or stop working. These conditions may occur even with the vehicle parked and the key removed.

Supplier Identification :

Component Manufacturer

Name : Solectron InvoTronics Inc

Address : 365 Passmore Ave

Scarborough, ON FOREIGN STATES M1V 4B3

Country : Canada

Chronology :

Between May 2014 and July 2015, GM received five customer claims of smoke or fire from driver door switches in 2006-2007 Chevrolet Trailblazers. On August 30, 2015, GM opened a formal investigation.

Each of the five vehicles with reported driver door switch issues had been previously recalled for the same issue and reportedly repaired under Safety Recalls 12V-406 or 13V-248. Those recalls provided two different remedies depending on whether the driver's door module was functioning properly. For properly functioning door modules, a protective coating was added to the module's printed circuit board; for modules not functioning properly, the entire driver door module was replaced. According to the dealer-reported labor codes for the original recall repairs, the five subject vehicles each received complete replacement driver door modules under recalls 12V-406 or 13V-248.

GM later discovered that the protective coating remedy did not sufficiently prevent shorting due to corrosion, and it subsequently recalled vehicles that received the protective coating remedy so that they could have their complete door module replaced. (See Safety Recall 14V-404). The five subject vehicles were excluded from this subsequent recall because, according to the recall-repair labor codes, they already received the replacement module.

Between August and September 2015, during GM's safety investigation into these five vehicles, GM examined the circumstances of the original recall repairs reportedly completed by dealers. GM discovered that these vehicles never received the replacement modules that dealers mistakenly reported; instead, they received only the protective coating.

On September 15, 2015, GM's Safety Field Action Decision Authority decided to conduct a safety recall to include vehicles mistakenly excluded from Safety Recall 14V-404 due to incorrect labor codes being used to document the previous repairs.

Description of Remedy :

Description of Remedy Program : Dealers will install a new driver's door switch module. Pursuant to 49 C.F.R. § 577.11, GM will reimburse owners for repairs according to the plan submitted on May 20, 2015.

How Remedy Component Differs from Recalled Component : Replacement driver door switch modules have a printed circuit board (PCB) revised from the original design so that the power trace is away from the edge of the PCB so any moisture that may wick into the PCB could not result in a short between power and ground.

Identify How/When Recall Condition was Corrected in Production : Vehicles built after May 14, 2007, have driver door switch modules with printed circuit boards revised as described above.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on September 23, 2015. General Motors will provide the owner letter mail dates when available.

Planned Dealer Notification Date : SEP 23, 2015 - SEP 23, 2015

Planned Owner Notification Date : NR - NR

* NR - Not Reported