

**Part 573 Safety Recall Report****15V-421****Manufacturer Name :** General Motors LLC**Submission Date :** JUN 25,2015**NHTSA Recall No. :** 15V-421**Manufacturer Recall No. :** 15042**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 : 164,993

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2006-2010 Hummer H3

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : 2006 - 2010 Hummer H3 vehicles

Production Dates : FEB 05, 2005 - MAY 24, 2010

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2009-2010 Hummer H3T

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : 2009-2010 Hummer H3T vehicles

Production Dates : MAY 21, 2008 - MAY 24, 2010

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety exists in 2006-2010 model year Hummer H3 and 2009-2010 Hummer H3T vehicles. The connector module that controls the blower motor speed in the heat/vent/air conditioning (HVAC) system may overheat under extended operational periods at high and medium-high blower speeds.

FMVSS 1 :NR

FMVSS 2 :NR

Description of the Safety Risk : If this condition occurs, there is the risk that the heat generated could melt the plastic surrounding the connector module, which increases the risk of a fire.

Description of the Cause : A mismatch in the conductive properties of the male and female connector pins in the HVAC blower motor's circuit causes unwanted resistance and heat at higher blower-motor speeds. Specifically, the male pin's conductivity is lower than required, resulting in higher resistance and increased heat. When the HVAC blower is operated at high to medium-high blower speeds, the electrical resistance of the male pin can generate enough heat to loosen the spring force in the female pin. This relaxation of the spring force can cause a loss of contact between the male and female pins, resulting in higher electrical resistance and overheating of the connector module.

Identification of Any Warning that can Occur : The blower motor may stop working (completely or at certain speeds) if the connector experiences melting.

**Supplier Identification :**

**Component Manufacturer**

Name : Air International Inc.

Address : 1265 Harmon Road

Auburn Hills MICHIGAN 48326

Country : United States

**Chronology :**

In September 2014, GM received two customer complaints through GM's Speak Up For Safety program of a potential safety defect related to melting blower motor connectors in Hummer H3 vehicles.

On December 8, 2014, GM opened a safety field investigation into the Hummer H3 blower motor issue. During the investigation, GM analyzed VOQs, TREAD data, warranty data, and other field data, and concluded that the blower motor connector issue was isolated to the subject Hummer H3 and H3T vehicles. GM's investigation also confirmed that the mismatched electrical conductivity could result in overheating and melting of the blower motor connector module.

On April 29, 2015, GM's Safety Field Action Decision Authority (SFADA) decided to close this investigation without field action. When GM subsequently reviewed this decision with NHTSA, NHTSA asked additional questions and directed GM to additional VOQs that appeared to be related to this issue.

After further discussion with NHTSA, on June 18, 2015, GM's SFADA decided to conduct a safety recall.

**Description of Remedy :**

Description of Remedy Program : Dealers will replace the female connector and harness. Pursuant to 577.11, GM will provide reimbursement to owners for repairs completed on or before ten days after the owner mailing is completed, according to the plan submitted on May 20, 2015.

How Remedy Component Differs from Recalled Component : The replacement connector has a larger diameter wire. Also, the female pins use a different

material to improve resistance to material relaxation.

Identify How/When Recall Condition was Corrected in Production : NR

**Recall Schedule :**

Description of Recall Schedule : General Motors will provide the dealer bulletin notification dates when available.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported