

**Part 573 Safety Recall Report****15V-085****Manufacturer Name :** General Motors LLC**Submission Date :** APR 02,2015**NHTSA Recall No. :** 15V-085**Manufacturer Recall No. :** 15100**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 : 3,660

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2014-2014 Chevrolet Impala

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2014 Chevrolet Impalas

Production Dates : NOV 15, 2012 - MAY 30, 2014

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : This condition relates to General Motors' prior recall number 14V-541. In receiving service for the condition covered by recall number 14V-541, some 2014 model year Chevrolet Impala vehicles did not receive the new electronic parking brake control module software that is necessary to remedy the recall condition.

General Motors has decided that these vehicles may fail to conform to S5.5 of Federal Motor Vehicle Safety Standard (FMVSS) 135 (Brake system warning indicator). As GM stated in its part 573 report filed in connection with recall number 14V-541, the existing electronic parking brake software in these vehicles may cause the brake pads to stay partially engaged with the rotor. In this condition, the parking brake indicator may not illuminate even though the parking brake is engaged, which would render a vehicle noncompliant with FMVSS 135.

Description of the Safety Risk : In addition to the parking brake indicator malfunction described above, the driver may experience poor vehicle acceleration, undesired deceleration, excessive brake heat, and premature wear to some brake components. If the brake drag is significant or if the vehicle is operated for an extended period of

time in this condition, there is a potential for the rear brakes to generate significant heat, smoke, and sparks.

Description of the Cause : When the driver disengages the electronic parking brake, the piston actuation arm does not travel back far enough due to a defect in the electronic parking brake software.

Identification of Any Warning that can Occur : The driver may experience poor vehicle acceleration or undesired deceleration.

**Supplier Identification :****Component Manufacturer**

Name : Mando Pyeongtaek

Address : 343-1 Manho-ri, Poseung-eup

Pyeongtaek-si, 451 821 FOREIGN STATES

Country : NR

**Chronology :**

GM issued recall 14V-541 on September 4, 2014. GM's dealer bulletin associated with this recall instructed dealers to reprogram the vehicle's electronic-parking brake control module with corrected software.

On January 27, 2015, a GM dealership in the Middle East informed GM's Middle East Technical Assistance Center ("TAC") that GM's web-based software portal was offering the original, incorrect parking-brake software to dealers for use in repairing vehicles covered by recall 14V-541. GM opened an investigation on January 30, 2015.

GM's investigation determined that, on January 21, 2015, the software files on the portal were erroneously changed from the revised software to the original software version, and that vehicles serviced after January 21 may have received the original software. Rather than send a second recall notice to the affected vehicle owners under recall 14V-541, GM's Safety Field Action Decision Authority decided on February 2, 2015, to conduct a second non-compliance recall.

On March 9, 2015, GM's Techline Customer Support Center informed GM service programming systems personnel that installing the software associated with recall 15V-085 was causing the same calibration warnings that prompted recall 15V-085. GM opened an investigation on March 16, 2015. GM's investigation determined that, on February 8, 2015, the software files on GM's web-based software portal were erroneously changed from the revised software to the original software version, and that vehicles serviced between February 8, 2015, and March 10, 2015 would have received the original incorrect software.

On March 27, 2015, GM's Safety Field Action Decision Authority decided: (i) to conduct a third noncompliance recall for vehicles that were incorrectly serviced under both recall 14V-541 and recall 15V-085; and (ii) to amend the population for recall 15V-085 to include the vehicles that were serviced for recall 14V-541 between February 8, 2015, and March 10, 2015.

**Description of Remedy :**

Description of Remedy Program : Dealers are to reprogram the electronic parking brake control module with

the correct software. Pursuant to 577.11, General Motors does not plan to provide notice about reimbursement to owners because all involved vehicles are covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : The correct version of the electronic parking brake control module software provides the appropriate piston actuation arm travel when the park brake is disengaged.

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

**Recall Schedule :**

Description of Recall Schedule : General Motors will provide the owner letter mail dates when available.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported