

Part 573 Safety Recall Report**15V-278****Manufacturer Name :** General Motors LLC**Submission Date :** MAY 11,2015**NHTSA Recall No. :** 15V-278**Manufacturer Recall No. :** 14888**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 : 14,838

Estimated percentage with defect : 1

Vehicle Information :

Vehicle : 2015-2015 Chevrolet Colorado

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2015 Chevrolet Colorado vehicles with less than 3000 miles

Production Dates : JAN 06, 2014 - DEC 24, 2014

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2015-2015 GMC Canyon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2015 GMC Canyon vehicles with less than 3000 miles

Production Dates : JAN 06, 2014 - DEC 24, 2014

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 certain 2015 model year Chevrolet Colorado and GMC Canyon vehicles.

The front-brake calipers on some of these vehicles can leak brake fluid.

Description of the Safety Risk : This condition could cause longer brake-pedal travel and increased stopping distances, increasing the risk of a crash.

Description of the Cause : The front-brake calipers on some of these vehicles may contain tiny air pockets, an

imperfection in the metal caliper body that can occur when the caliper is cast. If the caliper body contains a string of continuous air pockets that penetrate the entire caliper body, these air pockets can create small leak paths for brake fluid to exit the caliper.

Identification of Any Warning that can Occur : Owners may find evidence of brake fluid on the ground by a front tire. If enough fluid is lost, the vehicle will display a brake system warning light on the instrument panel. If present on a vehicle, these warning signs will begin to appear before the vehicle has been driven 1,500 miles.

Supplier Identification :**Component Manufacturer**

Name : Akebono Engineering Center

Address : 34385 Twelve Mile Road

Farmington Hills MICHIGAN 48331

Country : United States

Chronology :

On October 9, 2014, GM's Wentzville assembly plant discovered evidence of brake fluid under a completed vehicle. On October 17, 2014, the plant discovered a second vehicle with the condition, this time during an air-pressure brake test that Wentzville performs on all vehicles during post-assembly quality-control testing. On the same day, the plant reported the problem to the front-brake calipers' supplier, Akebono. On November 3, 2014, a GM engineer reported the problem as a potential safety issue through GM's Speak Up For Safety program.

The Wentzville plant shipped the front-brake calipers from both vehicles to Akebono for additional testing and analysis. On November 5, 2014, GM received Akebono's analysis, which indicated that porosity in the two Wentzville calipers caused the fluid leak and the test failure. Akebono also informed GM that, before being shipped to GM, the two Wentzville calipers had failed Akebono's internal quality control testing, and that Akebono accidentally shipped the defective calipers to GM.

GM opened an investigation into the issue on December 3, 2014. After analyzing warranty, VOQ, legal claims, and TREAD data, GM's investigator identified eight field reports of front-brake calipers in Colorado and Canyon vehicles leaking brake fluid. GM was able to recover and ship five calipers from these vehicles to Akebono for additional testing and analysis. Akebono confirmed that porosity caused brake-fluid leaks in all five calipers. On May 4, 2015, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will inspect and, if necessary, replace the front-brake calipers.

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 : Replacement calipers will have production dates

after 12/15/2014. A new part casting design/ process was implemented at the supplier on 12/15/14, which improved material flow during the casting process.

Identify How/When Recall Condition was Corrected in Production : Vehicles produced after 12/24/2014 have front calipers cast from the improved process.

Recall Schedule :

Description of Recall Schedule : NR

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

Planned Owner Notification Date : JUL 10, 2015 - JUL 10, 2015

* NR - Not Reported