

Part 573 Safety Recall Report

16V-595

Manufacturer Name : General Motors LLC**Submission Date :** AUG 10, 2016**NHTSA Recall No. :** 16V-595**Manufacturer Recall No. :** 54180**Manufacturer Information :****Population :**

Manufacturer Name : General Motors LLC

Number of potentially involved : 189

Address : 30001 VAN DYKE
MAIL CODE 480-210-2V WARREN MI
48090

Estimated percentage with defect : 100 %

Company phone : 5961733

Vehicle Information :

Vehicle 1 : 2016-2016 Buick Verano

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2016 Buick Verano vehicles with LHU turbocharged engine

Production Dates : FEB 16, 2016 - MAY 12, 2016

VIN Range 1 : Begin : NR End : NR

 Not sequential**Description of Defect :**

Description of the Defect : General Motors has decided that a defect, which relates to motor vehicle safety, exists in certain 2016 model year Buick Verano vehicles equipped with the 2.0 liter turbocharged (LHU) engine. The engine fuel line assembly in these vehicles may have been manufactured incorrectly, causing the fuel line to be misrouted over the engine surface during vehicle assembly. Misrouted fuel lines may contact the hot surface of the turbocharged engine, which may degrade and wear the fuel line's outer surface.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If fuel lines contact the hot engine surfaces, the fuel line material may degrade and fail, causing fuel to leak and increasing the risk of an engine fire.

Description of the Cause : Line operators at the supplier were not properly trained and misbuilt the fuel line assemblies, which resulted in the fuel lines being routed incorrectly at the assembly plant.

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Cooper-Standard Automotive
Address : 4700 Industrial Row
Au Sable Charter Twp MICHIGAN 48750
Country : United States

Chronology :

On June 20, 2016, a GM employee experienced an engine fire while driving a 2016 Buick Verano. The next day, the employee reported the issue as a potential safety issue through GM's Speak Up For Safety program. On July 13, 2016, GM opened a formal product investigation. The source of the fire in the vehicle was determined to be a fuel-line leak caused by misrouting of the fuel line over the hot turbocharged engine surface. To confirm the issue was fuel-line misrouting, GM analyzed seventy-five MY 2016 Veranos within its control and found fifty-four with misrouted fuel lines. All the inspected vehicles with misrouted fuel lines were built after February 16, 2016. GM then analyzed the fuel line assemblies at the Orion plant to determine whether there were issues with the assemblies as they came from the supplier. This analysis revealed some fuel lines were not shaped correctly, which would cause them to be misrouted during vehicle installation. On July 18, 2016, the supplier was able to trace the issue to poor operator training coinciding with a specific shift change at their manufacturing operation. A read-across verified this condition is limited to Verano vehicles with the 2.0 liter turbocharged (LHU) engine.

The only reported field incident based on an analysis of warranty and other field data was the one fire the GM employee experienced on June 20, 2016. The investigation was reviewed in GM's Open Investigation Review on August 1, 2016, and on August 3, 2016, GM's Safety and Field Action Decision Authority decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will replace the fuel line assembly. Pursuant to 49 C.F.R. § 573.13 (d)(1), all covered vehicles are under warranty so reimbursement is not offered.

How Remedy Component Differs from Recalled Component : Replacement fuel line assemblies are built properly, ensuring correct routing in the engine compartment.
Recalled Component Name: PIPE ASM-BRK & FUEL FEED & EVAP EMIS
Recalled Component Description: Fuel Line Assembly
Recalled Component Part Number: 39026233
Recalled Component Country of Origin: U.S.

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

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on August 10, 2016. General Motors will provide owner letter notification dates when available.

Planned Dealer Notification Date : AUG 10, 2016 - AUG 10, 2016

Planned Owner Notification Date : NR - NR

* NR - Not Reported