

Part 573 Safety Recall Report

18V-358

Manufacturer Name : General Motors LLC**Submission Date :** SEP 04, 2018**NHTSA Recall No. :** 18V-358**Manufacturer Recall No. :** 18188 and 18268**Manufacturer Information :**

Manufacturer Name : General Motors LLC

Address : 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V WARREN MI
48093

Company phone : 5961733

Population :

Number of potentially involved : 895

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2018 Chevrolet Equinox

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : MAY 25, 2017 - APR 20, 2018

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 2 : 2018-2018 GMC Terrain

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : OCT 23, 2017 - APR 18, 2018

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 3 : 2016-2018 Chevrolet Malibu

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have

been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : JAN 27, 2016 - APR 27, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2018-2018 Buick LaCrosse

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : AUG 31, 2017 - APR 20, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2018-2018 Cadillac ATS

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : MAR 20, 2018 - MAR 20, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2017-2018 GMC Acadia

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : AUG 20, 2016 - APR 23, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2016-2018 Chevrolet Colorado

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have

been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : MAR 05, 2015 - APR 29, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2015-2018 GMC Canyon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used manufacturing records to identify the vehicles that could have been produced with the defect. GM used service records to identify vehicles that may have been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018.

Production Dates : APR 29, 2016 - APR 24, 2018

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2016-2017 Buick Envision

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM used service records to identify vehicles that may have been serviced with a suspect fuel pump. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018

Production Dates : MAR 24, 2016 - MAY 08, 2017

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 2015 – 2018 model year Chevrolet Colorado vehicles; 2016 – 2017 model year Buick Envision vehicles; 2016 – 2018 model year Chevrolet Malibu and GMC Canyon vehicles; 2017 – 2018 model year GMC Acadia vehicles; and 2018 model year Buick LaCrosse, Cadillac ATS, Chevrolet Equinox, and GMC Terrain vehicles. These vehicles were either assembled with high pressure fuel pumps manufactured between March 5 and March 8, 2018 or received replacement high pressure fuel pumps manufactured between March 5 and March 8, 2018 during vehicle service. In these vehicles, the joint that connects the high-pressure fuel pump's outer housing to the pump's flange may not have been properly welded by the supplier during the manufacturing process. Over time, the weld could crack, potentially separating the high-pressure fuel pump from the flange and allowing the pump to oscillate inside the engine compartment. If this occurs, the pump's movement could potentially damage the high-pressure fuel line, causing a fuel leak.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the subject weld cracks and subsequent oscillations cause damage to the high-pressure fuel line, a fuel leak could occur, which increases the risk of a fire.

Description of the Cause : The supplier failed to properly weld the high-pressure fuel pump housing to the flange interface.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Bosch

Address : 3800 Hills Tech Drive
Farmington Hills MICHIGAN 48331

Country : United States

Chronology :

On April 25, 2018, Robert Bosch LLC contacted GM regarding potentially abnormal welds in certain high-pressure fuel pumps that Bosch supplied to GM. GM opened a formal product investigation on May 5, 2018.

GM's investigation identified no reported field cases involving a high-pressure fuel line leak caused by the defective fuel pumps in GM vehicles. Based on the engineering analysis that Bosch supplied to GM, GM determined that an improper weld could weaken and fracture after an unknown number of miles, potentially causing a high-pressure fuel leak. On May 24, 2018, GM's Safety Field Action Decision Authority decided to conduct a safety recall.

On August 17, 2018, GM expanded the recall to include 47 vehicles that may have been serviced with suspect parts. These include 2015 – 2018 model year Chevrolet Colorado vehicles; 2016 – 2017 model year Buick Envision and GMC Canyon vehicles; 2016 – 2018 model year Chevrolet Malibu vehicles; 2017 – 2018 model year GMC Acadia vehicles; and 2018 model year Buick Lacrosse, Chevrolet Equinox, and GMC Terrain vehicles.

Description of Remedy :

Description of Remedy Program : Dealers will replace the high-pressure fuel pump and high-pressure fuel pipe. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted on May 19, 2017.

How Remedy Component Differs : The high-pressure fuel pump assembly is properly welded to the flange interface.

from Recalled Component : Recalled Component Name: HP fuel pump
Recalled Component Description: High pressure fuel pump
Recalled Component Part Number: 12672144
Recalled Component Country of Origin: United States

Identify How/When Recall Condition was Corrected in Production : Vehicles produced after 04/27/2018 were produced with high-pressure fuel pumps that Bosch manufactured after correcting the welding fixture in question.

Recall Schedule :

Description of Recall Schedule : General Motors will provide dealer bulletin and owner letter notification dates when available.
Planned Dealer Notification Date : MAY 31, 2018 - MAY 31, 2018
Planned Owner Notification Date : JUL 02, 2018 - SEP 14, 2018

* NR - Not Reported