Part 573 Safety Recall Report 18V-358

Manufacturer Name : General Motors LLC
Submission Date : MAY 31, 2018
NHTSA Recall No. : 18V-358
Manufacturer Recall No. : 18188

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 : 848
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2018 Chevrolet Equinox
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.
Production Dates : MAR 26, 2018 - APR 20, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2018-2018 Chevrolet Malibu
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.
Production Dates : APR 19, 2018 - APR 27, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 3 : 2018-2018 Cadillac ATS
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-

pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.

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

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

Vehicle 4 : 2018-2018 GMC Terrain

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.

Production Dates : APR 13, 2018 - APR 18, 2018

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

Vehicle 5 : 2018-2018 Buick LaCrosse

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.

Production Dates : MAR 27, 2018 - APR 20, 2018

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

Vehicle 6 : 2018-2018 GMC Acadia

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.

Production Dates : APR 05, 2018 - APR 23, 2018

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

Vehicle 7 : 2018-2018 Chevrolet Colorado

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-

pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.

Production Dates : MAR 22, 2018 - APR 27, 2018

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

Vehicle 8 : 2018-2018 GMC Canyon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM determined the population by using manufacturing records to identify the vehicles that could have been produced with the defect. All potentially defective high-pressure fuel pumps were built between March 5 and March 8, 2018, and these pumps were traced to 848 vehicles.

Production Dates : MAR 23, 2018 - APR 24, 2018

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 2018 model year Chevrolet Equinox, Malibu, and Colorado vehicles; 2018 model year GMC Terrain, Acadia, and Canyon vehicles; 2018 model year Buick LaCrosse vehicles; and 2018 model year Cadillac ATS vehicles. 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.

Description of Remedy :

Description of Remedy Program :	Dealers will replace the high-pressure fuel pump and high-pressure fuel pipe. 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 :	The high-pressure fuel pump assembly is properly welded to the flange interface. Recalled Component Name: HP fuel pump Recalled Component Description: High pressure fuel pump Recalled Component Part Number: 12658481 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 :	NR - NR

* NR - Not Reported