

Part 573 Safety Recall Report

19V-761

Manufacturer Name : General Motors LLC**Submission Date :** OCT 24, 2019**NHTSA Recall No. :** 19V-761**Manufacturer Recall No. :** N192261050**Manufacturer Information :**

Manufacturer Name : General Motors LLC

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

Company phone : 586-596-1733

Population :

Number of potentially involved : 638,068

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2014-2018 Chevrolet Silverado 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : TThe recalled population includes 4-wheel drive equipped vehicles with the 5.3 L engine (RPO L83) and a 3.08 ratio rear axle (RPO GU4). Heavy-duty models, medium-duty models, 2-wheel drive models and models with other engine/axle configurations are not affected by this recall.

219,871 Chevrolet Silverado 1500 vehicles are affected by this recall.

Production Dates : JAN 30, 2013 - DEC 05, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2014-2018 GMC Sierra 1500

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recalled population includes 4-wheel drive equipped vehicles with the 5.3 L engine (RPO L83) and a 3.08 ratio rear axle (RPO GU4). Heavy-duty models, medium-duty models, 2-wheel drive models and models with other engine/axle configurations are not affected by this recall.

25,121 GMC Sierra 1500 vehicles are affected by this recall.

Production Dates : JAN 29, 2013 - DEC 05, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2015-2020 Chevrolet Suburban

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recalled population includes 4-wheel drive equipped vehicles with the 5.3 L engine (RPO L83) and a 3.08 ratio rear axle (RPO GU4). 2-wheel drive models and models with other engine/axle configurations are not affected by this recall.

125,758 Chevrolet Suburban vehicles are affected by this recall.

Production Dates : OCT 30, 2013 - SEP 16, 2019

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

Vehicle 4 : 2015-2020 Chevrolet Tahoe

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recalled population includes 4-wheel drive equipped vehicles with the 5.3 L engine (RPO L83) and a 3.08 ratio rear axle (RPO GU4). 2-wheel drive models and models with other engine/axle configurations are not affected by this recall.

180,014 Chevrolet Tahoe vehicles are affected by this recall.

Production Dates : SEP 25, 2013 - SEP 16, 2019

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

Vehicle 5 : 2015-2020 GMC Yukon

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recalled population includes 4-wheel drive equipped vehicles with the 5.3 L engine (RPO L83) and a 3.08 ratio rear axle (RPO GU4). 2-wheel drive models and models with other engine/axle configurations are not affected by this recall.

87,304 GMC Yukon vehicles are affected by this recall.

Production Dates : SEP 27, 2013 - SEP 16, 2019

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 2014 – 2018 model year Chevrolet Silverado and GMC Sierra 1500 vehicles equipped with four-wheel drive, a 5.3-liter engine, and a 3.08-ratio rear axle, and certain 2015 – 2020 model year Chevrolet Suburban, Chevrolet Tahoe, and GMC Yukon equipped with four-wheel drive, a 5.3-liter engine, and a 3.08-ratio rear axle. If a wheel-speed sensor fails in these vehicles, a software error in the vehicle's electronic-brake control module (EBCM) can cause the vehicle's driveline-protection system to activate when (i) the vehicle's electronic transfer case is set to four-wheel drive or automatic mode, and (ii) the vehicle is driven between the speeds of 41 and 60 MPH. If the driveline-protection system activates, the driver will experience unintended braking on the wheel on the opposite side of the failed sensor.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a wheel-speed sensor fails, the vehicle's Electronic Stability Control (ESC) and Anti-Lock Braking System (ABS) malfunction indicator warning lamps will illuminate and the vehicle's driver information center will display a "Service StabiliTrak" message. If these vehicles are driven in this condition while in four-wheel drive or automatic mode at 41-60 MPH, unintended braking on one wheel can occur, causing the vehicle to pull to one side, increasing the risk of a crash. Owners can eliminate this risk by operating the vehicle in two-wheel-drive mode until the recall repair is performed.

Description of the Cause : The axle-ratio calibrations in the vehicles' EBCMs are incorrect, which can cause the EBCM to incorrectly calculate the speed of a wheel that has a faulted wheel-speed sensor. In specific vehicles and in specific operating conditions—driving between the speeds of 41 and 60 mph in four-wheel drive or automatic mode—this error can trigger the vehicle's driveline-protection system.

Identification of Any Warning that can Occur : If a wheel-speed sensor fails, the vehicle's Electronic Stability Control (ESC) and Anti-Lock Braking System (ABS) malfunction indicator warning lamps will illuminate and the vehicle's driver information center will display a "Service StabiliTrak" message.

Supplier Identification :**Component Manufacturer**

Name : ZF Active Safety US Inc.

Address : 12000 Tech Center Drive
Livonia MICHIGAN 48150

Country : United States

Chronology :

see attached

Description of Remedy :

Description of Remedy Program : Dealers will reflash the EBCM. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted on May 17, 2019.

How Remedy Component Differs from Recalled Component : Revised software or software calibration for the EBCM removes or disables the software routine that causes this unintentional braking.
Recalled Component Name: EBCM Software
Recalled Component Description: Electronic Braking Control Module Software
Recalled Component Part Number: 84752602, 84752600, 84752588, 84752589, 84752601, 84752583, 84752580, 84752582, 84752590, 84752581, 84752606, 84752604, 84752599, 84752603, 84752605, 84752607, 84752587, 23495577, 23495579, 23368071, 23389013, 23389015, 23389014, 23389011, 84076804, 84076803, 84076801, 84378785, 84378786, 84378784, 84378786, 84378784, 84378785, 23128230, 23495575, 23426042, 23459665, 23425342
Recalled Component Country of Origin: U.S.

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

Recall Schedule :

Description of Recall Schedule : GM will notify dealers on October 24, 2019. GM will provide owner notification dates when available.

Planned Dealer Notification Date : OCT 24, 2019 - OCT 24, 2019

Planned Owner Notification Date : NR - NR

* NR - Not Reported