

Part 573 Safety Recall Report

21V-346

Manufacturer Name : General Motors, LLC

Submission Date : MAY 13, 2021

NHTSA Recall No. : 21V-346

Manufacturer Recall No. : N202325530



Manufacturer Information :

Population :

Manufacturer Name : General Motors, LLC

Number of potentially involved : 196

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

Estimated percentage with defect : 100 %

Company phone : 586-596-1733

Vehicle Information :

Vehicle 1 : 2019-2020 Chevrolet 6500HD

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Manufacturing records were used to identify vehicles built with a combination of regular production option (RPO) codes XDV for front tires and YAP for rear tires.

Other medium duty models and 6500HD models built with other tire RPO code combinations are not affected by this recall.

Production Dates : AUG 13, 2019 - NOV 25, 2020

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 2019-2020 model year Chevrolet Medium Duty 6500HD trucks built with tires with a maximum speed rating of 75mph (regular production option (RPO) codes XDV for the front tires and YAP for the rear tires) and engine control module software that limits the speed of the vehicle to 79 mph.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If vehicle speed exceeds the maximum tire rated speed, the tire structure could be compromised, ultimately increasing the risk of tire failure and of a crash.

Description of the Cause : Tire speed limitations were not correctly communicated during development of engine control module (ECM) speed limiting software. This software was intended to limit the maximum vehicle speed to the maximum tire speed rating.

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name 1 : ECM Calibration

Component Description : Engine Control Module Software Calibration

Component Part Number : 12684346-47, 12684354-55, 12684371, 12684416, 12698996-97, 12699004-05,
12699012, 12699062

Component Name 2 : ECM Calibration

Component Description : Engine Control Module Software Calibration

Component Part Number : 12701032, 12701033, 12701040-41, 12701048, 12701250, 12702471-72,
12702479-80, 12702487, 12704398-99

Component Name 3 : ECM Calibration

Component Description : Engine Control Module Software Calibration

Component Part Number : 12704406-07, 12704414, 12706383, 12706391, 12706398, 12706459,
12708709, 12710634, 12711264-65

Component Name 4 : ECM Calibration

Component Description : Engine Control Module Software Calibration

Component Part Number : 12711272-73, 12711280, 12711868-69, 12711876-77, 12711884, 12712876-77,
12712884-85, 12712892

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On December 9, 2020, Navistar, the manufacturer of the subject vehicles, informed GM that vehicles may have been built with maximum speed limitation calibrations that exceed tire maximum speed ratings. A GM engineering manager reported the issue to GM's Speak Up For Safety (SUFS) program the next day. Preliminary information was collected regarding the issue and GM opened an investigation on February 24, 2021. Testing completed April 14, 2021 confirmed the speed limiting software in the ECM and the body control module (BCM) would allow vehicles to reach 79 mph, exceeding the 75 mph maximum speed rating of the tires. On May 6, 2021, GM's Safety and Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program :	Dealers will update the software calibration for the engine control module (ECM) to set the speed limiting software so that the vehicle speed will not exceed 75 mph and therefore meet the maximum speed rating of the tires. 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 :	Revised software calibrations for the ECM limit the vehicle's maximum speed to 75 mph.
Identify How/When Recall Condition was Corrected in Production :	On November 25, 2020, Navistar updated the production build process to use an ECM calibration that limits the maximum vehicle speed to 75 mph.

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified on May 13, 2021. Owner notification is estimated to begin June 28, 2021.
Planned Dealer Notification Date :	MAY 13, 2021 - MAY 13, 2021
Planned Owner Notification Date :	JUN 28, 2021 - JUN 28, 2021

* NR - Not Reported