

Part 573 Safety Recall Report

20V-285

Manufacturer Name : Navistar, Inc.

Submission Date : MAY 20, 2020

NHTSA Recall No. : 20V-285

Manufacturer Recall No. : 20505



Manufacturer Information :

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive
Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 2,805

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 International CV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information :

- The issue involves the CV series Body Control Module (BCM) programming.
- The inclusive dates of manufacture were determined from when the CV series went into production through the date the issue was contained in manufacturing.
- The issue is unique to the CV series BCM programming and all other Navistar models have their own unique BCM programming.
- There are 2,805 CV series trucks in the suspect population.

Production Dates : AUG 03, 2018 - MAR 20, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect :

- The ABS MIL does not illuminate on the instrument panel when there is a loss of communication between the Electronic Brake Control Module (EBCM) and the BCM.
- This condition does not conform to Federal Motor Vehicle Safety Standard No. 105 Section 5.3.1.C. The Anti-Lock Brake System (ABS) Malfunction Indicator Lamp (MIL) should be illuminated when there is loss of communication.

FMVSS 1 : 105 - Hydraulic and electric brake systems

FMVSS 2 : NR

Description of the Safety Risk : If the ABS MIL does not alert the driver in the unique situation of a communication loss to the controller, the driver may have no indication of inoperative ABS or ATC functionality, which may increase the risk of a vehicle crash while operating on slippery road conditions. Note however that even in this unique situation, the foundation brakes are still fully available to bring

Description of the Cause : the vehicle to a stop.
The BCM software was changed to correct certain Electronic Brake Controller Module (ECBM) faults. This software change caused an unintentional change to the functionality for ABS MIL activation when the EBCM lost communication to the BCM.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Body Control Module Software

Component Description : Programming software

Component Part Number : Body Control Module P/N – 7503122C4

Supplier Identification :

Component Manufacturer

Name : General Motors

Address : 29427 Louis Chevrolet Road
Warren MICHIGAN 48093

Country : United States

Chronology :

- 04/27/2020 – Navistar was performing model year 2021 FMVSS 105 validation testing on CV models, when it discovered that the ABS MIL would not illuminate on the cluster with loss of controller communication. Navistar then retested MY19 and MY20 production CV vehicles and identified a similar issue.
- 04/28/2020 – Navistar and GM Engineering review determine that a BCM software change made by GM in September 2018 to address EBCM communication faults, may have inadvertently changed the functionality of the ABS MIL.
- 04/29/2020 – Navistar contains the issue by placing a ship hold on all CV vehicles at the plant.
- 05/08/2020 – Navistar determines the starting point of the issue in production affecting CV series vehicles.
- 05/12/2020 – Navistar finalizes suspect vehicle population.
- 05/14/2020 – Navistar declares a noncompliance recall.

Description of Remedy :

Description of Remedy Program : • The remedy will involve reprogramming the BCM software with a new calibration.
• Navistar's plan for reimbursement of pre-notification remedies, on file with NHTSA and dated 10/03/2018, applies and reimbursement instructions will be included in the customer notification.

How Remedy Component Differs from Recalled Component : The remedy BCM software conforms to all the requirements of FMVSS 105 where the recalled software did not.

Identify How/When Recall Condition was Corrected in Production : 05/11/2020 – Navistar resumes vehicle production with updated BCM software.

Recall Schedule :

Description of Recall Schedule : It is estimated that the Customer and Dealer notification letters will be mailed by 06/19/2020.

Planned Dealer Notification Date : JUN 19, 2020 - JUN 19, 2020

Planned Owner Notification Date : JUN 19, 2020 - JUN 19, 2020

* NR - Not Reported