

Part 573 Safety Recall Report

19V-478

Manufacturer Name : Navistar, Inc.

Submission Date : AUG 02, 2019

NHTSA Recall No. : 19V-478

Manufacturer Recall No. : 19510



Manufacturer Information :

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive
Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 1,035

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2011-2011 IC Bus BE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : School bus, 14 to 35 passengers and equipped with certain non-retractable passenger two-point lap belts by Amsafe/Shield.

The suspect population is identified by models equipped with certain non-retractable passenger two-point lap belts (seat belt) manufactured by Amsafe/Shield.

The inclusive dates of manufacture were determined by when the seat belt went into production through the end of 2011 model year buses based on the failure rate of the 2011 model year compared to other model years.

The vehicles in the suspect population were built with certain non-retractable passenger two-point lap belts (seat belts) supplied by Amsafe/Shield.

There are 86 BE models in the suspect population

Production Dates : MAR 29, 2010 - AUG 25, 2010

VIN Range 1 : Begin :

NR

End :

NR

☐ Not sequential

Vehicle 2 : 2011-2011 IC Bus CE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : School bus, 29 to 77 passengers and equipped with certain non-retractable passenger two-point lap belts by Amsafe/Shield.

The suspect population is identified by models equipped with certain non-retractable passenger two-point lap belts (seat belt) manufactured by Amsafe/Shield.

The inclusive dates of manufacture were determined by when the seat belt went into production through the end of 2011 model year buses based on the failure rate of the 2011 model year compared to other model years.

The vehicles in the suspect population were built with certain non-retractable passenger two-point lap belts (seat belts) supplied by Amsafe/Shield.

There are 945 CE models in the suspect population.

Production Dates : MAR 22, 2010 - SEP 07, 2010

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2011-2011 IC bus RE

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : School bus, 60 to 90 passengers and equipped with certain non-retractable passenger two-point lap belts by Amsafe/Shield.

The suspect population is identified by models equipped with certain non-retractable passenger two-point lap belts (seat belt) manufactured by Amsafe/Shield.

The inclusive dates of manufacture were determined by when the seat belt went into production through the end of 2011 model year buses based on the failure rate of the 2011 model year compared to other model years.

The vehicles in the suspect population were built with certain non-retractable passenger two-point lap belts (seat belts) supplied by Amsafe/Shield.

There are 4 RE models in the suspect population.

Production Dates : MAR 30, 2010 - MAY 05, 2010

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Long term cycle fatigue (buckling and unbuckling the seat belt) may cause the plastic fingers on the male portion of the buckle to crack and fall off resulting in an increase in force necessary to latch the tongue in the buckle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The seats in this application meet the compartmentalization requirements of FMVSS 222 without seat belts. However, at the agency's request and in the interest of Navistar's cooperation with NHTSA, Navistar will conduct a notification and remedy campaign in accordance with 49 CFR Part 573.

Description of the Cause : The plastic fingers on the tongue portion of the belt assembly are compressed

every time the seat belt is latched and over time cycle fatigue may cause the fingers to crack.

Identification of Any Warning that can Occur : None

Supplier Identification :

Component Manufacturer

Name : Shield Restraint Systems, Inc.
Address : 3802 Gallatin Way
Elkhart INDIANA 46514
Country : United States

Chronology :

09/11/2018 –NHTSA sends communication to Navistar advising that a VOQ had been submitted the agency regarding passenger two-point lap style seat belts in their CE buses.

09/12/2018 – Navistar starts the investigation on this issue; and contacts the customer to get the detailed information about the VOQ that was submitted to NHTSA.

10/3/2018 – Interim review of test findings to date which found multiple fractures observed around the radius of the plastic fingers. And that there was a lack of deformation at any of the fracture locations, which indicate a brittle fracture.

10/10/2018 – Navistar updates NHTSA on the investigation regarding the total potential suspect population that were built with the finger design on the tongue side of the belt.

10/17/2018 – Navistar performed a local inspection at the Naperville school district in Illinois and inspected 7 buses with approximately 30 belts per bus. Each bus had at least one or more plastic fingers missing on one of the belts, up to 7 belts with one or more broken plastic fingers.

10/18/2018 – Shield provided a third-party lab report from 2014 which indicated environmental stress cracking caused the plastic finger failures, because of a likely school district cleaning chemical which was not identified in the report. The conclusion in that time frame was that the plastic finger failures on the tongue were maintenance related

10/31/2018 – Navistar received VIN information from State of New Jersey customer through a local dealer indicating they had 13 buses where several belts had broken plastic fingers on each bus.

Description of Remedy :

Description of Remedy Program : The remedy will involve replacing seat belt assemblies that have not already been replaced with the center push buckles on 2011 model year IC buses.

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 seat belt buckle has a center button release verses a side release on the recalled version.

Identify How/When Recall Condition was Corrected in Production : 0304/2015 – Navistar corrected the recall condition in production with two-point lap belts with redesigned buckle halves.

Recall Schedule :

Description of Recall Schedule : It is estimated that the Customer notification letter will be mailed by 08/20/2019.

Planned Dealer Notification Date : AUG 20, 2019 - AUG 20, 2019

Planned Owner Notification Date : AUG 20, 2019 - AUG 20, 2019

* NR - Not Reported