

Part 573 Safety Recall Report

24V-696

Manufacturer Name : Trans Tech Bus**Submission Date :** SEP 18, 2024**NHTSA Recall No. :** 24V-696**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Trans Tech Bus

Address : 7 Lake Station Road

Warwick NY 10990

Company phone : 845-988-2333

Population :

Number of potentially involved : 544

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2017-2020 TransTech SST, CST, SSTFLR, CSTFLR,

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Trans Tech Bus have finalized the investigation regarding TC Recall 2021-759 and concluded that section S4 (b) of Canada Motor Vehicle Safety Standards (CMVSS) TSD 220, Rollover Protection failed due to a faulty side emergency exit window built by Lippert Components, LCI.

Transportation Collaborative Inc on behalf of Lippert Components Company, has decided that on certain 2017- 2021 Model School Bus models equipped with Horizontal Hinged Egress Windows Part# 510175 fail to conform to Federal Motor Vehicle Safety Standard No. 571.220 "School bus rollover protection.", more specifically the requirements of paragraph S4. (B) Emergency Exit operation. The affected population includes Horizontal Hinged Egress Windows Part# 510175 manufactured by Lippert Components Company and shipped between November 1st 2017 and January 2020. Models included in the recall are built on a wide body platform which differ from other models not included which are narrow body models. Narrow body models utilize a different emergency window do to the height of the window strainers. The recall is specific to part# 510175 supplied by Lippert Components, The following models are wide body unit equipped with a Horizontal Hinged Emergency Window Part number 510175. After investigating the units produced between November 1st 2017 thru January 1 2020 the current unit population is 544 units.

Production Dates : NOV 11, 2017 - JAN 01, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Noncompliance :

Description of the Noncompliance : Transportation Collaborative Inc on behalf of Lippert Components Company, has decided that on certain 2017- 2021 (WIDE BODY)Model School Bus / Activity Bus equipped with Horizontal Hinged Egress Windows Part# 510175 fail to conform to Federal Motor Vehicle Safety Standard No. 571.220 "School bus rollover protection.", more specifically the requirements of paragraph S4. (B) Emergency Exit operation. The affected population includes Horizontal Hinged Egress Windows Part# 510175 manufactured by Lippert Components Company and shipped between November 1st 2017 and January 2020.

FMVSS 1 : 220 - School bus rollover protection

FMVSS 2 : NR

Description of the Safety Risk : In the event of an accident, if defected, the emergency exit window located on the left or right side adjacent to the third-row seat may not meet the opening requirements when force is applied, as defined under S4 (b) of Federal Motor Vehicle Safety Standard 220, Rollover Protection. An emergency exit window that does not meet this requirement may increase the risk of injury to the passengers and/or driver

Description of the Cause : According to Lippert Components Company changed the construction of the emergency window part number 510175 from using a piano hinge to an intergraded hinge extrusion when producing the Egress Window. In November of 2017 the company moved production of the window to a new production line and they believe that the defect may have occurred during this transition. The 2 upper window frame rivets were missed during production affecting the operation of the Egress Window.

Identification of Any Warning that can Occur : There is a visible distinction between a compliant and non-compliant window, and there is prior warning which indicates a non-compliance exist. The Egress window will not open close smoothly and will get caught on the window latch catch plate. The exterior top corners of the window frame will be missing rivets.

Involved Components :

Component Name 1 : WINDOW, TEMPERED SPLIT SASH HORIZONTAL EGRASS, 31%

Component Description : WINDOW, TEMPERED SPLIT SASH HORIZONTAL EGRASS, 31% DARK TINT

Component Part Number : 510175

Supplier Identification :

Component Manufacturer

Name : Lippert Components Company
Address : 850 Rue Moeller
Granby Foreign States J2J 1K7
Country : Canada

Chronology :

1/20/2020, Transport Canada, (TC) notified Trans Tech Bus (TTB) of a purchased vehicle (VIN: 1FDEE4FK6MDC02584) for compliance testing regarding Release and Emergency Exits; CMVSS 220, Rollover Protection. 4/28/2021, (TC) notified TTB that the testing CMVSS 220 (FMVSS 220) was completed with items flagged. Test results for CMVSS 220: The L/S emergency exit window, during load application as set in TSD 220 S4 (b), resulted in 156N of force to open. The maximum allowable force is 89N. As per (TC), the rivets on the latch mechanism may have been rubbing on the frame of the window itself during the load application. This was based on test observations. Two scratches on the window's baseplate were shown after testing and this may potentially be the cause of the window's failure. 4/19/2021, TTB reached out to Lippert and notified the component fail results. 8/20/2021, Lippert requested information of the component failure. 10/20/2021, Lippert (LCI) questioned if retesting is required. 11/8/2021, Lippert (LCI) informed TTB that a couple of years ago another customer had a similar failure while performing the Colorado Rack Test, and that the horizontal emergency window was substitute with a vertical hinged emergency window, which behaves more reliable. 5/23/23, TTB contracted ICC NTA located in Nappanee, Indiana, USA to perform an FMVSS/CMVSS 220 on a Trans Tech SST body test buck simulating an SST. TTB discovered 2 versions of the Em. window sharing the same part# 510175. Vers. 1 was built in 2020 & Vers. 2 was built in 2023. The window built in 2020 had vertical movement of about an 1/8". The window built in 2023 did not. Further inspection of vers. 2-2023 had two added rivets to the exterior window frames. The rivets were installed by LCI which to add rigidity to the window & prevented it from any vertical movement. Vers.1 did not have rivets installed and was found to be the root cause. 7/11/2023 TTB tested buck body #TB202306 to validate findings.

Description of Remedy :

Description of Remedy Program : Trans Tech Bus will supply, free of charge, the parts required along with the installation repair procedure for a non-compliant emergency exit window. The remedy is to install two rivets on the exterior trims of a non-compliant emergency exit window. The repair must be performed by an authorized Trans Tech Dealer or unless otherwise notified by Trans Tech Bus. Reference the service repair procedure. To inspect the exterior of an emergency exit window for missing rivets located on the top side vertical window trims as per the service repair procedure TC Recall 2021-759. We urge that you take precautionary measures by notifying the driver and/or passengers of the possible non-compliant window during a rollover accident. During normal conditions, non-accident, the emergency side window will operate as designed. Trans Tech Bus is requesting that you (end-user) contact TCI at 845-988-2333 to arrange for an inspection and repair by an authorized facility.

Upon completion of the vehicle, please have the response card filed out and sent back in the prepaid envelope to Transportation Collaborative at:

Trans Tech Bus
7 Lake Station Road,
Warwick, NY 10990, USA
Attn: Recall Department

How Remedy Component Differs from Recalled Component : The remedied component will have the missing rivets installed providing the rigidity and preventing the Emergency Window P# 510175 from having vertical / downward movement. Making sure that the Emergency window latch clears the catch plate allowing to the Emergency window to open and close freely.

Identify How/When Recall Condition was Corrected in Production : At the start of January 1st 2020 production expanded its inspection of all emergency windows being installed. The process specifically addressed the inspection of emergency window operation. OPEN/CLOSE Production management and staff are to ensure that no emergency window are able to open and close the Emergency Window Part# 510175 freely before and after installation. Confirming that the window latch plate is not making contact with the catch plate.

Recall Schedule :

Description of Recall Schedule : Upon approval of this report, Transportation Collaborative Inc. will notify Trans Tech Bus Dealers and Customers of the affected vehicle by issuing end-user owner notification of affected models. This scheduled mailing will occur no later than September 25th, 2025

All questions regarding this recall may be addressed to:

Customer Service
Standards & Compliance
Transportation Collaborative Inc.
7 Lake St
ation Road
Warwick, New York 10990
Phone# 845.988.2333 Fax# 845.988.0355

After September 25th, please contact Forest River LLC:

Forest River Bus, LLC
2367 Century Drive Goshen IN 46528
Company phone: (800) 348-7440

Planned Dealer Notification Date : SEP 23, 2024 - SEP 25, 2024

Planned Owner Notification Date : SEP 23, 2024 - SEP 25, 2024

* NR - Not Reported