

Part 573 Safety Recall Report

20E-015

Manufacturer Name : Carrier Corporation

Submission Date : SEP 15, 2020

NHTSA Recall No. : 20E-015

Manufacturer Recall No. : R-968



Manufacturer Information :

Manufacturer Name : Carrier Corporation

Address : P.O. Box 4805

Carrier Parkway, TR-20 Syracuse NY
13221

Company phone : 315-432-3572

Population :

Number of potentially involved : 107

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Carrier Transicold

Model : Vector 8611MT

Part No. : N/A

Size : N/A

Function : Refrigeration

Descriptive Information : The Vector 8611MT trailer refrigeration unit (the "affected TRU") is sold by Carrier Corporation's Carrier Transicold Division ("Carrier") and is designed and used to maintain the temperature of frozen and/or chilled products during on-road trailer transport. The affected TRU uses a diesel engine and a generator to provide power to its cooling system and includes components that separate the trailer lengthwise so that each half may be used to transport products at different frozen and/or chilled temperatures.

Production Dates : MAY 01, 2019 - JUN 03, 2020

Description of Defect :

Description of the Defect : The affected TRU's generator harness is routed in a manner that it may come into contact with a chassis bolt, and/or with the affected TRU's generator in two (2) distinct locations.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The affected TRU's generator harness is routed in a manner that it may come into contact with and chafe against a chassis bolt, and/or with the affected TRU's generator in two (2) distinct locations. This chafing can, under certain conditions, damage the harness and lead to electrical arcing and possibly a fire.

Description of the Cause : The affected TRU's generator harness is not routed in a manner that keeps it

Identification of Any Warning that can Occur : sufficiently tight and away from contact with a chassis bolt and the affected TRU's generator.
Visual inspection will show the wear or damage to affected TRU generator harness.

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : N/A

Address : NR

NR

Country : NR

Chronology :

On February 11, 2020 a production line inspection showed that the affected TRU's generator harness was routed in a manner that it may come into contact with a chassis bolt and the affected TRU's generator. As a result shipments of affected TRUs were put on hold on February 11, 2020 and Carrier immediately began a careful analysis of the affected TRU's design. On March 13, 2020 Carrier determined that the issue presented a potential safety-related defect reportable to NHTSA under Part 573. Five (5) business days later, on March 20, 2020, Carrier filed its 573 Defect and Non-Compliance Report.

Following the submission of the March 20, 2020 573 Defect and Non-Compliance Report, Carrier commenced a detailed reassessment of the affected TRU's design. By June 3, 2020 that reassessment project had raised a possible concern that the affected TRU's generator harness was routed in a manner that it may come into contact with the affected TRU's generator in a second location. As a result, shipments of affected TRUs were again put on hold on June 3, 2020 and Carrier immediately began a careful analysis of the second location of concern. On September 8, 2020 Carrier determined that the second location of concern presented a potential safety-related defect reportable to NHTSA under Part 573. Five (5) business days later, on September 15, 2020, Carrier amended its March 20, 2020 573 Defect and Non-Compliance Report with this new information.

Description of Remedy :

Description of Remedy Program :	Carrier will ask all end user customers to have their affected TRUs inspected by an authorized Carrier dealer. The dealer will, at no cost to end user customers, inspect and reroute and better secure the generator harness and better secure the condensate drain tubes within the affected TRU.
How Remedy Component Differs from Recalled Component :	Carrier Transicold is modifying the affected TRUs (Vector 8611MT) in the field to better route and secure the generator harness and to better secure the condensate drain tubes within the affected TRU.
Identify How/When Recall Condition was Corrected in Production :	All affected TRUs shipped on and after February 17, 2020 have the generator harness better routed and secured within the TRU as part of the manufacturing process to address the contact with the chassis bolt and the first location of contact with the affected TRU's generator. All affected TRUs shipped on and after June 3, 2020 have the generator harness better routed and better secured and the condensate drain tubes better secured within the TRU as part of the manufacturing process to also address the second location of contact with the affected TRU's generator.

Recall Schedule :

Description of Recall Schedule :	<p>On or about April 22, 2020, Carrier sent notices of the inspection and field retrofit plan for affected TRUs via email to all of its authorized dealers located in the U.S., and sent notice of the inspection and field retrofit plan for affected TRUs via U.S. Mail to all known end user customers located in the U.S.</p> <p>On or about October 9, 2020, Carrier plans to send notice of the updated inspection and field retrofit plan for affected TRUs via email to all of its authorized dealers located in the U.S., and plans to send notice of the updated inspection and field retrofit plan for affected TRUs via U.S. Mail to all known end user customers located in the U.S.</p>
Planned Dealer Notification Date :	OCT 09, 2020 - OCT 09, 2020
Planned Owner Notification Date :	OCT 09, 2020 - OCT 09, 2020

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR
Address : NR
NR
Country : NR
Company Phone : NR

* NR - Not Reported