

Part 573 Safety Recall Report

20E-014

Manufacturer Name : Carrier Corporation

Submission Date : MAR 20, 2020

NHTSA Recall No. : 20E-014

Manufacturer Recall No. : R-969



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 : 711

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Carrier Transicold

Model : Supra S6, S7, S8 & S9

Part No. : N/A

Size : N/A

Function : Refrigeration

Descriptive Information : The Supra S6, S7, S8 and S9 models of diesel truck refrigeration unit (together, the "affected TRUs"), are sold by Carrier Corporation's Carrier Transicold Division ("Carrier") and are designed and used to maintain the temperature of frozen or chilled products during on-road truck transport. The affected TRUs are available in both a "road only" model that uses only a diesel engine as its power source (the "road only TRUs"), and a "standby" model that is also equipped to use externally sourced 230V power while parked (the "standby TRUs").

Production Dates : SEP 01, 2016 - FEB 21, 2020

Description of Defect :

Description of the Defect : The battery cables of both road only and stand by models and the standby cables of the standby models of the affected TRUs are routed in a manner that they may come into contact with the affected TRUs' engine oil pan.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The battery cables of both road only and stand by models and the standby cables of the standby models of the affected TRUs are routed in a manner that they may come into contact with and chafe against the affected TRUs' engine oil pan. This chafing can, under certain conditions, damage the cables and lead to electrical arcing and possibly a fire.

Description of the Cause : The affected TRUs' battery and standby cables are not routed in a manner that

keeps them sufficiently tight and away from contact with the affected TRU's engine oil pan.

Identification of Any Warning that can Occur : Visual inspection will show the wear or damage to affected TRUs battery and standby cables.

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 14, 2020 a production line inspection showed that a standby TRU's battery and standby cables were routed in such a manner that they were in contact with the affected TRU's engine oil pan. As a result shipments of standby TRUs were put on hold on February 14, 2020 and Carrier immediately began a careful analysis of the affected TRUs' design. As part of that investigation, on February 21, 2020 Carrier noticed that the road only TRUs' battery cable was also routed in such a manner that it could come into contact with the affected TRUs' engine oil pan. As a result shipments of road only TRUs were put on hold on February 21, 2020 as the investigation continued. 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.

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 secure, and if necessary, repair, affected TRUs' battery and standby cables.

How Remedy Component Differs from Recalled Component : Carrier is modifying the affected TRUs in the field to better route and secure the battery and standby cables within the affected TRUs.

Identify How/When Recall Condition was Corrected in Production : All affected TRUs shipped after February 21, 2020 have the battery and standby cables better routed and secured within the TRU as part of the manufacturing process.

Recall Schedule :

Description of Recall Schedule : On or about April 20, 2020, Carrier plans to send notice of the inspection and field rework plan for affected TRUs via email to all of its authorized dealers located in the U.S., and plans to send notice of the inspection and field rework plan for affected TRUs via U.S. Mail to all known end user customers located in the U.S.

Planned Dealer Notification Date : APR 20, 2020 - APR 20, 2020

Planned Owner Notification Date : APR 20, 2020 - APR 20, 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