

Part 573 Safety Recall Report

25E-028

Manufacturer Name : Carrier Corporation**Submission Date :** APR 25, 2025**NHTSA Recall No. :** 25E-028**Manufacturer Recall No. :** To be determined**Manufacturer Information :****Population :****Manufacturer Name :** Carrier Corporation**Number of potentially involved :** 4,661**Address :** P.O. Box 4805**Estimated percentage with defect :** 1 %Carrier Parkway, TR-20 Syracuse NY
13221**Company phone :** 315-432-3572**Equipment Information :****Brand / Trade 1 :** Carrier Transicold**Model :** Aspen Auxiliary Power Unit (APU) including Aspen-INT, Aspen-STA, and Aspen-PWR**Part No. :** N/A**Size :** N/A**Function :** Power for cab

Descriptive Information : Carrier's Aspen APU has been manufactured since February 2023, and provides power for cooling, heating, cab power, battery charging, and engine heating in tractor-trailer truck cabs when the truck engine is not running. The models included in the recall -- Aspen-INT, Aspen-STA, and Aspen-PWR -- all share the same component part, in which the defect is believed to exist. The exact number of units in the population with the defect is unknown, and thus all Aspen units manufactured since February 2023 are included.

Production Dates : FEB 01, 2023 - APR 17, 2025**Description of Defect :**

Description of the Defect : The failure mode occurs in the positive terminal block, which is located in the assembly that generates electrical power for the APU. The positive terminal block can initiate a fire, most likely due to electrolytic corrosion which leads to a short between the positive terminal block and the bracket it is mounted to and/or a loose connection at the terminal stud.

FMVSS 1 : NR**FMVSS 2 :** NR

Description of the Safety Risk : It is believed that the potential defect may cause a fire hot enough to propagate to flammable components in and around the APU, which could potentially injure persons close to the APU, and/or propagate to the rest of

Description of the Cause : the truck causing significant property damage to the truck, the payload and surroundings.
Carrier is still investigating the root cause of this potential defect in the positive terminal block. At this point it is believed that the combination of moisture and dirt in the environment may lead to electrolytic corrosion of the exposed terminals and the mounting bracket the terminal block is mounted to. This corrosion may lead to a high resistance connection between the battery voltage and the frame and/or the potential for loose terminals which heat up, and results in ignition of the surrounding plastics, e.g., terminal block, wire insulation, and APU skins.

Identification of Any Warning that can Occur : None observed.

Involved Components :

Component Name : Aspen Auxiliary Power Unit (APU)

Component Description : Aspen APU

Component Part Number : Aspen APU

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On January 7, 2025, Carrier was first notified by dealers of two incidents involving fires in Aspen APUs – one that had occurred December 16, 2024, and the second that occurred January 5, 2025. Carrier began an investigation into the incidents immediately, including an investigation of root cause, but the units were not made available for inspection by the owner/operators for months. While Carrier was waiting to inspect the first two units, on April 4, 2025, it was notified of a third incident. Carrier was able to inspect the unit in the third incident on April 9, 2025, and inspect the unit from the second incident on April 10, 2025.

No damage was reported to any other parts of the tractor or trailer, and no personal injuries were reported, for any of the events.

After internal meetings of all safety stakeholders following the third event and completion of inspections of two of the three units involved, Carrier determined that a safety-related defect may exist in the subject APUs on April 10, 2025.

Description of Remedy :

Description of Remedy Program :	The remedy for this issue is still under investigation. Any owners who incurred costs or expenses related to the defect issue prior to notification will be reimbursed, pursuant to the Pre-Notification Reimbursement Plan that will be submitted in the portal.
How Remedy Component Differs from Recalled Component :	To be determined
Identify How/When Recall Condition was Corrected in Production :	To be determined

Recall Schedule :

Description of Recall Schedule :	Carrier intends to begin notification to owners and dealers as soon as the remedy is finalized, and by no later than June 16, 2025. Any owners who incurred and costs or expenses related to the defect issue prior to notification will be reimbursed.
Planned Dealer Notification Date :	MAY 16, 2025 - JUN 16, 2025
Planned Owner Notification Date :	MAY 16, 2025 - JUN 16, 2025

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