

Part 573 Safety Recall Report

16V-625

Manufacturer Name : Halcore Group, Inc.

Submission Date : AUG 24, 2016

NHTSA Recall No. : 16V-625

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Halcore Group, Inc.

Address : 3800 McDowell Road

Grove City OH 43123

Company phone : 999

Population :

Number of potentially involved : 351

Estimated percentage with defect : 95 %

Vehicle Information :

Vehicle 1 : 2013-2016 Horton Ambulance 623/603/553/503/457/453/Change Over

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Cool-Tech air-conditioning condenser fan controller wire harness is not adequately sealed to prevent water intrusion into controller housing. Water intrusion into controller housing of sufficient amount will cause short circuit of controller.

Production Dates : NOV 29, 2013 - MAR 01, 2016

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Horton Emergency vehicles is recalling all vehicles built with optional Cool-Tech air-conditioning condensers built between 11/29/2013 and 03/01/2016. The Cool-Tech air-conditioning condenser uses an electronic controller to activate four separate condenser cooling fans on demand. It was discovered that in some cases the wiring harness for the Cool-Tech condenser fan electronic controller was not adequately sealed, permitting the possibility of water intrusion into the fan electronic controller housing. Water inside the controller housing may by pass electronic functionality. Compromised controllers may cause all four fans to run continually, or otherwise operate erratically. In extreme cases, a compromised controller may cause an electrical fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Possibility of fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : Erratic operation or continual running of condenser fans.

Supplier Identification :

Component Manufacturer

Name : C-Storm Electronics
Address : 1730 Wallace Ave
Suite A St. Charles ILLINOIS 60174
Country : United States

Chronology :

07/02/2015 Thermal event reported vehicle #16444 Cool-Tech condenser fan controller may have started a fire inside vehicle. Fire related damage reported on vehicle.
10/05/2015 Thermal event reported vehicle # 16442 Cool-Tech condenser fan controller overheated. controller damaged and smoke reported , but no other damage. Water intrusion into Cool-Tech condenser controller box identified as root cause.
8/27/2015 - Service bulletin HSB 2015 8.27 - seal Cool-Tech condenser controller housing wire connector fittings.
11/18/2015 - Tech bulletin TSB 2015 11.1 - seal Cool-Tech condenser controller wire harness at harness Y.
08/15/2016 Thermal event vehicle # 16809 - Cool-Tech condenser controller burnt up in exterior AC housing - smoke damage to exterior housing - no other damage reported.

Description of Remedy :

Description of Remedy Program : Horton Emergency Vehicles will replace defective Cool-Tech condenser fan controller assemblies free of charge.

How Remedy Component Differs from Recalled Component :
Revision D Cool-Tech condenser fan controllers have potted electronic controller boards which protects fail safes built into board in the event of water intrusion. Prior revisions of the controller boards were not potted.
Revision D Cool-Tech condenser fan controller assemblies have improved weather tight wire connectors on controller housing to prevent water intrusion. Prior revision controller box connectors were compression style connectors.
Revision D Cool-Tech condenser fan controllers have additional diode protection built in to protect electronics against reverse polarity connection. Prior revision controllers did not have reverse polarity

Identify How/When Recall Condition was Corrected in Production : protection for electronics. Prior revision controller assemblies were replaced with revision D assemblies 01/08/2016.

Recall Schedule :

Description of Recall Schedule : NR
Planned Dealer Notification Date : AUG 24, 2016 - AUG 26, 2016
Planned Owner Notification Date : AUG 29, 2016 - SEP 15, 2016

* NR - Not Reported