

Part 573 Safety Recall Report

16V-534

Manufacturer Name : Ferrara Fire Apparatus, Inc.**Submission Date :** JUL 12, 2016**NHTSA Recall No. :** 16V-534**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Ferrara Fire Apparatus, Inc.
Address : 27855 James Chapel Road
 PO Box 249 Holden LA 70744
Company phone : 800-443-9006

Population :

Number of potentially involved : 2
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2014-2016 FERRARA FIRE IGNITER**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** ALL**Power Train :** DIESEL**Descriptive Information :** UNITS WITH ES-KEY SUPERNODE UTILIZING THE UTILITY FLASH FEATURE**Production Dates :** JAN 01, 2014 - MAY 02, 2016**VIN Range 1 : Begin :** NR **End :** NR Not sequential**Description of Defect :**

Description of the Defect : Hale Products has decided a safety related defect may exist with some ES-KEY Systems utilizing the Supernode utility flash feature. The Supernode output overcurrent protection normally acts as a fuse or circuit breaker within the system. In the event of a short-circuit in a non-Hale Products component, the output overcurrent protection in the Supernode utility flash feature may not perform as expected and result in a short circuit to ground causing connected equipment wiring to overheat and fail.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the installer supplied wiring is compromised in a way that leads to a short circuit on an output that uses the utility flasher, it is possible to overheat the wiring, causing damage to the wiring and potentially affect circuits of other vehicle systems.

Description of the Cause : The Supernode may not provide sufficient circuit protection which could lead to a short circuit.

Identification of Any Warning that can Occur : Observation of possible flashing circuit failures for components on the Supernode may be detected during a vehicle inspection or daily checks by the fire department.

Supplier Identification :

Component Manufacturer

Name : HALE PRODUCTS INC
Address : 607 NW 27th AVENUE
OCALA FLORIDA 34475
Country : United States

Chronology :

Recall was discovered during a telephone conversation with NHTSA on 6/30/2016.
Customer recall notice from Hale Products received on 7/8/2016

Description of Remedy :

Description of Remedy Program :

1. Hale Products will immediately stop shipment on new devices while solution is being found.
2. Identify the ES-KEY output devices.
3. Hale Products will provide fuse holder kits with fuses for all potentially affected vehicles at no charge to the customer AND/OR upgrade the firmware of the ES-KEY nodes.
4. Fuse kits should only be connected in series with the flashing output that is driven by the Supernode utility flasher and located as close to the ES-KEY output devices possible. Updated programming is preferable where easily updated.

How Remedy Component Differs from Recalled Component :
Revision level of software marked on the device for incoming product. Added fuse in series can prevent the Supernode from failing from current spikes in excess of wiring capacity. Programming updates can eliminate the issue, as well

Identify How/When Recall Condition was Corrected in Production :
New software to be loaded on all production units. All new ES-KEY products have internal flash capabilities that lie in the firmware layer of most ES-KEY product, were the overcurrent protection is fully operational.

Recall Schedule :

Description of Recall Schedule : FERRARA FIRE WILL IDENTIFY ANY ADDITIONAL TRUCKS THAT MUST BE RECALLED. IDENTIFIED IN-HOUSE TRUCK WILL BE REPAIRED AND CUSTOMER NOTIFICATION LETTERS TO BE GENERATED AND MAILED OUT.

Planned Dealer Notification Date : AUG 08, 2016 - AUG 26, 2016

Planned Owner Notification Date : AUG 08, 2016 - AUG 26, 2016

* NR - Not Reported