

Part 573 Safety Recall Report

16V-447

Manufacturer Name : Eldorado National-Kansas**Submission Date :** APR 17, 2017**NHTSA Recall No. :** 16V-447**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Eldorado National-Kansas

Address : 1655 Wall Street

Salina KS 67401

Company phone : (913) 392-2171

Population :

Number of potentially involved : 53

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2016 Ford / Chevy / Navistar Aerotech / Aero Elite / Advantage

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The EP4 module board in the Power Distribution Center of the bus has a socket component that may have been hand soldered incorrectly by the supplier to the module board. Should the solder joint break, arcing between the socket and the module board may occur, which may result in a socket/module board electrical short, creating a fire in the bus electrical system.

Production Dates : MAR 04, 2016 - APR 22, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The socket was incorrectly hand soldered onto the EP4 Module Board by the supplier.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Should the socket/module board solder joint break, arcing may occur between the socket and the module board, potentially generating an electrical short and creating a fire, thereby causing personal injury to occupants or property damage to any surrounding structures.

Description of the Cause : The socket was soldered incorrectly to the EP4 module board by the supplier.

Identification of Any Warning that can Occur : The add-on/rear air conditioning system may not operate.

Supplier Identification :

Component Manufacturer

Name : Precisionworks
Address : 463 N Denver Avenue
Loveland COLORADO 80537
Country : United States

Chronology :

4/28/2016: The Supplier US location hand soldered sockets onto EP4 module board. Product delivered to Eldorado.

5/6/2016: EP4 module board failures identified in Eldorado production. Product provided to Eldorado Engineering for failure analysis.

5/9/2016: Eldorado Implemented 100% inspection of EP4 module boards installed into bus.

5/11/2016: Customer notified Eldorado that the bus add-on/rear air conditioning system does not operate.

5/12/2016: Eldorado Engineering determined that the socket/module board solder joint was broken, and the hand solder process was the cause of failure.

5/12/2016: Supplier notified to discontinue hand solder process.

5/13/2016: Completed vehicle inventory and vehicle inventory in process was placed on hold for inspection and/or rework.

5/16/2016: Supplier arrived to complete 100% inspection, and replacement of damaged EP4 module boards.

5/16/2016: Replacement EP4 module board was shipped to customer for replacement, per warranty report dated 5/11/2016.

5/16/2016: Incoming inspection implemented on EP4 module board.

5/17/2016: Supplier notified Eldorado that a quantity of 50 EP4 module boards were hand soldered in the Supplier Mexico location and delivered to Eldorado production prior to 4/28/2016.

5/17/2016: Eldorado decided to obtain EP4 module boards currently in field for analysis testing. EP4 module boards were distributed to four Dealers, equaling six EP4 module boards, for replacement of field inventory. Dealer was requested to replace EP4 module board, even though the EP4 module board has not failed, and return the module board to Eldorado for analysis testing.

6/1/2016: No EP4 module boards received from Dealers for analysis testing.

6/1/2016: Eldorado decided to proceed with a Recall of EP4 module boards; date range as identified.

Description of Remedy :

Description of Remedy Program : Contact your local Eldorado Dealer, or Eldorado, to have the EP4 Module Board replaced.

How Remedy Component Differs from Recalled Component : New component is wave soldered, and includes a new manufacturing date.

Identify How/When Recall Condition was Corrected in Production : Completed vehicle inventory and vehicles in production were inspected and repaired May 16, 2016 through May 19, 2016.

Recall Schedule :

Description of Recall Schedule : NR
Planned Dealer Notification Date : JUL 29, 2016 - JUL 29, 2016
Planned Owner Notification Date : AUG 01, 2016 - AUG 01, 2016

* NR - Not Reported