

Part 573 Safety Recall Report

24V-258

Manufacturer Name : Hi-Tech E.V.S.

Submission Date : MAY 08, 2024

NHTSA Recall No. : 24V-258

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Hi-Tech E.V.S.

Address : 444 Greger St.

Oakdale CA 95361

Company phone : 1-209-847-3042

Population :

Number of potentially involved : 29

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2023 HI-TECH FIRE TRUCK

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : VEHICLES EQUIPPED WITH THESE DEVICES NEED A FIRMWARE UPDATE.

Production Dates : MAR 10, 2020 - JUN 14, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : THE ELECTRICAL CURRENT SENSING CALIBRATION WAS NOT PRODUCED TO SPECIFICATION SO THAT THE FIRMWARE WOULD NOT SHUT OFF THE OUTPUT PIN UNDER A SHORT CIRCUIT CAUSED BY EXTERNAL LOAD OR WIRING FAILURE.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : IN THE EVENT OF A SHORT CIRCUIT OR WIRING FAILURE, IF THE ELECTRICAL CIRCUIT BECOMES OVERLOADED, DEPENDING ON HOW THE INPUT-OUTPUT NODE IS WIRED INTO THE VEHICLE INCLUDING WHETHER IT IS LOCATED NEAR A FLAMMABLE FUEL SOURCE, THERE IS AN INCREASED RISK OF HEAT RELATED DAMAGE OR FIRE.

Description of the Cause : NR

Identification of Any Warning that can Occur : NONE

Involved Components :

Component Name 1 : 8 X 16 INPUT-OUTPUT NODE

Component Description : INPUT OUTPUT NODE

Component Part Number : 6030-2000-00

Supplier Identification :

Component Manufacturer

Name : WELDON DIVISION OF AKRON BRASS

Address : 3656 PARAGON DRIVE
COLUMBUS Ohio 43228

Country : United States

Chronology :

IN EARLY OCT 2023, WELDON WAS NOTIFIED THAT EXTERNAL WIRING IN A VEHICLE USING THE NODE HAD MELTED. THE PART WAS RETURNED TO WELDON FOR ANALYSIS IN MID-OCTOBER WHERE IT WAS FOUND THAT WHEN AN EXTERNAL SHORT CIRCUIT OCCURRED, THE ELECTRICAL OUTPUT DID NOT SHUT DOWN AS SPECIFIED. WELDON CONDUCTED TESTING AND ANALYSIS OF THE VERSION OF THE NODE USED IN THE VEHICLE AS WELL AS PRIOR VERSIONS OF THE NODE AND IT WAS FOUND THAT FOR THE VERSION OF THE NODE INSTALLED IN THE VEHICLE, THE ELECTRICAL CURRENT SENSING CALIBRATION WAS OUTSIDE THE SPECIFIED LIMITS. WELDON FOUND THAT THE CALIBRATION WAS PREVIOUSLY UPDATED IN PRODUCTION, BUT WAS NOT CONSIDERED TO POSE A BROADER CONCERN AT THE TIME. ON OCTOBER 24, 2023, WELDON DECIDED TO CONDUCT A SAFETY RECALL TO ADDRESS THE ISSUE.

WE RECEIVED A NOTICE DATED NOVEMBER 27, 2023 FROM WELDON.

WE DECIDED TO FILE A RECALL ON JANUARY 4, 2024 WHEN WE RECEIVED AN EMAIL FROM NHTSA LETTING US KNOW WE WERE TO FILE A RECALL.

HI-TECH DID NOT HAVE ANY CLAIMS RELATED TO THIS ISSUE.

Description of Remedy :

Description of Remedy Program : WELDON WILL UPDATE THE FIRMWARE IN THE 8 X 16 NODE AS INSTALLED IN AFFECTED VEHICLES AND IN OEM INVENTORY THAT ARE WITHIN THE IDENTIFIED VERSION RANGE. WELDON WILL EVALUATE AND PROVIDE REIMBURSEMENT FOR PRE-NOTIFICATION REMEDIES ON AN INDIVIDUAL BASIS.

How Remedy Component Differs from Recalled Component : FIRMWARE VERSION NUMBER ON DEVICE DETERMINES THE RANGE OF DEVICES THAT SHALL BE RECALLED. VERSION 1.00 - 1.02 TO BE RECALLED.

Identify How/When Recall Condition was Corrected in Production : JUNE 14, 2023 AS PART OF NORMAL QUALITY WORK, THE CURRENT SENSING CALIBRATION FIRMWARE WAS UPDATED IN PRODUCTION.

Recall Schedule :

Description of Recall Schedule : WELDON WILL NOFITY AFFECTED PURCHASERS OF THE RECALL UPON NHTSA'S APPROVAL OF THE OWNER NOTIFICATION LETTER. WELDON DOES NOT HAVE DEALERS.
HI-TECH DOES NOT HAVE ANY DEALERS.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAY 10, 2024 - MAY 31, 2024

* NR - Not Reported