



U.S. Department of Transportation  
**National Highway Traffic Safety  
Administration**

1200 New Jersey Avenue SE  
Washington, DC 20590

December 6, 2023

Ms. Allison Freeman  
Spartan Fire, LLC  
1541 Reynolds Road  
Charlotte, MI 48813

NEF-107SS  
23V-808

**Subject:** Overloaded Electrical System May Cause Fire

Dear Ms. Freeman:

This letter serves to acknowledge Spartan Fire, LLC's notification to the National Highway Traffic Safety Administration (NHTSA) of a safety recall which will be conducted pursuant to Federal law for the product(s) listed below. Please review the following information to ensure that it conforms to your records as this information is being made available to the public. If the information does not agree with your records, please contact us immediately to discuss your concerns.

**Makes/Models/Model Years:**

KME/AERIAL FIRE APPARATUS/2020-2022  
SPARTAN FIRE/LADDER TOWER APPARATUS/2020  
KME/PUMPER FIRE APPARATUS/2021  
SMEAL/AERIAL/2022-2023  
SPARTAN FIRE/S-180 PUMPER/2020-2022

**Mfr's Report Date:** December 1, 2023

**NHTSA Campaign Number:** 23V-808

**Components:**

ELECTRICAL SYSTEM:WIRING

**Potential Number of Units Affected:** 60

**Problem Description:**

Spartan Fire, LLC (Spartan Fire) is recalling certain 2020-2022 Spartan Fire S-180 Pumper Fire Apparatus, 2021 KME Pumper Fire Apparatus, 2020 Spartan Fire Ladder Tower Aerial Fire Apparatus, 2020-2022 KME Aerial Fire Apparatus, and 2022-2023 Smeal Aerial Fire Apparatus trucks. In the event of a short circuit or wiring failure, the firmware in the vehicle multiplex system may fail to shut off the output pin, resulting in overloaded electrical circuits.

**Consequence:**

Overloaded electrical circuits can overheat, increasing the risk of fire.

**Remedy:**

Spartan Fire will work with the equipment manufacturer to update the firmware, free of charge. Owner notification letters are expected to be mailed January 15, 2024. Owners may contact Spartan Fire customer service at 1-517-543-6400. Spartan Fire's number for this recall is 23020.

**Notes:**

Owners may also contact the National Highway Traffic Safety Administration Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to [www.nhtsa.gov](http://www.nhtsa.gov).

Please be reminded of the following requirements:

You are required to submit a draft owner notification letter to this office no less than five days prior to mailing it to the customers. Also, copies of all notices, bulletins, dealer notifications, and other communications that relate to this recall, including a copy of the final owner notification letter and any subsequent owner follow-up notification letter(s), are required to be submitted to this office no later than 5 days after they are originally sent (if they are sent to more than one manufacturer, distributor, dealer, or purchaser/owner).

Please be reminded that under 49 U.S.C. § 30112(a)(3), it is illegal for a manufacturer, to sell, offer for sale, import, or introduce or deliver into interstate commerce, a motor vehicle or item of motor vehicle equipment that contains a safety defect once the manufacturer has notified NHTSA about that safety defect. This prohibition does not apply once the motor vehicle or motor vehicle equipment has been remedied according to the manufacturer's instructions.

As stated in 49 U.S.C. § 30118(f), submission of eight consecutive quarterly reports followed by three annual reports is required. As described in 573.7, submission of the first of eight consecutive quarterly status reports is required within one month after the close of the calendar quarter in which notification to purchasers occurs. Therefore, the first quarterly report will be due on, or before, 30 days after the close of the calendar quarter. The first of three consecutive annual status reports will be due on, or before, 1 year after the eighth quarterly report was submitted.

Spartan Fire, LLC's contact for this recall will be Sarah Shiver who may be reached by email at [sarah.shiver@dot.gov](mailto:sarah.shiver@dot.gov). We look forward to working with you.

Sincerely,



Alex Ansley  
Chief, Recall Management Division  
Office of Defects Investigation  
Enforcement