

Part 573 Safety Recall Report

23V-624

Manufacturer Name : Midwest Fire Equipment & Repair Company**Submission Date :** SEP 13, 2023**NHTSA Recall No. :** 23V-624**Manufacturer Recall No. :** NR**Manufacturer Information :****Population :****Manufacturer Name :** Midwest Fire Equipment & Repair Company**Number of potentially involved :** 19**Address :** 901 Commerce Road**Estimated percentage with defect :** 100 %

PO Box 524 Luverne MN 56156

Company phone : 507-283-9141**Vehicle Alterer Information :****Vehicle 1 :** 2022-2023 All-Poly Series Tanker-Pumper**Descriptive Information :** The vehicles that this affects are those with a mid-ship pump.**Production Dates :** OCT 01, 2021 - JUL 31, 2023**Description of Defect :**

Description of the Defect : The affected vehicles are equipped with a split-shaft transmission and the Class1 Es-Key multiplex system. The Es-Key multiplex system needs to be reprogrammed from park brake power to always on power to the pump interlock module. Without this update, the vehicle may experience pump shifting issues.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This condition could potentially result in the pump shifting out of road mode while driving, resulting in the loss of drive to the rear axles. Loss of power could result in an increased risk for a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : Class 1 Es-Key Multiplex System Software

Component Description : Used for programming of electrical system

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On April 4, 2023, customer took possession of their All-Poly Series Tanker-Pumper at which time they proceeded to drive the vehicle home. During their trip, they lost drive to the rear axle on several different occasions at which point they would pull over and shift from pump gear to road gear in order to reengage the rear axle. Once the department reached their destination, we worked with the local service center to troubleshoot the issue. After several months of trial and error, it was concluded there was intermittent power supplied to the pump shift multiplex system which allowed the air pressure for the pump shift to slowly decrease during travel. Programming was adjusted to supply constant power to the system which in turn supplied constant air to the pump shift, not allowing the truck to come out of road gear. At that time, we identified a total of 19 trucks that were programmed incorrectly & came to the conclusion a recall would be necessary.

Description of Remedy :

Description of Remedy Program : Midwest Fire will send a USB to USB cable to do the reprogramming of the Class1 multiplex system at no charge to the customer. The customer will need to go to https://www.haleproducts.com/vehicle-electronics/supernode-ii#product_tabs_download, create an account with a username and password and then download the ES-KeyPro II Read Only Version 1.0.93 program and save to their desktop. Customer will then call Midwest Fire who will login remotely and install the new program for them. This will be done at no charge to the affected customers.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : Upon identification of the issue, the issue was immediately remedied with the corrected electrical programming.

Recall Schedule :

Description of Recall Schedule : Midwest Fire will mail out the recalls no later than October 15, 2023. Given the small number of customers affected by the recall, we will also call the customer directly to notify them.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : OCT 15, 2023 - OCT 15, 2023

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name :

Address :

Country :

Company Phone :

* NR - Not Reported