Part 573 Safety Recall Report   22V-853

Manufacturer Name :	Midwest Fire Equipment & Repair Company
Submission Date :	FEB 03, 2023
NHTSA Recall No. :	22V-853
Manufacturer Recall No. :	NR

NHTSA
NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION

Manufacturer Information :

Manufacturer Name : Midwest Fire Equipment & Repair Company

Address : 901 Commerce Road

PO Box 524 Luverne MN 56156

Company phone : 507-283-9141

Population :

Number of potentially involved : 11

Estimated percentage with defect : 100 %

Vehicle Alterer Information :

Vehicle 1 : 2021-2022 Midwest Fire All-Poly Series

Descriptive Information : We've noted a couple instances where customers reported issues shifting their pump into gear to operate the pump. After reviewing the truck programming, it was discovered the truck electrical multiplexing programming was modified and set to engage at 0 mph instead of the standard 2-4 mph that is specified for pump operation. The trucks possibly affected by this recall have a split shaft transmission and the Es-Key multiplex electrical system. The trucks excluded from this recall have a manual pump shift and are not affected.

Production Dates : OCT 01, 2021 - OCT 31, 2022

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 M0 to M5 to allow for the pump to shift from road to pump and pump to road modes. Without this update, they may experience pump shifting issues.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This condition could potentially result in the inability to shift the apparatus from road mode to pump mode.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On October 26, 2022 we were doing customer training and had some issues with our pump shifting into gear. We discovered the truck was programmed incorrectly and did not allow the pump to shift from road to pump and pump to road modes. Initially, we thought it was just an isolated incident. We continued to research this issue and came to the conclusion the week of November 14 that at some point our master programming had been modified and the programming was incorrect. We identified eleven trucks that were programmed incorrectly. On November 18, we determined a recall would be necessary and submitted necessary documentation to NHTSA.

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 http://firmware.class1.com/login.aspx?ReturnUrl=%2f, 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 on November 13, 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 December 15, 2022. 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 :	DEC 15, 2022 - DEC 15, 2022

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