

# Part 573 Safety Recall Report

# 19V-528

**Manufacturer Name :** Kovatch Mobile Equipment Corp.**Submission Date :** JUL 12, 2019**NHTSA Recall No. :** 19V-528**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Kovatch Mobile Equipment Corp.

Address : One Industrial Complex

Nesquehoning PA 18240

Company phone : 8002353926

**Population :**

Number of potentially involved : 529

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2017-2019 KME Predator Rescue

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records  
 -The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
 -2017 KME Predator Rescue: 3  
 -2018 KME Predator Rescue: 1  
 -2019 KME Predator Rescue: 2

Production Dates : JUL 28, 2016 - AUG 22, 2018

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2019 KME Predator Aerial

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records.  
 -The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
 -2017 KME Predator Aerial: 4  
 -2018 KME Predator Aerial: 8  
 -2019 KME Predator Aerial: 5

Production Dates : JUN 03, 2016 - APR 18, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2017-2019 KME Predator Panther Aerial

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records.  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator Panther Aerial: 4  
-2019 KME Predator Panther Aerial: 2

Production Dates : SEP 24, 2016 - FEB 28, 2019

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 4 : 2016-2020 KME Predator Panther Pumper

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records.  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2016 KME Predator Panther Pumper: 1  
-2017 KME Predator Panther Pumper: 60  
-2018 KME Predator Panther Pumper: 30  
-2019 KME Predator Panther Pumper: 39  
-2020 KME Predator Panther Pumper: 6

Production Dates : JAN 17, 2016 - JUL 01, 2019

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2017-2019 KME Predator Panther Rescue

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator Panther Rescue: 14  
-2018 KME Predator Panther Rescue: 2  
-2019 KME Predator Panther Rescue: 1

Production Dates : JUL 28, 2016 - JUN 19, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2017-2020 KME Predator Panther Tanker

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator Panther Tanker: 7  
-2018 KME Predator Panther Tanker: 7  
-2019 KME Predator Panther Tanker: 2  
-2020 KME Predator Panther Tanker: 1

Production Dates : MAY 04, 2016 - APR 30, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2017-2020 KME Predator Pumper

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator Pumper: 23  
-2018 KME Predator Pumper: 11  
-2019 KME Predator Pumper: 26  
-2020 KME Predator Pumper: 3

Production Dates : JUL 09, 2016 - APR 30, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2017-2019 KME Predator SS Aerial

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator SS Aerial: 14  
-2018 KME Predator SS Aerial: 10  
-2019 KME Predator SS Aerial: 11

Production Dates : JUN 25, 2016 - MAY 30, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2016-2020 KME Predator SS Pumper

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2016 KME Predator SS Pumper: 1  
-2017 KME Predator SS Pumper: 67  
-2018 KME Predator SS Pumper: 64  
-2019 KME Predator SS Pumper: 38  
-2020 KME Predator SS Pumper: 12

**Production Dates :** APR 09, 2016 - JUN 29, 2019

**VIN Range 1 : Begin :** NR **End :** NR

Not sequential

**Vehicle 10 :** 2017-2019 KME Predator SS Rescue  
**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES  
**Body Style :** OTHER  
**Power Train :** DIESEL

**Descriptive Information :** -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator SS Rescue: 12  
-2018 KME Predator SS Rescue: 3  
-2019 KME Predator SS Rescue: 2

**Production Dates :** MAY 20, 2016 - JAN 31, 2019

**VIN Range 1 : Begin :** NR **End :** NR

Not sequential

**Vehicle 11 :** 2017-2017 KME Predator SS Tanker  
**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES  
**Body Style :** OTHER  
**Power Train :** DIESEL

**Descriptive Information :** -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator SS Tanker: 1

**Production Dates :** FEB 24, 2017 - FEB 24, 2017

**VIN Range 1 : Begin :** NR **End :** NR

Not sequential

**Vehicle 12 :** 2017-2019 KME Predator SS TDA  
**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES  
**Body Style :** OTHER  
**Power Train :** DIESEL

**Descriptive Information :** -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different

installation that is obsolete.  
-2017 KME Predator SS TDA: 8  
-2018 KME Predator SS TDA: 10  
-2019 KME Predator SS TDA: 3

Production Dates : JUL 13, 2016 - MAY 16, 2019

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 13 : 2017-2019 KME Predator Tanker  
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES  
Body Style : OTHER  
Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator Tanker: 4  
-2018 KME Predator Tanker: 1  
-2019 KME Predator Tanker: 3

Production Dates : OCT 02, 2016 - SEP 21, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 14 : 2017-2018 KME Predator TDA  
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES  
Body Style : OTHER  
Power Train : DIESEL

Descriptive Information : -The recall information was determined using build records  
-The recalled population is specific to vehicles built using specific hydraulic system installations (components and hose routing). Vehicles not included have a different installation that is obsolete.  
-2017 KME Predator TDA: 1  
-2018 KME Predator TDA: 2

Production Dates : JAN 24, 2017 - JUN 16, 2018

VIN Range 1 : Begin : NR End : NR

Not sequential

## Description of Defect :

Description of the Defect : On KME vehicles with custom cabs, a hydraulic cab lift system is provided to raise the cab to allow access to the engine and other components for maintenance. A mechanical cab lock that physically locks the cab in the raised position is part of this system and is required to be engaged prior to any personnel entering the area underneath the raised cab. In addition to the primary mechanical cab lock, a secondary locking system is provided by way of hydraulic velocity fuses connected to the cab lift cylinders. The hydraulic velocity fuses are meant to lock the cab in place in the event of a hydraulic system failure while raising or lowering the cab. KME vehicles with certain hydraulic system installations have hydraulic velocity fuses that may not activate as expected

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The hydraulic velocity fuse is designed to close in the event of a large system leak, such as a burst hydraulic hose. They trap hydraulic oil in the cab lift cylinders locking the cab in that position. Operating instructions require that personnel only work underneath a raised cab when the mechanical locking bar is engaged. If personnel ignore the operating instructions and are underneath the cab prior to the mechanical cab lock being engaged and a hydraulic system failure occurs, the velocity fuses may not activate allowing the cab to lower faster than normal which may cause injury or death.

Description of the Cause : The rated flow of the velocity fuse is too near to the potential flow out of the cab lift cylinder in the event of certain hydraulic system failures.

Identification of Any Warning that can Occur : None

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On June 30, 2019 during an inspection of a new vehicle at the end of the production process, a hydraulic line failed while the cab was being raised. The velocity fuse did not activate and the cab lowered completely. An investigation was initiated and determined the rated flow of the velocity fuse was too near the flow of some potential hydraulic system failures. New velocity fuses with a lower rated flow were installed in the system

and tested. Testing showed the new velocity fuses resolved the issue. Testing was also conducted on an older vehicle with the obsolete system. The testing showed that this system does not have the defect. On July 8, 2019, it was determined that a recall was required.

## Description of Remedy :

**Description of Remedy Program :** The velocity fuses for each of the (2) cab lift cylinders will be replaced with new fuses having a lower flow rating at no cost to the vehicle owner. In the event that the owner already incurred costs to remedy this issue, they will be directed in the notification letter to contact KME for reimbursement.

**How Remedy Component Differs from Recalled Component :** The remedy component is rated to activate at a lower flow.

**Identify How/When Recall Condition was Corrected in Production :** The same remedy is currently in process on all vehicles in production.

## Recall Schedule :

**Description of Recall Schedule :** Dealers will be notified between 7/29/2019 and 8/23/2019.  
Owners will be notified between 7/29/2019 and 8/30/2019

**Planned Dealer Notification Date :** JUL 29, 2019 - AUG 23, 2019

**Planned Owner Notification Date :** JUL 29, 2019 - AUG 30, 2019

\* NR - Not Reported