

Part 573 Safety Recall Report

18E-101

Manufacturer Name : Kidde Technologies, Inc.

Submission Date : DEC 14, 2018

NHTSA Recall No. : 18E-101

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Kidde Technologies, Inc.

Address : 4200 Airport Dr. NW

Wilson NC 27896

Company phone : 2522377004

Population :

Number of potentially involved : 5,000

Estimated percentage with defect : 10 %

Equipment Information :

Brand / Trade 1 : Kidde

Model : 83-133002-500

Part No. : 421220-11; 421220-12

Size : NR

Function : Fire extinguish

Descriptive Information : Some Kidde Automatic Fire Suppression Systems utilize fire extinguishers manufactured by Kidde-Fenwal, Inc. Based on information recently provided by Kidde-Fenwal, certain fire extinguishers may contain a defective component (piston actuator). The piston actuator is an electrically fired initiator that causes the fire extinguisher to discharge. Fire extinguishers containing defective piston actuators are identifiable by a numerical lot code. The lot code is displayed on a product label attached to the electrical interface cable. Lot codes subject to voluntary recall are:

Lot 2015 - 042A/15

Lot 2017 - 639A/17, 467A/17

Production Dates : JAN 01, 2015 - NOV 05, 2018

Brand / Trade 2 : Kidde

Model : 83-133002-500

Part No. : 421220-21; 421220-22

Size : NR

Function : Fire extinguish

Descriptive Information : Some Kidde Automatic Fire Suppression Systems utilize fire extinguishers manufactured by Kidde-Fenwal, Inc. Based on information recently provided by Kidde-Fenwal, certain fire extinguishers may contain a defective component (piston actuator). The piston actuator is an electrically fired initiator that causes

the fire extinguisher to discharge. Fire extinguishers containing defective piston actuators are identifiable by a numerical lot code. The lot code is displayed on a product label attached to the electrical interface cable. Lot codes subject to voluntary recall are:

Lot 2015 - 042A/15
Lot 2017 - 639A/17, 467A/17

Production Dates : JAN 01, 2015 - NOV 05, 2018

Brand / Trade 3 : Kidde
Model : 83-133002-500
Part No. : 424766
Size : NR
Function : Fire extinguish

Descriptive Information : Some Kidde Automatic Fire Suppression Systems utilize fire extinguishers manufactured by Kidde-Fenwal, Inc. Based on information recently provided by Kidde-Fenwal, certain fire extinguishers may contain a defective component (piston actuator). The piston actuator is an electrically fired initiator that causes the fire extinguisher to discharge. Fire extinguishers containing defective piston actuators are identifiable by a numerical lot code. The lot code is displayed on a product label attached to the electrical interface cable. Lot codes subject to voluntary recall are:

Lot 2015 - 042A/15
Lot 2017 - 639A/17, 467A/17

Production Dates : JAN 01, 2015 - NOV 05, 2015

Description of Defect :

Description of the Defect : The piston actuator is present in fire extinguishers that are used in fire suppression systems operated on buses and coaches. The piston actuator is designed to initiate the discharge of the suppression agent in the fire extinguisher to put out a fire when an electric signal is received. A signal would typically be sent from the system control panel when a detector within the system detects a fire or when activated manually. When this piston actuator defect is present, the fire extinguisher may fail to discharge agent to suppress a fire.

FMVSS 1 : NR
FMVSS 2 : NR

Description of the Safety Risk : A non-working fire extinguisher creates a risk of property damage, serious injury, or death in the event of a fire

Description of the Cause : Based on information provided by Kidde-Fenwal, the equipment specifications provided to its component supplier (Chemring) may not provide sufficient force to depress the valve stem, resulting in failure to discharge.

Identification of Any Warning that can Occur : None known.

Supplier Identification :

Component Manufacturer

Name : Kidde-Fenwal, Inc.

Address : 400 Main Street

Ashland MASSACHUSETTS 01721

Country : United States

Chronology :

On October 31, 2018, Kidde-Fenwal, Inc. notified Kidde Technologies, Inc., that it had observed low force output from a piston actuator that provides initiation of the Kidde-Fenwal fire extinguisher assembly. Observed failure of the piston actuator in the factory resulted in a non-discharge of the fire extinguisher assembly. This condition was observed during discharge of fire extinguisher assembly units for disposal in the factory in late September 2017. Kidde-Fenwal returned its piston actuator inventory to the component manufacturer in early October 2017 for assistance in analyzing the components of the observed behavior. Kidde-Fenwal received the component manufacturer's analysis in early March 2018 and additional internal testing, review and inspection was undertaken by Kidde-Fenwal. Analysis of piston actuator production lots began in March 2018 to evaluate force output. On June 14, 2018 Kidde-Fenwal concluded that the piston actuator output was suspect based on sample testing results. Work continued through September 2018 to characterize the piston actuator low force output and to identify the affected population. Validation of the findings was completed by Kidde-Fenwal on October 30, 2018.

Description of Remedy :

Description of Remedy Program : Kidde Technologies will facilitate 100% inspection of fire extinguishers supplied by Kidde-Fenwal and shipped from January 2015 – November 2018. Piston actuators from the affected lots and piston actuators with no visible lot codes will be replaced free of charge.

How Remedy Component Differs from Recalled Component : Piston actuators compliant with the updated force requirement are marked with a unique lot number on the product label. New lot numbers will have validated output force above the maximum requirement level.

Identify How/When Recall Condition was Corrected in Production : Lot testing by Kidde-Fenwal for proper piston actuator force output began on March 30, 2018. Revised drawings and requirements were flowed down to its component manufacturer by Kidde-Fenwal in June 2018 and incorporated into the component manufacturer's process controls.

Recall Schedule :

Description of Recall Schedule : Kidde Technologies is notifying all customers to whom it has shipped Kidde-Fenwal fire extinguishers and fire extinguisher rebuild kits from January 1, 2015 to November 5, 2018. During this time frame, Kidde Technologies shipped approximately 5000 Kidde-Fenwal fire extinguishers and fire extinguisher rebuild kits. The current understanding of Kidde Technologies, based on information provided by Kidde-Fenwal, is that approximately 408 units are affected with low force output piston actuators. Kidde Technologies will continue to work Kidde-Fenwal to confirm the suspect population. Kidde Technologies will also work with its customers to facilitate inspection of impacted units.

Planned Dealer Notification Date : NOV 07, 2018 - NOV 28, 2018

Planned Owner Notification Date : JAN 08, 2019 - JAN 29, 2019

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 : NEW FLYER INDUSTRIES

Address : 711 KERNAGHAN AVE
WINNIPEG 00 R2C 3T4

Country : CA

Company Phone : NR

Name : NEW FLYER OF AMERICA

Address : 106 NATIONAL DRIVE
ANNISTON AL 36207-8339

Country : US

Company Phone : NR

Name : PREVOST CAR INC

Address : 35 BLVD GAGNON
SAINTE CLAIRE 00 GOR 2VO

Country : CA

Company Phone : NR

Name : PREVOST CAR INC

Address : 31 AREA DEVELOPMENT DR.
PLATTSBURGH NY 12901-6505

Country : US

Company Phone : NR

Name : VAN HOOL

Address : BERNARD VAN HOOLSTRAAT 58
KONINGSHOOLKT LIER 00 2500

Country : BE

Company Phone : NR

* NR - Not Reported