### OMB Control No.: 2127-0004

### Part 573 Safety Recall Report

revost Car (US) Inc.
JL 04, 2023
3V-126
R23-05

#### Manufacturer Information :

Manufacturer Name : Prevost Car (US) Inc. Address : 201 South Avenue South Plains NJ 07080 Company phone : 908-222-7211

#### Vehicle Information :

Valstal 1			
venicle 1:	2018-2023 Prevost H3-45 VI	P	
Vehicle Type :	BUSES, MEDIUM & HEAVY VE	EHICLES	
Body Style :	OTHER		
Power Train :	DIESEL		
	The population was determin Automatic Fire Suppression S engine compartment's lower specific vehicles since they ar configuration. It is to be noted production dates are concern Suppression System is offered Other vehicles not included in sensor. However, the sensor i compartment's upper region generate the issue addressed	system (AFSS) optical fire se region. The recalled produc e the only ones with the pro- d that not all vehicles produ- ed by this issue given that t d as an option for clients. In this recall were also equip n these vehicles is positioned (different sensor configurat	ensor positioned in the ts are limited to these oblematic optical fire sensor ced during the indicated he Automatic Fire ped with an AFSS optical fire ed in the engine ion), which does not
	not included in the recalled p		g why these vehicles were
]	The following vehicles are aff MY2019 Prevost H3-45 VIP, 3 H3-45 VIP, 31 MY2022 Prevo	85 MY2020 Prevost H3-45 V	TP, 39 MY2021 Prevost
Production Dates :	NOV 21, 2017 - OCT 14, 2022		
VIN Range 1:B	egin : NR	End: NR	Not sequential



Number of potentially involved : 555 Estimated percentage with defect : 100 %

**Population :** 

### 23V-126

# Part 573 Safety Recall Report

23V-126

Vehicle 2:	2018-2023 Prevost H	I3-45	
Vehicle Type :	BUSES, MEDIUM & H	EAVY VEHICLES	
Body Style :			
Power Train :	DIESEL		
Descriptive Information :	Automatic Fire Suppr engine compartment specific vehicles sinc configuration. It is to production dates are	's lower region. The recalled e they are the only ones with	I fire sensor positioned in the products are limited to these the problematic optical fire senso s produced during the indicated n that the Automatic Fire
	sensor. However, the compartment's uppe	sensor in these vehicles is p r region (different sensor con dressed by this recall, thus ju	0
	MY2019 Prevost H3-		3 MY2018 Prevost H3-45, 190 -45, 5 MY2021 Prevost H3-45, 13 H3-45.
Production Dates :	NOV 01, 2017 - DEC (	)1, 2022	
VIN Range 1:	Begin : NR	End: NR	Not sequentia

# Part 573 Safety Recall Report

Vehicle 3 : Vehicle Type :	2019-2019 Pr BUSES, MEDIU		VEHICLES		
Body Style :					
Power Train :	DIESEL				
Descriptive Information :	Automatic Fire engine compa- specific vehicl configuration. production da Suppression S Other vehicles	e Suppressio rtment's low es since they It is to be no tes are conc ystem is offe not include	on System (AFSS) op yer region. The recall y are the only ones w oted that not all vehi erned by this issue g ered as an option for d in this recall were	ical fire sensor pos ed products are lin ith the problematic cles produced durin iven that the Autor clients. also equipped with	sitioned in the nited to these c optical fire senso ng the indicated natic Fire an AFSS optical fin
	compartment' generate the is not included in	s upper regi ssue address n the recalle	or in these vehicles i on (different sensor sed by this recall, thu d population. affected by the reca	configuration), wh is justifying why th	ich does not ese vehicles were
Production Dates :	APR 24, 2018	- FEB 14, 20	19		
VIN Range 1:1		NR	End: NR		Not sequentia

#### **Description of Defect :**

anted Automatic f a crash without assenger reases the risk of njury associated measure to protect ct.
itioned from the part of a design nt's lower section, d salt, and other ed with an optical gned by Prevost for
f a cra assen rease njury - meas ct. sitione part nt's lo d salt ed wi

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	these operating conditions, promotes sensor's housing. Under certain cond sensor's housing and allow water to i malfunction and to falsely detect fires	itions, corrosion could damage the ingress, ultimately causing the sens	
	ng In some cases, the Automatic Fire Sup r : intermittently illuminated prior to th visible and audible alert prior to the e	ppression System trouble light may e event. The driver will also receive	
-			
Component Name 1			
-	Optical Fire Sensor		
Component Name 1 : Component Description : Component Part Number :	Optical Fire Sensor		
Component Description : Component Part Number : Component Name 2 :	Optical Fire Sensor 563457		
Component Name 1 : Component Description : Component Part Number : Component Name 2 :	Optical Fire Sensor 563457 AFSS Optical Sensor Bracket AFSS Optical Sensor Bracket		
Component Name 1 : Component Description : Component Part Number : Component Name 2 : Component Description : Component Part Number :	Optical Fire Sensor 563457 AFSS Optical Sensor Bracket AFSS Optical Sensor Bracket		
Component Name 1 : Component Description : Component Part Number : Component Name 2 : Component Description : Component Part Number : Component Name 3 :	Optical Fire Sensor 563457 AFSS Optical Sensor Bracket AFSS Optical Sensor Bracket 061167		

#### **Supplier Identification :**

#### **Component Manufacturer**

Name : NR

Address : NR

NR

Country: NR

#### **Chronology**:

2022-10-07 One field report related to this issue involving one vehicle was received.

2022-10-21 Internal Prevost investigation was opened to identify the root cause and to determine if the issue is safety related.

2022-11-16 Case was presented on Volvo Product Safety Working Group (PSWG) to evaluate if there is a potential safety related issue. It was concluded that further investigation was required to complete the assessment.

2022-11-28 A failed sensor was sent to an external laboratory for exhaustive corrosion analysis.

2023-01-16 All field reports and warranty claims related to this issue were analyzed. Two other field reports related to this issue were reported. The first field report was received on 2019-11-28 and indicated that one MY2019 H3-45 experienced a false AFSS activation, most likely due to a corroded optical fire sensor. The report indicated that the same issue targeted five other H3-45. The second field report was received on 2022-06-24 and indicated that two MY2019 H3-45 experienced a false AFSS activation, potentially due to a Linear Thermal Detector malfunction. The investigation revealed that the false activation probably resulted from a corroded optical fire sensor. Four warranty claims related to this issue were received, all on MY2019 H3-45. The claims were received on 2020-01-27, 2020-01-30, 2020-02-05, and on 2022-04-28. Note: Two of these warranty claims were included in the field reports.

2023-01-24 Case was presented on Volvo PSWG. Decision made to raise the potential safety issue to Volvo Product Safety Committee (PSC) for review and determination.

2023-02-14 Internal campaign was launched to solve the issue on all vehicles in production before being delivered.

2023-02-23 Case was presented to Volvo PSC. It was concluded that there was a safety related defect and that a recall is needed.

2023-02-24 Safety Recall report submitted to authorities.

No accidents, injuries, or fatalities related to this issue were reported.

#### **Description of Remedy :**

Description of Remedy Program :	Prevost will inspect all concerned vehicles, replace the optical fire sensor if required, and install spacers between the optical fire sensor and its bracket to stop corrosion. Letters will be sent to customers to inform them on how to proceed. Prevost will execute this correction free of charge (parts and labor) for the customers. In case a customer has already inspected and corrected this defect before the safety recall has been launched, this customer will be reimbursed according to Prevost reimbursement plan.
	The remedy consists of adding spacers between the optical fire sensor and its bracket. The remedied assembly (fire sensor and its bracket) will therefore include spacers that maintains a void between the sensor's

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	housing and the bracket, thus preventing all corrosion. The recalled assembly does not include spacers that creates a void (the optical fire sensor is in contact with its bracket).
5	The recall condition was corrected in production on February 14, 2023, when an internal campaign was launched to add spacers between the fire optical sensor and its bracket on all concerned vehicles before being delivered to customers.

#### **Recall Schedule :**

Description of Recall Schedule :	Please note that Prevost does not have a dealer network and the dates entered for the planned dealer notification begin/end date are only to avoid NHTSA Recall Portal error while submitting the recall report.
Planned Dealer Notification Date :	SEP 04, 2023 - SEP 04, 2023
Planned Owner Notification Date :	SEP 04, 2023 - SEP 04, 2023

\* NR - Not Reported