

Part 573 Safety Recall Report

22V-221

Manufacturer Name : Prevost Car (US) Inc.

Submission Date : FEB 06, 2023

NHTSA Recall No. : 22V-221

Manufacturer Recall No. : SR22-05



Manufacturer Information :

Manufacturer Name : Prevost Car (US) Inc.

Address : 201 South Avenue
South Plains NJ 07080

Company phone : 908-222-7211

Population :

Number of potentially involved : 6,342

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2010-2023 Prevost H3-45; X3-45; X3-45 Com; H3-45 VIP: X3-45 VIP

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Components causing this defect have been installed on production for MY2015 and after. However, these components have been installed on after market to vehicles manufactured before MY2015 so, Prevost has considered that affected population is all vehicles produced from 2010, the year of introduction of Volvo Engine.

Production Dates : JAN 01, 2010 - APR 04, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : A small percentage of Prevost units have experienced thermal events upon failure of alternator front bearing because the robust alternator belts continues to turn the alternator bearing even after the failure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In some cases, when alternator's front bearing fails, it could overheats causing a local thermal event.

Description of the Cause : New and more resistant belts were installed on MY2015 and later vehicles. With this new type of belts, in event of alternator front bearing seize, belt may continue to drive the alternator causing abnormal friction for a longer period of time than the old ones.

Identification of Any Warning that can Occur : Noise coming from alternator front bearing and, maybe, alternator not charging telltale light.

Involved Components :

Component Name 1 : BELT, POLY V 8PK1575

Component Description : Black, rubber belt

Component Part Number : 506080

Component Name 2 : BELT, POLY V 8PK1575

Component Description : Black, rubber belt

Component Part Number : 506020

Component Name 3 : BELT, POLY V 8PK1524

Component Description : Black, rubber belt

Component Part Number : 506114

Component Name 4 : BELT, POLY V 8PK1587

Component Description : Black, rubber belt

Component Part Number : 506134

Component Name 5 : BELT, POLY V 8PK1587

Component Description : Black, rubber belt

Component Part Number : 506070

Component Name 6 : BELT, POLY V 8PK1512

Component Description : Black, rubber belt

Component Part Number : 506167

Component Name 7 : BELT, POLY V 10PK1695

Component Description : Black, rubber belt

Component Part Number : 506026

Component Name 8 : BELT POLY V 10PK1695

Component Description : Black, rubber belt

Component Part Number : 506034

Component Name 9 : BELT POLY V 8PK1435

Component Description : Black, rubber belt

Component Part Number : 506065

Component Name 10 : BELT, POLY V 8PK1435 SEVERE DUTY

Component Description : Black, rubber belt

Component Part Number : 506083

Component Name 11 : BELT POLY V 10PK1705

Component Description : Black, rubber belt

Component Part Number : 506067

Component Name 12 : BELT, POLY V 10PK1705 STANDARD DUTY

Component Description : Black, rubber belt

Component Part Number : 506077

Component Name 13 : BELT, POLY V 10PK1892

Component Description : Black, rubber belt

Component Part Number : 506015

Component Name 14 : BELT, POLY V 8PK1600

Component Description : Black, rubber belt

Component Part Number : 506188

Component Name 15 : COURROIE,POLY V 8PK1840

Component Description : Black, rubber belt

Component Part Number : 5060140

Supplier Identification :

Component Manufacturer

Name : Prevost Car (US) inc.

Address : 7900 National Service Rd.

Greensboro North Carolina 27409

Country : United States

Chronology :

- 2016-12-24 First Case reported
- From 2016-12-24 to 2020-12-08 nine (9) more cases were reported through field reports
- 2021-04-23 First analysis on alternator front bearing failure. No evidence was found to consider this failure as a safety related issue.
- 2021-05-18 NHTSA-ODI opened a preliminary evaluation (PE21-011) related to alternator front bearing failure and AFSS activation.
- 2021-07-23 Prevost sent the package of information required by ODI
- 2022-01- ODI came back to Prevost with a new set of questions
- 2022-02-28 Prevost sent a package to answer the ODI
- 2022-03-09 NHTSA and Prevost met to discuss ODI findings. ODI defined that even with the low percentage of failure on alternators because of front bearing failure, there could be a safety related defect related to front bearing failure
- 2022-03-15 Internal inquiry was started to analyze root cause. A link between the introduction of new belts and an increase of thermal events related to alternator' front bearing failure was identified. This new information triggered a new new case to present to Volvo Product Safety Committee (PSC)
- 2022-03-30 Case presented to PSC. PSC decided there is a safety related defect and a recall is required
- 2022-03-31 Preliminary discussion with NHTSA to expose the findings
- 2022-04-06 Prevost submitted the vehicle defect report to NHTSA

Description of Remedy :

Description of Remedy Program : Prevost will change the defective belts for polyester belts. A safety recall will be launched to inform customers about the defect and letters will be sent to advise how to proceed to correct. Prevost will replace the defective belts free of charge (Parts and labor) for the customers. A maintenance instruction sheet will be provided to customers to explain and instruct how to inspect alternators.

In case a customer has already replaced the defective belts before the safety recall has been released, Prevost plans to offer a reimbursement as previously described in the Prevost Reimbursement Plan.

How Remedy Component Differs from Recalled Component : New belts with new part numbers will be installed on all vehicles affected. These new belts will be in polyester.

Identify How/When Recall Condition was Corrected in Production : Prevost is currently on delivery stop, until parts become available.

Recall Schedule :

Description of Recall Schedule : Note 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 : JUN 03, 2022 - JUN 03, 2022

Planned Owner Notification Date : JUN 03, 2022 - JUN 03, 2022

* NR - Not Reported