

Part 573 Safety Recall Report

21V-888

Manufacturer Name : Cummins, Inc.

Submission Date : JUN 16, 2022

NHTSA Recall No. : 21V-888

Manufacturer Recall No. : C4776



Manufacturer Information :

Manufacturer Name : Cummins, Inc.

Address : Box 3005
Mail Code COB118 Columbus IN
47202-3005

Company phone : 812-377-5000

Population :

Number of potentially involved : 847

Estimated percentage with defect : 20 %

Vehicle Information :

Vehicle 1 : 2019-2021 Cummins Power Generation C70D2RE

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : Cummins Power Generation generator sets mounted on trailers manufactured and certified by a third-party manufacturer. (Felling Trailers, Inc.) Cummins is recalling these generator sets to implement a Product Safety Notice issued by the supplier of circuit breakers installed on the generator sets. Because Cummins is unable to associate circuit breaker date codes with specific genset serial numbers, Cummins is recalling the full population of 385 generator sets of this model manufactured during the relevant production date range for inspection to identify the suspect circuit breakers (by part numbers and date codes). Cummins estimates that approximately 20 percent of this population may be equipped with the defective circuit breakers.

Production Dates : MAY 01, 2019 - OCT 06, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2019-2021 Cummins Power Generation C100D2RE

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : Cummins Power Generation generator sets mounted on trailers manufactured and certified by a third-party manufacturer. (Felling Trailers, Inc.) Cummins is recalling these generator sets to implement a Product Safety Notice issued by the supplier of circuit breakers installed on the generator sets. Because Cummins is unable to associate circuit breaker date codes with specific genset serial numbers, Cummins is recalling the full population of 462 generator sets of this model manufactured during the relevant production date range for inspection to identify the suspect circuit breakers (by part numbers and date codes). Cummins estimates that approximately 20 percent of this population may be equipped with the defective circuit breakers.

Production Dates : MAY 01, 2019 - OCT 13, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : According to the supplier, certain Molded Case Circuit Breakers (MCCBs) may contain a nonconforming component that may result in the circuit breaker not operating as intended under certain conditions.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : According to the MCCB supplier, should this condition occur, a potential for personal injury and/or property damage may exist. According to the MCCB supplier, there may exist a "HAZARD OF ELECTRICAL SHOCK, BURN, EXPLOSION or ARC FLASH". We note, however, that Cummins generator controls are designed with features that will provide short-circuit protection and mitigate the potential for personal injury and/or property damage.

Description of the Cause : The supplier of the subject circuit breaker reported that the subject MCCBs "may contain a nonconforming component."

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : Breaker

Component Description : Schneider Electric PowerPact L 250-600A circuit breaker

Component Part Number : A057L891

Component Name 2 : Breaker

Component Description : Schneider Electric PowerPact L 250-600A circuit breaker

Component Part Number : A055A272

Supplier Identification :

Component Manufacturer

Name : Schneider Electric

Address : 70 Mechanic Street

Foxboro Massachusetts 02035

Country : United States

Chronology :

20 Oct 2021 – Cummins received a written “Product Safety Notice/Notice of Potential Unsafe Condition” from Schneider Electric regarding the subject circuit breakers.

21 Oct – 3 Nov 2021 – Cummins investigated the issue, including conducting a search of warranty claims.

Cummins identified 11 warranty claims for replacement of defective circuit breakers which may possibly be due to this condition.

9Nov2021 – Cummins decided to implement the safety action initiated by Schneider Electric by conducting a safety recall of the generator sets that may have been built with the subject circuit breakers. To date, Cummins has received no reports of accidents or injuries due to this condition.

16Nov2021 – Cummins filed its initial defect notification with NHTSA.

17Nov2021 – Cummins has subsequently determined that the production end date for the C100D2RE units in the recall populations was October 13, 2021.

16May2022 – Cummins completed a Product Safety Hazard Analysis to evaluate the potential risks that this condition may present in Cummins generator sets, with consideration given to application-specific design features.

2Jun2022 – After further investigation and analysis, Cummins concluded that Cummins generator controls contain features that will provide short-circuit protection should the condition in the MCCB occur, thus mitigating the potential for personal injury and/or property damage. Nonetheless, by way of this Cummins safety recall, Cummins will continue to implement the Product Safety Notice issued by the supplier of the circuit breakers installed on the generator sets.

Description of Remedy :

Description of Remedy Program : Cummins will conduct a safety recall to implement the Schneider Electric safety action. Generator sets will be inspected to check the date code of the circuit breakers. If a suspect circuit breaker is identified during inspection, it will be repaired or replaced with a new circuit breaker.

A product failure occurring during the warranty period would have been covered under the manufacturer's limited warranty, but Cummins will submit a recall-specific reimbursement plan to the Recalls Portal for those units that may have failed outside of the warranty period.

How Remedy Component Differs from Recalled Component : The remedy component will have a different date code than the recalled component.

Identify How/When Recall Condition was Corrected in Production : Cummins confirmed with build records that the last dates of manufacture for the affected recall population is Oct 6, 2021 for model C70D2RE and Oct 13, 2021 for model C100D2RE.

Recall Schedule :

Description of Recall Schedule : Cummins expects to publish a Safety Campaign to dealers and distributors no later than 1/14/2022 and to mail owner letters no later than 1/14/2022.

Planned Dealer Notification Date : JAN 14, 2022 - JAN 14, 2022

Planned Owner Notification Date : JAN 14, 2022 - JAN 14, 2022

* NR - Not Reported