

Part 573 Safety Recall Report

22V-548

Manufacturer Name : Gillig, LLC**Submission Date :** JUL 28, 2022**NHTSA Recall No. :** 22V-548**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Gillig, LLC

Address : 451 Discovery Drive
LIVERMORE CA 94551

Company phone : 1-800-735-1500

Population :

Number of potentially involved : 184

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2022 GILLIG LOW FLOOR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : Cummins has recently launched a safety campaign (NHTSA id. 22E-060) to recall certain HV battery packs used on battery electric buses. Because of this decision, GILLIG is recalling the bus population equipped with the battery packs that may be affected by the issue.

Production Dates : JAN 16, 2019 - JUN 02, 2022

VIN Range 1 : Begin : 15GGD281XK3191450 End : 15GGD2810N3197435 Not sequential**Description of Defect :**

Description of the Defect : As described by Cummins, internal coolant leaks may develop within the battery pack, potentially creating a high voltage short circuit via the conduction path through the coolant. This condition may result in localized heating within the battery. Neither Cummins nor Gillig is aware of any injuries associated with this safety defect.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Under certain conditions, an internal coolant leak may lead to gases venting from the battery pack, smoke or a battery fire.

Description of the Cause : The causes of the internal coolant leaks are a loose coolant outlet connector or an improperly loaded bolted joint inside of the battery pack.

Identification of Any Warning : The internally leaking coolant will cause an isolation fault to set and a High Voltage Exposure lamp to be displayed on the vehicle

that can Occur : dashboard while the vehicle is in operation.

Involved Components :

Component Name 1 : Battery pack

Component Description : High voltage battery pack for EV propulsion

Component Part Number : 6301592

Supplier Identification :

Component Manufacturer

Name : Cummins

Address : 500 Central Avenue

Columbus Indiana 47201

Country : United States

Chronology :

The full chronology of the events is detailed in Cummins' recall id. 22E060

On 07/22/2021 Cummins informed GILLIG that the above referenced recall i.d. 22E060 was filed with NHTSA and made the 573 report available to GILLIG. As a result of Cummins' safety determination, GILLIG decided to submit a formal vehicle recall to NHTSA to fulfill the reporting and owner's notification requirements related to the affected vehicles.

Description of Remedy :

Description of Remedy Program : Cummins will administer this recall. Cummins is currently developing the remedy for the recalled units. Pursuant to 49 CFR 577.11(e), Cummins and GILLIG request to be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to 573.13.

How Remedy Component Differs from Recalled Component : Coolant fittings will be torqued and standard coolant will be replaced with low conductivity coolant.

Identify How/When Recall Condition was Corrected in Production : Cummins implemented manufacturing changes to eliminate grease from the coolant outlet fitting, increase the engagement torque on the connector and other changes were implemented on the subject bolted joint. Any vehicle shipped by GILLIG after 07/23/2022 incorporates these changes.

Recall Schedule :

Description of Recall Schedule : Recall notices will be sent to vehicle owners in coordination with Cummins recall notices and within 60 days after filing this report. GILLIG does not have a dealer network. Therefore, dealer notification is not required for this recall.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : SEP 27, 2022 - SEP 27, 2022

* NR - Not Reported