

# Part 573 Safety Recall Report

# 22V-436

**Manufacturer Name :** Gillig, LLC**Submission Date :** JUN 17, 2022**NHTSA Recall No. :** 22V-436**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 : 169

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2019-2022 GILLIG LOW FLOOR

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : ALL

Power Train : NR

**Descriptive Information :** Certain GILLIG Low Floor battery electric transit buses may experience unexpected transition from Drive to Neutral mode while the vehicle is in motion with consequent loss of propulsion and no warning to the driver.

Production Dates : MAY 29, 2019 - APR 08, 2022

VIN Range 1 : Begin : 15GGD2810K3192218 End : 15GGD2813N3197873  Not sequential**Description of Defect :**

**Description of the Defect :** The defect is due to loss of electrical continuity of the EV resolver cable connector. When the signal is lost, the EV control system immediately actuates a switch from Drive to Neutral mode with no warning to the driver.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** An unexpected loss of vehicle propulsion may compromise vehicle drivability in certain conditions and increase the risk for a crash.

**Description of the Cause :** Road inputs causing excessive vehicle vibration may cause unintended cable tension and occasional loss of contact of the connector pins. The entire vehicle population equipped with the defective cable will be included in this recall.

**Identification of Any Warning that can Occur :** The issue may occur without warning to the driver.

**Involved Components :**

Component Name 1 : EV resolver cable

Component Description : Electrical cable for EV propulsion system control

Component Part Number : 50-76401-012

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On 3/4/2022 GILLIG Service received the first report of a vehicle switching unexpectedly from Drive to Neutral mode.

Between 3/4 and 3/24 GILLIG received seven (7) additional reports related to the same issue

On 4/4/2022 GILLIG engineering initiated the analysis of the external and internal EV system cables with support of the propulsion system manufacturer Cummins.

05/24/2022 GILLIG confirmed the root cause of the issue through vehicle testing and decided to design a new longer cable and a new support bracket to provide more robust connector strain relief.

On 6/10/2022 based upon the information developed during the investigation, the GILLIG Safety Committee decided to conduct a safety campaign to address this issue.

On 6/17/2022 GILLIG completed population analysis and identified 169 vehicles that may be affected by this defect.

On 06/17/2022 GILLIG filed a safety recall with NHTSA

## Description of Remedy :

Description of Remedy Program : The permanent corrective action consists of a redesigned resolver cable with extended length to prevent tension stretch and a new bracket designed to provide more robust connector strain relief. GILLIG will notify owners of the safety recall. All affected vehicles will be corrected by implementing the above corrective action at no cost to the customer. GILLIG will reimburse owners for any prenotification repair costs incurred to repair the issue that is subject of this recall

How Remedy Component Differs from Recalled Component : A redesigned resolver cable with extended length and a new support bracket.

Identify How/When Recall Condition was Corrected in Production : The recall condition does not present itself in current production units. Any bus built by GILLIG after 04/08/2022 is free from the defect.

## Recall Schedule :

Description of Recall Schedule : All affected vehicle owners will be notified according to the schedule indicated. 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 : AUG 01, 2022 - AUG 01, 2022

\* NR - Not Reported