

Part 573 Safety Recall Report

23V-635

Manufacturer Name : Gillig, LLC**Submission Date :** SEP 15, 2023**NHTSA Recall No. :** 23V-635**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 : 223

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2023 GILLIG LOW FLOOR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Driveshaft fasteners improperly torqued.

Production Dates : MAR 14, 2022 - AUG 22, 2023

VIN Range 1 : Begin : 15GGB3112N3196586 End : 15GGD2719P3199726 Not sequential**Description of Defect :**

Description of the Defect : Gillig has determined that a limited population of transit buses may be affected by a safety defect. After repair operations were performed on these buses, the same set of driveshaft fasteners were reinstalled with improper torque specifications. In addition, driveshaft fasteners are not intended for re-use after being loosened for maintenance purposes. As a result, the fasteners may fail during vehicle operations, possibly causing detachment of the driveshaft from the vehicle, with potential for severe structural damage and loss of vehicle control. As a result of this condition, Gillig has decided to voluntarily initiate a safety recall campaign for the vehicle population that may be affected by the issue.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Possible detachment of driveshaft potentially leading to loss of vehicle control.

Description of the Cause : Re-installation of previously used fasteners. Improper tightening torque.

Identification of Any Warning that can Occur : Gillig is not aware of any warning.

Involved Components :

Component Name 1 : Kit straps and bolts

Component Description : Complete replacement kit

Component Part Number : 53-22644-003

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

08/17/2023: Gillig received the first notification about a failure affecting a customer bus and opened an internal investigation.

08/25/2023: during the initial investigation, one broken bolt was found nested in the transmission output yoke.

08/28/2023: after further investigation, it was observed that an impact wrench tool was used to tighten the bolts when reinstalling the driveshaft after repair work performed on certain vehicles. The tool is capable of torquing bolts above the yield strength of the material. In addition, bolt re-use is not allowed on this application.

09/06/2023: Failure analysis confirmed the initial suspects of bolt over-torque. Population analysis indicates that 223 vehicles may be affected by the issue.

09/11/2023: the Gillig Safety Committee decided to file a voluntary safety recall to address the issue in the field.

Description of Remedy :

Description of Remedy Program : All vehicle owners involved will be notified of the recall and all affected vehicles will be corrected at no cost to the customer. The corrective action consists of replacing the driveshaft straps and fasteners on the affected vehicles and torque to correct specifications. Gillig will cover all costs incurred by the customers for any prenotification repair in accord with the recall reimbursement plan on file with NHTSA.

How Remedy Component Differs from Recalled Component : New set of fasteners torqued at the correct specification.

Identify How/When Recall Condition was Corrected in Production : All new vehicle builds are torqued at the correct specifications

Recall Schedule :

Description of Recall Schedule : Gillig plans to send out owner notification letters as soon as NHTSA approves the draft. Gillig does not have dealer network and therefore dealer notification is not required for this recall.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : OCT 16, 2023 - OCT 16, 2023

* NR - Not Reported