

Part 573 Safety Recall Report

22V-801

Manufacturer Name : Gillig, LLC**Submission Date :** NOV 30, 2022**NHTSA Recall No. :** 22V-801**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 : 388

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2022 GILLIG LOW FLOOR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : The grease fitting of the steering shaft may interfere with the shaft protecting shroud.

Production Dates : FEB 04, 2022 - SEP 28, 2022

VIN Range 1 : Begin : 15GGD301XN3197142 End : 15GGB2710N3198063 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. On these buses, the grease fitting of the steering shaft may contact the protecting shroud of the shaft, causing an increase in steering drag to be felt on the steering wheel. Over time, the fitting may cut a hole through the shroud with the risk of remaining stuck and undermining the steerability of the vehicle, thus increasing the risk of a crash. 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 : An increase in steering drag potentially leading to complete loss of steering ability of the vehicle overtime.

Description of the Cause : A design change that shifted the original location of the steering column towards the curbside of the vehicle, causing interference between the grease fitting and the shroud.

Identification of Any Warning that can Occur : A progressive increase in steering drag felt by the vehicle driver may provide early warning of the imminent risk of steering loss.

Involved Components :

Component Name 1 : Grease fitting

Component Description : Steering shaft grease fitting

Component Part Number : 05-37322-000

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

07/27/2022: Gillig received the first notification about a steering issue affecting a customer bus.

09/20/2022: Gillig received a new report describing the same issue on a different fleet. The following inspection found all suspect units were affected by the issue and prompted an internal investigation.

09/23/2022: all vehicles inspected to date reported an issue with the grease fitting rubbing against the steering shaft shroud. Further inspection revealed the steering column was off-center to the hole cutout. The inspection was extended to the manufacturing side to determine if all components were installed properly and to the engineering side to investigate potential root causes related to the design.

09/28/2022: the root cause was identified and consisted of a previous design change of the steering system that resulted in a shift of the steering column that caused interference between the grease fitting and the shroud.

09/30/2022: an initial test fit confirmed that a modified grease fitting with a low-profile nipple would resolve the interference issue

10/13/2022: Gillig completed the development of a permanent corrective action consisting in a combination between a low-profile grease fitting and a spacer shim for the miter box bracket to further increase the clearance between grease fitting and shroud.

10/14/2022: Gillig completed analysis of the vehicle population to be recalled

10/17/2022 the Gillig Safety Committee decided to file a voluntary safety recall to address the issue in the field.

On 11/30/2022 the total recalled vehicle population was updated to 388 units.

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 a new low-profile grease fitting and a spacer shim to further increase clearance between the grease fitting and the shroud. Gillig will cover all costs incurred by the customers for any prenotification repair.

How Remedy Component Differs from Recalled Component : A new grease fitting part no. 05-85513-000 for the steering shaft and spacer shim part no. 05-85528-001 for the miter box bracket.

Identify How/When Recall Condition was Corrected in Production : All vehicles with a build date after 09/28/2022 were held at the factory and corrected by implementing the permanent corrective action.

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. On 11/30/2022 the total recalled vehicle population was updated to 388 units.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : DEC 01, 2022 - DEC 01, 2022

* NR - Not Reported