

Part 573 Safety Recall Report

23E-017

Manufacturer Name : SAF-Holland

Submission Date : FEB 26, 2024

NHTSA Recall No. : 23E-017

Manufacturer Recall No. : T B D



Manufacturer Information :

Manufacturer Name : SAF-Holland

Address : 1950 Industrial Blvd

Muskegon MI 49443

Company phone : 888 396-6501

Population :

Number of potentially involved : 435

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : SAF-HOLLAND

Model : ADZ Truck Suspensions, ADZ-123-9

Part No. : 33100396

Size : n/a

Function : Vehicle suspens

Descriptive Information : Fatigue failure of the rear suspension control arm. The vehicle population being recalled consists of GILLIG 29-foot low-floor transit buses equipped with a CNG, Hybrid and certain battery electric powertrains and with the subject rear suspension lower control arm as either original equipment or a replacement part. Buses equipped with powertrain types other than CNG are not susceptible to the condition.

Production Dates : FEB 28, 2011 - NOV 19, 2021

Description of Defect :

Description of the Defect : Our customer, GILLIG, has determined that the rear suspension lower control arm in 29 foot transit buses, configured with a CNG powertrain, may experience high levels of cumulative strain damage in some duty cycles and that over time and with increased mileage, the lower control arm may fail. As a result of the above, SAF-HOLLAND has decided to voluntarily initiate a safety recall campaign for the equipment population that may be affected by the issue.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the LCA fails, this could lead to unintended rear axle movement which could lead to degraded or loss of vehicle control and increase the risk of a crash.

Description of the Cause : The specific use of our ADZ-123-9 truck suspension by GILLIG on their CNG bus application, resulted in increased stresses to the lower control arm (LCA) of

Identification of Any Warning
that can Occur :

our ADZ-123-9 truck suspension, resulting in the fatigue failure of the lower control arm in this specific application. SAF-Holland has determined that the ADZ-123-9 truck suspension were produced to specification, but their use on GILLIG CNG bus applications applies strain to the LCA which is beyond its design parameters, resulting in a reduction of the LCAs durability.
SAF-Holland is not aware of any driver warning prior to component failure.

Involved Components :

Component Name : Lower Control Arm
Component Description : The trailing arm beam of our ADZ-123-9 Suspension
Component Part Number : 90517307

Supplier Identification :

Component Manufacturer

Name : SAF-HOLLAND, Inc.
Address : 1950 Industrial Boulevard
Muskegon Michigan 49442
Country : United States

Chronology :

The chronology is provided in a separate document.

Description of Remedy :

Description of Remedy Program :	<p>SAF-Holland is developing a permanent remedy for this condition. As an interim remedy, the LCA will be replaced with a new LCA arm of the existing design. Design and validation efforts are underway for a permanent remedy. GILLIG will be notified when the permanent remedy is available. The permanent remedy will be made available to GILLIG, for distribution to customers that received an interim remedy. Both interim and permanent remedies will be provided free of charge. Pursuant to 49 CFR Sec. 573.13, GILLIG will reimburse owners for costs incurred for remedies in advance of the manufacturer's notification of the safety-related defect.</p> <p>The interim remedy, which is expected to last a minimum of 100,000 miles, is the same design as the originally installed at the OEM. The permanent remedy will increase the fatigue life of the LCA through higher strength material, and potentially added surface treatment to the critical region. The permanent remedy LCA will be drop-in replacement to the existing LCA and expected to last the useful service life of the bus. We expect that the permanent remedy will be deployed to the field during Q4-2023.</p> <p>The permanent remedy is in the final stages of validation. Replacement lower control arms will be available for shipment to GILLIG on 31MAR24. The defective lower control arms were sold to only one customer, GILLIG, therefore they are the only customer that will need the permanent remedy.</p>
How Remedy Component Differs from Recalled Component :	<p>The interim remedy, which is expected to last a minimum of 100,000 miles, is the same design as that originally installed at the OEM. When the permanent remedy is complete, the LCA will be a different design with a different part number that meets the durability requirements specific for this application.</p> <p>The remedied component will have metal straps incorporated into the lower control arm.</p>
Identify How/When Recall Condition was Corrected in Production :	<p>The recall condition is not present in current production GILLIG bus production. The last bus using the part at issue was produced by Gillig in November 2021. The ADZ-123-9 truck suspension is no longer offered on a GILLIG bus.</p>

Recall Schedule :

Description of Recall Schedule :	SAF-Holland plans to send out the customer notification letter to GILLIG by the end of the 60-day period from the date this recall is filed.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	MAR 31, 2024 - MAR 31, 2024

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : GILLIG LLC

Address : 451 Discovery Drive
Livermore CA 64551

Country : US

Company Phone : 5102645094

* NR - Not Reported