

Part 573 Safety Recall Report

16V-931

Manufacturer Name : Gillig LLC
Submission Date : DEC 20, 2016
NHTSA Recall No. : 16V-931
Manufacturer Recall No. : NR

**Manufacturer Information :**

Manufacturer Name : Gillig LLC
Address : 25800 Clawiter
 Hayward CA 94545
Company phone : 1-800-735-1500

Population :

Number of potentially involved : 451
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2015-2016 GILLIG LLC LOW FLOOR
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : ALL
Power Train : CNG/LPG

Descriptive Information : Amerex SafetyNet fire suppression systems on certain Gillig CNG buses may disable their Gas Detection electronics without indication to the driver of a system malfunction.

Production Dates : SEP 01, 2015 - DEC 05, 2016

VIN Range 1 : Begin : 15GGB2710G1187479 **End :** 15GGE2719F1093008 **Not sequential**

Description of Defect :

Description of the Defect : Refer to attached repair campaign letter from Amerex: Amerex SafetyNet fire suppression systems on certain Gillig CNG buses may disable their Gas Detection electronics without indication to the driver of a system malfunction. Affected display panel/controller units were also provided as replacement parts for warranty claims. All affected units must be replaced. (Note: The fire suppression function is not affected by this issue and operates as designed.)

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If not corrected, the fire suppression systems on certain CNG-powered buses may fail to indicate the presence of a natural gas (methane) leak. In such cases, the driver will not receive a fault code indicating that the Gas Detection electronics have been disabled. This may increase the risk of asphyxiation, fire, or explosion.

Description of the Cause : An error in the firmware of certain display panel/controller units results in the Gas Detection electronics not rebooting after a short term power supply loss.

Identification of Any Warning : No indication or fault code is given through the Operator Display Panel that the

that can Occur : Gas Detection electronics have been disabled after a short tem power supply loss.

Supplier Identification :

Component Manufacturer

Name : Amerex Corporation

Address : 7595 Gadsden Highway
Trussville ALABAMA 35173

Country : United States

Chronology :

11/16/16 – Amerex sent a repair campaign letter to Gillig dated 11/14/2016 with details of the firmware malfunction, four affected part numbers, and part manufacturing dates. The letter stated Amerex’s intent to go to all vehicle customer locations to replace every affected part at no costs.

11/17/16 – Gillig started process to assess the technical details of malfunction, affected vehicle population, proposed repair, etc.

12/6/16 – Gillig participates in phone call with Amerex to confirm technical findings and part populations affected. Amerex notes that the Gas Detection System may stay permanently disabled with no indication to the operator.

12/7/16 – Affected part population expanded to add one additional Amerex part number (24926), resulting in five part numbers in total.

12/8/16 – Gillig determined that three affected units were also sold in the aftermarket through the Gillig Parts Department.

12/16/16 – Gillig’s Safety Committee reviews details of the component manufacturer’s proposed repair campaign and decides to initiate a NHTSA vehicle safety defect recall.

12/20/16 – Gillig files 573 safety recall report.

Description of Remedy :

Description of Remedy Program : Amerex will replace all affected Operator Display Panel/Controllers on buses subject to the recall at the customer’s location at no cost to the owner and verify that the newly installed units function properly. While gas detection subsystems were only installed on 347 CNG-powered buses in the recall population (451), subject panels on an additional 102 non-CNG buses will also be replaced to prevent potential future reuse. A total of 2 panels were also provided as replacement parts for warranty claims. Warranty part owners will also be notified and their parts will be replaced at no cost.

How Remedy Component Differs from Recalled Component : The replacement Amerex Operator Display Panel/Controllers have an updated firmware software version that remedies the defect.

Identify How/When Recall Condition was Corrected in Production : All Gillig buses manufactured before September 1, 2015 or after December 5, 2016 with Amerex SafetyNet fire suppression systems utilize a firmware version in their operator display/control panels that does not contain the programming error.

Recall Schedule :

Description of Recall Schedule : Recall notices will be sent as soon as NHTSA approves the draft owner notification letter.

Planned Dealer Notification Date : DEC 29, 2016 - JAN 11, 2017

Planned Owner Notification Date : DEC 29, 2016 - JAN 11, 2017

* NR - Not Reported