

Part 573 Safety Recall Report

24V-385

Manufacturer Name : Vicinity Motor Corporation**Submission Date :** MAY 30, 2024**NHTSA Recall No. :** 24V-385**Manufacturer Recall No. :** CA-000-054**Manufacturer Information :**

Manufacturer Name : Vicinity Motor Corporation

Address : 3168 - 262nd Street

Aldergrove 00 V4W 2Z6

Company phone : 1-604-607-4000

Population :

Number of potentially involved : 28

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Vicinity Vi33

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : CNG/LPG

Descriptive Information : Vicinity Motor Corporation (formerly Grande West Transportation) has become aware of a fault possibly affecting a total of 28 Class 6 Vicinity CNG buses. It affects 14 Vi30 CNG buses and 14 Vi35 CNG buses. These vehicles were produced between 2017 and 2022. This issue pertains to low pressure CNG hoses found on Vi30 & Vi35 CNG buses. It is identified as CA-000-054 in all internal and customer-facing documentation.

It is estimated around 100% of the 28 units have this defect.

It has come to our attention that the low-pressure CNG hoses and fittings found in the engine bay do not meet compliance standards at the time of manufacture, specifically, they do not meet the requirements outlined by CSA/ANSI NVG 3.1.

This non-compliance poses a significant risk to both the vehicles themselves and the safety of passengers and drivers alike. The use of non-compliant CNG hoses increases the likelihood of leaks, potential fires, and even explosions due to the inherent volatility of compressed natural gas. Such risks are heightened during vehicle operation and can result in severe injuries, property damage, and even loss of life.

Production Dates : JAN 01, 2017 - DEC 31, 2017

VIN Range 1 : Begin : 2G9B33GA4HA098147 End : 2G9B33GAXJA098160

 Not sequential

Vehicle 2 : 2022-2022 Vicinity Vi35

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : CNG/LPG

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Production Dates : JAN 01, 2022 - DEC 31, 2022

VIN Range 1 : Begin : 2G9B35BA3NA098624 End : 2G9B35BA1NA098637 Not sequential

Description of Noncompliance :

Description of the Noncompliance : The low-pressure CNG hoses and fittings found in the engine bay do not meet compliance standards at the time of manufacture, specifically, they do not meet the requirements outlined by CSA/ANSI NVG 3.1.

FMVSS 1 : 304 - Compressed natural gas fuel container integrity

FMVSS 2 : NR

Description of the Safety Risk : This non-compliance poses a significant risk to both the vehicles themselves and the safety of passengers and drivers alike. The use of non-compliant CNG hoses increases the likelihood of leaks, potential fires, and even explosions due to the inherent volatility of compressed natural gas. Such risks are heightened during vehicle operation and can result in severe injuries, property damage, and even loss of life.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : HOSE, REDUCER TO AUXILIARY HEATER

Component Description : Flex line from tee to heater inlet.

Component Part Number : F422CACA121206-600

Component Name 2 : HOSE, REDUCER TO FUEL FILTER

Component Description : Flex line from tee to engine fuel filter inlet

Component Part Number : F422CACA121206-600

Component Name 3 : HOSE, FILTER TO ENGINE

Component Description : Flex line from engine fuel filter outlet to engine inlet

Component Part Number : F42206CA101206-700

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

March 20, 2024

Customer contacts VMC Service regarding replacement CNG hose availability. Hoses are experiencing chafing issues.

March 25, 2024

VMC Service requests VMC Parts to procure from local supplier. VMC Service then updates customer with parts availability.

April 25, 2024

Customer contacts VMC Service regarding CNG hose specifications. Found to be noncompliant.

April 26, 2024

VMC Service informs VMC Engineering of potential Non-Compliance issue.

April 30, 2024

VMC Engineering visits customer. VMC Engineering confirms that the low pressure CNG hoses do not meet NGV3.1 requirements. VMC Engineering begins internal investigation.

May 2, 2024

VMC Engineering contacts hose supplier regarding CNG compatibility. Hose supplier confirms that the hose and fittings are not compliant and not for use on CNG applications.

May 2, 2024

VMC Engineering performs destructive testing on customer provided hose to analyze internal wear. VMC Engineering finds signs of cracks and fine rubber debris.

May 7, 2024

VMC Engineering, VMC Service and VMC Upper Management attends online meetings with customer to discuss potential impact and possible resolutions.

Description of Remedy :

Description of Remedy Program : Vicinity Motor Corporation will notify owners in writing and arrange for a service team to inspect the affected units. Customers will be notified once the replacement hose assemblies are available. All affected units must have this part replaced.

Reimbursement and Remedy costs have been covered, and will continue to be covered under warranty to rectify this issue.

In the interim, all affected customers (prescribed person and current vehicle owners) will be directed to remove the vehicles out of service until a finalized repair plan is available. All prescribed persons and vehicles owners will be notified between calendar weeks 25 and 26.

How Remedy Component Differs from Recalled Component : The remedy component will meet all applicable CNG vehicle standards found in North America. This includes both the low pressure hose and fittings.

Identify How/When Recall Condition was Corrected in Production : Corrective actions have been communicated with our manufacturing partners. Final confirmation steps were added to predelivery inspections (PDI) to ensure that the corrective action have been implemented.

Recall Schedule :

Description of Recall Schedule : Owner's and dealerships will be notified by calendar weeks 25 and 26.

Planned Dealer Notification Date : JUN 17, 2024 - JUN 28, 2024

Planned Owner Notification Date : JUN 17, 2024 - JUN 28, 2024

* NR - Not Reported