

# Part 573 Safety Recall Report

# 24V-021

**Manufacturer Name :** Lode-King Industries, Ltd.**Submission Date :** FEB 28, 2024**NHTSA Recall No. :** 24V-021**Manufacturer Recall No. :** N/A**Manufacturer Information :**

Manufacturer Name : Lode-King Industries, Ltd.

Address : Box 1146  
135 Canada St Winkler, Manitoba-  
Canada 00 R6W4B4

Company phone : 1-204-325-4345

**Population :**

Number of potentially involved : 6

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2018-2024 Prestige &amp; Lode King AHV45-3 and AHV50-3

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

**Descriptive Information :** There are six (6) semi-trailers included in this recall in the United States. In parallel we are doing the same Recall in Canada # 2024-011. While preparing the customer notification letters we had some confusion regarding the location of one particular trailer. At that point it seemed a 7th trailer had been sold in Canada by our Canadian dealer to an American customer. At that point we had revised the number of trailers in this recall to 7. Subsequently, we were able to locate the end user of this 7th trailer and determined that int was, in fact, located in Canada. Therefore, we have revised the number of trailers in this recall back to the original 6 units.

Production Dates : DEC 03, 2018 - NOV 30, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

**Description of the Noncompliance :** The vehicle system that is affected is the ABS brake function, and in particular, trailers that employ a 2S2M or 4S2M ABS system. The nature of this issue is that the ABS sensors may be plugged into the wrong connections on the ABS computer module. In other words, the ABS sensors may be connected backwards to the ABS computer.

This defect has not resulted in any warranty claims. We are not aware of any deaths or injuries as a result of this defect.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

**Description of the Safety Risk :** The potential safety risk is that if wheel lock up is sensed at one wheel end

**Description of the Safety Risk :** during a braking event, the ABS computer may modulate the air brakes on the opposite side of the trailer. This would reduce the braking effectiveness of the service brake system, thereby increasing the risk of a crash because of the inability to stop quickly.

**Description of the Cause :** Insufficient technical data and training provided for personnel building the trailers.

**Identification of Any Warning that can Occur :** None known.

## Involved Components :

**Component Name 1 :** ABS Computer

**Component Description :** ABS Sensor Cables plugged into the computer

**Component Part Number :** 400 500 103 0; 8BC10005

## Supplier Identification :

### Component Manufacturer

**Name :** N/A

**Address :** NR

NR

**Country :** NR

## Chronology :

During a recent quality system audit it was detected that a particular trailer had failed the end of line test for the ABS system function. Upon further investigation we learned that the ABS sensors had been plugged into the wrong ports on the ABS computer. After a more in depth review it was determined that following a design change to the air tank location and ABS valve orientation the particular shop building this model of trailer were not given the necessary information about how the change affected the installation and testing of the system.

## Description of Remedy :

Description of Remedy Program : End user customers may take their trailer to a dealer location to have the corrective action carried out at no cost to them. Alternatively, if the customer wishes to perform the work themselves we will provide a Field Service Bulletin describing the procedure and we will reimburse them for one hour of labor time to carry it out.

How Remedy Component Differs from Recalled Component : Nothing is different. All components are the same. The corrective action requires that the ABS sensor cables be unplugged from the ABS computer module and reconnected into the correct ports.

Identify How/When Recall Condition was Corrected in Production : As noted above, this problem was identified when different, more experienced personnel were assigned to perform our end of line test on the ABS system. All new production trailers as of January 12, 2024 are now being fully tested and validated before they are shipped to a dealer or end user.

## Recall Schedule :

Description of Recall Schedule : We will be notifying all 6 owners of this recall within the next 2 weeks.

Planned Dealer Notification Date : JAN 22, 2024 - FEB 09, 2024

Planned Owner Notification Date : JAN 22, 2024 - FEB 16, 2024

\* NR - Not Reported