

Part 573 Safety Recall Report

22V-298

Manufacturer Name : Kalmar Solutions, LLC

Submission Date : MAY 04, 2022

NHTSA Recall No. : 22V-298

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Kalmar Solutions, LLC

Address : 415 E. Dundee Street

Ottawa KS 66067

Company phone : 785-229-6341

Population :

Number of potentially involved : 687

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2015-2022 Kalmar Ottawa T2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Kalmar Ottawa T2 Terminal Tractors with a Trailer Handbrake option.

Production Dates : JAN 01, 2015 - APR 29, 2022

VIN Range 1 : Begin : 11VJ817E1FA000263 **End :** 11VJ813AXNA000456 Not sequential

Description of Defect :

Description of the Defect : The problem is that the trailer handbrake valve and the parking brake valve vent lines are plumbed together. When the trailer handbrake valve vents, it pressurizes the vent port of the trailer palm valve. This pressurization sets the trailer parking brakes unexpectedly.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : The safety risk is that the trailer brakes being unexpectedly set may result in unexpected vehicle motion, increasing the risk of a crash. There have been no recorded accidents as a result of this issue to date.

Description of the Cause : The trailer handbrake valve and the parking brake valve vent lines are plumbed together. Rapid release of the trailer handbrake causes a back pressure in the trailer parking brake valve which unintentionally causes the trailer parking brakes to set.

Identification of Any Warning that can Occur : No warnings preceding.

Involved Components :

Component Name 1 : Trailer Handbrake

Component Description : Trailer handbrake air valve

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

Mar 23, 2022: Notification from the field of a trailer park brake valve unexpectedly setting when the trailer hand brake valve was released. Mar 29, 2022: test and reproduce failure in test truck. Mar 30, 2022: Any production trucks with option put on quality hold. Apr 22, 2022: Determined this was a safety issued and need of notifying NHTSA.

Description of Remedy :

Description of Remedy Program : The solution is to replace the Tee fitting that ties the trailer handbrake valve to the parking brake valve and replace it with a union. The trailer hand brake valve vent is then to be routed thru the floor of the cabin under the brake treadle. We are releasing a service kit, SK8927. Production drawings are updated. The remedy will be performed at no cost by Kalmar dealers and authorized service personnel.

How Remedy Component Differs from Recalled Component : Air line routing. The remedy has the trailer park brake valve and the trailer handbrake valve vent lines routed separately through the floor of the cab.

Identify How/When Recall Condition was Corrected in Production : This recall condition was identified and all trucks at the production facility were reworked prior to shipment.

Recall Schedule :

Description of Recall Schedule : Notification dates pending NHTSA approval of notification letter.

Planned Dealer Notification Date : MAY 20, 2022 - JUN 03, 2022

Planned Owner Notification Date : MAY 20, 2022 - JUN 03, 2022

* NR - Not Reported