

# Part 573 Safety Recall Report

## 21V-092

**Manufacturer Name :** Trail King Industries, Inc.**Submission Date :** FEB 18, 2021**NHTSA Recall No. :** 21V-092**Manufacturer Recall No. :** TK202102**Manufacturer Information :**

Manufacturer Name : Trail King Industries, Inc.

Address : PO BOX 1064

Mitchell SD 57301

Company phone : 999

**Population :**

Number of potentially involved : 34

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2021-2021 Trail King TKSA

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : The population of 34 trailers includes all trailers built of this design.

Production Dates : AUG 21, 2020 - FEB 10, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : The cross member in the slide pan frame to which the hydraulic cylinder for the sliding axle attaches, flexes when sliding the axles and over time may experience cracking in the location where it connects to the slide pan frame.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the cracks in the cross member continue to develop and are not addressed, the cracks could propagate and allow the cross member to come loose or fully detach from the slide pan frame, increasing the potential for a crash.

Description of the Cause : The cross-member design did not allow for adequate strength when sliding the axles.

Identification of Any Warning that can Occur : Small cracks in the corners of the cross member where it meets the outer rails may be visible upon inspection.

**Involved Components :**

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

### Supplier Identification :

#### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

### Chronology :

In August 2020 Trail King began production of an updated TKSA trailer design. On December 29, 2020, Trail King received a report from a Canadian customer that the cross member at the front of the slide pan had cracked and twisted out of its installed location. Trail King repaired the trailer and initiated an investigation, including a physical stress analysis to determine if the condition observed in this vehicle was an isolated incident or, potentially a broader issue. The physical stress test along with computer generated stress testing was conducted in January 2021 and identified the cross member was not robust enough to support the load of the hydraulic cylinder when sliding the axles. On February 11, 2021 Trail King decided to conduct a recall for this issue.

### Description of Remedy :

Description of Remedy Program : Trail King will reinforce or replace the cross member if needed on all affected trailers free of charge. A Trail King dealer will inspect the cross member. If there are signs of cracking, the cross member will be replaced with an improved design. All other cross members will be repaired by adding reinforcement brackets.

How Remedy Component Differs from Recalled Component : Reinforcements will be added to the cross members for additional strength that is sufficient to support the load from the hydraulic cylinder. If the cross member is replaced it will be a taller cross member with additional supports.

Identify How/When Recall Condition was Corrected in Production : All trailers produced beginning February 10, 2021 will have the updated design.

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : MAR 01, 2021 - MAR 15, 2021

Planned Owner Notification Date : MAR 01, 2021 - MAR 15, 2021

\* NR - Not Reported