

Part 573 Safety Recall Report

21V-813

Manufacturer Name : Trail King Industries, Inc.**Submission Date :** OCT 15, 2021**NHTSA Recall No. :** 21V-813**Manufacturer Recall No. :** TK202105**Manufacturer Information :****Manufacturer Name :** Trail King Industries, Inc.**Address :** PO BOX 1064

Mitchell SD 57301

Company phone : 999**Population :****Number of potentially involved :** 209**Estimated percentage with defect :** 50 %**Vehicle Information :****Vehicle 1 :** 2015-2020 Trail King TK70AACS, TK80AACS, TK85ACS and AACS-38**Vehicle Type :** TRAILERS**Body Style :****Power Train :** NR**Descriptive Information :** This recall includes all ACS/AACS trailers with this specific rear axle sliding axle.**Production Dates :** MAY 30, 2014 - APR 16, 2020**VIN Range 1 : Begin :**

NR

End : NR☐ Not sequential**Description of Defect :**

Description of the Defect : On certain step deck trailers with rear sliding axles, small cracks may appear in the front corners of the slide pan where the suspension bolts to the slide pan. If the cracks in the slide pan continue to develop and are not addressed, the cracks could propagate and potentially cause the suspension hanger to pull away from the slide pan structure.

FMVSS 1 : NR**FMVSS 2 :** NR

Description of the Safety Risk : If the cracks in the slide pan continue to develop over time and are not addressed, the cracks could propagate and potentially allow the suspension hanger to pull away from the slide pan structure, increasing the potential for a crash.

Description of the Cause : A fatigue issue related to inadequate reinforcement in the front of slider pan corner area above the hangers.

Identification of Any Warning that can Occur : A fatigue issue related to inadequate reinforcement in the front of slider pan corner area above the hangers.

Involved Components :

Component Name 1 : Slide pan

Component Description : slide pan that suspensions is attached to

Component Part Number : N/A

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On August 20, 2021 Trail King was contacted by a customer that, during a routine inspection, had discovered cracking in the rear axle suspension slide pan of 3 of its 45 ACS trailers. The customer inspected the remaining 42 units and found cracks in 9 of the slide pans. Trail King had not received similar reports of cracking on this trailer model from any other customer and based on Trail King's evaluation, it determined that the cracks observed in the trailers for this customer were due to a trailer application issue specifically with this customer. On September 14, 2021, Trail King was notified by a different customer of a similar issue with the performance of a slide pan. Trail King confirmed the customer's report with photographic evidence on October 6, 2021. On October 8, 2021, Trail King decided to conduct a recall.

Description of Remedy :

Description of Remedy Program : Trail King will repair the slider pan by adding reinforcements between the hanger and the slide pan. A Trail King dealer will inspect the slide pan for cracks and if any are found the cracks will be welded and repaired, then the reinforcements will be added. The repair will be provided on all affected trailers free of charge.

How Remedy Component Differs from Recalled Component : Reinforcements will be added between the suspension hanger and the slide pan. If cracks are found in the slide pan, the cracks will be welded and repaired before adding the reinforcements.

Identify How/When Recall Condition was Corrected in Production : All trailers produced after April 17, 2020 have the reinforcement included in the design.

Recall Schedule :

Description of Recall Schedule : NR

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

Planned Owner Notification Date : NOV 08, 2021 - NOV 22, 2021

* NR - Not Reported