

# Part 573 Safety Recall Report

# 19V-364

**Manufacturer Name :** LDJ Manufacturing, Inc.

**Submission Date :** OCT 02, 2019

**NHTSA Recall No. :** 19V-364

**Manufacturer Recall No. :** NR



## Manufacturer Information :

Manufacturer Name : LDJ Manufacturing, Inc.

Address : 1833 IA-163

Pella IA 50219

Company phone : 620-4034

## Population :

Number of potentially involved : 102

Estimated percentage with defect : 55 %

## Vehicle Information :

Vehicle 1 : 2019-2019 Thundercreek SLT 460, SLT 660, SLT 880, MTT 690, MTT 920 FST 750, FST 990, EV 990

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

**Descriptive Information :** LDJ Manufacturing, Inc. identified the tire rim and lug nut issue when a dealer informed LDJ a wheel came off of a trailer using these components on May 3, 2019. Once LDJ became aware of the potential defect, LDJ began an internal investigation to determine the cause of the potential defect. LDJ reached out to their tire supplier and the rim manufacturer to inform them of the issue and to ensure that LDJ had been installing the tire rims and lug nuts using the directions and torque specs recommended by the rim manufacturer Sendel Wheels. Sendel initially asserted that LDJ was not using lug nuts specified for these tire rims. However, when LDJ obtained and tried to use the piloted lug nuts Sendel suggested, they wouldn't fit into the tire rim. LDJ followed up with Sendel again and Sendel confirmed that the lug nuts LDJ had been using on these rims were to their recommended specifications. LDJ also confirmed that it had been tightening the lug nuts to the torque recommended by Sendel by examining the manufacturing sign off sheets for trailers which experienced this issue. LDJ has also reached out to their axle provider to confirm that the axel studs where the tire is mounted are the correct size and had the correct treading for these rims and lug nuts. LDJ received a wheel and center cap from a trailer which experienced the loosening lug nuts and determined that the center cap was over-sized and did not properly fit the Sendel S20T tire rim. Vendor confirmed that we received 220 out of an order of 400 center caps with a flange which was out of specification and was too large for Sendel S20T rims, creating a tolerance issue on the Sendel S20T rims.

Production Dates : FEB 25, 2019 - MAY 03, 2019

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

**Description of Defect :**

Description of the Defect : On certain trailers, the rim center cap flange is over-sized and does not properly fit the rim which may cause the lug nuts to loosen from the tire rim.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The lug nuts can loosen from the tire rim which can cause the tire to come off the trailer without warning. If out of specification rim center caps are not replaced, the issue can cause a crash without warning. LDJ Manufacturing, Inc. recommends that owners not operate the trailer until the necessary repair has been performed.

Description of the Cause : LDJ believes that this issue could be caused by a tire supplier who provided the incorrect size center caps when the tire supplier ordered with the Sendel S20T rims. These out of specification rim center caps are believed to cause the loosening of lug nuts on Sendel S20T rims. The center cap counter bore on the rim is not large enough to accept the out of specification center caps.

Identification of Any Warning that can Occur : NR

**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 :**

NR

## Description of Remedy :

**Description of Remedy Program :** LDJ has initiated a recall where LDJ dealers will inspect and replace center caps on Sendel S20T rims on wheels of trailers within the recall population. To address the potential defect, LDJ is recalling all center caps on 8 bolt aluminum rims sold during the recall period. LDJ dealers will inspect the rims to determine if they are Sendel S20T rims and will replace any rims which have experienced loosening lug nuts or rims which have been damaged on the lug nut bore of the rims. If your trailer has Sendel S20T rims, the dealer will remove the center caps on all Sendel S20T rims. LDJ estimates the time it will take to inspect and replace defective component parts potentially impacted trailers to be .5 hrs for trailers needing rim center cap replacement and 1.0 hrs for trailers needing rim replacement and LDJ will cover the cost of these inspections, replacement, and dealer travel time at no cost to the customer. LDJ will send out the attached owner notification letters to trailers within the recall population providing instructions about the defect, where to have the defect repaired, and informing them that the defect will be repaired at no cost to the owner of the trailers.

**How Remedy Component Differs from Recalled Component :** The replacement center cap remedy component properly fits into the Sendel S20T tire rim. The recalled center cap is too large for the Sendel S20T rims.

**Identify How/When Recall Condition was Corrected in Production :** Once the dealer contacted LDJ to inform them of the potential defect, LDJ began an internal investigation to determine the cause of the potential defect. Once LDJ became aware of the potential defect, they immediately stopped using these tire rims in production until the cause of the potential defect could be determined and the appropriate remedial measures to be taken.

## Recall Schedule :

**Description of Recall Schedule :** NR

**Planned Dealer Notification Date :** NR - NR

**Planned Owner Notification Date :** NR - NR

\* NR - Not Reported