

Part 573 Safety Recall Report

21V-693

Manufacturer Name : LDJ Manufacturing, Inc.**Submission Date :** SEP 07, 2021**NHTSA Recall No. :** 21V-693**Manufacturer Recall No. :** NR**Manufacturer Information :****Population :**

Manufacturer Name : LDJ Manufacturing, Inc.

Number of potentially involved : 279

Address : 1833 IA-163

Estimated percentage with defect : 75 %

Pella IA 50219

Company phone : 620-4034

Vehicle Information :

Vehicle 1 : 2021-2021 Thunder Creek Fuel and Service Trailers (FST), Multi-Tank Trailers (MTT), Multi-Tank Oil Trailers (MTO), Service & Lube Trailers (SLT), Double Wall Trailers (DW), Split-Tank Trailers (STT), and DEF Tank Trailers (DEF)

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : LDJ Manufacturing, Inc. was informed of a fender clearance lamp wire routing issue on certain trailers by a dealer on Saturday August 28, 2021. The dealer stated that they believed LDJ had an assembly error in the way that a trailer's fender clearance lamp wires had been routed. LDJ received the dealer message and identified the defect at the beginning of business on August 30, 2021. LDJ's Production and Warranty departments immediately developed a repair plan which began by inspecting other trailers on their premises to determine whether the fender clearance lamp wires had been routed incorrectly. LDJ corrected units on the premises which had been manufactured with an incorrect wiring process. The trailer that was initially determined to have the issue was brought into the manufacturing plant, inspected, and repaired. The recall population was determined by including all trailers on the third-generation platform using this fender clearance lamp wiring method that were built by employees trained on the incorrect wiring procedure since the date of hire of the employee who implemented the unapproved wiring process.

Production Dates : APR 15, 2021 - AUG 27, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : On some trailers within the recall population, there is a wire routing issue caused by an assembly wire routing process that was not approved. For certain trailers, the wiring harness was wired on the outside of the frame near the torsion axles creating a pinch point instead of on the inside of the frame.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : For trailers with the fender clearance lamp wiring harness wired on the outside of the frame, if the wire is located between the frame and the channel, there is a risk of torsion arm movement under the load which could cause the harness wire to pinch. If the wire pinches, it could short out, which could cause the fender clearance lamps to fail. If the fender clearance lamps fail, it could increase the risk of a crash after dark, during rain, or at other times where lights are needed.

Description of the Cause : After identifying the defect, LDJ found that the fender clearance lamps on some trailers had not been routed with the correct wiring process.

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 :

On August 30, 2021 LDJ received notice of the safety defect issue on a unit within the recall population. On August 30, 2021 LDJ determined the cause of the defect.

Description of Remedy :

Description of Remedy Program : The authorized service representative will inspect the wire routing to determine if the wire is routed on the outside or inside of the trailer frame. If the wire is routed on the inside of the trailer frame, no further action is needed. If the wire is routed on the outside of the trailer frame, the authorized service representative will inspect the wire to determine if the wire is pinched. If the wire has not been pinched, the wire will be rerouted inside the trailer frame. If the wire has been pinched the wire will be spliced, reconnected with butt connectors, the wire covering will be heat shrunk, the wire loom will need to be heat shrunk, then the wire will be rerouted to the inside of the frame. LDJ Manufacturing, Inc. will remedy the issue without charge to the owner of the vehicle. LDJ will assist the owner in locating an authorized LDJ service representative who can complete the work required under this recall. LDJ will also provide a service bulletin to this representative instructing them how to complete the recall remedy and will provide the parts necessary to complete the recall remedy. The reimbursement rate for service providers will be 1.0 hour per trailer. All reimbursement expenses will be covered by LDJ.

How Remedy Component Differs from Recalled Component : If the wire is already properly routed or not pinched and rerouted there is no difference between the remedy component and the recalled component. If the wire is pinched, the recalled wire will be spliced, connected with butt connectors and the wire covering will be heat shrunk.

Identify How/When Recall Condition was Corrected in Production : When the issue was discovered on 8/30/2021, the Assembly department had a meeting to demonstrate the defective way in which the recall units were wired and the correction. Assembly was trained on the correct way to wire the trailers. The current trailer inventory on the premises was inspected and the trailers that were wired incorrectly were identified and correctly wired by re-routing the wire to the inside of the trailer frame then load tested. The engineering department immediately began creating a wire routing print document that outlines the approved way to route the fender clearance lamp wires on these trailers. An inspection point was established in Stage 1 of the assembly process where the trailer was inspected to ensure the wiring is done properly.

Recall Schedule :

Description of Recall Schedule : Owner Notification Letters and Dealer Notification Letters will be sent out after being reviewed by NHTSA staff at least five days.

Planned Dealer Notification Date : SEP 14, 2021 - OCT 08, 2021

Planned Owner Notification Date : SEP 14, 2021 - OCT 08, 2021

* NR - Not Reported