

Part 573 Safety Recall Report

23V-490

Manufacturer Name : Grand Design RV, LLC**Submission Date :** JUL 17, 2023**NHTSA Recall No. :** 23V-490**Manufacturer Recall No. :** 910039**Manufacturer Information :**

Manufacturer Name : Grand Design RV, LLC

Address : 11333 County Road 2

Middlebury IN 46540

Company phone : (574) 825-8000 x2015

Population :

Number of potentially involved : 6,270

Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2021-2024 Grand Design RV Momentum & Solitude

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : The population was established by production units equipped with 7k & 8k CURT by Lippert axles. Products not included in the recall are a different size axle or have corrected torque specification. There are 6,270 affected units.

Production Dates : FEB 12, 2021 - JUN 22, 2023

VIN Range 1 : Begin : 573FM4531M1119127 End : 573FM4025P1124415

 Not sequential

VIN Range 2 : Begin : 573FM4224P1218797 End : 573FM4233R1220049

 Not sequential

VIN Range 3 : Begin : 573FS4320NAA10632 End : 573FS4324RAA16309

 Not sequential

VIN Range 4 : Begin : 573FM4635PBB00001 End : 573FM4127RBB01426

 Not sequential**Description of Defect :**

Description of the Defect : Lippert has determined the defect exists with a combination of U-bolt torque specification and dynamic load on the leaf spring. The leaf spring pack can fail under dynamic load.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An insufficiently tightened U-bolt could allow the leaf spring to fail and the axle to slip out of position. An axle shifting during transit could increase the chance of injury or crash.

Description of the Cause : Lippert U-bolt torque specifications did not provide adequate clamp load on the leaf springs to withstand normal dynamic load.

Identification of Any Warning that can Occur : Visual inspection of the leaf spring will show shifting of the leaves within the spring stack. Wheel spacing may be different from roadside to curbside, and/or tire interference with body features may be noticed.

Involved Components :

Component Name 1 : CURT ABS 7000# Axle Assembly

Component Description : AXLE ABS 7000# CURT 90 1/2"-74 1/2 BRONZE 30PT

Component Part Number : 120311

Component Name 2 : CURT ABS 7000# 8 LUG Axle Assembly

Component Description : AXLE CURT ABS 7000# 8 LUG OVERSLUNG UPGRADED TUBE/SPRINGS BRONZE BUSHING EZ LUBE 30SPT

Component Part Number : 120333

Component Name 3 : CURT ABS 8000# Axle Assembly

Component Description : AXLE ABS 8000# CURT 90 1/2-74 1/2 BRONZE

Component Part Number : 120372

Component Name 4 : CURT 7000# Axle Assembly with disc brakes

Component Description : AXLE 7000# W/DISC BRAKES

Component Part Number : 120303

Component Name 5 : CURT 8000# Axle Assembly with disc brakes

Component Description : AXLE 8000# W/DISC BRAKES CURT

Component Part Number : 120304

Supplier Identification :**Component Manufacturer**

Name : Lippert Components

Address : Attn: Pamela VanderMel
PO Box 2888 Elkhart Indiana 46515

Country : United States

Chronology :

- January 20, 2023 – Grand Design receive reports of two axle failures where the spring appeared to separate on the axle, allowing the axle to shift location.
- March 14, 2023 – Grand Design notified Lippert Components (LCI) of additional complaints regarding failed leaf springs on Curt axles. Grand Design contracted third party for testing of tie plates and leaf springs.
- March 17, 2023 – Grand Design met with LCI to discuss testing results. It was determined further testing was required.
- April 13, 2023 – Grand Design was advised by LCI to increase U-bolt torque to 80 ft. lb.
- May 25, 2023 – LCI recommended increasing end of line torque to 90 ft. lbs.
- June 15, 2023 – Grand Design met with LCI to review test results and known field incidents on CURT axles.
- July 7, 2023 – Received formal notification of Lippert recall 23E-050.
- July 11, 2023 – Grand Design Product Safety Review Committee met and affirmed scope for impacted CURT axle springs.

Grand Design is aware of 45 incidents starting in January 2023 to June 2023. Two of the incidents resulted in an accident. Grand Design is not aware of any injuries as a result of this condition.

Description of Remedy :

Description of Remedy Program :	On affected vehicles, the dealer will verify the U-bolt torque is at 90 ft.lbs. Any damaged, non functioning components will be replaced at no cost to the customer. Owner's that have paid to have this service performed will be reimbursed by Grand Design for any expenses incurred relating to this defect.
How Remedy Component Differs from Recalled Component :	Remedied components are verified with the correct U-bolt torque value of 90 ft. lb's at final stage production.
Identify How/When Recall Condition was Corrected in Production :	The issue with U-bolt torque was remedied in production by adding an additional check of U-bolt torque in the final stage of production. Each U-bolt is verified to have the supplier recommended torque value of 90 ft. lbs.

Recall Schedule :

Description of Recall Schedule :	Owners of affected vehicles will be notified by First Class mail that their vehicle is affected by the recall. In addition, we will post recall information electronically for consumer access. Dealers will be notified of the recall action (by First Class mail & electronically) and will be supplied with repair information and vehicle identification information.
Planned Dealer Notification Date :	AUG 11, 2023 - AUG 11, 2023
Planned Owner Notification Date :	AUG 16, 2023 - AUG 16, 2023

* NR - Not Reported