

Part 573 Safety Recall Report

22V-442

Manufacturer Name : Grand Design RV, LLC

Submission Date : JUN 22, 2022

NHTSA Recall No. : 22V-442

Manufacturer Recall No. : 910030



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 : 165

Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2022-2022 Grand Design RV Momentum Travel Trailer

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined based on the dates a product substitution took place in production. The substituted solar inverter installed incorporated a different wiring installation method versus the normal component. A total of 165 Model Year 2022 Momentum Travel Trailers are affected.

Production Dates : NOV 08, 2021 - JAN 24, 2022

VIN Range 1 : Begin : 573TM2720N1216882 **End :** 573TM2120N1217359 Not sequential

Description of Defect :

Description of the Defect : The defect involves the 110-volt power supply wire that was incorrectly wired directly into the solar inverter output port. This supply wire should have been wired to an outlet that the solar inverter plugs into. Wired to the output port creates the potential for a current overload to the circuit. As a result the potential exists for an overheated inverter and power supply line.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Direct power to the inverter through the outlet port creates the potential to overload the circuit, resulting in the potential for a fire.

Description of the Cause : The 110V power supply line was incorrectly wired to the output port of the solar inverter. This supply line should have been wired to a power outlet that powers the solar inverter.

Identification of Any Warning that can Occur : Failure can be preceded by a strong odor of melting plastic from the area where the inverter is installed.

Involved Components :

Component Name 1 : WFCO

Component Description : 1k Watt Solar Inverter

Component Part Number : WF-5110RS

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

- 6/7/22 - Grand Design notified of a thermal event involving a WFCO a solar inverter installed on a vehicle at Bretz RV. The root cause was determined to be incorrect 110V wiring to the inverter. This inverter was a substituted component and not the typical solar inverter used for this product line.
- 6/8/22 - Grand Design pulled the scope of trailers using this substitute inverter. It was determined the concern was isolated to Momentum Travel Trailers built on line 2 between November 8, 2021, and January 24, 2022. Subsequent investigation of suspect vehicles confirmed that the substitute inverter was wired incorrectly.
- 6/14/22 - Grand Design finalized the unit scope. The Product Safety Review Committee was informed, and a formal meeting was scheduled.
- 6/21/22 - The Product Safety Review Committee determined a recall field action was required to address this safety concern.

Description of Remedy :

Description of Remedy Program : On affected vehicles, the dealer will remove the 110V power wire to the solar inverter outlet port and run this line to a 110-volt outlet. The inverter output will be wired correctly to function as an output feed. The inverter is then plugged into the outlet for power. 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 :

There is no component replacement involved in this recall.

Identify How/When Recall Condition was Corrected in Production :

The substitute inverter was replaced with the standard inverter in production. Inspection and verification of proper wiring has been added to the daily audit check sheet and is being monitored in production daily. Electrical installers on line have also been retrained on proper wiring of this component.

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 : JUL 18, 2022 - JUL 20, 2022

Planned Owner Notification Date : JUL 25, 2022 - JUL 27, 2022

* NR - Not Reported