

# Part 573 Safety Recall Report

## 22V-038

**Manufacturer Name :** Grand Design RV, LLC**Submission Date :** FEB 02, 2022**NHTSA Recall No. :** 22V-038**Manufacturer Recall No. :** 910026**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 : 43,421

Estimated percentage with defect : 5 %

**Vehicle Information :**

Vehicle 1 : 2013-2021 Grand Design RV Momentum, Solitude &amp; Reflection

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

**Descriptive Information :** Recall population was determined based on how the 110V Romex wire was routed through the refrigerator cavity on gas absorption refrigerators. Other products either do not have gas absorption refrigerators or the 110V Romex wire is routed outside of the refrigerator cavity. There is a total of 43,421 Solitude, Momentum & Reflection vehicles produced from 1/1/13 to 6/3/21.

**Production Dates :** JAN 01, 2013 - JUN 03, 2021

VIN Range 1 : Begin :	573FS3821D1100001	End :	573FS3628K1112436	<input checked="" type="checkbox"/> Not sequential
VIN Range 2 : Begin :	573FM4021E1100707	End :	573FM4021M1120194	<input checked="" type="checkbox"/> Not sequential
VIN Range 3 : Begin :	573FM4023F1201300	End :	573FM4338K1208113	<input checked="" type="checkbox"/> Not sequential
VIN Range 4 : Begin :	573FR3322E1200001	End :	573FR3328F1200988	<input checked="" type="checkbox"/> Not sequential
VIN Range 5 : Begin :	573FR3327E3300003	End :	573FR3624L3329435	<input checked="" type="checkbox"/> Not sequential
VIN Range 6 : Begin :	573FR3624L9907143	End :	573FR3722M9914950	<input checked="" type="checkbox"/> Not sequential
VIN Range 7 : Begin :	573FS4329LAA00002	End :	573FS3627MAA06940	<input checked="" type="checkbox"/> Not sequential
VIN Range 8 : Begin :	573FS3620K9900001	End :	573FS4321L9907096	<input checked="" type="checkbox"/> Not sequential

## Description of Defect :

Description of the Defect : On certain Momentum, Solitude and Reflection Grand Design Recreational Vehicles equipped with gas absorption refrigerators, a 110v wire located in the refrigerator cabinet may detach over time from its retainer. If this were to occur, the potential exists for the wire to make contact with the cooling unit of the refrigerator. Heat from the cooling unit could melt through the wire insulation and expose the copper wire. The exposed copper wire could then contact the refrigerator cooling unit causing an electrical arc that may burn through the cooling unit tube, creating the potential for a fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event that the 110V wire makes contact with the refrigerator cooling unit the potential exists for an electrical arc that could burn through the cooling unit tube, creating the potential for a fire.

Description of the Cause : In applications where the 110V Romex wire runs diagonally through the refrigerator cavity, the wire is secured to the inside of the sidewall. The potential exists for the securement to fail over time due to road vibration. If the securement fails, the potential exists for the 110V Romex wire to make contact with the cooling unit of the refrigerator. The heat from the cooling unit may compromise the wire insulation, resulting in an electrical arc that may result in a fire.

Identification of Any Warning that can Occur : In some instances, the circuit breaker supplying power to the microwave may trip repeatedly.

## Involved Components :

Component Name 1 : WGCU 12/2 Solid Wire

Component Description : 12/2 Romex/CSA WG CU wire with ground

Component Part Number : 410050

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

On November 2, 2021, Grand Design Customer Service was contacted by NHTSA regarding a series of complaints centered around the 110-Volt wire in the refrigerator cabinet coming in contact with the heated cooling unit tube. This allowed the insulation to melt leaving potential for the wire to contact the burner tube. On November 4, 2021, Grand Design began performing due diligence to determine the frequency and scope of the concern. NHTSA followed up with Grand Design on November 10, 2021 with a VOQ citing the same concern. December 3, 2021, Grand Design notified NHTSA we were finalizing our research and would be communicating our intent after January 1, 2022. January 3, 2022, Grand Design completed our due diligence regarding the scope of affected units and remedy determination. On January 25th, we convened our Executive Product Safety Review Committee where it was decided to launch a product safety recall action.

## Description of Remedy :

Description of Remedy Program :	On affected vehicles, the dealer will access the 110-Volt wiring by removing the exterior lower vent cover for the refrigerator. The dealer will inspect the wiring to ensure there is no damage present. If the wiring is damaged it will be replaced. Any damaged wiring along with undamaged wiring will have additional securement to the exterior wall utilizing screw mount cable tie(s) that will remove any excess wire slack and assure securement away from the burner tube. Owners that have paid to have this service performed will be reimbursed by Grand Design.
How Remedy Component Differs from Recalled Component :	If the 110-Volt wire has sustained damage, it will be replaced with an identical wire and will have additional securement to assure that the wire cannot come in contact with the cooling unit. Wires that have not sustained damage will receive additional securement as well.
Identify How/When Recall Condition was Corrected in Production :	Effective June 1, 2021, production initiated the process of additional securement of the 110-Volt wiring to the exterior wall of the refrigerator cavity, securing the wire away from the burner tube. Where possible the 110V wire was either rerouted away from the cooling unit or a false panel installed to prevent the potential for contact.

## Recall Schedule :

Description of Recall Schedule :	Owners of affected vehicles will be notified by First Class mail that their vehicle is affected by this 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 instructions and vehicle identification information.
Planned Dealer Notification Date :	FEB 14, 2022 - FEB 16, 2022
Planned Owner Notification Date :	FEB 21, 2022 - FEB 23, 2022

\* NR - Not Reported