

Part 573 Safety Recall Report

20V-523

Manufacturer Name : Grand Design RV, LLC**Submission Date :** AUG 28, 2020**NHTSA Recall No. :** 20V-523**Manufacturer Recall No. :** 910021**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 : 8,161

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2017-2021 Grand Design Solitude

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : Defect involves the routing of the LP supply line through the exterior lower refrigerator compartment. Recall population was determined by Solitude models where the LP supply line may not have been properly secured away from the burner tube of the refrigerator. Products not included in the recall had the LP supply line routed a safe distance away from the burner tube of the refrigerator. The recall affects 8,161 2017 through 2021 Grand Design Solitude models produced from 8/18/16 through 7/30/20.

Production Dates : AUG 18, 2016 - JUL 30, 2020

VIN Range 1 : Begin : 573FS3628H1107164 End : 573FS3628K1112436

 Not sequential

VIN Range 2 : Begin : 573FS3620K9900001 End : 573FS4222L9907142

 Not sequential

VIN Range 3 : Begin : 573FS3624LAA00001 End : 573FS3625MAA02028

 Not sequential**Description of Defect :**

Description of the Defect : On affected vehicles, the LP supply line that runs through the exterior lower refrigerator compartment may be insufficiently secured away from the burner tube of the refrigerator. In the event of contact with the burner tube, the rubber LP supply line may become damaged to the point where the possibility of a LP gas leak may occur. In the event of a LP gas leak, the potential exists for a fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event that the LP supply line sustains heat damage from the burner tube of the refrigerator, the potential exists for a LP gas leak that could result

Description of the Cause : in a fire.
The LP supply line may not have been properly secured away from the burner tube of the refrigerator. The single P-clamp used to secure the LP supply line may be insufficient to prevent the LP supply line from moving too close to the burner tube over time.

Identification of Any Warning that can Occur : Visible heat damage to the LP supply line may be present. Depending on the extent of the damage to the supply line the odor of LP gas could be present.

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 :

3/3/20 - Grand Design has a conference call with NHTSA staff regarding refrigerator thermal events based on submitted field reports. Probable root causes were discussed. (COVID delay) 5/4/20 - NHTSA staff requests additional data and information on specific vehicles. Information was supplied same day. 6/3/20 - Coordinated teleconference call between Norcold (refer manufacturer) and Grand Design (at NHTSA's request). 7/20/20 - Conference call with Norcold to discuss field reports and possible root causes. 7/22/20 - Teleconference with NHTSA, Norcold & Grand Design. Discussed due diligence findings from Grand Design. Concluded that the LP supply line routing on certain Solitude models as most probable root cause. 8/11/20 - Discussed additional finding and recall scope with NHTSA. 8/18/20 - NHTSA requests status teleconference. 8/25/20 - Grand Design conducts a product Safety Review Committee meeting. All data and findings are reviewed in detail. Decision is made to launch a product safety recall.

Description of Remedy :

Description of Remedy Program :	On affected vehicles, the dealer will access the LP supply line by removing the exterior lower vent cover for the refrigerator. The dealer will inspect the LP supply line for damage. If the line is damaged it will be replaced. Any line that is replaced, along with any line that shows no damage, will be wrapped in a thermal foil heat barrier material, then re-secured away from the burner tube of the refrigerator with additional P-clamps.
How Remedy Component Differs from Recalled Component :	If the LP supply line has sustained damage, it will be replaced with an identical line. However, the replaced line will be wrapped with a thermal foil heat barrier material and be secured away from the burner tube of the refrigerator with additional P-clamps.
Identify How/When Recall Condition was Corrected in Production :	Effective 8/3/20, Grand Design initiated the process of re-routing the LP supply line in the exterior refrigerator compartment away from the burner tube assembly on all vehicles. There is no longer any possibility of the LP supply line coming in contact with the burner tube.

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 information and vehicle identification information.
Planned Dealer Notification Date :	SEP 28, 2020 - SEP 30, 2020
Planned Owner Notification Date :	SEP 30, 2020 - OCT 02, 2020

* NR - Not Reported