

Part 573 Safety Recall Report

22V-308

Manufacturer Name : Grand Design RV, LLC**Submission Date :** MAY 06, 2022**NHTSA Recall No. :** 22V-308**Manufacturer Recall No. :** 910029**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 : 34,021

Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2022-2022 Grand Design RV Imagine, Reflection, Momentum, Solitude & Transcend

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : The recall population was based on purchase orders provided by Enerco Flex Tech, the component provider. Not all models in the Grand Design scope utilize the Enerco Flex Tech quick disconnect. There are a total of 34,021 units in the recall scope, comprised of select Imagine, Momentum, Reflection, Solitude and Transcend units.

Production Dates : JUL 06, 2021 - APR 21, 2022

VIN Range 1 : Begin : 573FM4029N1120462	End : 573FM4636N1123044	<input checked="" type="checkbox"/> Not sequential
VIN Range 2 : Begin : 573TR372XN3337317	End : 573FR3127N3342884	<input checked="" type="checkbox"/> Not sequential
VIN Range 3 : Begin : 573TE262XN3423881	End : 573TE2821N3429856	<input checked="" type="checkbox"/> Not sequential
VIN Range 4 : Begin : 573TE3620N6634642	End : 573TE2928N6640906	<input checked="" type="checkbox"/> Not sequential
VIN Range 5 : Begin : 573TT312XN8817628	End : 573TT2923N8823172	<input checked="" type="checkbox"/> Not sequential
VIN Range 6 : Begin : 573FR3721N9915489	End : 573FR3829N9920647	<input checked="" type="checkbox"/> Not sequential
VIN Range 7 : Begin : 573FS442XNAA07381	End : 573FS4228NAA12095	<input checked="" type="checkbox"/> Not sequential
VIN Range 8 : Begin : 573TT3327NDD00973	End : 573TT3323NDD01649	<input checked="" type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : LP Gas Quick disconnects manufactured by Enerco Flex-Tech are cracking under vendor prescribed torque value. In some cases, the cracking may result in a propane leak. Suspect Enerco Flex Tech quick disconnects are part of a larger assembly provided by Flex Tech or may be installed on the production floor. Winnebago Industries or associated brands are not aware of any thermal events related to this defect.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A cracked LP quick disconnect fitting can lead to a propane leak, which increases the risk of a fire. In all cases, suspect fittings are located outside the living quarters of the RV (underneath or at an outside kitchen).

Description of the Cause : When the fitting is tightened, the brass female housing may crack. Root cause has not been identified at this time. It is believed to be related to an interference between the male and female parts in this connection. As part of due diligence, Winnebago Industries is conducting an ongoing independent root cause analysis.

Identification of Any Warning that can Occur : A customer may notice the smell of LP gas near the quick disconnect fitting or visibly notice a crack in the fitting..

Involved Components :

Component Name 1 : LP Quick Disconnect

Component Description : LP Quick Disconnect

Component Part Number : 76290w

Supplier Identification :

Component Manufacturer

Name : Flex-Tech Hose & Tubing, LLC

Address : 1100 Civic Center Loop
San Marcos Texas 78666

Country : United States

Chronology :

In mid-May 2021, Grand Design identified cracked LP quick connect fittings which appear to be production related. Grand Design communicated the issue to the supplier, Enerco Flex Tech. Enerco Flex Tech did not share any potential safety issues, advising the issue appeared to be their quality control/production, and advised they would make process improvement to the component manufacturing. Upon review, no field failures were identified.

Subsequently, over the following approximate 9-10 month period, Grand Design occasionally identified Enerco Flex Tech cracked fitting upon receipt, or during production quality checks. After each finding, Grand Design communicated with the supplier which continued to assure the issue was one of manufacturing quality assurance. Given vendor feedback, Grand Design did not identify a potential safety related concern.

In March 2022, Winnebago Towables identified additional Enerco Flex Tech cracked fittings in production. On April 7, 2022, Winnebago Industries opened an investigation to assess the situation at Grand Design and across its associated companies. Inventory was inspected and warranty claims were analyzed. Approximately mid-April, Winnebago was advised of a pending recall by another OEM regarding a similar issue. On April 18, 2022, Grand Design was able to re-create cracked fittings at specified torque and sent sample parts to a third party engineering consultant for analysis.

On or about April 20, 2022 Enerco Flex Tech advised Winnebago that it was filing a defect report with NHTSA regarding the component and issue. About May 3, 2022 Grand Design's third party engineering consultant offered the tentative opinion that the cause of the cracks is over tightening of the transition fitting between the valve body and manifold by the supplier during their manufacturing process. That same day Winnebago's product safety committee met and decided to file a defect information report with NHTSA.

Description of Remedy :

Description of Remedy Program :	All suspect components will be replaced with new components with different design.
How Remedy Component Differs from Recalled Component :	Torqueing the recalled quick-disconnect to the required vendor specification introduces the risk of cracking. Replacement quick-disconnects are from another manufacturer and do not crack under the required torque value.
Identify How/When Recall Condition was Corrected in Production :	All Enerco Flex-Tech quick-disconnect components were immediately pulled from the production floor and replaced with a different quick disconnect supplier.

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 :	MAY 23, 2022 - MAY 25, 2022
Planned Owner Notification Date :	MAY 25, 2022 - MAY 27, 2022

* NR - Not Reported