

# Part 573 Safety Recall Report

# 20V-362

**Manufacturer Name :** Grand Design RV, LLC**Submission Date :** JUN 30, 2020**NHTSA Recall No. :** 20V-362**Manufacturer Recall No. :** 910020**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 : 22,797

Estimated percentage with defect : 30 %

**Vehicle Information :**

Vehicle 1 : 2016-2019 Grand Design Reflection

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

**Descriptive Information :** Recall involves the securement of Molex connectors in the underbelly of the vehicle which act as a junction for 110 Volt wiring. Recall population was determined by when Molex connectors were used in this product and may not have been properly secured to keep them away from the bottom of the underbelly. Beginning November 1, 2018 Grand Design implemented a devise to properly secure all Molex connectors in the underbelly so they could not reach the low point (or bottom) of the underbelly. The recall affects 22,797 2016 through 2018 Grand Design Reflection fifth-wheel and travel trailer models produced from 4/2/15 through 10/31/18.

**Production Dates :** APR 02, 2015 - OCT 31, 2018VIN Range 1 : Begin : 573FR3320G3303151 End : 573FR3729K3322591  Not sequentialVIN Range 2 : Begin : 573TR3728G3303251 End : 573TR382XK3322617  Not sequentialVIN Range 3 : Begin : 573FR3522H3404559 End : 573FR3526K3410940  Not sequentialVIN Range 4 : Begin : 573TR3428K3410149 End : 573TR3621K3410927  Not sequential

Vehicle 2 : 2016-2019 Grand Design Reflection

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

**Descriptive Information :** Recall involves the securement of Molex connectors in the underbelly of the vehicle which act as a junction for 110 Volt wiring. Recall population was determined by when Molex connectors were used in this product and may not have been properly secured to keep them away from the bottom of the underbelly. Beginning November 1, 2018 Grand Design implemented a devise to properly secure all Molex connectors in the underbelly so they could not reach the low point (or bottom) of the underbelly. The recall affects 22,797 2016 through 2019 Grand Design Reflection fifth-wheel and travel trailer models produced from 4/2/15 through 10/31/18.

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VIN Range 4 : Begin :	573TR3428K3410149	End :	573TR3621K3410927	<input type="checkbox"/> Not sequential

## Description of Defect :

**Description of the Defect :** On affected vehicles, the Molex connectors may be resting on the bottom of the underbelly material because they may not have been properly secured. In the event of water intrusion into the underbelly area, water may accumulate on the bottom of the underbelly and come in contact with the Molex connector. If the Molex connector is subject to contact with water the potential exists for a short circuit and possible fire.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** In the event that the Molex connectors in the underbelly come in contact with water, the potential exist for a short circuit and possible fire.

**Description of the Cause :** The Molex connectors on affected units may not have been properly secured and over time may eventually find their way to the bottom of the underbelly material where they could possibly short circuit if water intrusion were to occur.

**Identification of Any Warning that can Occur :** If the Molex connector was to short circuit, the circuit powered by this connection could cause circuit interruption.

## 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 :

2/13/20 - Grand Design is contacted by NHTSA regarding thermal events in the underbelly area on Reflection products based on Field Reports submitted by Grand Design.

3/3/20 - Teleconference conducted with NHTSA staff. Discussed various Field Reports regarding electrical issues in the underbelly on Reflection vehicles. Provided internal data and findings along with probable causes.

3/5/20 - NHTSA requests additional information pertaining to underbelly thermal events. Information provided as requested.

3/19/20 - Additional information requested by NHTSA on subject condition. Information provided as requested.

3/23/20 - Grand Design requests additional time for internal investigation. Experienced response time delays due to Covid-19 shutdown.

5/18/20 - NHTSA follows up with Grand Design for status on intended actions. Information provided as requested.

5/28/20 - Further conversation with NHTSA with focus on wire securement and more specifically the Molex connectors.

6/9/20 - Comprehensive review with NHTSA regarding securement of Molex connectors and reported incidents. NHTSA also requested additional information, which was provided.

6/10/20 - Grand Design completes investigation specific to Molex connector securement in the underbelly area. Also had a brief discussion with NHTSA.

6/16/20 - Grand Design conducts a Product Safety Review Committee meeting. All five (5) Field Reports and other data collected are reviewed in detail. Decision is made to launch a product safety recall.

6/17/20 - Contacted NHTSA to inform of our decision to move forward with filing a Part 573 for this issue.

## Description of Remedy :

**Description of Remedy Program :** On affected vehicles, the dealer will drop the underbelly at the location of the Molex connectors and inspect for proper securement away from the bottom of the underbelly material. If not properly secured, dealers will bundle the connectors together with a zip tie and secure the bundle to either the underside of the floor or to a frame cross member. Owners that have paid to have this service performed will be immediately reimbursed by Grand Design.

**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 :** Effective November 1, 2018, Grand Design began installing a Molex connector fastening devise to all vehicles. This devise assures that the Molex connectors are properly secured away from the bottom of the underbelly material. Production line auditors confirm proper installation of this devise on a daily basis on all production lines.

## 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 :** JUL 22, 2020 - JUL 24, 2020

**Planned Owner Notification Date :** JUL 27, 2020 - JUL 29, 2020

\* NR - Not Reported