

Part 573 Safety Recall Report

24V-786

Manufacturer Name : Brinkley RV**Submission Date :** OCT 28, 2024**NHTSA Recall No. :** 24V-786**Manufacturer Recall No. :** REC-2404**Manufacturer Information :**

Manufacturer Name : Brinkley RV

Address : 1655 Brinkley Way East
GOSHEN IN 46528

Company phone : 574-501-4280

Population :

Number of potentially involved : 1,319

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2024-2025 Brinkley RV Model G

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : The vehicles in the recall population include Model G fifth wheel trailers. It has been decided that solar panels on the vehicles in the recall population were wired in such a way that, in certain circumstances, the electric current from the system can exceed the sustainable capacity of certain components downstream of the panels. Products not included in the recall have been wired in a way to increase operating safety factor of the system components as it relates to the electric current provided. The affected population includes 1319 units sold to US dealers.

Production Dates : FEB 06, 2023 - SEP 09, 2024

VIN Range 1 : Begin : 7TOFG4238RT000004 End : 7TOFG423XRB000205

 Not sequential

VIN Range 2 : Begin : 7TOFG4233RB000207 End : 7TOFG4237RB000209

 Not sequential

VIN Range 3 : Begin : 7TOFG4734RB000211 End : 7TOFG4738RB000325

 Not sequential

VIN Range 4 : Begin : 7TOFG4731RB000327 End : 7TOFG4239SB001383

 Not sequential**Description of Defect :**

Description of the Defect : It has been decided that solar panels on the vehicles in the recall population were wired in such a way that, in certain circumstances, the electric current from the system can exceed the sustainable capacity of certain components downstream of the panels.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : When maximum power is provided by the panel array, and consumed by the RV systems, the electric current produced can exceed the sustained capacity of the system immediately downstream of the panels. In certain

circumstances, this can lead to failure of electric components, increasing the risk of fire.

Description of the Cause : Solar wiring design for the 4-panel system was inadvertently shown with all panels connected in parallel instead of the optimized scenario of series-parallel (2 sets of 2 panels in series then connected in parallel).

Identification of Any Warning that can Occur : Failure may occur at wire connections, leading to a lack of power produced by the solar power system (battery bank not being recharged as expected).

Involved Components :

Component Name 1 : SOLAR BLACK POLYPROPYLENE ROOFTOP ELECTRICAL BOX

Component Description : BOX SOLAR BLACK POLYPROPYLENE ROOFTOP ELECTRICAL BOX MC4 CONNECTORS AND LEADS RICH SOLAR

Component Part Number : RS-G02

Component Name 2 : SOLAR PANEL 200W

Component Description : SOLAR PANEL 200W 58 3/4 X 26 3/4 BLACK RIGID MONOCRYSTALLINE RICH SOLAR

Component Part Number : RS-M200

Supplier Identification :

Component Manufacturer

Name : Patrick Industries

Address : 107 W. Franklin Street
Elkhart Indiana 46517

Country : United States

Chronology :

On 9/9/24, a Model G unit was delivered to Brinkley RV (BRV) Customer Care with a reported wiring concern. Upon inspection, the BRV team identified the solar power system as the source of the issue, and immediately launched an investigation. As part of the investigation, a total of 13 potentially affected units were identified. BRV conducted on-site inspections of two units (9/25/24-9/26/24, 10/15/24) as well as internal testing. BRV Product Safety Committee met on 10/17/24 to review the available data, and determined that a potential safety risk was present. The committee voted to issue a Recall for the affected units, upon issuance of the final

testing report (week of 10/21/24), pending alignment of test data and field investigations. Recall was initiated on 10/21/24.

Description of Remedy :

Description of Remedy Program : Detailed Work Instructions and parts kits will be provided to dealers (and in some cases Independent Service Providers). Costs for the remedy applied to all affected units will be covered by Brinkley RV and the Solar component supplier, Rich Solar. Owners who have previously paid to have this remedy performed will, upon documentation of the work, be immediately reimbursed by Brinkley RV.

How Remedy Component Differs from Recalled Component : Upon completion of the recall work, the solar power system will be wired in a Series-Parallel scenario, as opposed to the completely Parallel wiring setup previously used.

Identify How/When Recall Condition was Corrected in Production : Effective with VIN SB001384, the change to Series-Parallel wiring was implemented into Model G production.

Recall Schedule :

Description of Recall Schedule : Brinkley will notify the dealers and owners of the recreational vehicles by e-mail. Owners will also receive a hard copy letter by mail. A final copy of the owner letter will be provided to NHTSA, along with the repair procedures. Dealers will also be notified via the Brinkley Dealer Portal, and Owners will be notified through social media.

Planned Dealer Notification Date : OCT 25, 2024 - NOV 01, 2024

Planned Owner Notification Date : OCT 29, 2024 - NOV 19, 2024

* NR - Not Reported