

Part 573 Safety Recall Report

24V-476

Manufacturer Name : Brinkley RV**Submission Date :** JUN 25, 2024**NHTSA Recall No. :** 24V-476**Manufacturer Recall No. :** REC-2402**Manufacturer Information :**

Manufacturer Name : Brinkley RV

Address : 1655 Brinkley Way East
GOSHEN IN 46528

Company phone : 574-501-4280

Population :

Number of potentially involved : 3,157

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2024 Brinkley RV Model Z

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : The vehicles in the recall population include Model Z fifth wheels and Model Z-Air travel trailers. Within the 12 V system of the included units, there may be a lack of overcurrent protection (wiring connected to the non-protected side of the mini-breakers). A portion of the recall population also includes incorrect size wiring for a certain application (12V refrigerator). Products not included in the recall have been excluded as they were built to different specifications. The affected population includes 2892 units sold to US dealers and 265 units sold to Canadian dealers.

Production Dates : MAY 01, 2022 - APR 23, 2024

VIN Range 1 : Begin : 7T0FZ3629PT000001 End : 7T0FZ3620RA003058

 Not sequential

VIN Range 2 : Begin : 7T0TA3520RC000001 End : 7T0TA3527R1000105

 Not sequential**Description of Defect :**

Description of the Defect : Within the 12 V system of the included units, there may be a lack of overcurrent protection (wiring connected to the non-protected side of the mini-breakers). A portion of the recall population also includes incorrect size wiring for the 12V refrigerator.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : There is an increased risk of thermal event (fire) in an over-current scenario of the unprotected line and/or under maximum consumption loading through the undersized wire for the 12v refrigerator.

Description of the Cause : Identified wires (including the 6 gauge Travel Mode wire) were inadvertently specified for connection to the unprotected side of the mini-breaker block,

eliminating the over-current protection provided by the mini-breaker for the subject circuits. In addition, the wire size for the 12V refrigerator was under-sized for the maximum consumption loads that can be seen by this appliance.

Identification of Any Warning that can Occur : Multiple component failures may be a warning sign of inadequate over-current protection on the associated circuits. Also, low battery readings can be a significant contributor to 12V fridge failure, so low voltage readings on the battery monitor would likely be a precursor to high current loads (and potential over-loading of the wire).

Involved Components :

Component Name 1 : Multiple electrical components (raw materials)

Component Description : Raw electrical conductors (wires), along with associated connectors and protective devices (mini breakers).

Component Part Number : multiple

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On 5/3/24, through standard Brinkley RV Safety/Quality escalation procedures, the Customer Care Center identified a Claim with multiple component failures. An investigation was opened on 5/3/24. Initial investigations indicated potential concerns with over-current protection and refrigerator wiring size, although predicted failures were not replicated through extensive testing efforts. Interim findings were reviewed with the Brinkley Safety Committee on 5/31/24. The Safety Committee directed the testing team to continue testing all reasonably replicated scenarios. The testing team published a final report dated 6/19/24 indicating that despite lack of consistent failures in testing, the potential for safety-related failures still exists in the subject population, and investigations confirmed code compliance and regulatory precedent to further pursue a remedy. A formal recall is being initiated on 6/25/24.

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) to correct the improperly routed conductors and replace the undersized wires. Costs for the remedy applied to all affected units (whether or not they are currently covered under standard warranty) will be covered by Brinkley RV. 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 : After completion of the Recall work, all conductors will be connected properly to the mini-breakers for improved over-current protection, and the 12V refrigerator wire will be upgraded to ensure proper operation under all expected loading conditions.

Identify How/When Recall Condition was Corrected in Production : Consistent with the wiring schemes used in the Recall documentation, diagrams have been supplied to the production teams to ensure proper over-current protection and wiring size.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : JUN 28, 2024 - JUL 11, 2024

Planned Owner Notification Date : JUL 02, 2024 - JUL 30, 2024

* NR - Not Reported