

Part 573 Safety Recall Report

23V-569

Manufacturer Name : Alliance RV, LLC**Submission Date :** JAN 17, 2024**NHTSA Recall No. :** 23V-569**Manufacturer Recall No. :** n/a, will use yours.**Manufacturer Information :**

Manufacturer Name : Alliance RV, LLC

Address : 301 Benchmark Drive

Elkhart IN 46516

Company phone : 1-574-218-7165

Population :

Number of potentially involved : 60

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2024 Alliance Paradigm 295MK; 310RL; 340RL; 370FB; 382RK; 385FL; 390MP; 395DS

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : During a PDI audit, it was identified that if power is taken away from the RV and the breakaway switch engaged, it would not energize the brakes of the RV to stop it in a detach scenario. The power to keep the breakaway switch energized in a detach scenario was coming from the tow vehicle instead of the house batteries. The recalled population differs from others in that this population has hydraulic disc brakes (an option that has an actuator and requires different wiring than a standard drum brake RV). There are a total of 68 RVs in scope (60 being recalled as 8 of them are being fixed here prior to shipping. These range from model year 2023 to 2024 and are on the following models. 295MK; 310RL; 340RL; 370FB; 382RK; 385FL; 390MP; 395DS

Production Dates : JAN 30, 2023 - AUG 07, 2023

VIN Range 1 : Begin : 7M5FP422XPB202950 End : 7M5FP4320RB203753 Not sequential**Description of Defect :**

Description of the Defect : The breakaway switch that normally has power from the house batteries and allows the brakes to engage upon being detached does not. The wiring was such that the only power source for the breakaway switch came from the tow vehicle. Due to this defect in wiring, in a situation that the tow vehicle detaches from the trailer, the trailer brakes would not engage to assist in stopping the tow vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The RV would not engage it's brakes upon detaching form the tow vehicle.

Description of the Safety Risk : This would mean a detached trailer would continue to stay in motion until it came in contact with something and potentially causing an accident.

Description of the Cause : The cause is that the power source going to the breakaway switch was not coming from the house batteries but coming from the tow vehicle instead. This does not allow the brakes on the trailer to engage properly in a detach scenario.

Identification of Any Warning that can Occur : In the case that the breakaway switch is pulled and a tow vehicle not connected, the trailer brakes would not engage.

Involved Components :

Component Name 1 : wire

Component Description : breakaway switch wiring

Component Part Number : n/a

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On 8/9/2023, a defect was found in the wiring in certain Alliance RV Paradigm 5th wheels. This defect was identified when the breakaway switch was being tested for brake engagement in case the RV were to detach from the tow vehicle. Immediately upon finding this defect, the wiring was inspected and the issue found. This prompted us to pull a scope of all vehicles that fell into this specific criteria (68). Of those 68 vehicles, 60 of them have previously shipped from Alliance RV to the customer. Product here is currently on hold, the 8 of them in this scope have been quarantined and will be fixed prior to shipping.

Description of Remedy :

Description of Remedy Program : The remedy will be to run power from the house batteries to the breakaway cable. This will allow the RV to energize the brakes upon becoming detached from the tow vehicle.

How Remedy Component Differs from Recalled Component : The remedied component will have a power line ran from the battery to the breakaway switch. The recalled / non remedied component will not have this power source but rather the tow vehicle, thru the tow plug, will be powering the brake actuator.

Identify How/When Recall Condition was Corrected in Production : The recall condition was corrected in production with an immediate wiring change which provides power to the breakaway switch from the house batteries instead of coming from the tow plug / tow vehicle. The correction was made on 8/9/2023 and any RVs with this specific option will be wired properly.

Recall Schedule :

Description of Recall Schedule : Alliance RV has found the defect, the correction has been identified. We will immediately start on written repair instructions and notification letters to be submitted for approval for distribution.

Planned Dealer Notification Date : OCT 10, 2023 - OCT 10, 2023

Planned Owner Notification Date : OCT 10, 2023 - OCT 10, 2023

* NR - Not Reported