

Part 573 Safety Recall Report

23E-087

Manufacturer Name : Kibbi, LLC**Submission Date :** NOV 09, 2023**NHTSA Recall No. :** 23E-087**Manufacturer Recall No. :** NR**Manufacturer Information :****Manufacturer Name :** Kibbi, LLC**Address :** 52218 State Route 15
Bristol IN 46507**Company phone :** 574-966-0196**Population :****Number of potentially involved :** 122**Estimated percentage with defect :** 100 %**Equipment Information :****Brand / Trade 1 :** Multiplex**Model :** HC Relay Card**Part No. :** 70516J**Size :** 4.75 inches x 3 inches**Function :** NR

Descriptive Information : 2 reports of damaged relays were found on a card within the ECM. After reviewing the damaged hardware and its designed usage, it was determined that combined outputs were incorrectly utilized. This error only affects the hardware for 2023 model year which started on April 17. Previous model years were designed differently and will not be exposed to the potential failure. There are a total of 122 cards that were shipped incorrectly.

Production Dates : APR 17, 2023 - SEP 27, 2023**Description of Defect :****Description of the Defect :** A solder bridge could be formed causing a dead short.**FMVSS 1 :** NR**FMVSS 2 :** NR**Description of the Safety Risk :** On power up, a dead short could take place introducing a risk of thermal event.**Description of the Cause :** Because 2 outputs were combined to support a motor load, if both outputs failed to engage at the same time, a solder bridge could be formed causing a dead short.**Identification of Any Warning that can Occur :** NR

Involved Components :

Component Name : HC Relay Card

Component Description : Blue 4.75in x 3in card within the ECM.

Component Part Number : 70516J

Supplier Identification :**Component Manufacturer**

Name : Firefly Intergrations

Address : 1013 Elroy Drive
Middlebury Indiana 46540

Country : United States

Chronology :

On 9/26/2023, Renegade notified Firefly Int. of a potential issue they had discovered in damaged relay boards on the ECM. Firefly began an investigation into the issue and were able to determine the issue on 9/27/2023.

Description of Remedy :

Description of Remedy Program : To remedy the issue output wires 2,4, & 6 need to be eliminated on connector C25 of the M1 ECM. Once wires have been eliminated, files need to be updated through the touchscreen. All manufactures reimbursement will be sent to Firefly Int. who will be reimbursing 4.75 hours.

How Remedy Component Differs from Recalled Component : The remedied component only has 1 output powering the motor load and has updated files to support this function.

Identify How/When Recall Condition was Corrected in Production : Once the remedy to terminate wires on C25 of the M1 ECM and update the files was determined on 9/27/2023, Firefly began updating units in Production at Renegade on 9/29/2023. Firefly completed the Production units on 10/2/2023. The same remedy was instituted on all units going forward.

Recall Schedule :

Description of Recall Schedule : Dealers were notified by phone the week of 10/16/23 and Firefly began to campaign to personally fix each unit at dealer locations. By 10/27/23,

all dealer units were updated. The week of 10/16/23, retail customers were notified by phone of the issue and were told how to avoid it until the recall could be completed. By 11/26/23, customers will have the recall letter delivered to them.

Planned Dealer Notification Date : NOV 09, 2023 - NOV 10, 2023

Planned Owner Notification Date : NOV 09, 2023 - NOV 25, 2023

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported