Part 573 Safety Recall Report 24V-745

Manufacturer Name : Honda (American Honda Motor Co.)
Submission Date : NOV 05, 2024
NHTSA Recall No. : 24V-745
Manufacturer Recall No. : HJR

Manufacturer Information :

Manufacturer Name : Honda (American Honda Motor Co.)
Address : 1919 Torrance Blvd.
Torrance CA 90501
Company phone : 1-888-234-2138

Population :

Number of potentially involved : 98
Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2023-2023 Honda CR-V Hybrid
Vehicle Type : LIGHT VEHICLES
Body Style : SUV
Power Train : HYBRID ELECTRIC
Descriptive Information : The recall population was determined based on manufacturing records. The production range reflects all possible vehicles that could experience the problem.
Production Dates : OCT 06, 2022 - JAN 24, 2023
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect : Due to manufacturing variations, some battery cell negative terminals within the Li-ion battery module were produced with inadequate copper cladding residual thickness, which can lead to fractured cladding that potentially allows the underlying aluminum to react with the battery's electrolyte and form an alloy. If the alloy formation sufficiently progresses, it can result in the battery cell terminal or busbar breaking.

FMVSS 1 : NR
FMVSS 2 : NR

Description of the Safety Risk : If the negative terminal or busbar breaks, users will be unable to drive the vehicle. If the breakage occurs while the battery is energized, a spark may occur, increasing the risk of a fire, crash, and/or injury.

Description of the Cause : Due to manufacturing variations in the clad material and terminal tube, negative terminals with a thin copper residual thickness were produced. During the process that swags the terminals to the battery cell sealing plate, the copper ductile can fracture and a portion of the underlying aluminum can become exposed. The exposed aluminum reacts with electrolyte in the battery cell, resulting in formation of a Li-Al alloy that can deteriorate the sealing

	property at the swaging point and lead to further electrolyte leakage and alloying. When sufficient alloying occurs, it can result in the terminal or busbar breaking.
Identification of Any Warning that can Occur :	NR

Involved Components :

Component Name 1 :	SET, BATTERY MODULE
Component Description :	SET, BATTERY MODULE
Component Part Number :	1D100-69F-A00

Supplier Identification :

Component Manufacturer

Name :	Panasonic Automotive Systems Co., Ltd.
Address :	17F, Leatop Plaza No.32 Zhujiang East Road Zhujiang New Town, Guangzhou Foreign States 510627
Country :	China

Chronology :

January 17-25, 2023
The battery module supplier reported to Honda that battery cell leakage was found during an inspection. Honda and the supplier began to investigate and analyze the issue.

February 13, 2023
The supplier initiated progress reports to Honda on the issue.

June 30, 2023
Honda conducted an initial evaluation of the cell leakage and found there was no concern of ignition by sparks from switches, gas poisoning, or electric shock.

January 17 – February 2, 2024
The supplier reported to Honda the possibility that the terminal may rupture; Honda continued to investigate the issue.

May 8, 2024
The supplier reported to Honda the possibility that the busbar may disconnect as a result of the leakage. Honda

incorporated the new information into it and continued analysis of the issue.

September 9, 2024
Honda further analyzed and evaluated the issue.

September 26, 2024
Honda determined that a defect related to motor vehicle safety existed and decided to conduct a safety recall.

As of September 26, 2024, Honda has had no warranty claims, and no reports of injuries or deaths related to this issue.

Description of Remedy :

Description of Remedy Program :	Registered owners of all affected vehicles will be contacted by mail and asked to take their vehicle to an authorized Honda dealer. The dealer will replace the battery module with an improved part. Owners who have paid to have these repairs completed at their own expense may be eligible for reimbursement, in accord with the recall reimbursement plan on file with NHTSA.
How Remedy Component Differs from Recalled Component :	The remedy components have increased copper residual thickness.
Identify How/When Recall Condition was Corrected in Production :	The supplier implemented changes on November 30, 2023, to increase the copper residual thickness of the negative terminal by increasing the processing volume during the tube formation process and reducing the gas cushion pressure during the terminal press process. To further control residual thickness, the terminal's clad material processing has been improved to reduce variations prior to swaging.

Recall Schedule :

Description of Recall Schedule :	Dealer notification is scheduled to begin and end on or about 10/4/2024. Owner notification is scheduled to begin and end on or about 11/27/2024.
Planned Dealer Notification Date :	OCT 04, 2024 - OCT 04, 2024
Planned Owner Notification Date :	NOV 27, 2024 - NOV 27, 2024

* NR - Not Reported