

Date of Recall submission: **29-Aug-25**

Make	Model	Model Year
MCI	J4500	2023

Internal Reference Number: **N/A**

Transport Canada Recall No.: **2025-445**

Defect or Noncompliance Description: There was inadequate weld penetration on a busbar internal to the module, which caused the busbar to overheat which damaged neighboring components within the battery assembly, including the cells.

Safety Risk / Result: If an inadequate busbar weld starts to fail or separate, and if the current continues to flow through the busbar, abnormal temperatures can be observed, increasing the risk of fire.

Remedy Description: A battery management system software update will detect both uncharacteristic voltage and temperature behavior associated with a loose or high resistance connection (including J-bar) within a battery module or pack and then opens contactors to the associated pack eliminating the flow of current. With the current flow eliminated, the J-bar with poor weld penetration will not continue to generate heat and, therefore, prevents the potential for a thermal runaway in the battery cell. The software is calibrated to open the contactors in the affected pack ("lock-out" the pack) based on voltage and temperature behaviors in advance of conditions that could cause a thermal runaway condition due to overheating of a separated J-bar weld.

- Once a pack is locked out for this issue, the pack will remain locked out until unlocked by an MCI or Freudenberg technician using a secure unlock code after the battery (module) has been checked and/or replaced.
- During a pack lockout, there is no degradation of power or performance; only the vehicle range is affected.
- The vehicle operator would receive a dash display of a string (pack) offline.
- MCI will warrant battery failures related to this J-bar condition for a period of 15 years from the date of this submission.

Precautions prior to remedy, if any: A warning code of "_XP:1_High Voltage Line Open / Fuse Blown String X" in the system diagnostics would currently be noticed prior to an event occurring.

Remedy Material Availability: Remedy programs are being generated and will be available within 3 weeks.

Costs: The remedy for this recall will be performed free of charge to current owners, or for customers that perform the remedy, will be reimbursed via our normal Warranty system process.

Questions: If you have any questions about a **specific vehicle, a recall number, or to report a safety concern**, please send the request to: safetyrecalls@nfigroup.com

In the subject line, please indicate, as applicable:
 -"RECALL INFORMATION - VIN 12345678X87654321", with the Transport Canada recall number YYYY-123 (in the yellow highlighted cell on this page), OR
 -"VEHICLE INFORMATION - VIN 12345678X87654321" OR
 -"SAFETY QUESTION/ISSUE - VIN 12345678X87654321", OR
 -"ADDRESS CHANGE - VIN 12345678X87654321"

If known, please provide the SR and fleet number of the specific vehicle, and any pertinent information to assist in getting a response to you.

Website document last updated: **25-Nov-25**