

SAFETY RECALL
NORTH AMERICA
PHEV Charging Cables



Reference: 98A / NHTSA 23V-623

FCA US LLC



Remedy available for
2023-2024 model year (GG) Dodge Hornet Plug-in Hybrid Electric Vehicles (PHEVs)



Remedy available for
2023-2024 model year (GC) Alfa Romeo Tonale Plug-in Hybrid Electric Vehicles (PHEVs)

Template Version 1.0

Revision	Edition	Detail
2	September 2023	Updated service procedure Steps 4 and 6 regarding cable connections. Note added to Step 8 regarding 12V charging cable cap.

SYMPTOM DESCRIPTION

The 12 Volt (12V) battery positive cable on the Integrated Dual Charging Module (IDCM), as well as the two High Voltage (HV) connections with grounds may have been built with missing or an incorrectly torqued nut on about 5,326 of the above vehicles. A loose 12V battery positive cable and/or high voltage connectors may result in a high resistance in the connection to the IDCM which may lead to a vehicle fire with the ignition on or off. A vehicle fire can result in increased risk of occupant injury and/or injury to persons outside the vehicle, as well as property damage.

Customers are advised to not park these vehicles inside of buildings or structures, or near other vehicles until the vehicle has the repair completed.

SCOPE

This recall applies only to the above Plug-in Hybrid Electric Vehicles (PHEVs).

NOTE: Some vehicles above may have been identified as not involved in this recall and therefore have been excluded from this recall.

IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery. Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

REPAIR TO BE PERFORMED

Inspect and tighten the IDCM cables to the proper torque. Inspect or replace nut on positive cable from 12V Battery to the IDCM and tighten the nut to the proper torque.

ALTERNATE TRANSPORTATION

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that repair is required, and the vehicle must be held overnight.

COMPLETION REPORTING / REIMBURSEMENT

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims paid will be used by FCA to record recall service completions and provide dealer payments.

Use the following labor operation numbers and time allowances:

Labor Description	Number	Hrs
Inspect/Secure IDCM Cables	08-98-A1-82	0.8

Add the cost of the recall parts plus applicable dealer allowance to your claim.

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

PARTS INFORMATION

Part No.	Qty.	Part Name
06107272AA	1	Nut

PARTS RETURN

No parts return required for this campaign.

SPECIAL TOOLS

Number	Description
NPN	wiTECH MicroPod II / MDP
NPN	Laptop Computer
NPN	wiTECH Software
C-4829A	Remover, Trim
2077100080	Kit, HV Circuit Tester Adapter

DEALER NOTIFICATION

To view this notification on DealerCONNECT, select “Global Recall System” on the Service tab, then click on the description of this notification.

OWNER NOTIFICATION / SERVICE SCHEDULING

All involved vehicle owners known to FCA are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers.

VEHICLE LISTS, GLOBAL RECALL SYSTEM, VIP AND DEALER FOLLOW UP

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner’s name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the “**Service**” tab and then click on “**Global Recall System**.” Your dealer’s VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

Dealers must perform this repair on all unsold vehicles before retail delivery. Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.

ADDITIONAL INFORMATION

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services / Field Operations
FCA US LLC.

SERVICE PROCEDURE

Inspect PHEV Cables For Proper Tightness

High Voltage System

When performing repairs that directly involve or imply possible contact with live high voltage components/systems, the technician must ensure that the power supply of the high voltage system is disconnected throughout the operation.

Before performing any repair/diagnostics on the vehicle, carefully read and comply with the general instructions for working safely on hybrid/electric vehicles and use suitable general equipment and personal protective equipment (PPE), referring to:

[Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 12 - Electrified Powertrain System > Warning.](#)

- Before proceeding with the repair, secure the vehicle by cutting off the high voltage power supply. Refer to the procedure:

[Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 12 - Electrified Powertrain System > High Voltage Battery > Standard Procedure > High Voltage Power Down.](#)

- The technician must ensure that no one can restore the high voltage supply by acting on the HVTSM (High Voltage Test Service Module) device while the operation is in progress.

- The technician must check again that the connections in the HVTSM device were not re-established if the vehicle was left unattended during the service operation.

- The loss of insulation test procedure must be performed before re-establishing the high voltage power supply whenever an operation is performed on the high voltage system components/wiring of the vehicle, as described in the procedure:

[Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 12 - Electrified Powertrain System > High Voltage Battery > Standard Procedure > Loss Of Isolation Test.](#)

REMOVAL

1. Remove the support platform. [Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 23 - Body > Decklid/Hatch/Liftgate/Tailgate/Swing Gate > PANEL, Close Out > Removal and Installation > Support Platform.](#)
2. Remove the luggage compartment/load platform oddment compartment. [Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 23 - Body > Interior > HOUSING, Luggage Compartment > Removal and Installation > Oddment Compartment - PHEV.](#)

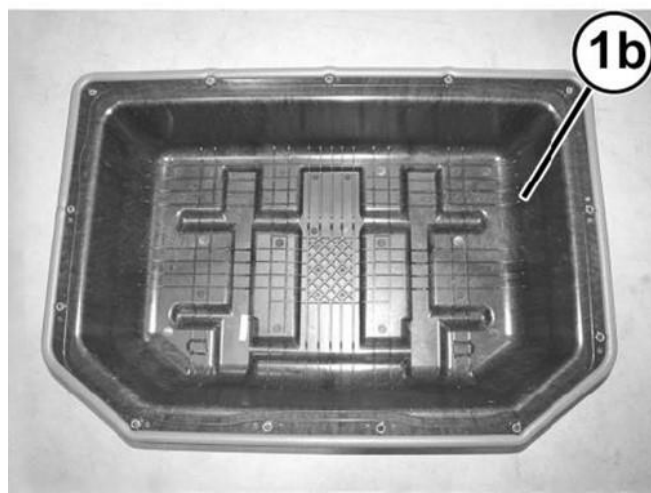
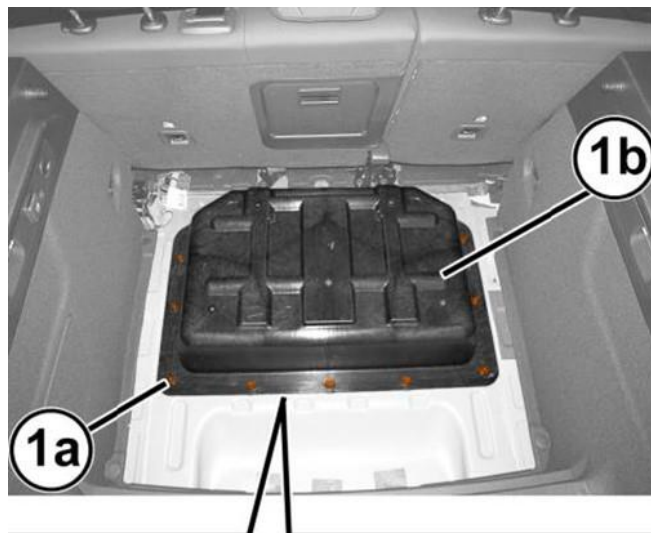
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3. Remove the IDCM guard, undo the fixing screws (1a) along the perimeter and remove the shield (1b).



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SAFETY RECALL

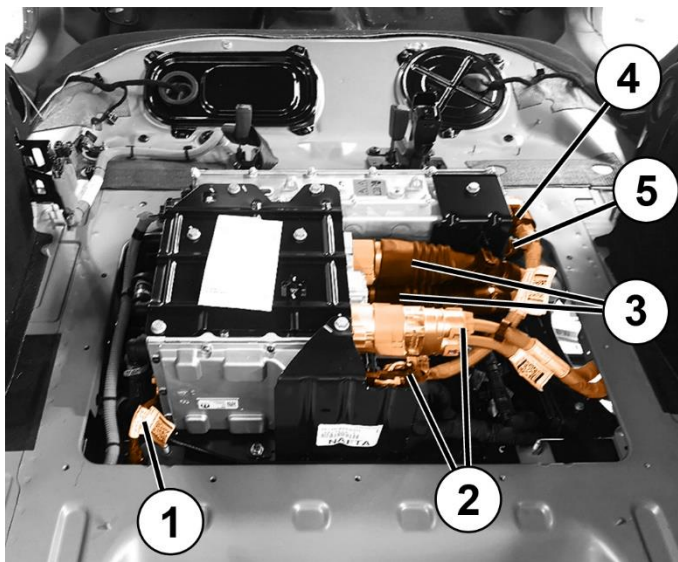
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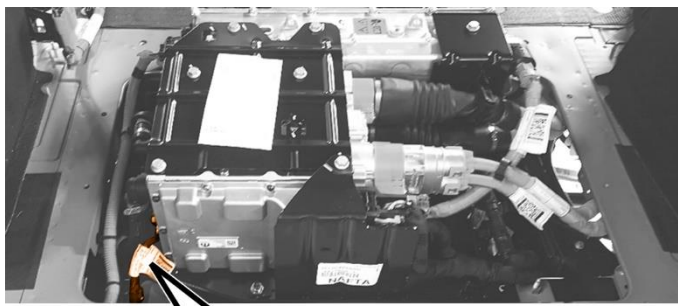
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4. Check that the 5 connections are tightened securely.



5. Check that the ground cable (1) is tightened to the prescribed torque of 15 Nm (11 Ft. Lbs.).



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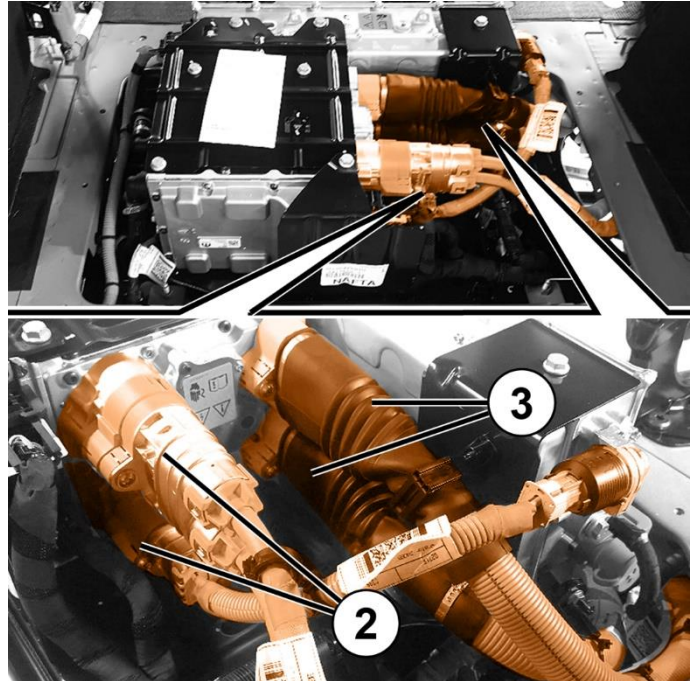
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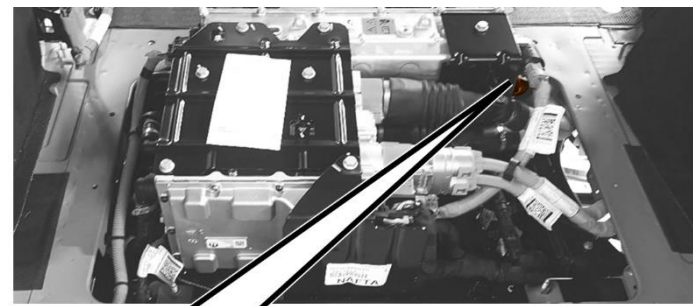
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6. Check that the upper and lower HV connectors (2) and (3) are tightened to the prescribed torque of 9 Nm (80 In. Lbs.).

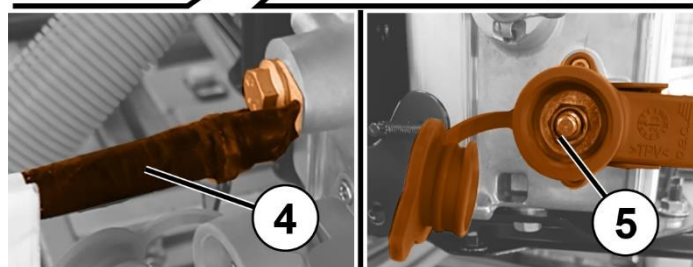


7. Check that the ground cable (4) is tightened to the prescribed torque of 15 Nm (11 Ft. Lbs.).



8. Check the presence of the nut on the charging cable (5).

NOTE: Not all vehicles will have a cap covering the nut on the charging cable (5). It is NOT necessary to install a cap if it is not present.



9. If the nut for positive cable from 12V battery to the IDCM is not present, the vehicle is NOT compliant (NOK), proceed with inserting the **NEW** nut and correctly tighten to the prescribed torque of 11 Nm (97 In. Lbs.).
10. If the nut for positive cable from 12V battery to the IDCM is present and correctly tightened at the prescribed torque of 11 Nm (97 In. Lbs.), the vehicle is compliant (OK).

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Installation

11. Install the IDCM guard, securing the fixing screws (1a) along the perimeter and remove the shield (1b).

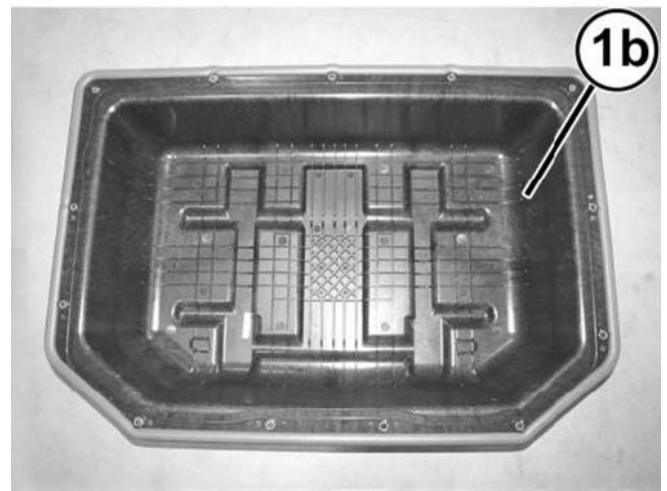
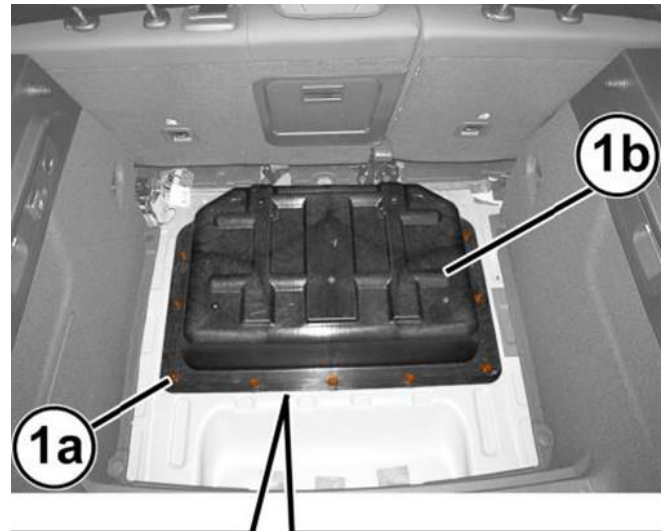
12. Install the luggage compartment/load platform oddment compartment. [Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 23 - Body > Interior > HOUSING, Luggage Compartment > Removal and Installation > Oddment Compartment - PHEV.](#)

13. Install the support platform. [Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 23 - Body > Decklid/Hatch/Liftgate/Tailgate/Swing Gate > PANEL, Close Out > Removal and Installation > Support Platform.](#)

14. The loss of insulation test procedure must be performed before re-establishing the high voltage power supply whenever an operation is performed on the high voltage system components/wiring of the vehicle, as described in the procedure: [Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 12 - Electrified Powertrain System > High Voltage Battery > Standard Procedure > Loss Of Isolation Test.](#)

15. Power up the high voltage system [Refer to the detailed procedures available in DealerCONNECT > Service Library > under: 12 - Electrified Powertrain System > High Voltage Battery > Standard Procedure > High Voltage Power Up.](#)

16. Return the vehicle back to the customer or inventory.



This notice applies to your vehicle,

[Model Year and Model]

VIN XXXXXXXXXXXXXXXXXXXX

98A/NHTSA 23V-623

LOGO

VEHICLE PICTURE

YOUR SCHEDULING OPTIONS

1. RECOMMENDED OPTION

Call your authorized Chrysler / Dodge / Jeep® / RAM Dealership

2. Call the FCA Recall Assistance

Center at 1-800-853-1403. An agent can confirm part availability and help schedule an appointment

3. Visit recalls.mopar.com, scan the

QR code below, or download the Mopar Owner's Companion App.

QR Code

Get access to recall notifications, locate your nearest dealer, and more through this website or Mopar Owner's Companion App. You will be asked to provide your Vehicle Identification Number (VIN) to protect and verify your identity. The last eight characters of your VIN are provided above.

DEALERSHIP INSTRUCTIONS

Please reference Safety Recall 98A.

IMPORTANT SAFETY RECALL

PHEV Charging Cables

Dear [Name],

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

FCA US LLC has decided that a defect, which relates to motor vehicle safety, exists in certain [2023-2024 model year (GG) Dodge Hornet] Plug-in Hybrid Electric Vehicles (PHEVs).

It is extremely important to take steps now to repair your vehicle to ensure the safety of you and your passengers.

WHY DOES MY VEHICLE NEED REPAIRS?

The 12 Volt (12V) battery positive cable on the Integrated Dual Charging Module (IDCM), as well as the two High Voltage (HV) connections with grounds may have been built with missing or an incorrectly torqued nut on your vehicle ^[1]. A loose 12V battery positive cable and/or high voltage connectors may result in a high resistance in the connection to the IDCM which may lead to a vehicle fire with the ignition on or off. **A vehicle fire can result in increased risk of occupant injury and/or injury to persons outside the vehicle, as well as property damage.**

Customers are advised to not park these vehicles inside of buildings or structures, or near other vehicles until the vehicle has the repair completed.

HOW DO I RESOLVE THIS IMPORTANT SAFETY ISSUE?

FCA US will repair your vehicle ^[2] free of charge (parts and labor). To do this, your dealer will inspect and tighten the IDCM cables. The estimated repair time is one hour. In addition, your dealer will require your vehicle for proper check-in, preparation, and check-out during your visit, which may require more time. Your time is important to us, so we recommend that you schedule a service appointment to minimize your inconvenience. Please bring this letter with you to your dealership.

**TO SCHEDULE YOUR FREE REPAIR,
CALL YOUR CHRYSLER, DODGE, JEEP OR RAM DEALER TODAY**

WHAT IF I ALREADY PAID TO HAVE THIS REPAIR COMPLETED?

If you have already experienced this specific condition and have paid to have it repaired, you may visit www.fcarecallreimbursement.com to submit your reimbursement request online. ^[3] Once we receive and verify the required documents, reimbursement will be sent to you within 60 days. If you have had previous repairs performed and/or already received reimbursement, you may still need to have the recall repair performed.

We apologize for any inconvenience, but are sincerely concerned about your safety. Thank you for your attention to this important matter.

Customer Assistance/Field Operations
FCA US LLC



Mr. Mrs. Customer
1234 Main Street
Hometown, MI 48371

[1] If you no longer own this vehicle, please help us update our records. Call the FCA Recall Assistance Center at 1-800-853-1403 to update your information.

[2] If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington, DC 20590, or you can call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to safercar.gov.

[3] You can also mail in your original receipts and proof of payment to the following address for reimbursement consideration: FCA Customer Assistance, P.O. Box 21-8004, Auburn Hills, MI 48321-8007, Attention: Recall Reimbursement.

Note to lessors receiving this recall notice: Federal regulation requires that you forward this recall notice to the lessee within 10 days.

This notice applies to your vehicle,

[Model Year and Model]

VIN XXXXXXXXXXXXXXXXXXXX

98A/NHTSA 23V-623

LOGO

VEHICLE PICTURE

YOUR SCHEDULING OPTIONS

- 1. RECOMMENDED OPTION**
Call your authorized Alfa Romeo dealership.
2. Call Alfa Romeo Premium Care at **1-866-932-3881**. An agent can confirm part availability and help schedule an appointment.
3. Visit recalls.mopar.com, scan the QR code below, or download the Mopar Owner's Companion App.

QR Code

Get access to recall notifications, locate your Alfa Romeo dealership, and more through this website or Mopar Owner's Companion App. You will be asked to provide your Vehicle Identification Number (VIN) to protect and verify your identity. The last eight characters of your VIN are provided above.

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Dear [Name],

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**TO SCHEDULE YOUR FREE REPAIR,
CALL YOUR ALFA ROMEO DEALER TODAY**

WHAT IF I ALREADY PAID TO HAVE THIS REPAIR COMPLETED?

If you have already experienced this specific condition and have paid to have it repaired, you may visit www.fcarecallreimbursement.com to submit your reimbursement request online. ^[3] Once we receive and verify the required documents, reimbursement will be sent to you within 60 days. If you have had previous repairs performed and/or already received reimbursement, you may still need to have the recall repair performed.

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Customer Assistance/Field Operations
Fiat Chrysler Automobiles US LLC



Mr. Mrs. Customer
1234 Main Street
Hometown, MI 48371

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