April 1, 2026 Version 1

Product Update: 2025 Prologue Drive Motor Power Distribution Control Module Replacement

APPLIES TO

Year	Model	Trim Level	VIN Range
2025	Prologue	ALL	Check iN VIN status for eligibility

BACKGROUND

Insufficient silicone application to the DC-DC converter can result in excessive heat exposure during charging, leading to overheating of the Power Distribution Control Module (PDCM) and possibly rendering the charging system inoperative.

CUSTOMER NOTIFICATION

Owners of affected vehicles will be sent a notification of this product update.

Do an iN VIN status inquiry to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your new or used vehicle inventory. Repair these vehicles before they are sold.

CORRECTIVE ACTION

Replace the drive motor power distribution control module (PDCM).

WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1181HV	Replace the Drive Motor Power Distribution Control Module	3.1hrs	6NP00	ANS00	A26051A	24051641

PARTS INFORMATION

NOTE: All parts are controlled and must be ordered through the normal VIN Control Parts Ordering Program.

Part Name	Part Number	Quantity
Module, Drive Motor Power Distribution Control	24051641	1
Cover, Drive Motor Power Control Module	24055226	1
Gasket, Drive Motor Power Module	24292572	1

REQUIRED MATERIALS

Part Name	Part Number	Quantity
LL Coolant (Type-PZ)	OL999-9033	1 gallon

TOOL INFORMATION

Part Name	Part Number	Quantity
Cooling System Adapter	07-GE-46143-A	1
Vac-N-Fill Coolant Refill Tool	07-GE-47716	1

REPAIR PROCEDURE

⚠ DANGER

Always perform the High-Voltage Disabling procedure prior to servicing any High-Voltage component or connection. Personal Protection Equipment (PPE) and proper procedures must be followed. Failure to follow the procedures will result in serious injury or death**.**

NOTE: Review **all** *High-Voltage Safety* information and the Job Aid: *High-Voltage Battery Storage and Handling* prior to starting repairs.

The High-Voltage Disabling procedure includes the following steps:

- Identify how to disable high-voltage.
- Identify how to test for the presence of high-voltage.
- Identify conditions under which a high-voltage is always present and Personal Protection Equipment (PPE) and proper procedures must be followed.

Before working on any high-voltage system, be sure to wear the following Personal Protection Equipment:

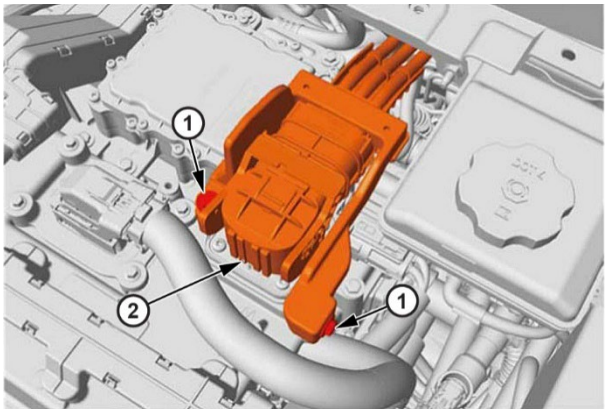
- Safety glasses with appropriate side shields when within 15 meters (50 feet) of the vehicle, either indoors or outdoors.
- Certified and up-to-date Class "0" Insulation gloves rated at 1000V with leather protectors.
- Visually and functionally inspect the gloves before use. Wear insulation gloves with leather protectors at all times when working with the high-voltage battery assembly, whether the system is energized or not.

Removal Procedure

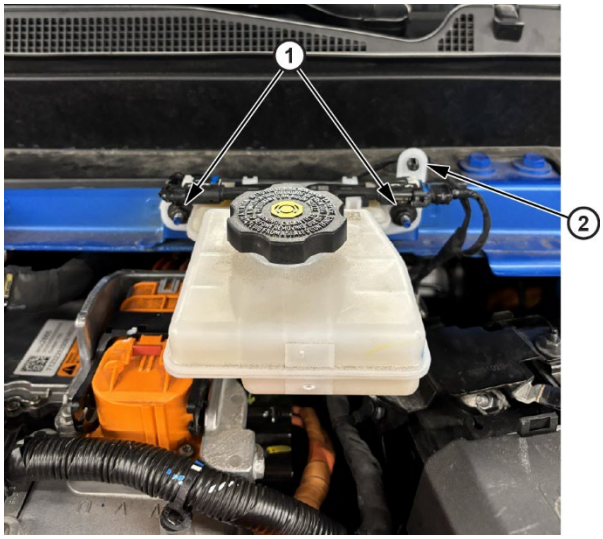
1. Follow the *Removal Procedure* to replace the Drive Motor Power Distribution Control Module Replacement.
    1. Drain the cooling system, do **steps 8–19 only.** Drive Motor Battery Cooling System
    2. Disable the high-voltage system, do **steps 1–3 only**. High-Voltage Disabling

After High-voltage Disabling, follow these instructions:

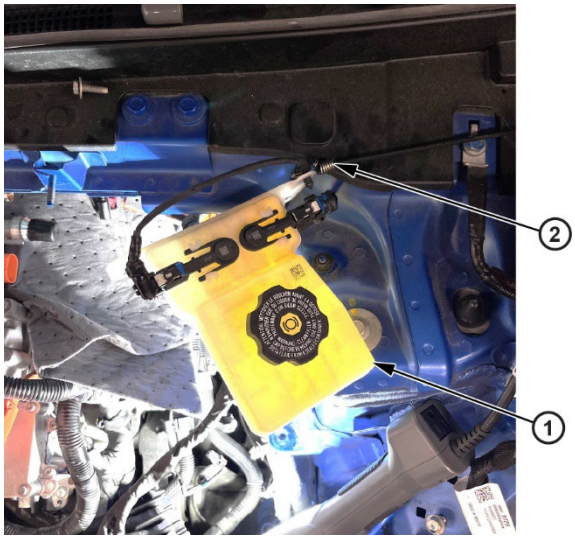
2. Remove the 3-Phase cable bolts (1) and disconnect the drive motor power inverter module (2).



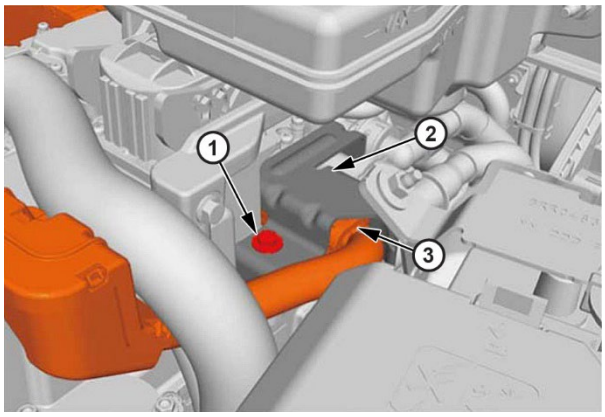
3. Remove the 12-volt battery and battery tray, follow the *Removal Procedure*. (Click HERE)
4. Remove the two nuts (1) that secure the brake master cylinder reservoir bracket (2).



5. Reposition the brake reservoir (1) away from the drive motor control module using a bungee cord or similar strap (2).



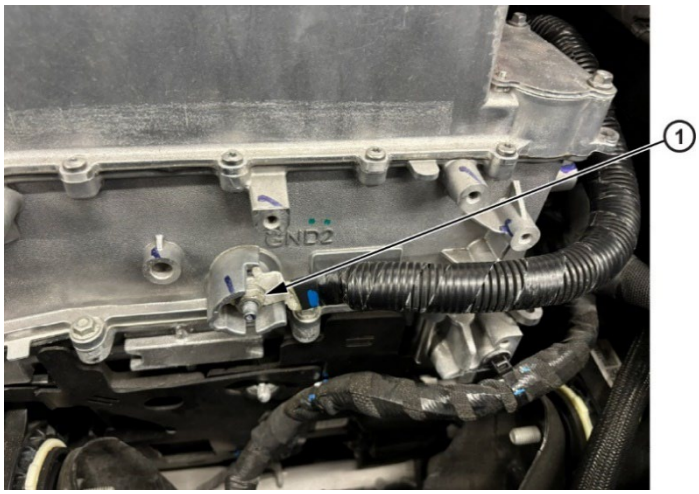
6. Remove the high-voltage battery heater protector bolt (1) and shield (2). Then disconnect the high-voltage battery heater (3).



7. Continue with **steps 23–27** of the *Removal Procedure*: Drive Motor Power Distribution Control Module Replacement

   NOTE: Do not do **steps 20–22,** these steps do not apply.

8. Remove the harness ground cable retainer nut (1).

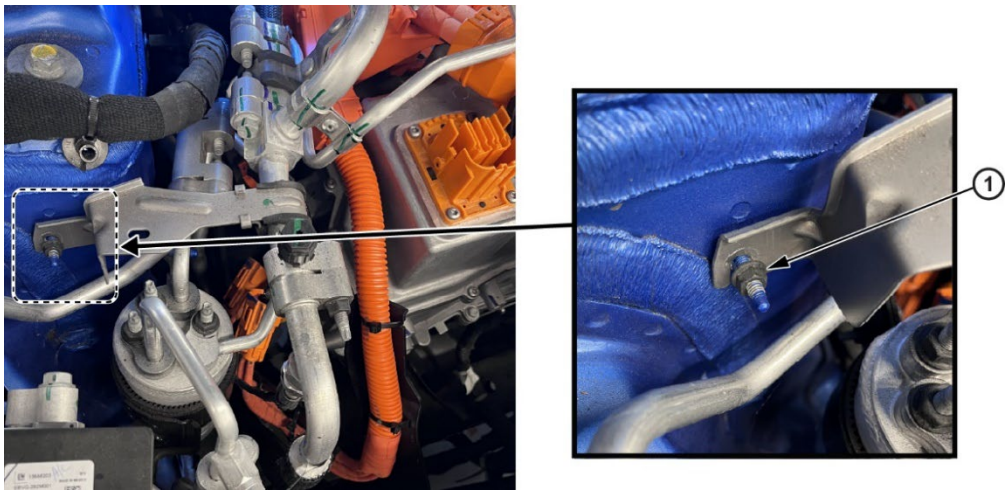


9. Continue with **steps 28–38** of the *Removal Procedure*: Drive Motor Power Distribution Control Module Replacement

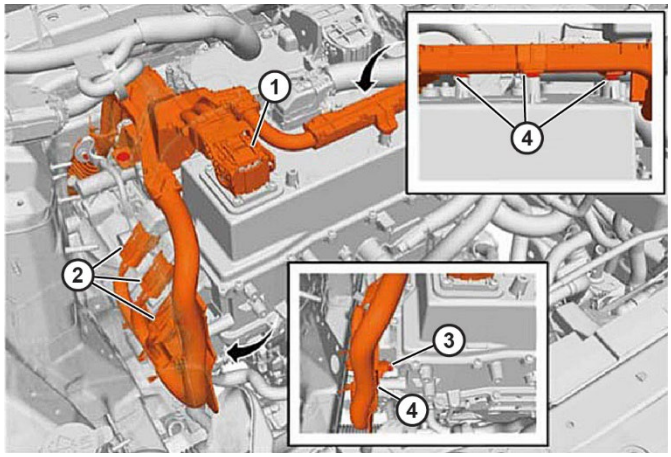
   NOTE: Do not do **steps 39–41,** these steps do not apply.

After completing step 38, follow these instructions:

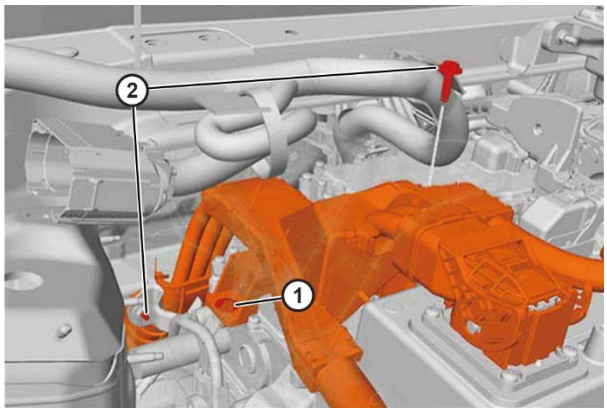
10. Loosen the AC low pressure line bracket nut (1) to allow the bracket to move freely from the mounting post.



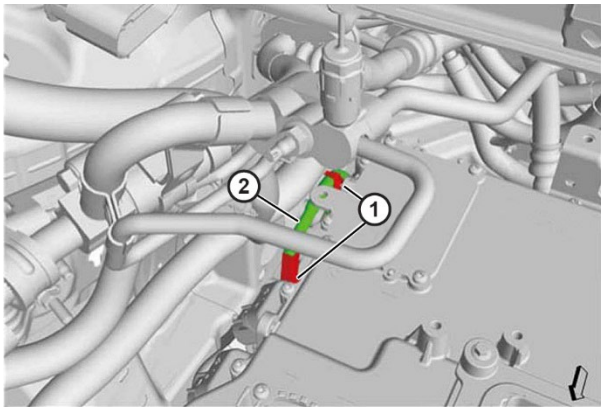
11. Disconnect and remove the following from the drive motor power inverter:
    - electrical connector (1)
    - electrical connectors (2)
    - high-voltage wiring harness bolt (3)
    - high-voltage wiring harness clips (4)



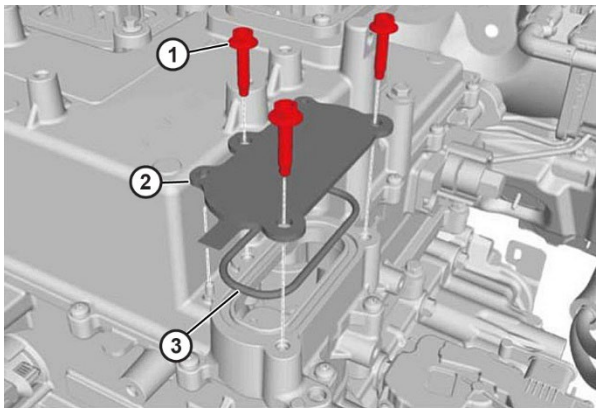
12. Remove the high-voltage wiring harness retainer (1) and bolts (2).



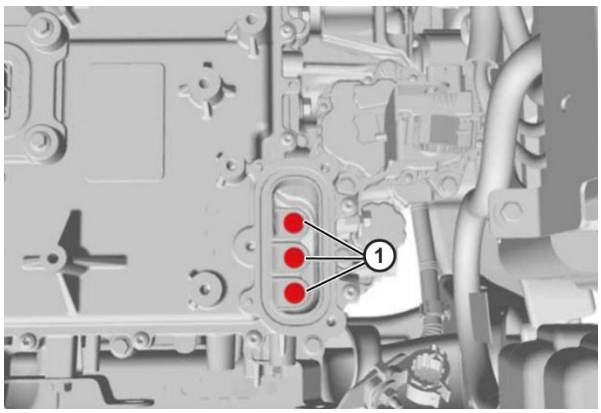
13. Remove the wire harness retainers (1) and harness clip (2).



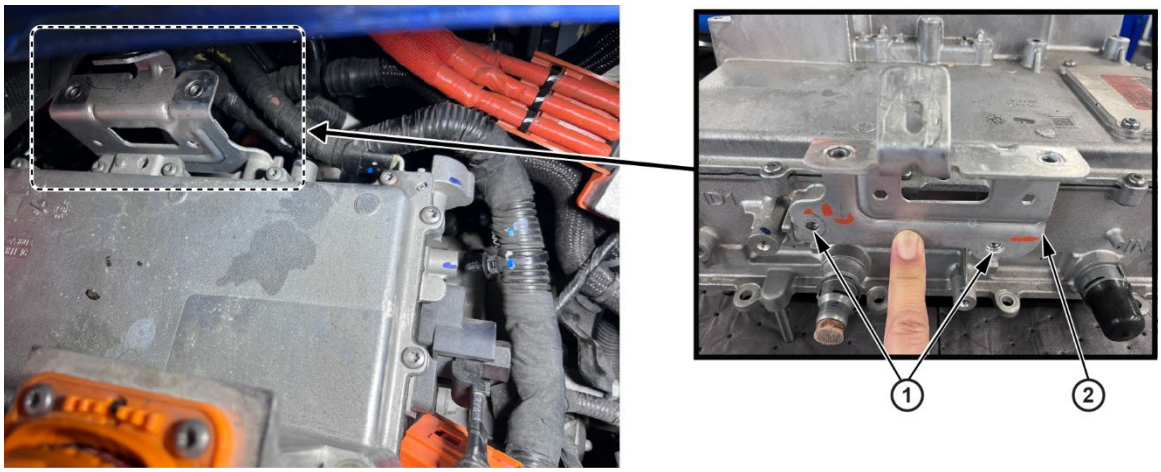
14. Remove the drive motor power inverter module bolts (1), cover (2), and gasket (3).



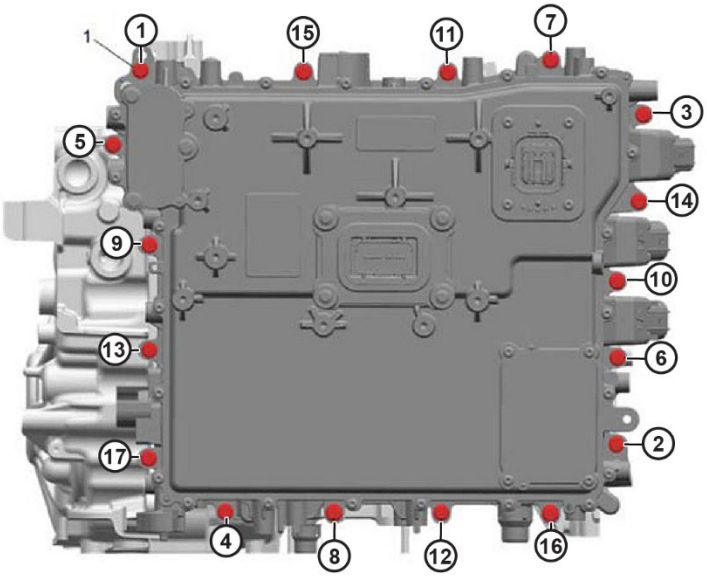
15. Remove the drive motor power inverter module connector bolts (1).



16. Remove the two bolts (1) from the auxiliary drive motor control bracket (2) located behind the drive motor power distribution control module.



17. Remove the 17 bolts (1) that secures the drive motor power distribution control module.



18. Carefully remove the drive motor power distribution control module from the vehicle.

NOTICE

To avoid damaging the connectors, hoses, and wiring harnesses, ensure they are fully disconnected and clear of the drive motor power distribution control module assembly (1) before removal.

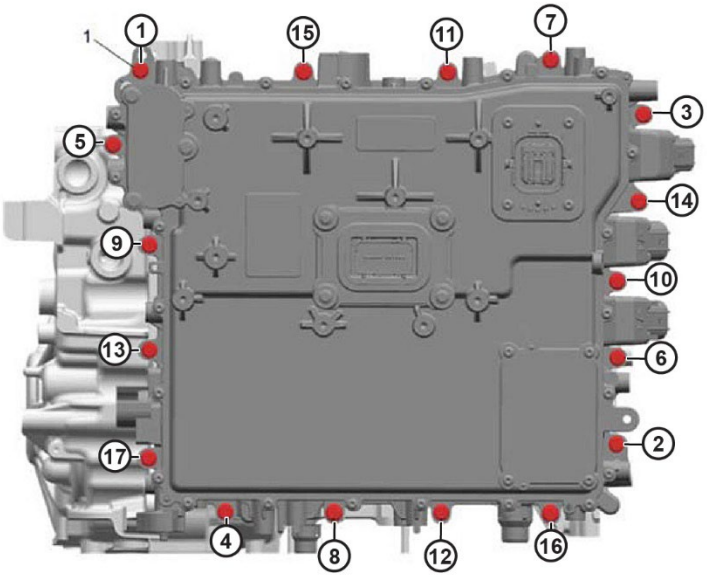
INSTALLATION PROCEDURE

1. Install the new drive motor power distribution control module into the vehicle using a **new** gasket.

   FOR INSTALLATION:

   Install the 17 bolts to secure the drive motor power distribution control module.

   Tighten the bolts to **9 N·m (80 lb-in)** in the sequence shown:



2. Install all remining parts in the reverse order of removal. Drive Motor Power Distribution Control Module Replacement
3. Enable the High-voltage System. High-Voltage Enabling
4. Refill the Drive Motor Battery Cooling System.
5. Inspect for coolant leaks.