Fuse, HV Battery, A/C Compressor (Remove and Replace)

Labor Code: 305411510

Important:
This manual is written for professional automotive technicians who have received high voltage training. It is the technician's responsibility to make sure that the vehicle is safe to work on before beginning inspections or repairs, and to perform all work in a safe manner and in a safe work environment. Refer to the Introduction section for additional important information.

Note:
This procedure only applies to model year 2022-2024 vehicles.

Required Special Tools:

Tool Number	Tool Name
TSN01347-300-A	HV battery fuse cavity tool

Torque Specifications:

Step Number	Torque (Nm)
5	2.5

Removal

DANGER:
ASTM class 0 electrical-protection gloves with leather protectors must be worn when working near any exposed high voltage conductor.

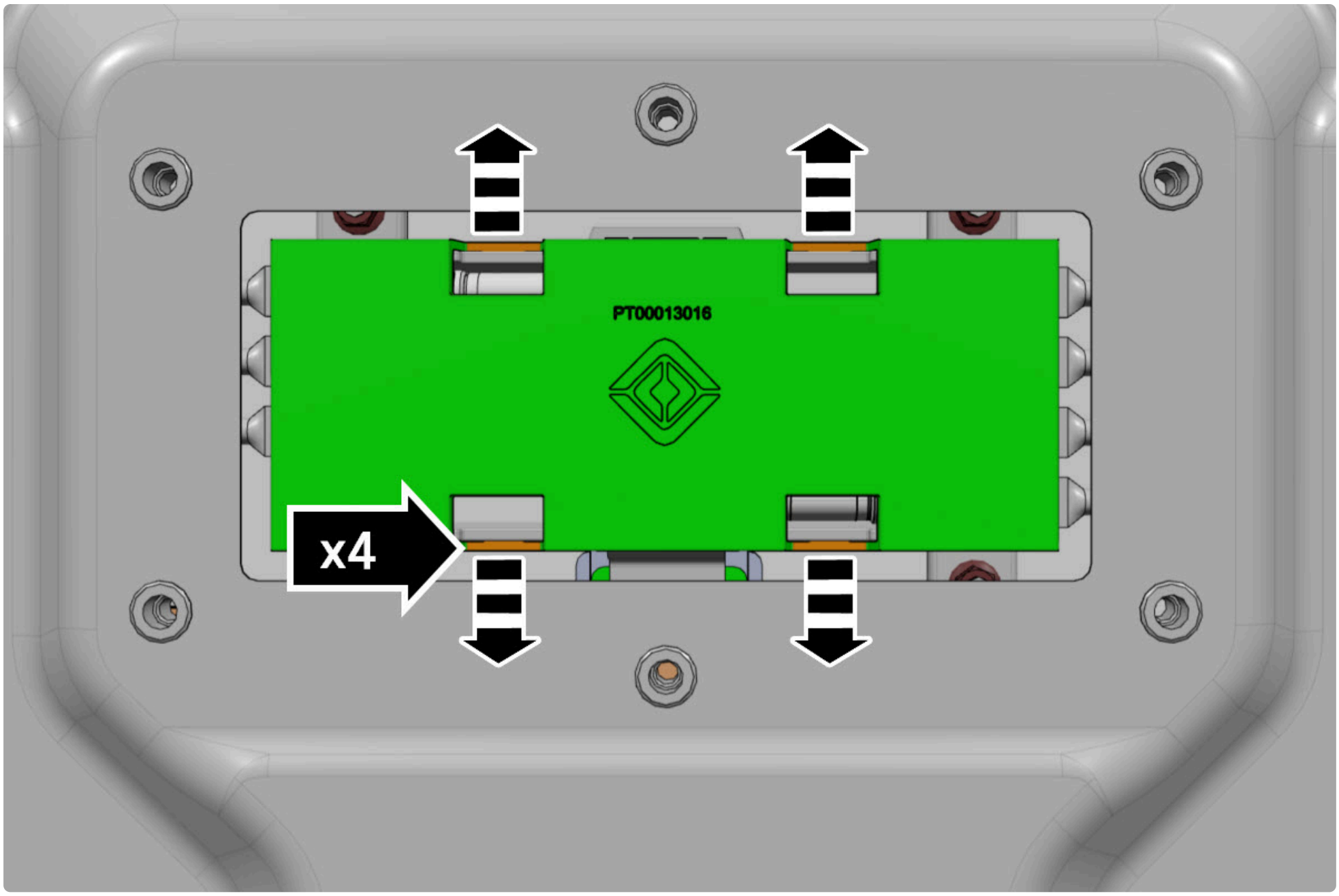
DANGER:
Before beginning work for the day, test electrical-protection gloves for air leakage and visually inspect them for damage. Repeat the air test and inspection immediately following any incident that can reasonably be suspected of causing damage.

Warning:
Wear appropriate eye protection during this procedure.

Warning:
Use electrical-insulating tools when working on high voltage components to protect against accidental contact with live circuits.

1. Remove: Access Panel, Fuse, HV Battery (Remove and Replace).

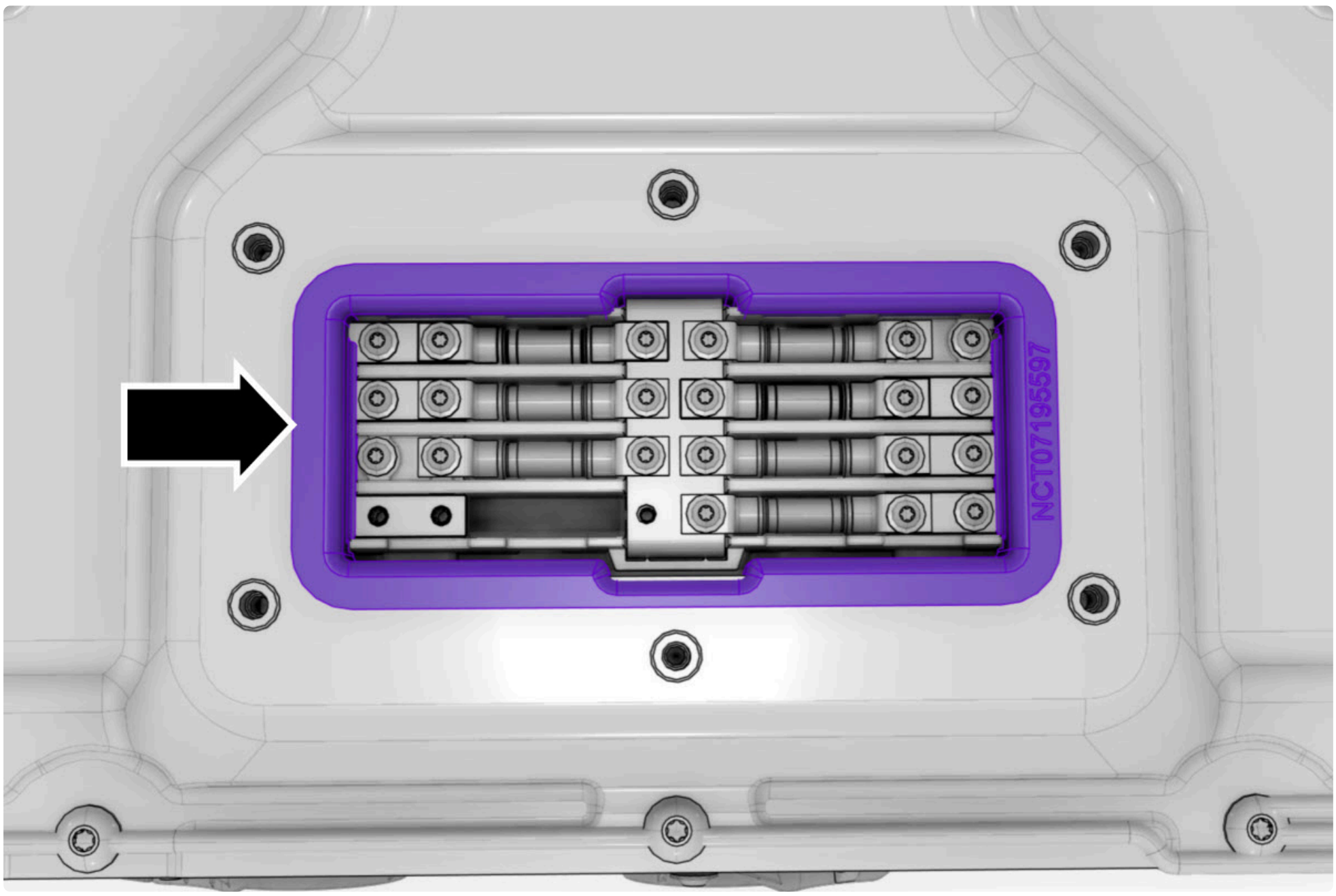
2. Using an electrical-insulating pick: Pry as shown to release the component.



CAUTION:
Pry in the highlighted area(s) only.

3. Inspect the working area for signs of damage or arcing. If signs of damage or arcing are present: Escalate for diagnostic assistance.

4. Attach the special tool(s).



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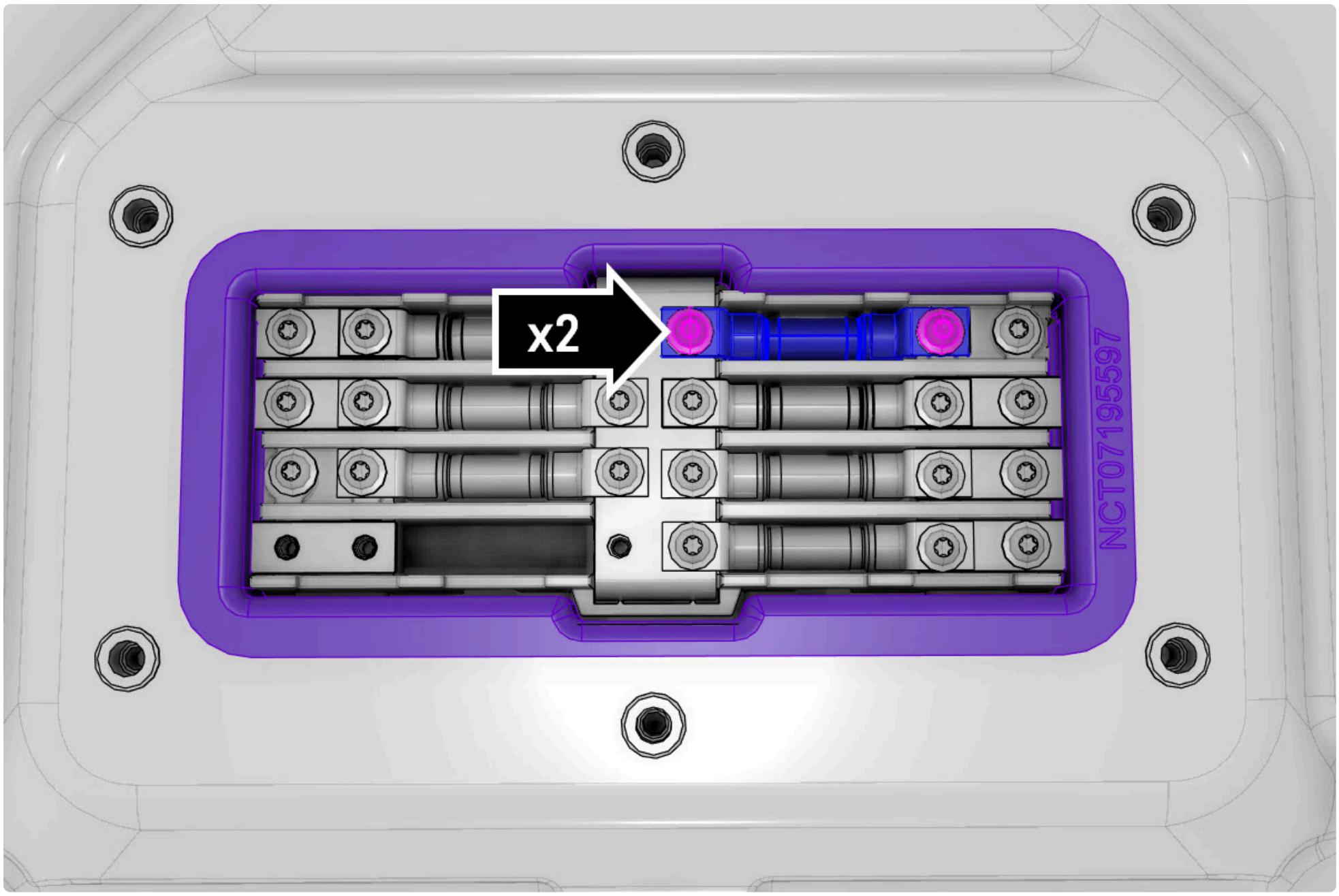

Torque: 2.5 Nm

Installation

1. Clean the highlighted area(s). Use only 99% alcohol.

2. Install the component.

3. Check resistance. Measure between the points shown.

CAUTION:
Measure resistance on the busbar only; do not measure resistance on the fastener.

CAUTION:

If resistance is greater than 0.040 mΩ (40 μΩ):

a. Remove the component.

b. Repeat Installation steps 1 - 3.

c. If resistance is still greater than 0.040 mΩ (40 μΩ): Remove and discard the component.

d. Using a new component: Repeat Installation steps 1 - 3.

e. If resistance is still greater than 0.040 mΩ (40 μΩ): Escalate for diagnostic assistance.

4. Remove the special tool.

5. Vacuum the area to remove any debris.

6. Reinstall: Access Panel, Fuse, HV Battery (Remove and Replace).