Technical Journal

TITLE:

GHCA PN 36000418 – Perform VCUv2 Retrofit

REF NO:	ISSUING DEPARTMENT:	CAR MARKET:	
TJ 37782.1.0	Technical Service	United States and Canada	
PARTNER: 3 US 7515 Polestar		ISSUE DATE: 2026-03-03	STATUS DATE: 2026-03-18
FUNC GROUP: 3234	FUNC DESC: Onboard charger, high voltage	Page 1 of 2	

DESCRIPTION:
If installing a GHCA PN 36000418 into a vehicle that is not retrofitted to VCUv2, please follow the advice under “Service”.

Note: This Technical Journal provides additional instructions specific to GHCA PN 36000418 only.

Note: The VCU version can be identified by the vehicle’s software version.

- **Software versions starting with “1” indicate a VCUv1. For example: v1.4.15**
- **Software versions starting with “2” indicate a VCUv2. For example: v2.1.25**

CSC Customer Symptom Codes

Code	Description
YN	High voltage battery/Discharged/poor charge
YM	On board charger/No/reduced/incorrect function/While driving
YL	Plug-in charging/No/reduced/incorrect function/With external AC-cable
YZ	Plug-in charging/No/reduced/incorrect function/With external DC-cable
YW	Charging socket/LED indicates fault/reduced charging/Unsure when/at all times

DTC Diagnostic Trouble Codes

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
359							2025-2025		-	202402-202545

SERVICE:

Note: This Technical Journal provides additional instructions specific to GHCA PN 36000418 only.

Produced and printed in the USA and available as an electronic document.

Note: GHCA replacement and VCU retrofit procedures themselves must be performed in accordance with VIDA, TJ 37630 – GHCA replacement, QB-CP 1074 VCU retrofit.

GHCA replacement scenarios:

1. Vehicle arrives with VCUv1 installed:
   a. It is strongly recommended to perform the VCUv2 retrofit during the same workshop visit in which the GHCA is replaced. The "replacement sequence" described below must be followed.
   b. If the VCUv2 part is not available, the vehicle may be returned to the customer after completing "replacement sequence" step 1 only.
2. Vehicle arrives with VCUv2 installed:
   Perform the GHCA replacement according to VIDA, using the claim details and VST operation number specified in **TJ 37630**.

Replacement sequence:

Perform the GHCA replacement and VCUv2 retrofit in the following order:

1. **Replace the GHCA**
   Perform the GHCA replacement according to VIDA, using the claim details and VST operation number specified in **TJ 37630**.
   The replacement is completed by installing a GHCA software reload, which makes GHCA PN 36000418 fully operational under VCUv1.
2. **Replace the VCU (VCUv2 retrofit)**
   Perform the VCU replacement in accordance with **QB-CP 1074**.
   The VCUv2 retrofit is completed by installing a Total Software Upgrade, which makes GHCA PN 36000418 fully operational under VCUv2.

Important notes:

This replacement sequence must be followed.

A faulty GHCA can prevent a successful software upgrade if the VCU is replaced first.

Use of GHCA PN 36000418 in a VCUv1 vehicle is possible and provides improved robustness against hardware failure.

Abbreviations:
GHCA - Grid to High Voltage Converter A
VCUv1 / v2 - Vehicle Computational Unit version 1 / version 2

Warranty claim info:
No warranty claim is accepted for this Technical Journal.
Warranty claims must be submitted in accordance with, and referencing:

- TJ 37630 – GHCA replacement
- QB-CP 1074 – VCU retrofit

LABOR TIME:
Labor time subject to change without notice.

VEHICLE REPORT:
Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area "Vehicle Report Polestar" and sub concern area "Support needed Polestar", use function group 3113.