

Technical Journal

TITLE:

GHCA PN 36000418 – Perform VCUv2 Retrofit

REF NO: TJ 37782.2.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7515 Polestar		ISSUE DATE: 2026-03-27	STATUS DATE: 2026-04-01
FUNC GROUP: 3234	FUNC DESC: Onboard charger, high voltage	Page 1 of 3	

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

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

Technical Journal 37782.2.0

SERVICE:

* **Scope Limitation:** This Technical Journal does not justify preventive GHCA replacements. It applies only to repairs after confirming a GHCA defect via VIDA fault tracing and/or TJ 37630.

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

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 the concern area "Vehicle Report Polestar" and the sub-concern area "Support Needed Polestar", use function group 3234.