

Technical Journal Title GHCA PN 36000418 – Perform VCUv2 Retrofit		Ref. No. TJ 37781.1.0	
Issuer (Dept.) Technical Service		Issue Date 3/3/26	Status Date 3/19/26
Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 3234	
Function Description Onboard charger, high voltage		Page 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
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SERVICE:

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 37629 – GHCA replacement, and QB-C 10346 – VCU retrofit.

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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 37629**.

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 37629**.

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-C 10346**.

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

PN - Part Number

VCUv1 / v2 - Vehicle Computational Unit version 1 / version 2

Warranty claim info:

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

TJ 37629 – GHCA replacement QB-C 10346 – VCU retrofit

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” and the sub-concern area “Support Needed”, use function group 3234.