

# Technical Journal

TITLE:

**No AC Charging with DTC OBC-P0D1513 and/or OBC-P0D1556**

<b>REF NO:</b> TJ 36522.1.1	<b>ISSUING DEPARTMENT:</b> Technical Service	<b>CAR MARKET:</b> United States and Canada	
<b>PARTNER:</b> 3 US 7510 Volvo Car USA		<b>ISSUE DATE:</b> 2023-02-21	<b>STATUS DATE:</b> 2023-02-22
<b>FUNC GROUP:</b> 3234	<b>FUNC DESC:</b> Onboard charger, high voltage	Page 1 of 5	

“Right first time in Time”

## Attachment

File Name	File Size
TJ 36522.pdf	0.2613 MB

Rows beginning with \* are modified

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

## DESCRIPTION:

If a customer’s vehicle will not AC charge, and DTCs OBC-P0D1513 and/or OBC-P0D1556 are set, follow the instructions under “Service.”

## CSC Customer Symptom Codes

Code	Description
YM	On board charger/No/reduced/incorrect function/While driving
YL	Plug-in charging/No/reduced/incorrect function/With external AC-cable
YW	Charging socket/LED indicates fault/reduced charging/Unsure when/at all times
YX	Charging socket/Lock does not lock/unlock/Unsure when/at all times

## DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
OBC	P0D1513	Permanent
OBC	P0D1556	Permanent

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## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
536	ED	E400V6					2021-2023		-	202037-202317
539							2022-2023		-	202139-202317

## SERVICE:

In occasional cases, connector catches of the AC HV connector at the OBC (to connect the HV cable harness from the EVI) are not properly closed by the plant. That leads to the effect that Mode 2 and Mode 3 AC charging is not possible.

See the attachment above for the connector location.

Please take the following steps:

1. Fully disconnect AC HV connector EVI > OBC from the OBC  
The attached pdf file also shows how to release the two connector catches, that might be improperly closed, before disconnection
2. Ensure that the connector is in a proper condition and that no foreign objects are present
3. Reconnect the connector  
**Note:** It is of high importance ...
  - a. to push in the connector well.
  - b. to close the two connector catches. The attached pdf file shows the **release** of those catches, and for closure, **you must push in opposite direction than the arrows shown in the drawing.**

List of abbreviations:

TJ - Technical Journal

AC - Alternating Current

HV - High Voltage

OBC - On-board Charger

EVI - Electric Vehicle Inlet

DTC - Diagnostic Trouble Code

CSC - Customer Symptom Code

## Warranty claim info:

To get warranty claim accepted for a job described in this TJ, following data must be used:

Failing Part: No part replacement accepted for this TJ

VST OP number: 31133-3,31130-2,85558-2,99921-2

**NOTE:** TJ number must be stated in repair order text.

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## VST Operation Number

VST Operation Number	Description
31133-3	Isolation testing high voltage system
31130-2	High Voltage Battery disconnection and connection
85558-2	Cargo area front remove-install
99921-2	Disconnect / Reconnect HV connector EVI > OBC

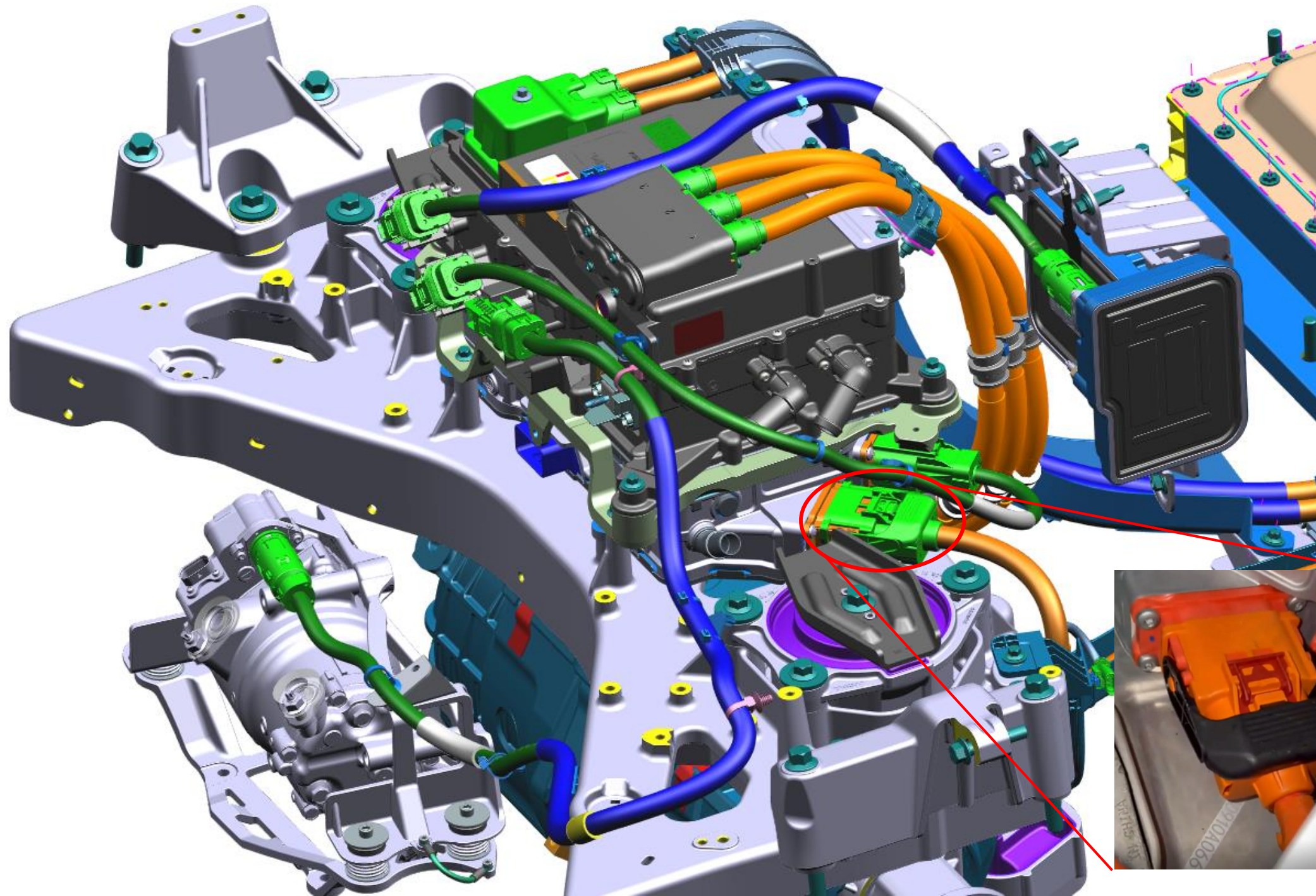
### VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area "Vehicle Report" and sub concern area "Support Needed," use function group 3234. Please submit a Vehicle Report also if the solution described in this TJ solves the issue. Use concern area "Vehicle Report" and sub concern area "Support not needed", use function group 3234.

**To view TJ attachment continue to next page. This TJ has one attachment.**

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