



Technical Journal

TITLE:

12V Battery Test Methods

REF NO: TJ 26745.13.4	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2019-10-29	STATUS DATE: 2019-11-08
FUNC GROUP: 3110	FUNC DESC: Battery	Page 1 of 2	

“Right first time in Time”

Rows beginning with * are modified

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

Text

DESCRIPTION:

*This document has been rewritten in its entirety.

To better reflect the features of the Battery Monitoring Sensor and related battery systems on SPA and CMA, the guidelines for a battery check at service without customer complaint have changed. The VIDA Battery Test and hand held battery tester 9513030 (BT3300) should be reserved for situations with customer complaints related to the battery only.

Battery check on SPA/CMA vehicle without a battery-related customer complaint:

The Battery Monitoring Sensor and related battery systems on SPA and CMA vehicles are sufficient to monitor for pending battery faults, only system charge should be checked as described below:

Open VIDA->Diagnostics->Service Functions->12V Power Overview:

If the value “CEM - battery state of charge (SoC)” is below 75%, the vehicle should be charged before returning it to the customer.

If the value “CEM - Support battery voltage” is below 11 V, the support battery should be removed and placed on a charger.

Once the battery has been charged, if there are no battery-related faults present, no further testing is necessary.



Battery test on vehicles with a battery-related complaint (e.g. start-stop inop, 12v battery warning messages)

Please follow normal CSC-based fault-tracing to determine if battery testing is needed.

Complaint 12V batteries may be tested using Vida or the hand held battery tester 9513030 (BT3300).

Note: The hand held battery tester must be set to “AGM Flat-Plate” and connected directly to the battery terminals when installed in the vehicle.

Connection to the charging posts is not acceptable.

For battery replacements under warranty, the code generated by the tool used must be manually copied into the repair order text.

It must also be printed and attached to the hard copy of the repair order.

***VSTG OPERATION NUMBERS:**

*31122-2 Battery condition check

*31102-3 Battery replace