



Technical Journal

TITLE:

12V Battery Test Methods

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ISSUING DEPARTMENT:
Technical Service

CAR MARKET:
United States and Canada

PARTNER:
3 US 7510 Volvo Car USA

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2019-02-20

STATUS DATE:
2019-02-22

FUNC GROUP:
3110

FUNC DESC:
Battery

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“Right first time in Time”

Attachment

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
124							2007-9999		0000001-9999999	200620-999951
134							2011-9999		0000001-9999999	201020-999951
135							2008-9999		0000001-9999999	200720-999951
136							2008-9999		0000001-9999999	200720-999951
137							2016-9999		0000001-9999999	201524-999951
138							2014-9999		0000001-9999999	201345-999951
155							2011-9999		0000001-9999999	201020-999951
156							2009-9999		0000001-9999999	200820-999951
157							2014-9999		0000001-9999999	201420-999951
224							2019-9999		0000001-9999999	201835-999951
225							2019-9999		0000001-9999999	201817-999951
234							2017-2017		0000001-9999999	201617-999951
235							2017-9999		0000001-9999999	201624-999951
236							2017-9999		0000001-9999999	201646-999951
238							2018-9999		0000001-9999999	201646-999951
246							2018-9999		0000001-9999999	201746-999951
256							2016-9999		0000001-9999999	201505-999951
536							2019-9999		0000001-9999999	201746-999951



CSC Customer Symptom Codes

Code	Description
7B	Starting/Engine does not start/Engine does not turn/No clicking sound at start attempt
AA	Starting/Engine does not start/Engine turns
AB	Starting/Engine hard to start/cranks slowly/Unsure when/at all times
AC	Starting/Engine hard to start/cranks slowly/After use
AD	Starting/Engine hard to start/cranks slowly/Cold start
BE	Starting/Engine does not start/Engine does not turn/Unsure when/at all times
BF	Starting/Engine does not start/Engine does not turn/Clicking sound at start attempt
BJ	Starting/Engine does not start/Unsure when/at all times
LM	Battery/Dead battery
LN	Battery/Weak or low electrical power
6J	Text window and warning symbol/Low battery

VST Operation Number

VST Operation Number	Description
31122-2	Battery condition check (used when just testing without replacing the battery)
31102-3	Battery replace (used when testing and replacing the battery)
31124-3	Battery charging in vehicle
31106-3	Charging removed battery

DTC Diagnostic Trouble Codes

Rows beginning with * are modified

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

Text

DESCRIPTION:

*All 12V batteries should be tested using the hand held battery tester 9513030 (BT3300).

*The VIDA test is no longer required.

*For battery replacements under warranty, the code generated by the tool 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 (used when **just** testing without replacing the battery)

*31102-3 Battery replace (used when testing **and** replacing the battery)

***Only one of these operation numbers should be used!**

*31124-3 Battery charging in vehicle

*31106-3 Charging removed battery

*(One of these should be used only **in combination with one of the above** operations number **when needed**)

SERVICE:

N/A

VEHICLE REPORT:

N/A