

Technical Journal

TITLE:

**Polestar: Software Update for High Voltage Battery Balancer
(Information Only)**

REF NO: TJ 35849.1.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7515		ISSUE DATE: 2021-01-22	STATUS DATE: 2021-01-26
FUNC GROUP:	FUNC DESC:	Page 1 of 9	

Attachment

File Name	File Size
WTE-008P-2020-12-18.pdf	4.6530 MB

DESCRIPTION:

Definitions:

HV = High Voltage

The HV Battery Module Balancer (part number 9814249) is designed to receive software updates to make it compatible with new model vehicles. In order for the HV Battery Module Balancer to work properly with Polestar HV battery modules, the Balancer software must first be upgraded as per the instructions outlined in WTE-008P-2020-12-18.pdf (attached).

See Service section for more details.

CSC Customer Symptom Codes

Code	Description
3L	Technician information/Repair information/Not for warranty use

DTC Diagnostic Trouble Codes

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
534	ED	E400V6					2021 -9999		-	0 -0

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SERVICE:

The Balancer software must be upgraded to **version 192-411899 - G or higher**.

Failure to perform the necessary software update prior to attempting communication with a BEV module may result in damage to the HV Battery Module Balancer and/or HV battery module and will require the unit to be taken out of service for repair.

Please refer to WTE-008P-2020-12-18 for full update instructions.

If you received a prototype HV Battery Module Balancer and have not yet returned it, please return it as soon as possible. The prototype balancers are **not** compatible with the new version of software. Prototype balancers have serial numbers in the following format: 0419xxxxx

VST Operation Number

Rows beginning with * are modified

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

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern "Vehicle Report Polestar," sub concern area "Support not needed Polestar," and function group 3119.

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

Workshop Tools & Equipment Bulletin

TITLE:

Software Update for High Voltage Battery Balancer 9814249

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The part number 9814249 High Voltage (HV) Module Balancer is designed to receive software updates to make it compatible with new model vehicles. For more information regarding the high voltage battery balancer please see Special Tool Bulletin 238.

For the Battery Electric Vehicle (BEV) a new adapter called the IME 2404 (P/N 9513192) will be used.

Prior to the use of the new IME, a software update must be performed to the HV balancer.

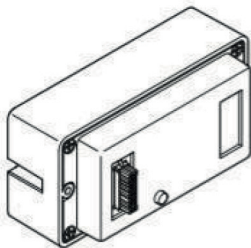
Recommended it is performed as soon as possible to avoid having to send the balancer for service.

The Balancer must be upgraded to version 192-411899 - G or higher (see **Locating Software** below in this document)

*Failure to perform the necessary software update will result in damage to HV balancer and will require the unit to be taken out of service for repair.

- The attached instructions will guide you through the installation process.

951 3192



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9513192 Adapter

Communication unit to be able to connect the adapter cables to the HV balancer

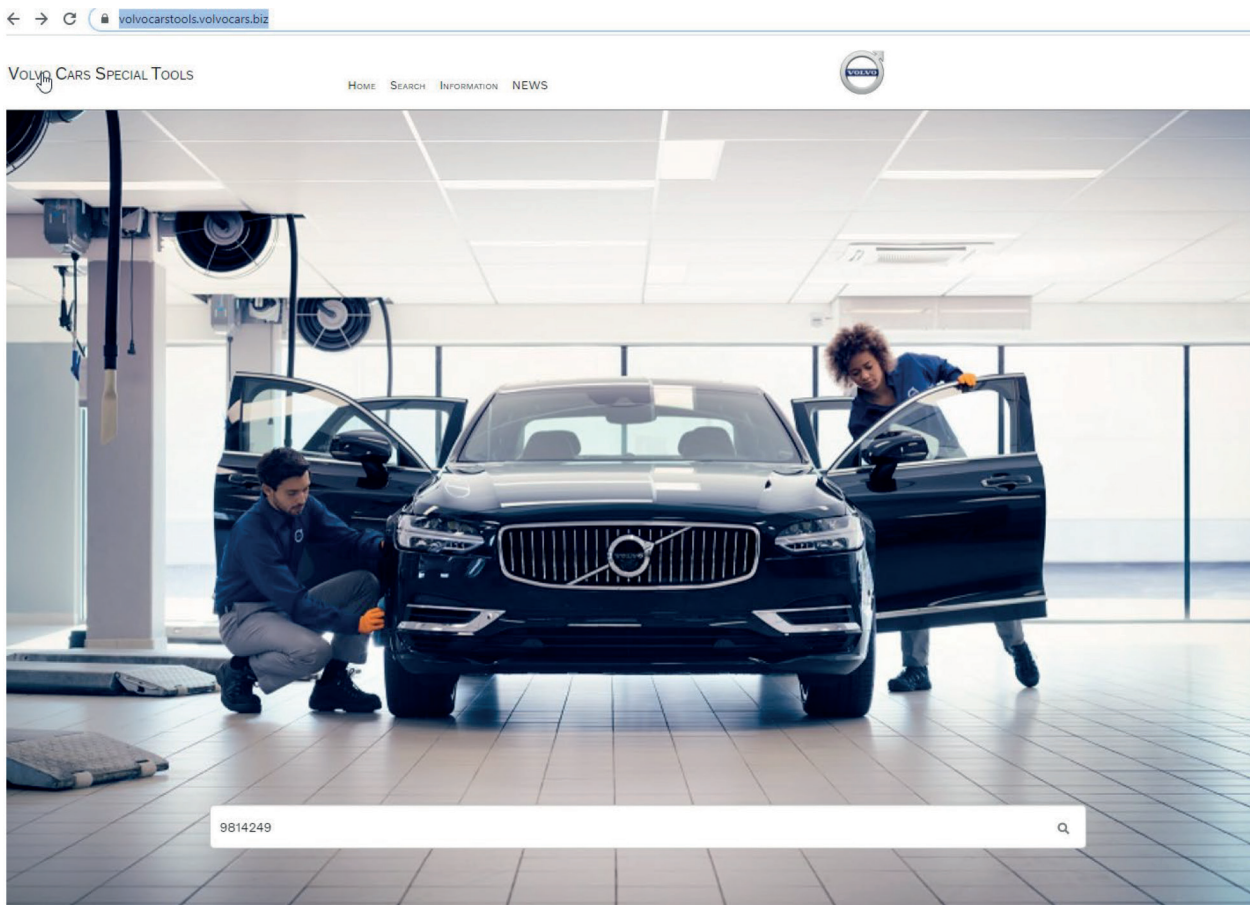
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Locating software

Software is found at <https://volvocarstools.volvocars.biz/>

- In the search area type in 9814249 for the Battery Balancer Part Number (see Fig 1)
- Click on the magnifying glass. (see Fig 1)
- Click on the download icon. (see Fig 2)
- Do not extract to your hard drive – Extract window will prepopulate a drive, erase it and extract only to a FAT32 thumb drive. (see Fig 3 and 3a)
 - 32Gb drive or smaller.
 - Continue from this point with step 4 in the attached xMB Module Balancer Software Update instructions 167-000967EN-A.

Fig 1



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Fig 2

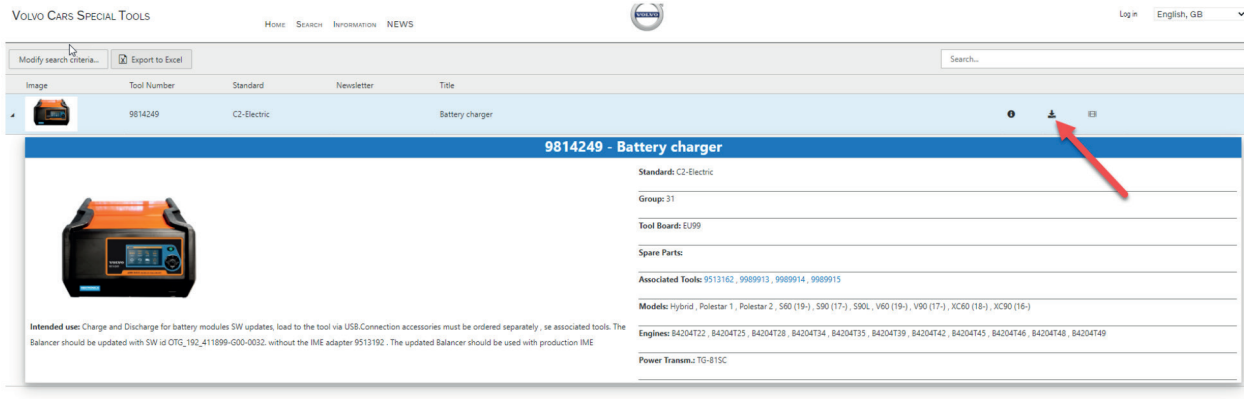


Fig 3

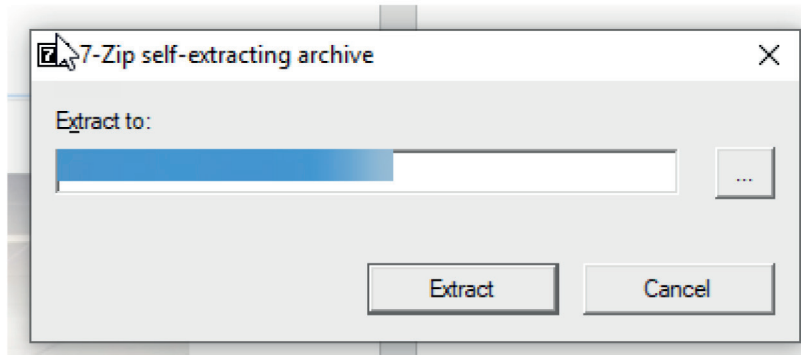
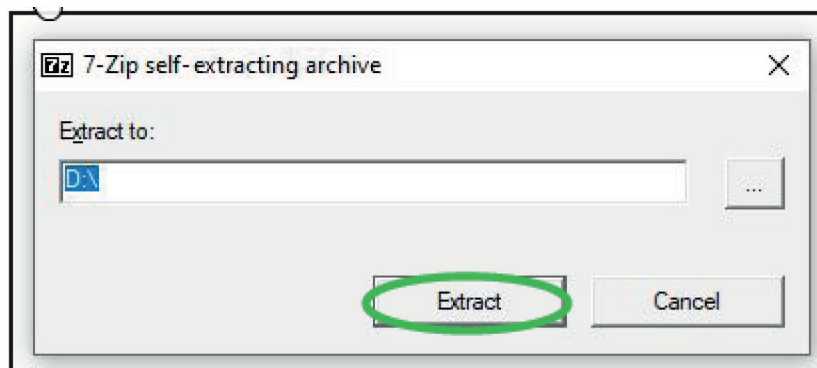


Fig 3A

From step 4 in attached instructions 167-000967EN-A - Continue with instructions from this point.



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xMB Module Balancer Software Update

Instructions
SEP 2020
167-000967EN-A

Software update

- 1
- 2
- 3
- 4

Format HP v165w (D:)

Capacity: 3.77 GB

File system: **FAT32 (Default)**

Allocation unit size: 4096 bytes

Restore device defaults

Volume label: HP v165w

Format options: Quick Format

Start Close

Name	Date modified	Type	Size
192-217985C-0010.xMB	8/6/2020 12:32 PM	xMB File	837 KB
192-217985C-0010.B1	8/7/2020 12:49 PM	B1 File	757 KB
192-221958D-0006.B1	8/20/2020 6:42 PM	B1 File	388 KB
192-411895D-0020.wf	8/27/2020 5:32 PM	WF File	3 KB
192-461665D-0010-ModuleDis.apk	7/26/2020 8:42 PM	APK File	133 KB
192-47003A0D-0010-PrintandScan-12.apk	7/26/2020 8:42 PM	APK File	862 KB
192-47144A0D-0010-PrintandScan-12.10.apk	7/26/2020 8:42 PM	APK File	821 KB
192-471895D-0000-0000	8/2/2020 11:50 AM	Application	208 KB
192-471895D-0005-Launcher.apk	8/11/2020 9:15 PM	APK File	37,910 KB
192-471895D-0005-Launcher.apk	7/26/2020 8:42 PM	APK File	42,887 KB
192-461665D-0010.apk	7/26/2020 8:42 PM	Compressed (Zip)...	8,262 KB
rev.01.B1.apk	8/6/2020 8:15 PM	Compressed (Zip)...	131,430 KB
xMB_update_12.apk	5/5/2020 6:08 PM	APK File	35,847 KB

- 5
- 6
- 7
- 8

Serial Number: 5555666789

WiFi MAC Address: 34:35:13:0c:2c:c9

Configuration Version: 192-411658-C00-0001

Data Version: 192-481659-A01-0002

Version: 192-471661-C00-0001

Device Version: Unknown

Update

Downloading update app. Please wait...

0%

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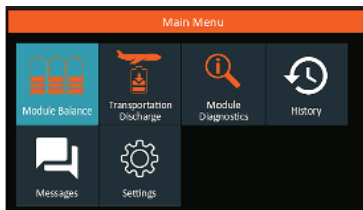
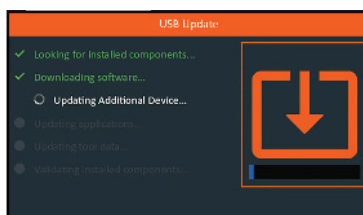
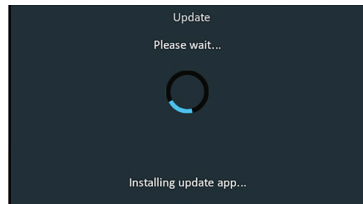
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xMB Module Balancer Software Update

Instructions
SEP 2020
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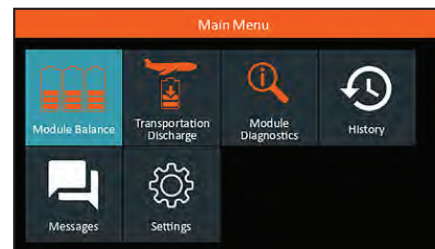
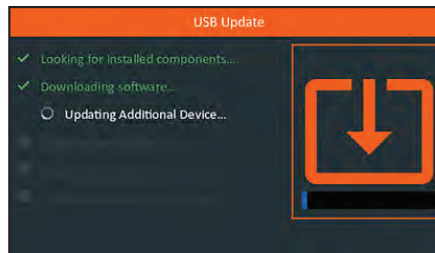
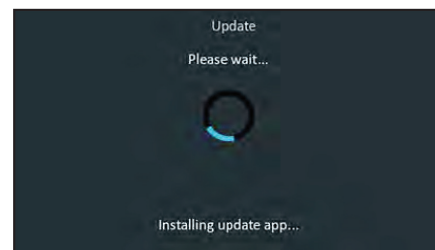
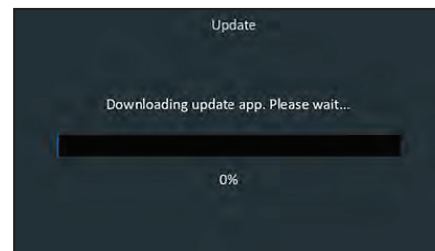
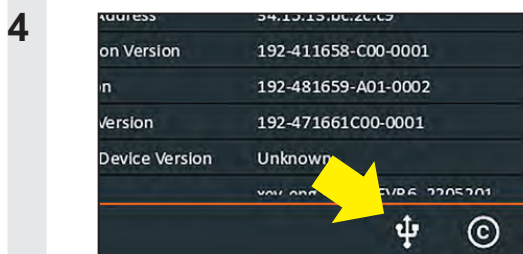
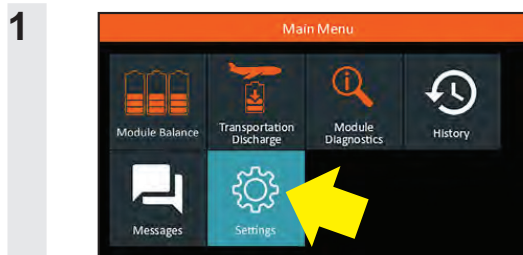


xMB Module Balancer IME-2404

Instructions
October 2020
167-000952EN-B

Software Update

STOP PERFORM SOFTWARE UPDATE PRIOR TO INSTALLING IME-2404. FAILURE TO DO SO WILL RESULT IN PRODUCT SERVICE REQUIREMENT **STOP**



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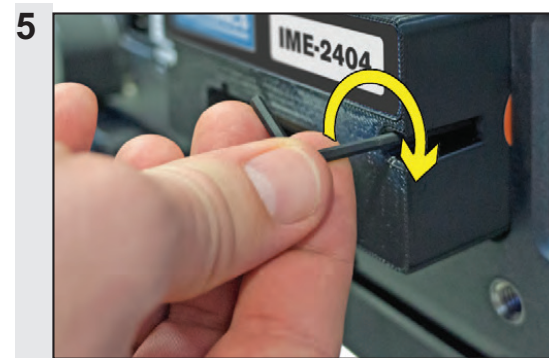
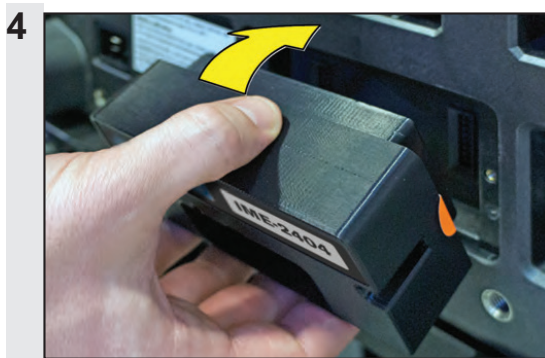
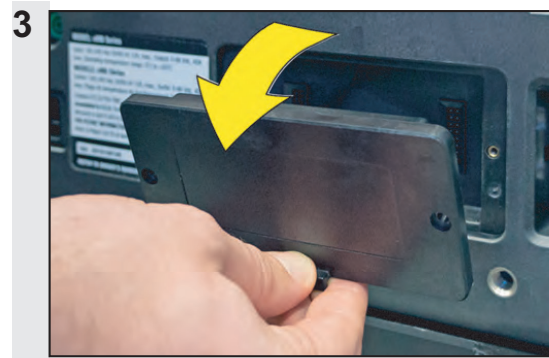
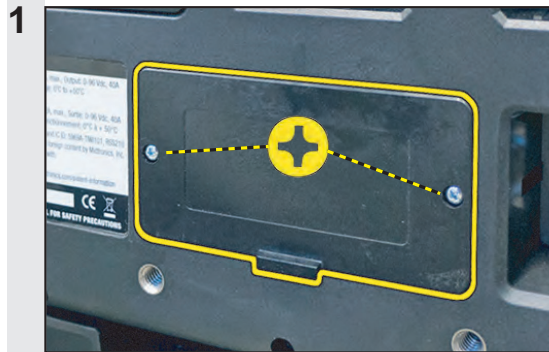
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**PERFORM SOFTWARE UPDATE PRIOR TO INSTALLING IME-2404.
FAILURE TO DO SO WILL RESULT IN PRODUCT SERVICE REQUIREMENT**



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