

VOLVO CAR SERVICE AND PARTS BUSINESS				
Special Tools Bulletin				
TITLE: High Voltage (HV) Module Balancer Tool				
NO: 238	ISSUE DATE: 2020-03-18	CAR MARKET: United States and Canada	Page 1 of 3	
	STATUS DATE: 2020-03-19			

“Right first time in Time”

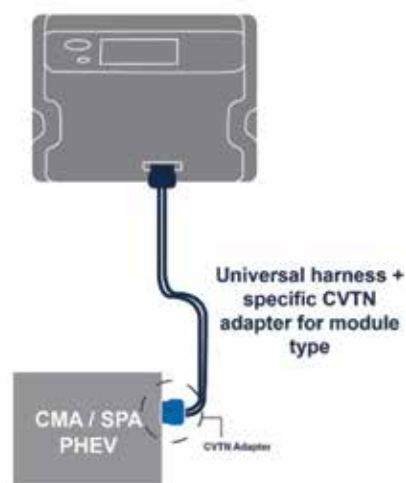
All tools have been classified as required, and will be allocated and billed to all U.S. and Canadian retailers by Volvo.

All tool allocations and tool orders are being handled by the Volvo Parts Operations and the Volvo Parts Distribution Centers.

Due to initial limited supply, tools will be distributed on an as needed basis.

9814249 High Voltage (HV) Module Balancer (Warranty and Repair see page 3)
 9989915 3m US Power Cord (Warranty and Repair see SMB 00-437)
 9513162 (A720 Cable Kit) (Warranty and Repair see SMB 00-437)

- 2M Charging Cable (15A)
- 2M Cell Monitoring Cable
- PHEV SPA Battery Interface
- PHEV CMA Battery Interface



Service Personnel: Read and initial	SERVICE MANAGER	PARTS MANAGER	WORKSHOP FOREMAN	SERVICE TECHNICIANS									

Usability



Module Balance

- Technician enters target voltage
- Technician connects to module
- xMB charges/discharges to set voltage to match other modules in pack

Transportation Discharge

- Technician connects to module
- xMB charges/discharges to preset voltage (under 30% SOC)

Module Diagnostics

- Technician connects to module
- xMB reads cell voltages/temperatures for tech to confirm cell issue

Product Specifications

Power:

- Input: 100 – 240, 50/60 Hz; 12A max.
- Output: 80 V, 15A
- Charge Cables
- 2m
- Power Cord: Accepts C19 locking connector for region-specific
- United States: NEMA 5-15 termination, rated 15A/125V UL CSA
- Lithium ion battery chemistry



Operating Parameters

- Humidity: 15% to 85% R.H., non-condensing

Weight: 17.84 KG (39 LBS)

44 CM (L) X 43.5 CM (W) X 23 CM (H)

Operating temperature range: (32°F to +140°F)

Storage temperature range: (14°F to 185°F)

Certifications

UL 2871	IEC 62477-1
CE	IEC 61000-4-2
RCM	IEC 61000-4-3
RoHS	IEC 61000-4-4
CSA 22.2 #107.1	IEC 61000-4-5
CU EAC	IEC 61000-4-6
KC	IEC 61000-4-11
FCC	IEC 61000-6-4

Connectivity

- USB 2.0 connection

Protection Features

- Reverse polarity

User Interface

- Advanced navigation and charge applications
- 5" Screen

Warranty and Repair

- Administration:

Administered by Midtronics, Inc.

- Warranty Period:

Five (5) years from date of purchase on the High Voltage (HV) Module Balancer #9814249 only.

- Repairs:

Contact Midtronics Customer Support for more information: 1-800-776-1995