
THE VARTA® START-STOP
SERVICE PROGRAM VSSP 2.1
It all starts with VARTA®
GET UP AND RUNNING WITH THE
ALL-IN-ONE SOLUTION FROM VARTA

VARTA® – A STRONG AND CONFIDENT PARTNER YOU CAN RELY ON

Vehicle technology has evolved enormously over the last century and VARTA has been at the forefront of developing both world-class battery technology and innovative services. We have built an unparalleled reputation and earned the trust of leading car manufacturers (OEM) and Aftermarket customers around the world.

For more than 125 years our strong and recognized VARTA brand stands for unrivalled experience, outstanding quality, performance, innovation, service and support you can count on.

Today, we are market leader for automotive batteries and millions of people and workshops rely on us. Choose any of our products, and you can too.

Become our partner, win the trust of your customers and experience excellent business opportunities in the future.



The VARTA product range "Automotive"

CHALLENGES FOR YOUR CUSTOMERS:
NEW TECHNOLOGIES AND PRODUCT RANGES

At present the battery industry is reshaping as Start-Stop technology determines the future. The reason for this is the stringent laws to significantly reduce CO_2 emission of cars set by the EU. The key to achieving this aim are Start-Stop vehicles.

Nowadays workshops must be able not only to service batteries in conventional vehicles but also complex high-tech automobiles equipped with Start-Stop technology and Battery Management Systems (BMS).

VARTA® provides not only quality products but also services and know-how for this future-oriented development.

VSSP 2.1 – the "all-in-one" device for battery service

VSSP 2.1 is the perfect device to cope with all kinds of vehicles and battery types. This device will help you to meet your customers' demands:

- Test battery through OBD socket, no need to access battery directly for diagnostics
- Test batteries outside the vehicle
- Test starter and generator
- Integrated battery catalogue to provide "exact fit" battery recommendation
- Pictured step-by-step instructions for battery replacement
- Battery registration in BMS equipped vehicles (fault code management)
- Detailed diagnostic report

Engine:



Workshops need VSSP 2.1 for battery service



IMPROVE, ACCELERATE AND EXPAND
YOUR BUSINESS WITH VSSP 2.1



The “all-in-one” solution from VARTA®

The VSSP 2.1 communicates directly via the OBD socket with the Battery Management System of the vehicle. It enables the user to test the installed battery, the generator and starter of the car in service. If a battery replacement is required, the device indicates the “exact fit” replacement battery and shows step-by-step instructions, how to replace and register the new battery in the vehicle.

For testing the battery it doesn’t matter if it is a conventional car or a Start-Stop vehicle and whether the battery is installed in the car or not.

The VSSP 2.1 works totally offline and therefore can be used anywhere. For any activity a report will be created. Up to 20 reports can be saved on the device before they need to be transferred to the partner section at ***www.varta-automotive.com***

The most important features of VSSP 2.1

An “all-in-one” device for battery service:

- Offline operating mode for higher flexibility
- Services and tests all kinds of batteries inside and outside the car
- Test starter and generator
- Pictured step-by-step instruction to service complex battery replacements
- Registration of the new installed battery

A high season device for quick replacement:

- Easy car identification via OBD, VIN* or drop down menu
- Integrated battery catalogue to provide the “exact fit” battery recommendation directly at the car in service
- Battery replacements for Start-Stop and even for non Start-Stop vehicles

** Limited coverage*



Weight: 1.1 kg

Valuable benefits for future business

A high-tech device for daily and future business:

- Fast and precise replacement of any kind of battery to increase number of total maintained cars
- Ensures high customer loyalty and reputation for more turnover
- Frequently updated database to provide latest car pool information
- 24 month Roadside Assistance* for your customer for worry free driving

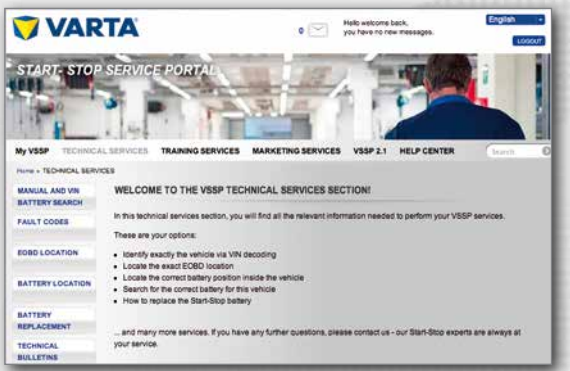
VSSP 2.1 is the ultimate “all-in-one” solution for servicing automotive batteries. It prepares workshops to fulfill the challenges of today and tomorrow!

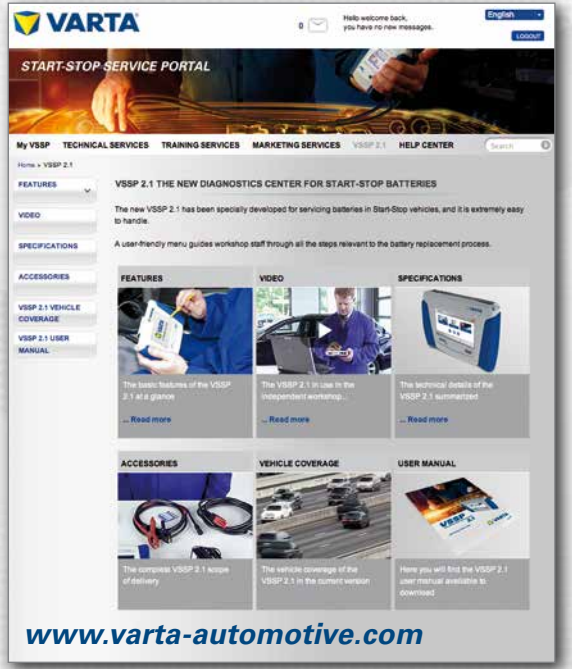
* *Subject to vehicle driver registration on* ***www.varta-automotive.com***

THE SERVICES OF VSSP 2.1
TO IMPROVE CUSTOMER RELATIONSHIP

VSSP 2.1 Partner Section

- Latest technical expertise
- Up-to-date vehicle and battery data and error codes
- Chronological report storage
- Regularly software update
- E-learning
- News on developments and market trends





www.varta-automotive.com

THE VARTA® MOBILITY SERVICE
FOR START-STOP BATTERIES



*VARTA Mobility Service**

- Simple online registration on ***www.varta-automotive.com***
- 2 years complete protection in the case of battery failure
- 24-hour hotline
- On-the-spot breakdown assistance, e.g. jump-starting
- Towing service to the nearest qualified workshop within a range of 30 kilometers



** Subject to vehicle driver registration on* ***www.varta-automotive.com***

THE VSSP 2.1 DEVICE –
BATTERY SERVICE IN ITS SIMPLEST FORM

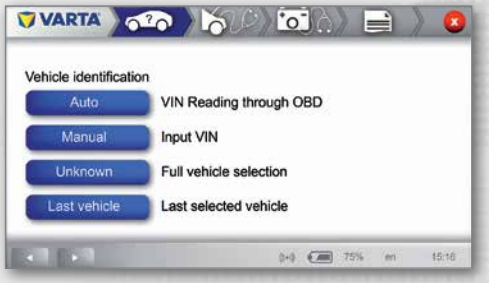


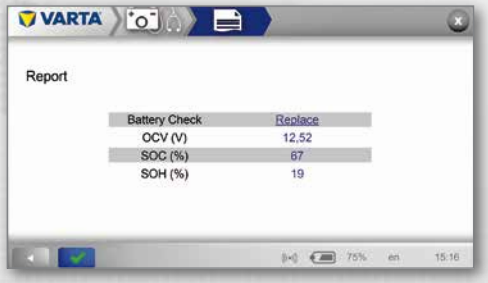
1 ***Test system***
(Vehicle and Battery Management System)

- Vehicle identification automatic, manual (VIN), by drop down menu or last tested vehicle
- ECU diagnostics for reading fault codes of the battery, the starter and the generator
- If a battery replacement is required, step-by-step instructions guide the user through the replacement and registration process for the exact replacement battery, which is ensured by scanning the 2D-Code of the battery

2 ***Test battery***

- Battery diagnostics
- Inside vehicle: via OBD cable in combination with the current clamp (vehicles with BMS) or via alligator clamp (conventional vehicles)
- Outside vehicle: the included alligator clamp can be used as normal battery tester





While operating VSSP 2.1 the user may skip certain procedure steps or go deeper into particular functions according to individual needs.



3 ***Replace battery***

Battery replacement in vehicles with BMS and Start-Stop:

- Fast registration process for vehicles equipped with or without Start-Stop systems
- Recommendation of one “exact fit” battery



ADDITIONAL BENEFITS OF VSSP 2.1 **FOR EASY HANDLING**

Menu structure:

- Flexible: Advanced graphical menu structure allows a more flexible use
- Easy to use:
  - No WiFi communication necessary
  - Replace battery provides fast replacement process without testing and replacement procedure
- Fast response: Access to the last selected vehicle without restarting the selection process

Battery analysis and registration:

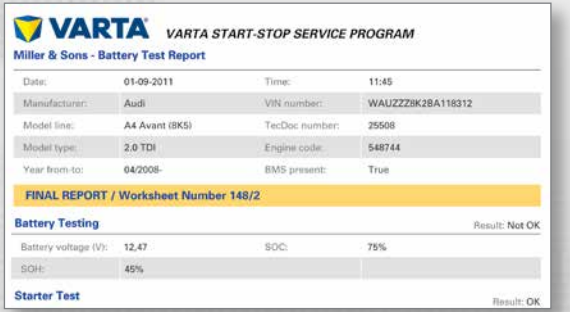
- Reads and erases fault codes from the BMS
- Registration of new batteries

Offline processing/USB stick:

- All data and illustrations are available on the device
- All reports are transferred to the partner section via USB stick

Report of analysis:

- Up to 20 reports can be stored directly on the device
- Reports are chronological saved including VIN number, date of service, duration of service, car details (like make, model, engine). Indication for recharging or replacing the battery, open circuit voltage (OCV), state of health (SOH), state of charge (SOC), test result of the starter test, test result of the alternator test, right replacement battery, and if the battery was replaced.



VARTA VARTA START-STOP SERVICE PROGRAM

Miller & Sons - Battery Test Report

Date:	01-09-2011	Time:	11:45
Manufacturer:	Audi	VIN number:	WAUZZZ8K28A118312
Model line:	A4 Avant (8K5)	TecDoc number:	25508
Model type:	2.0 TDI	Engine code:	548744
Year from-to:	04/2008-	BMS present:	True

FINAL REPORT / Worksheet Number 148/2

Battery Testing — Result: Not OK

Battery voltage (V):	12,47	SOC:	75%
SOH:	45%		

Starter Test — Result: OK

TECHNICAL DATA VSSP 2.1 – **SOFTWARE AND ACCESSORIES**

- WLAN/Wi-Fi 802.11b/g interface with integrated aerial
- Display: 4.3″ TFT with robust touchscreen for stylus and finger
- Integrated 1D/2D scanner
- USB connector
- Chemical-resistant: resistance to petrol and UV light

Software updates for free

VSSP 2.1 partners get free software updates including vehicle coverage for 3 years. Specification charts and instructions are constantly updated.

Accessories:

1. OBD cable (2.5 m)
2. Measurement cable (2.0 m) with alligator clamps
3. Measurement cable (2.5 m) with current clamp
4. Charger with cable
5. 1 set (4 pc.) rechargeable batteries type AAA, 800 mAh
6. USB stick
7. Torx srewdriver, size 8



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For more information and for contact please visit our website:
www.varta-automotive.com

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