



Volkswagen

Service Information

Workshop Equipment

Subject: Pennsylvania - Delaware VW e-Golf Dealers Tooling and Equipment. Minimum Required Tools - Auto Shipment, AT-415 US

Date: Sep. 20, 2018

This circular contains important information regarding e-Golf Tooling and cost savings measures for the New e-Golf dealers in Washington State.

Information on the following topics will be covered in detail.

1. Rental Program - e-Golf Tooling
2. Loaner Program - HV Battery Lifting Tool Kits
3. Auto Shipment - e-Golf Tooling
4. Local Purchase Tooling - e-Golf Dealer Requirements

1. e-Golf Rental Program

To minimize e-Golf dealer tooling costs, the VW Special Tools & Equipment Program is proud to announce the e-Golf Tool Rental Program. As an alternative to auto-shipment as minimum requirements, many tools required to service e-Golf are available as rentals through the VW Special Tools & Equipment Program.

To rent these tools, please contact the VW Special Tools & Equipment Program by calling 800-892-9650. Prior to renting, the dealer is required to complete a Mandatory Rental Agreement. This agreement must be filled out and returned via fax to 800-892-9651.

Volkswagen Special Tools Rental Agreement with Terms & Conditions and pricing can be found by going to www.tools.vw.com, selecting "Additional Resources" and clicking on "Tool Rental" in the drop down menu.



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Special Tools and Equipment Program

1-800-892-9650 SEARCH

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Special service tools are easy to purchase and are available to distributors, dealer and aftermarket. Simply login or create an account using the navigation above.

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521 Replacement Wheel Lock Key - 521 Item # T10313521

7 Replacement Wheel Lock Key - 7 Item # T40004-7

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For your convenience some of these tools have been kitted with like tools.

NOTE: When renting, please specify the exact tool number that you need, the appropriate kit will be sent in overnight shipping. **Do not provide the kit number when renting. Kit contents are subject to change based on usage.**

A list of e-Golf Rental Tools and their uses can be seen below.

e-Golf Rental Tools

Description and Use	Illustration
<p>VAS6558/11 – High Voltage Test Adapter</p> <p>Used to test the high voltage battery (DC).</p> <p><i>Part of e-Golf Rental Toolkit 1</i></p>	
<p>VAS6558/12 – High Voltage Test Adapter</p> <p>Used to test the high voltage battery charging device (AC).</p> <p><i>Part of e-Golf Rental Toolkit 1</i></p>	







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<p>VAS6558/14A – High Voltage Test Adapter</p> <p>Used to test the charging socket (AC).</p> <p><i>Part of e-Golf Rental Toolkit 1</i></p>	
<p>VAS6558/15-1 – High Voltage Test Adapter</p> <p>Used to check whether the HV system is de-energized.</p> <p><i>Part of e-Golf Rental Toolkit 1</i></p>	
<p>VAS6558/18A – High Voltage Test Adapter</p> <p>Used in conjunction with high voltage measuring module VAS 6558A or hand held multi-meter for checking the high voltage cables between the vehicle's charge socket COMBO 1 (DC) and the high voltage battery in the vehicle, as well as the cables between the charge socket COMBO 1 (DC) and the load management system in the vehicle.</p> <p><i>Part of e-Golf Rental Toolkit 1</i></p>	
<p>VAS6558/19 – High Voltage Test Adapter</p> <p>Used to test the DC charger connection (high voltage cable and pilot line) directly in the battery.</p> <p><i>Part of e-Golf Rental Toolkit 1</i></p>	
<p>VAS6558/20 – High Voltage Test Adapter</p> <p>Used in conjunction with the high voltage measuring module VAS 6558A or hand held multi-meter for checking the high voltage cables between the vehicle's charge socket and the high voltage charger in the vehicle.</p> <p><i>Part of e-Golf Rental Toolkit 1</i></p>	
<p>VAS6606/15 – High Voltage Test Adapter</p> <p>Used in conjunction with VAS6606 to test the charge voltage for the high voltage battery on the control unit.</p> <p><i>Part of e-Golf Rental Toolkit 2</i></p>	
<p>VAS6606/17 – High Voltage Test Adapter</p> <p>Used in conjunction with VAS6606 to test the high voltage battery.</p> <p><i>Part of e-Golf Rental Toolkit 2</i></p>	
<p>VAS6606/21 – High-Voltage Test Adapter</p> <p>Used to check the battery regulator on the E-vehicle control unit.</p> <p><i>Part of e-Golf Rental Toolkit 2</i></p>	
<p>VAS6606/22 – Breakout Box - Test Adapter.</p> <p><i>Part of e-Golf Rental Toolkit 2</i></p>	



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<p>VAS5581 – Diagnostic Test Box Used to diagnose self-sufficient high voltage traction batteries. <i>Part of e-Golf Rental Toolkit 3</i></p>	
<p>VAS5581/3A – Adapter Cable Accessory for high voltage diagnosis box VAS 5581. The adapter cable is required for diagnosis tasks on the high voltage battery. <i>Part of e-Golf Rental Toolkit 3</i></p>	
<p>VAS5581/5 – Diagnostic Box - Adapter Cable Used to diagnose high voltage batteries on E-Golf. <i>Part of e-Golf Rental Toolkit 3</i></p>	
<p>VAS5581/10 – Rechargeable Battery Used to supply power to the diagnosis box VAS 5581. <i>Part of e-Golf Rental Toolkit 3</i></p>	

Dealers who wish to purchase tools that are in the e-Golf Tool Rental Program may do so. To order, please contact us at www.tools.vw.com or call us at (800-892-9650).

Orders will be filled through normal channels in the order received.

Dedicated rental tools and their shipping containers will not be sold and must be returned per the rental agreement.



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2. Loaner Program - HV Battery Lifting Tools

As a service to e-Golf dealers, the equipment required to uncrate and lift replacement HV Batteries will be provided as loaner tools.

There are two scenarios in which you will need the HV Battery Lifting tools:

- **HV Battery Replacement** – HV Battery has been diagnosed as defective and requires replacement.
- **HV Battery Removal & Installation** – HV Battery needs to be removed to service another vehicle system.

HV Battery Replacement Tool Kit: When a replacement battery is ordered through VWGoA Parts Logistics, the tools required to remove the existing battery from the vehicle and prepare the replacement HV Battery for installation will be kitted and shipped by truck with the replacement HV Battery. This process will take place automatically and there is no need to contact the VW Tools and Equipment Program to request this tool kit.

Prior to shipping, you will be contacted by the HV Battery Distribution Center to complete a Mandatory Loaner Agreement. **NOTE:** This agreement must be filled out and returned to the HV Battery Distribution Center before shipping of the HV Battery can take place. The use of these tools as outlined in ELSA is critical in avoiding serious damage to the HV Battery. Instructions and return FAX number will be provided by the HV Battery Distribution Center at that time.

There is no cost for return shipping of this tool kit. Return shipping labels and instructions will be provided inside the tool kit shipping container.

HV Battery Removal & Installation Tool Kit: When HV Battery R&I is required, the tools needed to set up your VAS6131 series Scissor Lift Table to remove and install an HV Battery are available as loaner tools through the VW Tools and Equipment Program. To Request these tools, please contact the VW Tools and Equipment Program @ 800-892-9650. **NOTE:** Dual Franchises and dealers who have purchased the VAS6131/10 and VAS6131/13 should not need this kit as it is comprised of components from each. There is no cost for outgoing or return shipping to dealers. Return shipping labels and instructions will be provided inside the tool kit shipping container.

Loaner Terms & Conditions can be found by going to www.tools.vw.com, selecting "Additional Resources" then clicking on "Tool Rental" in the drop down menu.

Dealers who wish to purchase HV Battery Lifting tools may do so. To order, please contact us at www.tools.vw.com or call us at (800-892-9650). All orders will be filled through normal channels in the order received.

Dedicated loaner tools and their shipping containers will not be sold.

The HV Battery Lifting kit must be returned within the time defined in the terms of the loaner agreement, in good, clean, serviceable condition. Tool kits will be inspected for content, cleanliness and serviceability. Tools not meeting the proper criteria will be invoiced to the borrowing dealer accordingly. If a complete tool kit is not returned, the borrowing dealer will be invoiced a flat fee of \$3299.00 as indicated in the Mandatory Loaner Agreement.



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The contents of the HV Battery Lifting Tool Kit can be found in the table below.

HV Battery Replacement Tool Kit	
<p>T10528 – Suspension Device</p> <p>Used in conjunction with existing components from support bracket 10-222 A and workshop crane VAS 6100 to lift HV battery.</p>	
<p>T10528/7-10 – Supplement for Suspension Device</p> <p>Used in conjunction with T10528 when lifting HV Battery.</p>	
<p>T10542A – Adapter</p> <p>Used to transporting the High Voltage (HV) battery in conjunction with lifting tackle 3033.</p>	
<p>T10543 – Suspension Device</p> <p>Used for removing and installing HV battery modules.</p>	
<p>VAS6131/10 & VAS6131/13 Components</p> <p>Used to properly support HV Battery during removal and installation using the VAS6131 Scissor Lift Table.</p> <p>Items included: 5 ea-VAS6131/10-1, 5 ea-VAS6131/10-4, 5 ea-VAS6131/10-5, 2 ea-VAS6131/10-11, 3 ea-VAS6131/13-2.</p> <p>NOTE: These tools are included in the HV Battery Replacement Tool Kit.</p> <p>These tools are exclusively the contents of the HV Battery R&I Tool Kit.</p>	

NOTE: Tools included in the HV Battery Loaner Program are designed to be used with existing Dealer Minimum Required Tooling. If you do not have the following Minimum Required Tools you will need to purchase prior to performing an HV Battery replacement.

- VAS6131, VAS6131A or VAS6131B Scissor Lift Table – Requirement is 1. Please ensure your VAS6131 series Scissor Lift Table is serviceable prior to HV Battery replacement.
- 10-222A – Requirement is main support beam of 10-222A kit.
- 10-222A/7 Component of 10-222A - Requirement is 4. Please ensure you have four 10-222A/7 prior to HV Battery replacement.



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3. e-Golf Minimum Required Tool Auto Shipment AT-415

VWGoA would like to inform you of the release and automatic delivery of required Special Tools which are used on the new e-Golf.

Additional individual pieces of this package may be ordered from the VW Tools and Equipment program after the automatic shipment takes place.

For shipping & billing inquiries, please contact the VW Tools and Equipment Program @ 800-892-9650.









<u>Franchise Type</u>	<u>Package Qty</u>	<u>Dealer Price USA</u>
VW	15 Tools	\$2,599.80

VW AT-415

Tool Description	Illustration
<p>10-222A/10 – Engine Support - Bracket w/Spindle and hook Used to support battery transportation. 4 pieces needed per dealer e-Golf Dealers</p> <p>This tool has been delayed by the manufacturer and will be released at later date.</p>	
<p>VAS5579 – 8-Pin DSO / Test Instrument Adapter Used to test various electrical signals of components. e-Golf Dealers</p>	
<p>VAS5583 – 10 Pin DSO / Test Instrument Adapter Used to test various electrical signals of components. e-Golf Dealers</p>	
<p>VAS6558/9-5 – High Voltage Test Adapter Used for taking measurements on the high voltage system (adapter cable to VAS 6558/9-4) e-Golf Dealers</p>	





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Tool Description	Illustration
<p>VAS6558/9-6 – Hybrid Test Module - Test Adapter HVA280</p> <p>Used to check that the high voltage system is free of voltage.</p> <p>e-Golf Dealers</p>	
<p>VAS6558/16 – High Voltage Test Adapter</p> <p>Used to measure the insulation resistance in the battery (traction network connection) and the traction network cable as well as testing the pilot line.</p> <p>e-Golf Dealers</p>	
<p>VAS6786 – Warning Sign - "Battery"</p> <p>Used to warn of the working and storage area of high voltage batteries.</p> <p>e-Golf Dealers</p>	
<p>VAS6871 – Warning Sign - "Do Not Insert"</p> <p>The warning sign that reads "Do not insert". Used to secure against plugging in the charging adapter when working on the high voltage systems.</p> <p>e-Golf Dealers</p>	
<p>VAS6881 – Warning Sign - "Do Not Enter"</p> <p>Used on high-voltage cordon - No unauthorized access.</p> <p>e-Golf Dealers</p>	
<p>VAS6882 – Warning Sign - "No fire"</p> <p>Used on high-voltage cordon - No fire, naked flames or smoking.</p> <p>e-Golf Dealers</p>	
<p>VAS6884 – High-Voltage Cordon</p> <p>Used to cordon off HV work station, quarantine location and vehicles that cannot be disconnected from power supply.</p> <p>e-Golf Dealers</p>	
<p>VAS6886 – Temperature gauge (infrared)</p> <p>Used for thermal testing (surface) of lithium-ion batteries.</p> <p>e-Golf Dealers</p>	



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<p>T10541 – Seal Installer (Thrust Piece) Used for installing oil seal to flange shaft e-Golf Dealers</p>	
<p>3282/71 – Adjusting Plate Used to adjust the gearbox support 3282 when removing and installing the three-phase drive. e-Golf Dealers</p>	
<p>T40262 – Service Disconnect Lock Used to prevent high-voltage system being switched on inadvertently. e-Golf Dealers</p>	