


VOLVO CAR SERVICE AND PARTS BUSINESS			
<h1>Special Tools Bulletin</h1>			
TITLE: Electric Vehicle Insulated Tool Offer			
NO: 248	ISSUE DATE: 2021-04-13	CAR MARKET: United States	Page 1 of 10
	STATUS DATE: 2021-04-13		

“Right first time in Time”

Volvo Car USA has partnered with Wurth USA for an Insulated hand tool offer. The insulated tools being offered were carefully selected working closely with our Training Instructors. The kit includes the hand tools necessary for a technician to safely work on Battery Electric Vehicles. Tools are provided in (2) two transportable carry cases with laser cut high density foam.

For more information regarding the kit contact your Wurth representative.

For ordering: E-mail Angelo Hardeen, Wurth USA national account program manager:
angelo.hardeen@wurthusa.com

It is necessary to have an active Wurth USA account linked through the Volvo-Wurth partnership program. Please complete Volvo Wurth partnership program enrollment form to set up an account.

Shipping May 2021

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

VOLVO – WÜRTH USA PARTNERSHIP ENROLLMENT FORM

Yes, I would like to enroll in this program and acknowledge I will be invoiced directly from Volvo Car USA, per partnership program details

Location Information

Dealership Name: _____

Dealer Code: _____ # of Techs: _____

Address: _____

City: _____

State: _____ Zip Code: _____

Phone Number: _____ Ext. _____

Account Information

Business Code(s): B1122 - Body C1519 - Service

Würth Sales Rep #: _____ Würth KAM Name & #: Angelo Hardeen #1694

Existing Würth Customer? _____ If yes, Würth Account #: _____

NA Code: VL **Price Group:** VL **Link to:** 3000000

Authorized Signature: _____ Date: _____

Print Name: _____ Phone: _____

Title: _____ E-Mail: _____

Please e-mail completed form to:

angelo.hardeen@wurthusa.com or

Click here:

Attach the following documents:

- Tax Certificate (Resale Certificate)

ELECTRIC VEHICLE HAND TOOL KITS

Created by Volvo Car USA and brought
to you **exclusively by Würth USA**



LEADERS IN ELECTRIC VEHICLE INNOVATION

KEEP QUALITY CONSISTENT WITH THIS HAND-SELECTED
COLLECTION OF ELECTRIC VEHICLE (EV) HAND TOOLS



WÜRTH USA INC. E-MOBILITY

GUIDELINES • FAQ'S • LIMITED WARRANTY POLICY

All hand tools meet requirements for working in systems with up to 1,000 volts alternating current (AC) or 1,500 volts direct current (DC).

Due to the specialist nature of EV Hand Tools, we always suggest that they are stored in a tool storage bag, case, or cabinet and prevented from touching each other (or any other tools). In other words, they are safely segregated to avoid any damage to the insulation. Furthermore, we recommend that prior to use, the tool is removed from its safe storage location and the insulation carefully inspected prior to commencing work. After the work is completed, each tool should be inspected again for any damage. If any damage is found, the tool should be taken out of service immediately and replacement ordered—if there is any doubt at all about the integrity, do not use the tool!

What is VDE?

The VDE Testing and Certification Institute is a nationally accredited institution in the field of testing and certification of electrical engineering devices, components, and systems. These electrical products are tested for safety, electromagnetic compatibility and other product properties.

What is IEC 60900:2004?

An international standard for which among many things, describes the design of insulated tools in details.

Such details for example can include the thickness of the protective insulation required. Additionally, the standard defines individual tests (piece tests) as well as series and random sample tests for checking the electrical safety of the protective insulation.

Cleaning & Care:

Maintain integrity of insulated tools by keeping them clean, dry and contaminant free. For cleaning, a soft cloth is recommended with a non-corrosive cleaner, like dish soap & water (do not immerse into water and ensure tools are thoroughly dry before storing and for future use). Non-aggressive cleaning wipes can also be used.

WÜRTH USA INC. LIMITED WARRANTY POLICY:

This limited warranty policy represents Würth USA Inc.'s commitment to our customers and our effort in ensuring the quality of our products. These EV hand tools are covered by a standard 12-month warranty, from date of purchase, against defects caused by either design or manufacturing. This Limited Warranty Policy does not apply to any malfunctions caused by; (i) normal wear and tear, (ii) unreasonable and/or improper use, abuse, storage, cleaning & care, (iii) repair or service by unauthorized persons, and (iv) modifications and/or alterations made without manufacturing permission. A proof of purchase is required for warranty claims. Contact your sales representative for warranty assistance or call 1.800.987.8487 for your nearest authorized Würth USA sales representative.

ELECTRIC VEHICLE TOOL KIT

Art. No. 1965715613 // \$2,002.20

Volvo retailers can find information and details of the program on the Volvo Cars Retailer Portal with a keyword search of "EV Tool Program". All EV Hand Tool pieces shown belong to a kit. Individual articles available via Special Order and kit contents are subject to modifications.



ZEBRA VDE SCREWDRIVER SET - 5 PIECES

Especially suitable for electric and hybrid vehicles

Art. No. X061396325



VDE Screwdriver Flat slotted:

- Slot 0.4 x 2.5 mm, **1 qty**
- Slot 0.8 x 4.0 mm, **1 qty**
- Slot 1.2 x 6.5 mm, **1 qty**

- Blade: bronzed, insulated
- Standard: Individually tested in accordance with IEC 60900:2004

VDE Screwdriver PH recessed head

- PH1 **qty 1**
- PH2 **qty 1**



ZEBRA VDE FLAT-SLOTTED SCREWDRIVER

Especially suitable for electric and hybrid vehicles

Art. No. X061363108



- Blade: burnished, insulated
- Tip: based on DIN ISO 22380-1-B
- Individually tested in water bath with 10kV test voltage
- Marked with year of manufacture
- Stricter cold impact test

VDE Screwdriver Flat Slotted: Slot, 1.2 x 8 mm (5/16") **qty 1**



ZEBRA TORX VDE SCREWDRIVER SET - 6 PIECES

Especially suitable for electric and hybrid vehicles

Art. No. X061396235



- Blade: burnished, insulated
- Tip: TX socket, black point
- Screw symbol and handle size on the end of handle for quick identification
- Standard: IEC 60900:2012

VDE Screwdriver Torx:

- Tx 8 **qty 1**
- Tx 9 **qty 1**
- Tx 10 **qty 1**
- Tx 15 **qty 1**
- Tx 20 **qty 1**
- Tx 25 **qty 1**



ZEBRA TORX VDE SCREWDRIVER

Especially suitable for electric and hybrid vehicles

Art. No. X061362330



- Blade: Burnished, insulated
- Tip: TX socket, Black Point
- Screw symbol and handle size on end of handle for quick identification
- Standard: IEC 60900:2012
- TX 30 **qty 1**

TORX VDE SCREWDRIVER

Especially suitable for electric and hybrid vehicles

Art. No. X32561



- Insulated 1,000 volt rated, 10,000 volt tested
- Meets ASTM, IEC, VDE, EN, ISO, NFPA
- Handle and insulation molded on for maximum durability

VDE Screwdriver, Torx; 40 **qty 1**



ZEBRA VDE PLIERS ASSORTMENT IEC 60900—4 PIECES

Especially suitable for electric and hybrid vehicles

Art. No. X071401581



- Rated for working up to 1000 volts (AC) and up to 1500 volts (DC), observing all prescribed safety precautions
- High-quality tool steel ensures long tool life and precision of gripping and cutting surfaces
- Ergonomic and slip-free 2 component comfort handle with wide VDE collar for secure working
- Combination pliers with extra-long blade also suitable for thicker cables
- Stripping pliers with opening spring for automatic opening
- Snipe nose pliers with tips for high bending stresses
- Side cutters with slim head shape for optimal accessibility

VDE side cutters DIN ISO 5749 IEC 60900 **qty 1**

VDE combination pliers DIN ISO 5746 IEC 60900 **qty 1**

VDE snipe nose pliers DIN ISO 5745, IEC 60900 **qty 1**

VDE cable cutters with single blade **qty 1**

VDE BOX WRENCH



Especially suitable for electric and hybrid vehicles

- Material: Chrome-vanadium steel
- EN Standard: 60900
- Surface: VDE insulated

Width Across (flats)	Length	External diameter of ring	Art. No.	P. Qty/unit
8 mm	164 mm	19.5 mm	X715002308	1
10 mm	174 mm	20.5 mm	X715002310	1
12 mm	184 mm	22 mm	X715002312	1
13 mm	205 mm	26 mm	X715002313	1
14 mm	205 mm	30 mm	X715002314	1

VDE 3/8 INCH SOCKET WRENCH HEXAGON 6 POINT - MID DEPTH

Especially suitable for electric and hybrid vehicles



- External Drive WS 3/8
- Socket Wrench Depth: 10 mm
- Length: 45 mm
- Standard: EN60900
- Surface: VDE insulated

Width Across (flats)	Art. No.	P. Qty/unit
8 mm	X715003108	1
10 mm	X715003110	1
12 mm	X715003112	1
13 mm	X715003113	1
14 mm	X715003114	1
17 mm	X715003117	1

INSULATED SOCKET 3/8" TORX 30

Art. No. XTMS38T30



- Qty 1
- Made of alloyed and hardened steel
- Customized socket sets available
- Tested to EN/IEC 60900 (latest edition) usable up to 1000V AC/1500V DC

3/8 SOCKET WRENCH HEXAGON 6 POINT - MID DEPTH

Especially suitable for electric and hybrid vehicles

Art. No. XSK380607



- Qty 1
- Manufactured from alloyed and hardened steel
- 40 mm length
- Size/Width Across (flats) 7mm
- Tested to EN/IEC 60900 usable up to 1000V AC/1500V DC

VDE 3/8 INCH SOCKET WRENCH HEXAGON 6 POINT - DEEP DEPTH

Especially suitable for electric and hybrid vehicles



- External drive: WS 3/8
- Length (L1): 80 mm

Width Across (flats)	Art. No.	P. Qty/unit
8 mm	X71500308	1
10 mm	X71500310	1
12 mm	X71500312	1

VDE WOBBLE EXTENSIONS 3/8 INCH DRIVE

Especially suitable for electrical and hybrid vehicles

Art. No. X071500301



- Qty 1
- Rated for working up to 1000 volts (AC) and up to 1,500 volts (DC), observing all prescribed safety precautions
- Length: 150 mm, 5.9 inches

VDE WOBBLE EXTENSIONS 3/8 INCH DRIVE

Especially suitable for electrical and hybrid vehicles

Art. No. XEHVEXB383



- Qty 1
- Manufactured from alloyed and hardened steel
- 250 mm length, 9.8 inches
- Tested to EN/EC 60900, usable up to 1000V AC/ 1500V DC

VDE 3/8 INCH RATCHET

Especially suitable for electric and hybrid vehicles

Art. No. X715003038



- Qty 1
- Rated for working up to 1000 volts (AC) and up to 1500 volts (DC), observing all prescribed safety precautions
- Length: 200 mm

VDE 3/8 INCH TORQUE WRENCH

Especially suitable for electrical and hybrid vehicles

Art. No. X30138



- Qty 1
- Full visible reading scale for easy reading and setting
- Locking end cap and torque setting adjustment
- Insulated to EN/IEC 60900:2004, ASTM F1505 CSA standards
- Range: NM: 5NM - 50NM
- Ft-Lb Range: 4 ft/lbs - 37 ft/lbs





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WURTH USA Inc.
93 Grant Street
Ramsey, NJ 07446
1-800 WURTH USA (987-8487)
www.wurthusa.com

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Printed in New Jersey

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