

## WARRANTY CARD

1. KH Trading machines and tools are covered by 6/24 months warranty, starting on the date of purchase, as described in the Civil Code (proof of purchase or invoice receipt must be enclosed with the warranty card when making a claim).
2. This warranty does not cover defects caused by unprofessional handling, machine overloads, not complying with instructions contained in this manual, using accessories that are not approved, unauthorized repair, regular wear and tear and damages occurred during transport. Further, this warranty does not cover parts and accessories such as the motor, carbon brushes, seals and hot-air operated parts and parts that need to be changed regularly.
3. If the repair is to be found as not covered by the warranty policy, all costs including the repair and shipping to and from the repair centre will be paid by the customer, according to valid price list. See www.
4. When making a claim, you must present the warranty card, showing the date of the purchase, the serial number of the machine, vendor stamp and signature of sales clerk, as well as the proof of purchase receipt.
5. Warranty claim shall be made at the vendor shop where you bought your machine or you may mail it to a service centre. The vendor is obligated to fill out the warranty card (date of sale, serial number, vendor stamp and signature). All these information must be filled in at the time of sale.
6. The warranty period will be extended for the period of time for which the machine has been in the service centre possession. If the repair or defect is not covered by the warranty policy, all costs including the repair and shipping will be paid by the owner of the machine / tool. We recommend sending the machine in its original packaging. Please, also enclose brief description of the defect with the packaging.
7. Before sending the machine for repair, clean it thoroughly. If the received machine is dirty, it may be rejected by the service shop or you may be charged a cleaning fee.

### SERVICE

Logistic centre Klecany

Topolová 483

250 67 Klecany

Czech Republic

Claim department phone number: 266 190 156

T-mobile: 603 414 975

266 190 111

O2: 601 218 255

Fax: 260 190 100

Vodafone: 608 227 255

<http://www.KHnet.cz>

Email: [servis@KHnet.cz](mailto:servis@KHnet.cz)

Product: <b>VEHICLE BATTERY TESTER J027</b>	
Type: <b>J027</b>	Serial number (product series):
Date of manufacture:	Repair centre notes:
Date of sale, stamp, signature:	

**Without the correctly filled warranty card or without proof of purchase receipt, including the product type (invoice, purchase receipt) no warranty claim will be processed.**

# uni-max

## USER'S MANUAL

# VEHICLE BATTERY TESTER J027



## J027



## MAINTENANCE

- Keep your tools clean. Dirt from tools may enter the inner machine mechanism and cause damages to the tools or machine.
- Do not use aggressive cleaning solution or paint thinners to clean the machine.
- Clean plastic parts with soft cloth dipped in soapy water.
- Clean and lubricate metal surfaces with a cloth dipped in paraffin oil.
- Store the machine well lubricated in a dry place to protect it from corrosion and rust.

Detailed description of the use of this device is not included in this manual, because the manufacturer / distributor assumes that the user is experienced in similar type of work. Also according to the applicable law, this device is considered as a commonly sold and used tool. If the user is unfamiliar with the use of this device, we recommend finding out more information about using this device at the Department of work safety.

## DISPOSAL

When the operational life of your device is over, dispose off it in accordance with valid rules and regulations. Your product is made of metal and plastic parts that may be recycled when separated.

1. Disassemble all parts.
2. Separate all parts according to the material they are made of (e.g. metals, rubber, plastics, etc.). Take the separated parts to the recycling facility near you.
3. Electrical waste (used electrical power tools, electric motors, recharging equipment, electronics, accumulators, batteries etc.).

Dear customer. In accordance with the valid regional rules and regulations describing the management of electrical waste, electrical waste is considered dangerous.

Disposal of electrical waste must be therefore handled as dangerous waste in accordance with waste management rules valid in the state you are in.

It is prohibited to mix electrical waste with regular household waste.

You may return your used electrical appliance to a recycling facility near you. More information about electrical and dangerous waste disposal may be obtained from your local authority or from the Internet.

## CAUTION

If the machine breaks down, send it back to the vendor for quick repair.

Please, enclose brief description of the defect. That makes repair easier. If the machine is still covered by warranty, enclose the warranty card and proof of purchase receipt. After the warranty period expires, we repair your machine for a special price.

To prevent possible damages during shipping, packed the machine carefully or use the original packaging material. We are not liable for shipping damages due to incorrect packaging of your machine. If making a claim at the shipping company the level and method of packaging plays a major role during claim evaluation process.

**Note:** Pictures and contents in this manual may slightly differ from the actual product or accessories. It is due to continuous improvement of our products. Such small differences have no effect on the product functionality.

## SAFETY PRECAUTIONS

- **This device may be used by a qualified person, 18 years or older who has been trained in work and environmental safety procedures.**
- **Any person using this equipment must possess a medical certificate demonstrating his eligibility to operate this equipment.**

### Symbols used in this manual



**Warning!**

This symbol informs you about the risk of personal injury or damage to the machine or materials.



**Warning!**

Risk of damage.



**Note:**

Additional information.



**Do not smoke during work.**



**General instructions**

- Plastic packaging materials pose danger to children and animals.
- Make sure you know how to control your tool or machine and that you are familiar with its operating procedure. Know the hazards that may occur, if not used correctly.
- If other person is using this machine make sure that he knows how to safely operate this equipment and that he is familiar with hazards and risk that may occur, if not used correctly.
- Pay special attention to safety notes and safety labels on the machine. Never remove or damage them. If the warning label becomes unreadable, please contact your vendor.
- Keep your working place clean. Dirty and disorganized workplace may cause accidents.
- Never work in tight spaces or in purely lit rooms. Make sure the floor is solid and stable and that you can move around easily. Always keep stable posture.
- Keep focusing and use common sense. Do not continue working if you cannot pay attention.
- Maintain your tools clean and in safe working conditions.
- Handles must be kept free of grease and dirt.
- Make sure no children, unauthorized persons or animals have access to your workshop.
- Never put your hands or legs inside the working area.
- Never leave your machine unattended during operation.
- Use only for purposes for which it has been designed.
- Use personal protective gear such as safety goggles, ear protection, respirator, safe working shoes etc.
- Do not overreach, use both hands.
- Never work under the influence of alcohol or other drugs.
- Do not use the machine/tool if you feel dizzy or weak.
- Any modifications or improvements to the machine are strictly prohibited. If you discover any cracks or damages to the machine, do not use.

- Never perform any maintenance during operation.
- If you see any unusual sign or hear any strange sound, switch of machine immediately.
- Do not forget to remove all wrenches and screwdrivers from the machine after use.
- Before use, make sure all screws are tightened securely.
- Perform maintenance regularly. Before use make sure the machine is in good working conditions and without any damage.
- Use only original spare parts during repairs.
- Using accessories or extension pieces not approved by the manufacturer may cause injuries.
- Use this machine only for work that could be handled by it. Do not overload tools, accessories or the machine. For large work volume use more powerful machine.
- Do not overload the machine. Measure the work load in such way, so it could be done with comfortable speed. Damages due to machine overload are not covered by the warranty policy.
- Do not expose to extremely high temperature or direct sunlight.
- This machine is not designed for use in humid environments or under water.
- If you are not using your equipment, store it in a dry and locked place, out of reach of children.
- Before use, inspect all safety elements and make sure they work as designed. Make sure all moving parts are in good working conditions.
- Inspect all parts for cracks and damages. Make sure movable parts are not stuck and set properly. Also take into consideration other conditions that may have a negative effect on the proper function of your machine.
- If not stated otherwise in this manual, all damaged parts and safety elements must be repaired or changed.



#### **Fine mechanics**

- Never use a vise to hold your machine.
- Protect your machine from fall and impact. When you finish your work store your equipment back inside the briefcase.



#### **Assembly**

- Do not use the machine unless completely assembled.



#### **Automotive repair shop equipment**

- Before performing any maintenance, shift the gear into neutral, apply the vehicle hand break or use other means to prevent the vehicle from accidental move.



#### **Electrical equipment**

- Observe all basic safety rules when using electrical equipment to prevent risk of fire, injuries by electrical shock and other hazards. Before using this device, read this manual entirely and follow all safety instructions.
- Never carry electrical tools and appliances by their power cord.
- Protect the power cable from high temperatures, oils, paint thinners and make sure that the cable is not hanging over sharp edges.
- Inspect the power cable regularly. If damaged have it replaced by qualified technician.

## **ASSEMBLY**

- Before throwing the packaging material out, make sure no part is left inside. If so, take it out and install it. Use the part listing for check-up and the installation drawing for guidance.

## **OPERATION**

**The tester is equipped with magnetic connector to make connection to the vehicle body easier and to enable you using both hands during work.**

**Observe the correct tester cable polarity, as well as the polarity of the battery terminals. Otherwise you are risking damaging your device.**

**Before starting the vehicle engine, make sure that no body parts, clothing or cables may be caught by moving engine parts.**

**Make sure the vehicle is prevented against movement, the parking break is on and that the gear is shifted into neutral.**

#### **Battery measurements**

**The measurement must be done before driving and the parking lights and low headlights must be switched on during the measurement. The temperature of the environment has also effect on the measurement results. The lower the temperature the lower the voltage and capacity of the battery. Measurement must be done with the engine switched off.**

**Warning. Incorrect connection of the tester cables will cause its destruction.**

- Connect the (-) clamp (black wire) to the negative (-) battery terminal or to the vehicle body. The contact between the clamp and the body must be good.
- Press and hold the red cable on the plus (+) battery terminal.
- The LED diodes indicate the battery status.

#### **Note:**

- If diodes 1, 2 and 3 are lit, the battery is fully charged.
- If diodes 1 and 2 are lit, the battery is partly charged.
- If only diode number 1 is lit, the battery is empty.

#### **Alternator measurements**

**Measurement must be done with warm and running engine.**

- Connect the (-) clamp to the negative (-) battery terminal.
- Press and hold the red cable on the plus (+) battery terminal.
- The LED diodes indicate the recharging system status.

#### **Note:**

- If diodes are lit, the recharging system and alternator are working properly.
- If diodes 1, 2, 3, 4 and 5 are lit the recharging voltage is lower then it should be. Have the system checked at a service shop.
- If only diodes 1, 2, 3 and 4 are lit the recharging voltage is insufficient. Inspection and repair is necessary.