



MATCO TOOL Bluetooth Battery Tester User Manual

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Bluetooth
BatteryTester

MDMAXBATTERY



The study, understand, and follow all instructions provided with this product. Read these instructions carefully before installing, operating, servicing, or repairing this tool. Keep these instructions in a safe, accessible place.

Caution: To help prevent personal injury,

- Never use this tool for any application other than for which it was designed.
- Never alter or modify this tool in any way. Improper operation and/or maintenance of the tool, or modification of the tool could result in serious injury or death.
- Do not begin repairs without assurance that the vehicle is in secure position, and will not move during the repair.

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INTENDED USE OF THE TOOL

This battery tester is designed as an add-on module, which can work with the specific scanner of the MATCO family to test vehicle batteries.

Do not use this tool outside of the designed intent. Never modify the tool for any other purpose or use.

PRODUCT INFORMATION

Applicable battery types: 6V/12V(Lead-acid battery, GEL battery and AGM battery).

Support battery standards: CCA, BC, CA, MCA, JIS, DIN, IEC, EN, SA E, GB.

Made in China to Matco specifications

CUSTOMER SERVICE CENTER

If you have any questions on the operation of the tool, please contact Matco customer service number: 877-853-3738.

FCC STATEMENT

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

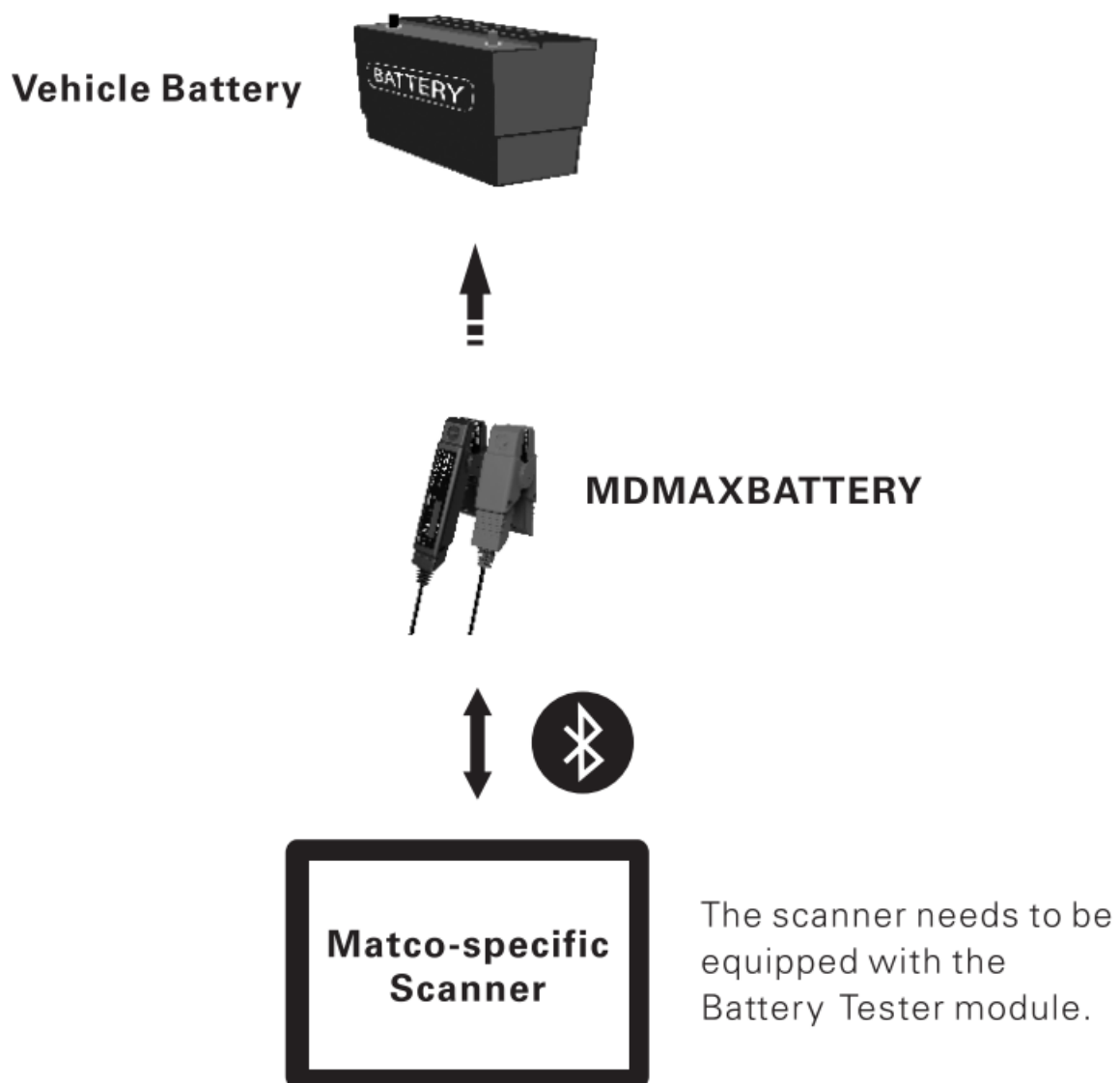
- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for help.
- FCC 1111AUKIMMAXRATTERY



Note: Pictures illustrated here are for reference purposes only. Due to continuing improvements, the actual product may differ slightly from the product described herein, and this User Manual is subject to change without notice.

Working Principle

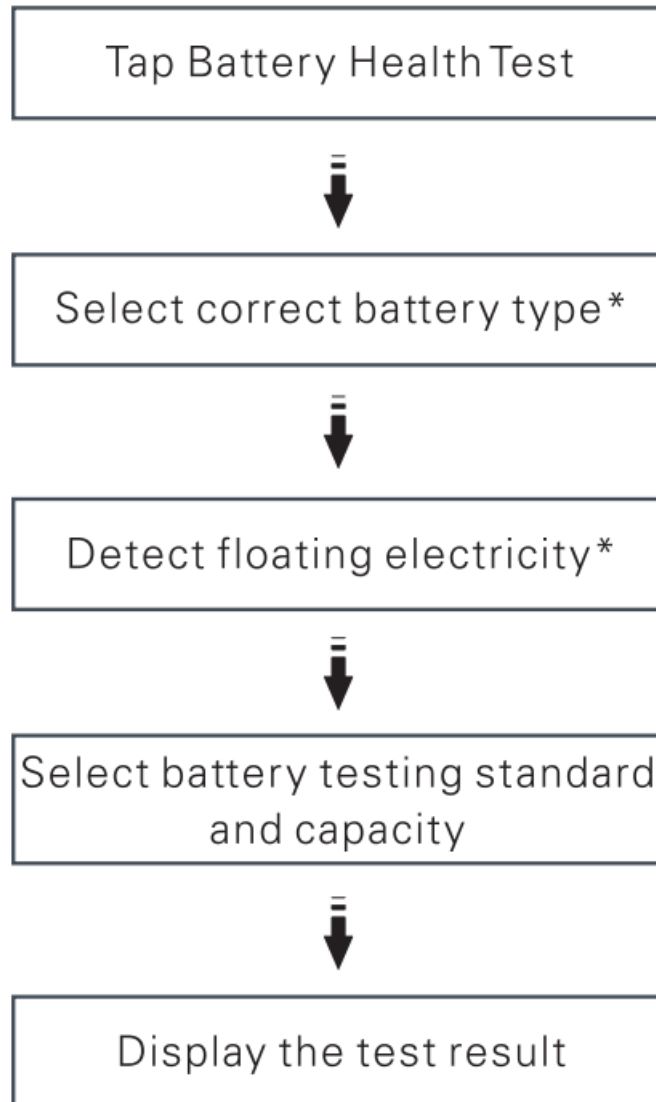


Connection & Bluetooth Pairing

1. First, clamp the BLACK and RED clips of the battery tester on the Negative (-) and Positive (+) terminals of the vehicle battery respectively.
2. Open Battery Tester App.
3. In the pop-up Bluetooth list, select the Bluetooth name (starting with MAXBATTERYxxx) of the battery tester to be paired.
4. After pairing, it can be used normally.

Battery Health Test

Used to analyze the health status of the automobile battery, calculate the actual cold starting ability of the battery, judge the aging degree of the battery, and provide reliable analysis basis for the test and maintenance of the battery.



Note: For any doubt on battery type, tap the link on the bottom of the screen to learn how to identify it.



Note: Floating electricity indicates the virtual power left by the car when it is started. If floating electricity is detected, please turn on the headlamp to remove it.

Start System Test

It is mainly to detect and analyze the starting motor, detect the actual starting current and starting voltage required by the starting motor, so as to judge whether the starting motor is normal or not. Problems with the starting motor may be caused by the following: the lubrication system is faulty, causing the motor to start with the increase of load torque, the rotor of the starting motor sweeps the bore, resulting in the increase of self friction of starting motor.



Note: The battery health test must be done before performing this test.

1. Tap Start System Test. Turn off all electrical components, including lights, radio A/C, etc., and stop the engine before the test, tap OK to confirm.
2. Start the engine according to the prompts on the screen. After the start, the system will display the start voltage detection result.

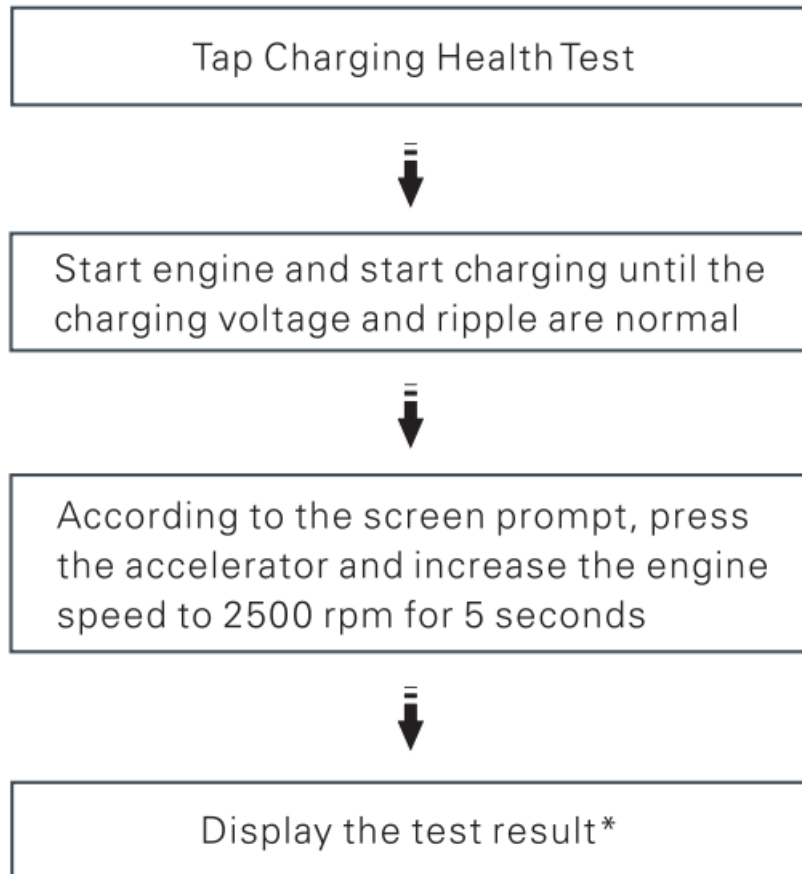
Charging Health Test

This function mainly detects and analyzes the vehicle charging system, including generator, rectifier, rectifier diode, etc. Through this test, we can determine if the output voltage of the generator, the rectifier diode, and the charging current is normal.

If one of the above-mentioned parts is not normal, it will lead to overcharge or undercharge of the battery, thus the battery will be rapidly damaged and also greatly shorten the service life of other loaded electrical appliances.




Note: The battery health test must be done before performing this test.



Note: On-load voltage shown in the test result indicates the charging voltage when there is a load. It evaluates the on-load capacity of the generator. When different auto parts are opened, the load voltage will be generated. The on-load voltage will greatly vary depending on the auto parts being opened.

Documents / Resources



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