



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR TOOL No. 5500

JIMS® ONBOARD DIAGNOSTIC VOLTMETER IS DESIGNED TO INDICATE BATTERY VOLTAGE AND CHARGING SYSTEM STATUS AT THE TOUCH OF A BUTTON. IT CAN BE USED ON ANY VEHICLE WITH A 6 OR 12 VOLT DC ELECTRICAL SYSTEM.

Before installation, read the entire instruction sheet to familiarize yourself with general principles of operation and installation. As with any electrical component, use caution when working with electrical systems and batteries. Disconnect battery ground wire at the negative terminal of your battery before installation.

Caution: *Contact across both battery terminals or between the positive (+) terminal and the frame or any grounded (-) object will cause a direct short. Resulting sparks can cause a battery explosion. Always replace rubber protective boots on positive (+) terminals and their connectors. Wear eye protection or a full face shield.*

Recommended Tools:

- 10mm socket or combination wrench
- No. 2 Phillips screwdriver
- Test light or multimeter
- Service Manual for year and model motorcycle being serviced

1. Remove seat to gain access to battery. If battery is under a side cover or in an alternate location, refer to service manual to properly access the battery.

2. Decide where you will locate the Onboard Diagnostic Voltmeter.

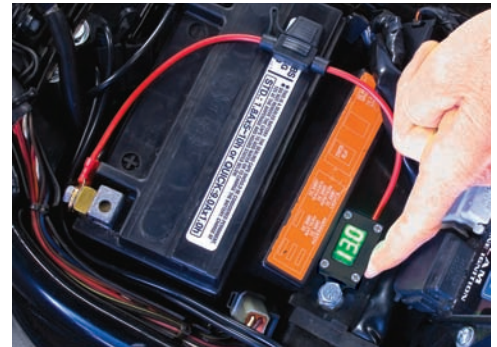
Although JIMS® voltmeter is water resistant, it is not water proof. This should be considered when deciding where to place it on the motorcycle. The voltmeter can be mounted directly to the negative battery terminal using the mounting hole of the backplate. This is where the gauge gets its ground signal. You can extend the ground by mounting the ring terminal of the supplied ground strap to the backplate mounting hole and connecting the other ring terminal to the negative battery post or a ground lug.

3. The positive wire with the fuse holder connects to the positive battery terminal or any wire that has positive voltage. Some wires may only have power when the ignition switch is in the on position. To check if a wire has power, consult the service manual wiring diagram for the year and model vehicle you are working on. You can use a test light or multimeter to determine if a wire has power when the ignition switch is on, or if it is powered constantly. Pressing the button on the voltmeter will indicate battery voltage when connected properly.

4. The fuse in the fuse holder is a 7.5 AMP fuse. If it blows, do not replace it with anything larger than 7.5 AMPS. Make sure you figure out why the fuse blew in the first place. If the problem is not corrected, the replacement fuse will blow again.

5. Other locations for mounting the Onboard Diagnostic Voltmeter can be the dash, inner fairing, or on handlebars with proper mounting hardware. It is your choice to use the location that works best for you.

6. Re-connect battery and re-install seat or side cover following the service manual for year and model bike. To view the present state of charge, press the button to view standing voltage. JIMS Onboard Diagnostic Voltmeter can be used to view voltage drop in real time while cranking the engine. It will also indicate over-charging or charging system failure and may save or extend your battery life.



CAUTION: WEAR SAFETY GLASSES OVER YOUR EYES.
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