

Vehicle Circuit Probe

While the tool is in DC voltage mode, by using the probe tip in connection with the

auxiliary ground lead, components can be activated right in your hand, thereby

Connect the auxiliary ground lead to the negative terminal or ground side of the

component being tested. Then contact the probe tip to the positive terminal of the

component, the green LED should light up, indicating continuity through the

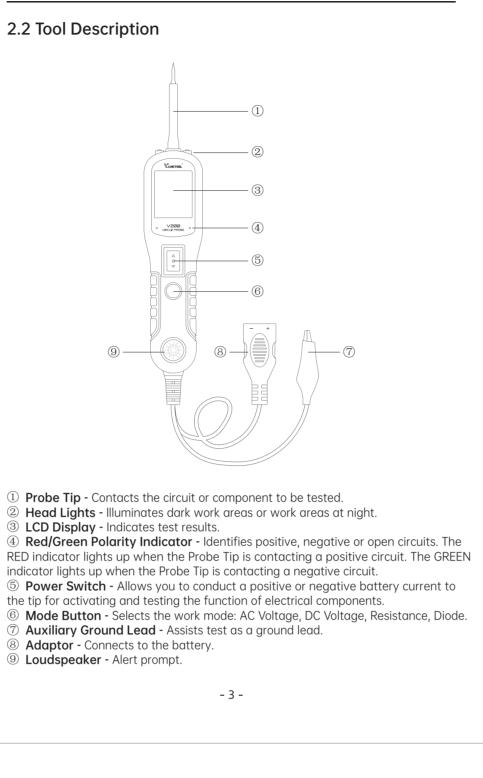
component. While keeping an eye on the green LED, quickly press and release the

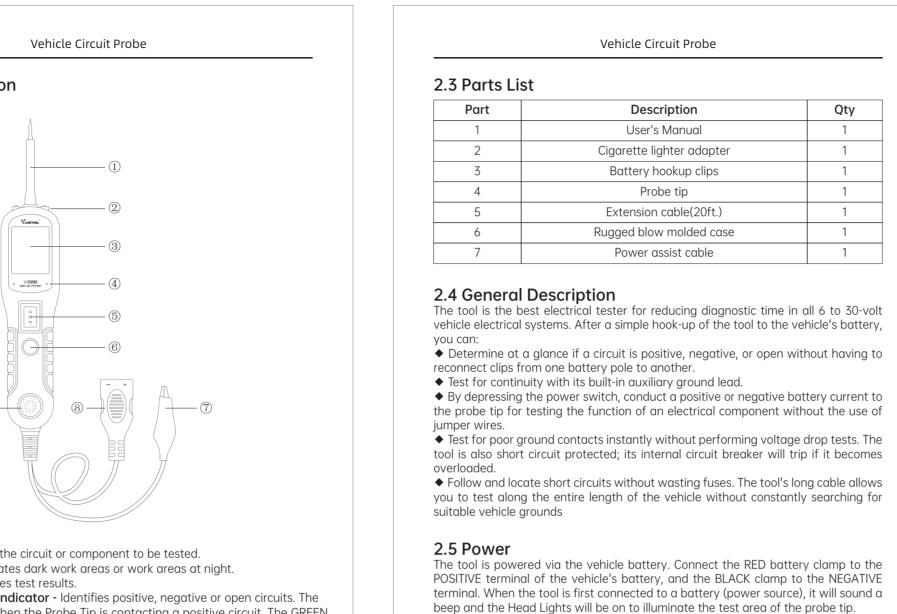
power switch forward. If the green LED went out and the red LED came on, you may

proceed with further activation. Push the power switch forward and hold it down to

testing their functions.

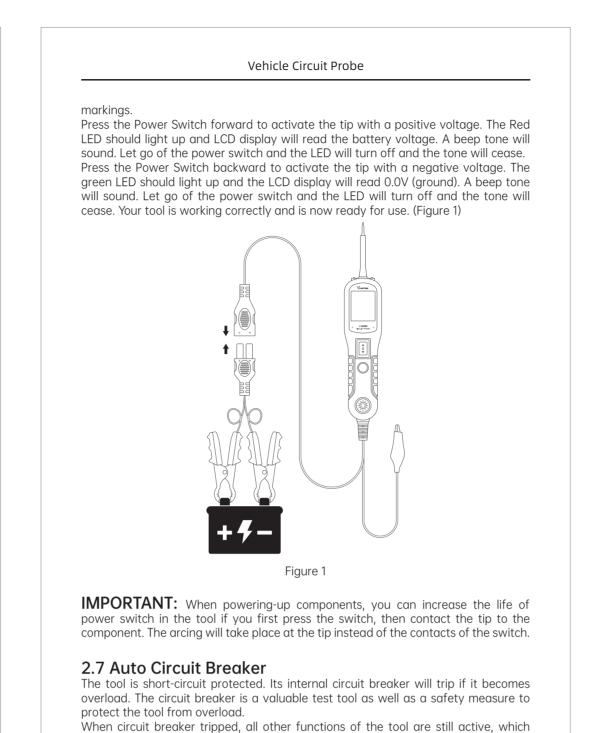
To prevent personal injury or damage to vehicles and/or the test Tool,read this instruction manual first and observe the following safety precautions whenever ◆ Always perform automotive testing in a safe environment. ◆ Keep clothing, hair, hands, tools, test equipment, etc away from all moving or hot ◆ Operate the vehicle in a well ventilated work Area: Exhaust gas are poisonous. ◆ Put blocks in front of the drive wheels and never leave the vehicle unattended Use ectreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These component create Hazardous voltage when engine ◆ Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged. ◆ Keep a fire extinguisher suitable for gasoling/chemical/electrical fires nearby. ◆ Don't connect or disconnect any test equipment while the ignition is on or the ◆ Keep the tool dry, clean, free from oil/water or grease. Use a mild detergent on a clean cloth to clean the outside of the test tool, when necessary. ◆ When the power switch in the tool is depressed, battery current/voltage is conducted directly to the tip which may cause sparks when contactiong ground or certain circuits. Therefore the tool should NOT be used around flammables such as gasoline or its vapors. The spark of an energized tool could ignite these vapors. Use TFT color display (168× 128 dpi)



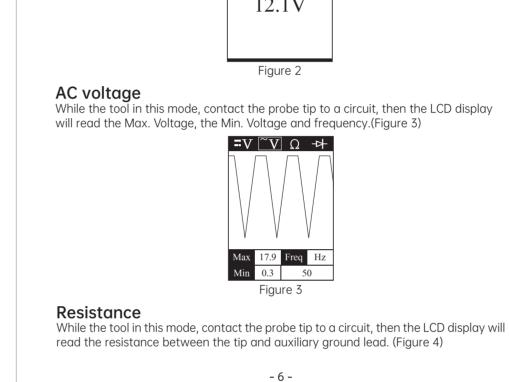


2.6 Quick Self-Test

auick self-test.



means you can still probe a circuit and observe the voltage reading. When the circuit.



power up again.

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breaker is tripped, the tool will NOT be able to conduct battery current test to the tip

even when the power switch is pressed. Intentionally tripping the breaker and using

the tool to probe can be considered an added precaution against accidental

There are four modes to diagnose the electrical systems, which can be accessed by

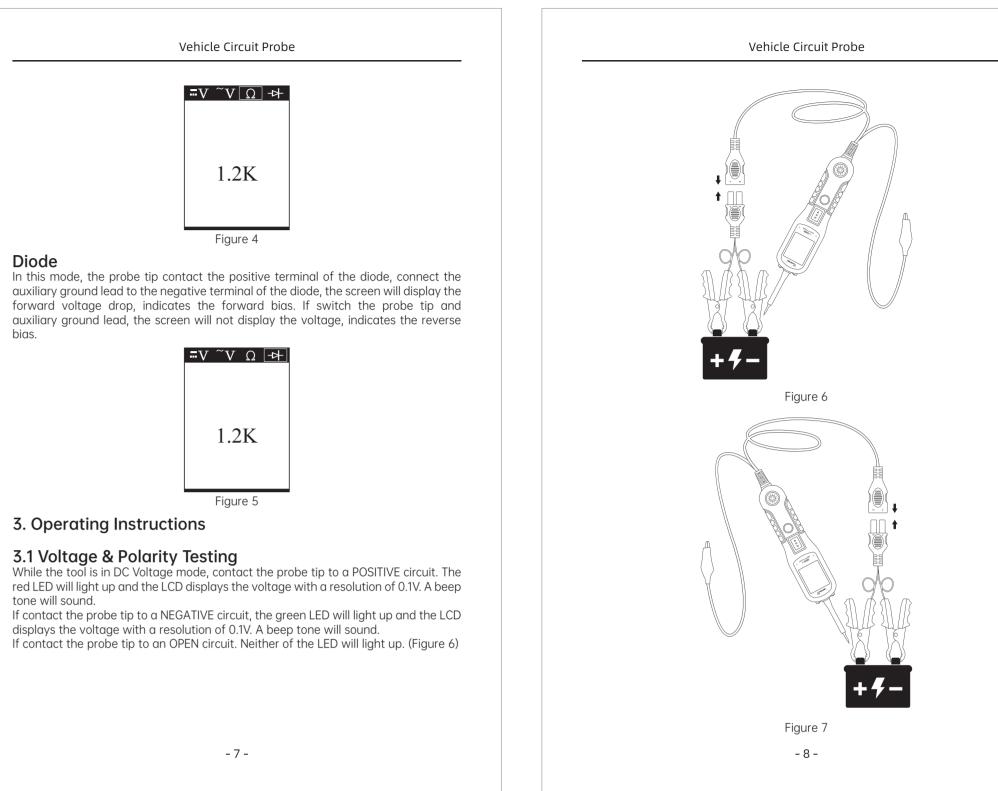
While the tool in this mode, contact the probe tip to a circuit, then the LCD display will

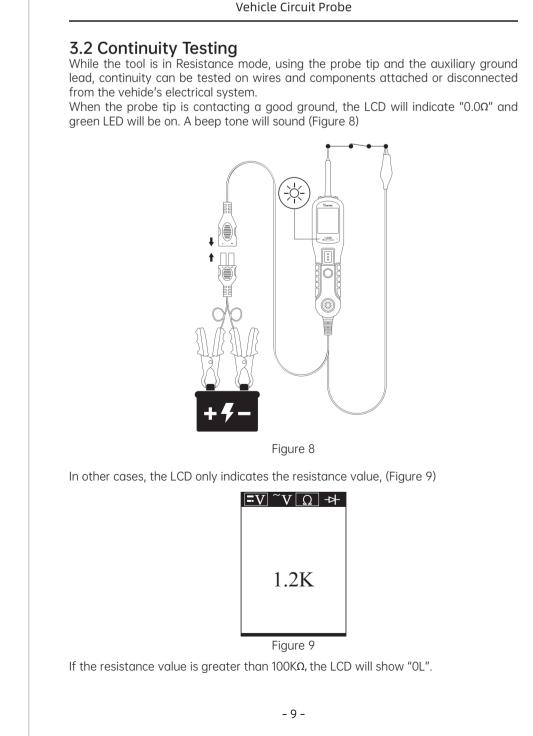
depressing the Mode Button and cycling through each one.

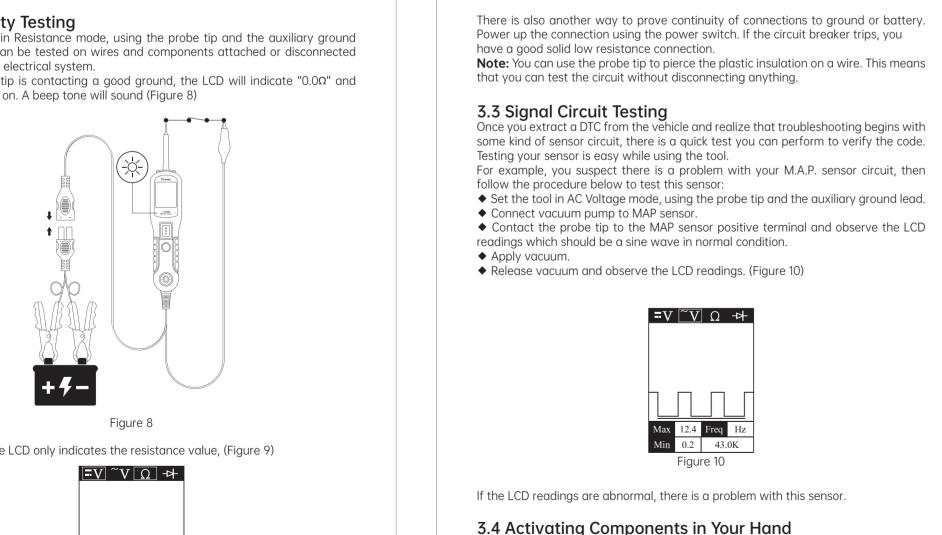
read the DC voltage with a resolution of 0.1 volt. (Figure 2)

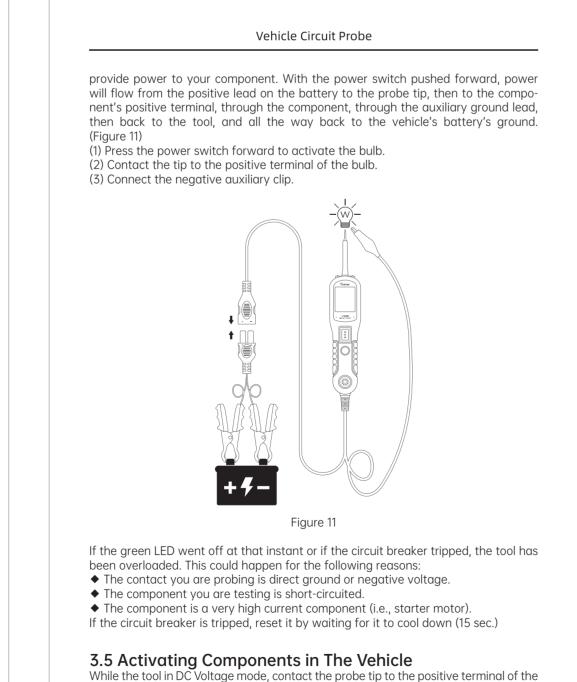
pressing of the power switch.

2.8 Work mode









component, the green LED should light up, indicating continuity to ground. While

observing the green LED. Quickly press the power switch button forward and release,

if the green LED went out and the red LED comes on, you may proceed with further

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2.2 Tool Description

Wear eye protection that meets ANSI standards.

the same caution as you would when using an arc welder.

0 to 60°C (32 to 140°F)

-40 to 70°C (-40 to 185°F)

12.0 or 24.0 V power provided via vehicle battery

 $178 \times 47 \times 28$ mm (7 × 1.85 × 0.09 in)

0.1Kg (0.22LB)

working on a vehicle:

while running tests.

2. Using the Test Tool

2.1 Specifications

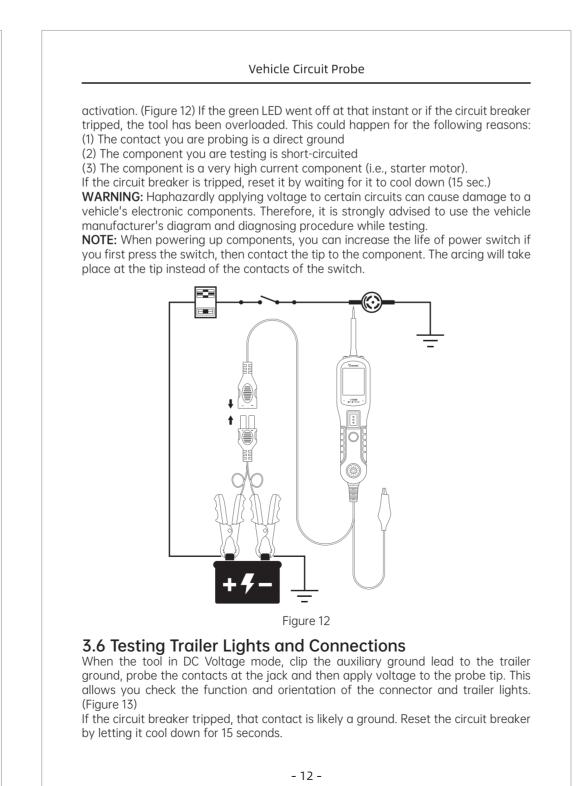
Display

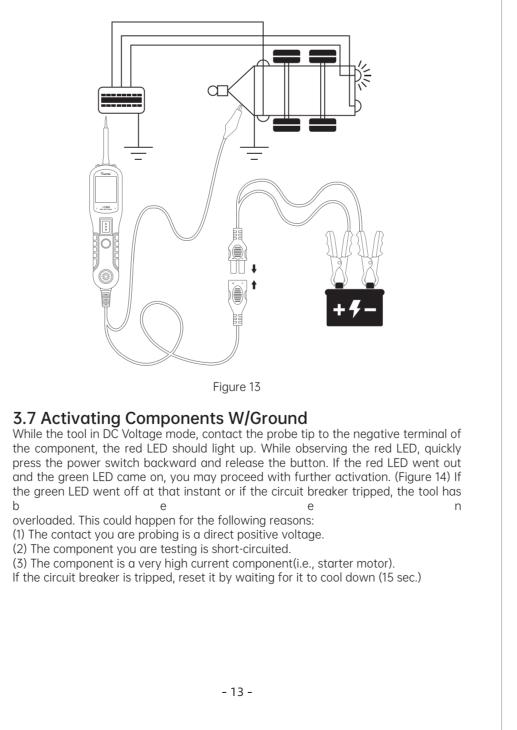
Operating Temperature

Storage Temperature

External Power

Dimensions (L \times W \times H)



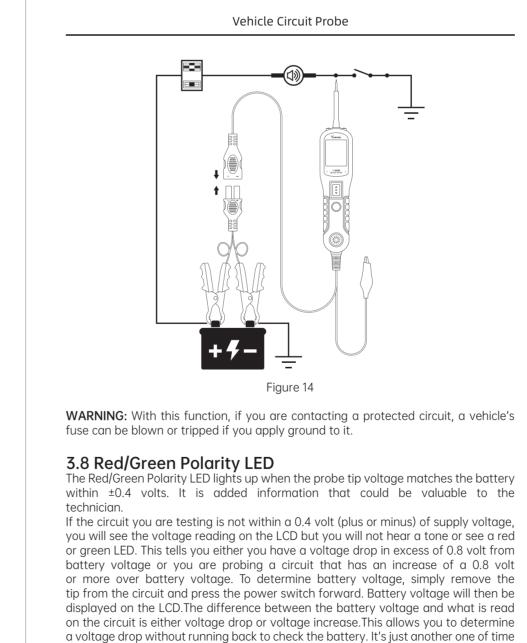


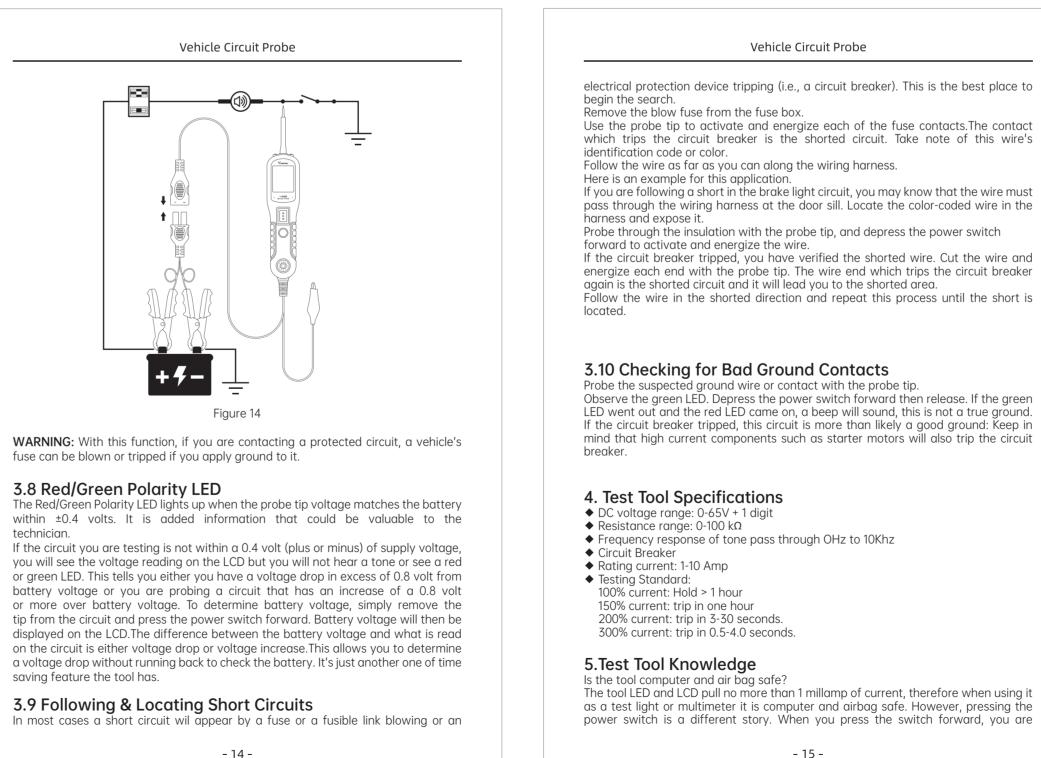
Before you test a circuit or component, be sure your tool is in good order by doing a

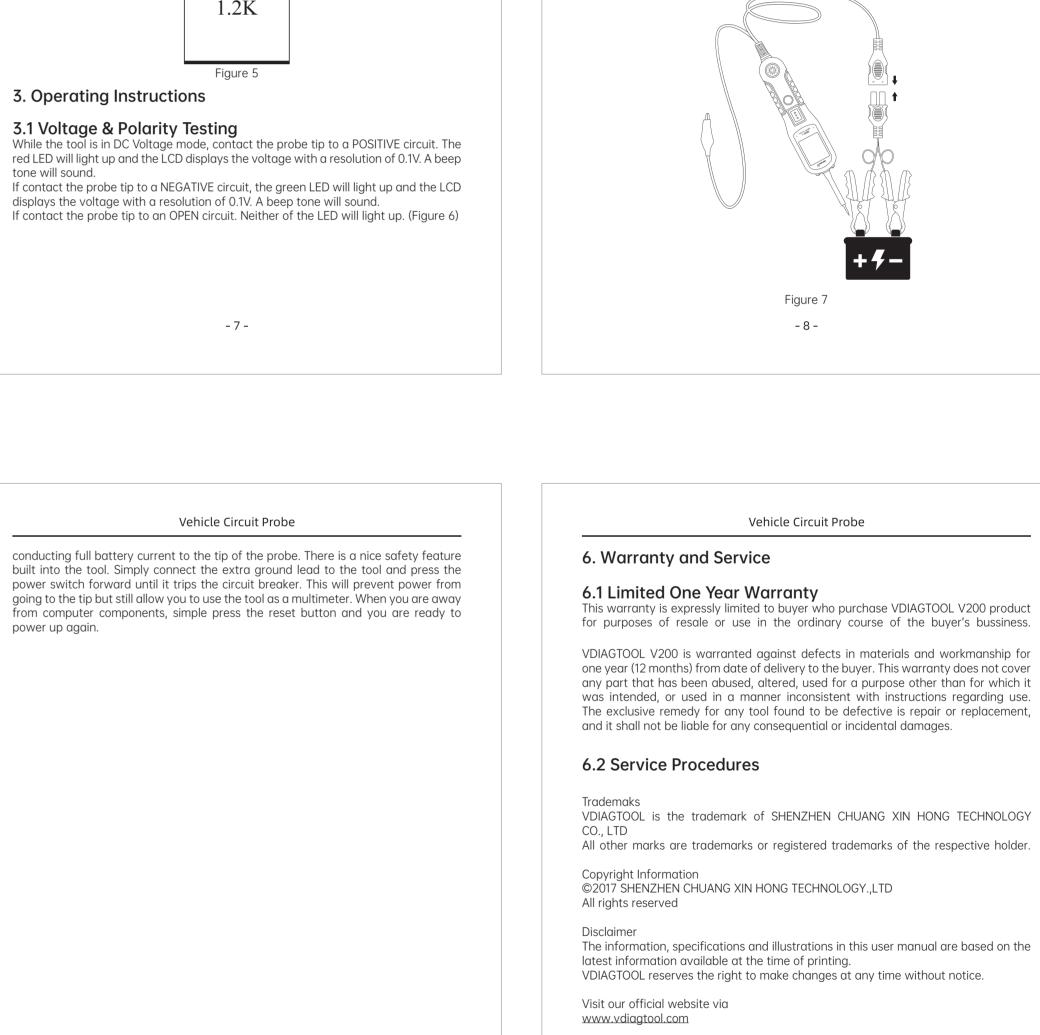
With the tool connected, perform a quick self-test. The power switch is a momentary

rocker switch located on the tool's body. Flanking the switch are positive and

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