

## Warranty

Subject to the conditions that follow and are noted below, this product is warranted to be free from defects in material and workmanship, under proper use and in accordance with the manufacturer's written recommendation and specifications, for a period designated below on all products:

- This product carries a limited lifetime warranty.

The manufacturer's obligation under this warranty is limited to unaltered products returned to the manufacturer by the initial end user of the new products. Therefore, this warranty does not cover any products resold by the end user to third parties, nor any reconditioned products sold as such, by the manufacturer. The sole remedy for any such defect shall be the repair, or replacement, of the product at the sole discretion of the manufacturer. This warranty does not cover expendable parts, such as batteries, nor does it cover shipping or handling. In addition, manufacturer is not liable for any loss or damage to product during shipping.

In the event it is determined that the product has been tampered with, or altered in any way, this warranty is void and all claims against the product will not be honored. All warranty claims must be submitted as outlined by the manufacturer and shall be processed in accordance with the manufacturer's established warranty claim procedures. These procedures include provisions that proof of purchase must be established (by either warranty card from the seller or by point of purchase receipt) and that the manufacturer will make every attempt to return ship the product within one business day from receipt of the returned product, freight prepaid.

In addition, all maintenance procedures, as outlined by the product manuals, should be followed for the warranty to be kept in force. Should the product not be used in accordance with procedures as specified, or if the product otherwise fails outside of the warranty, the manufacturer reserves the right to make such judgment and the party returning the product will be notified that written

—continued—

## Warranty (cont.)

notification will be necessary to repair the product at a cost which the manufacturer deems as reasonable. The product will then be shipped back to the customer, COD; or as the manufacturer deems appropriate.

This is the only authorized manufacturer's warranty and is in lieu of all other expressed, or implied, warranties or representations, including but not limited to any implied warranties of merchantability or fitness or any other obligations on the part of the manufacturer. In no event will the manufacturer be liable for business interruptions, loss of profit, personal injury, costs of delays, or any special, indirect, incidental or consequential damages, costs or losses.

## Contact Information

Whether you have a question about service or parts from Hickok or Waekon, we are ready to provide an answer. Options for reaching us include our 24/7 accessibility by fax or the World Wide Web. Or contact us by telephone during standard business hours EST.

[www.hickok-inc.com](http://www.hickok-inc.com)

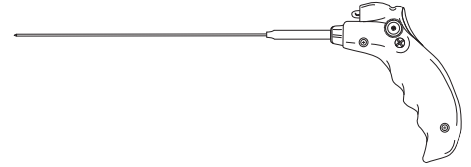
[www.waekon.com](http://www.waekon.com)

[www.quick-n-ezparts.com](http://www.quick-n-ezparts.com)

Fax: (216) 761-9879

**Hickok customer care & tech support:**  
**(800) 342-5080**

# UEFI Quick Probe™



## Instructions

The Universal EFI Quick Probe is a battery-operated tester designed to quickly determine if a fuel injector is firing by detecting a mechanical vibration, such as a fuel injector's pintle movement.

## Using the Tester

1. Attach the extension probe to the tester probe tip.
2. Turn the tester on by firmly tapping the handle of the tester on a hard surface. To indicate the tester is on, the red LED flashes and the tester emits a beeping sound for a short period of time.
3. Adjust the probe for the test vehicle:
  - Turn the adjustment dial to zero for minimum sensitivity.
  - Firmly touch the tester probe tip to a fuel injector body and slowly increase the probe's sensitivity by turning the dial. When the LED begins to flash and the tester beeps simultaneously, stop turning the dial.
  - At the current probe setting, continue to another injector. If the LED does not begin to flash when the probe tip is applied, move to

another injector. Repeat 2–3 times.

- Adjust the dial and repeat the above steps until a consistent response is achieved over several injectors.
4. Test all injectors and compare results.

## Test Results

Consistent, steady flashing and beeping from the Universal EFI Quick Probe indicates a good injector.

No response or an inconsistent response indicates the injector is either firing intermittently or not firing at all. This may be caused by one of the following conditions:

- The injector is mechanically stuck
- An electrical open or short in the injector
- An electrical fault in the vehicle's harness or control module

**Note: It is important to test all the injectors and compare the results. An inconsistent response from the majority of the injectors may be a normal condition for that particular engine. However, it is recommended to perform additional testing to verify results.**

Refer to the vehicle's shop manual for instructions on troubleshooting and repairing/replacing the defective fuel injector(s).

## Turning the Tester Off

The tester automatically powers down after approximately 40 seconds of non-use. Prior to shutting off, the LED flashes and the tester beeps.

## Replacing the Battery

The Universal EFI Quick Probe uses a 3-volt CR2032 lithium battery.

1. Remove the screws from the handle.
2. Carefully separate the handle and remove the old battery.
3. Place the new battery in the handle, positive (+) facing up.
4. Reassemble the handle and tighten the screws.

## Red LED

The red LED on the Universal EFI Quick Probe is not replaceable.