

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 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.

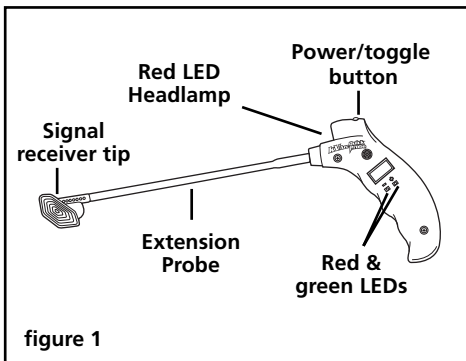


The kV/Arc Quick Probe is a battery-operated, hand-held tester designed to easily and quickly check the presence of a spark in the vehicle's cylinders, determine the polarity (+/-), and measure the peak voltage as the spark plug is firing on Distributor and Distributorless Ignition Systems

The tester works by receiving a signal transmitted from the spark plug's wire. In the Quick Check Mode, the red LED headlamp flashes when a spark is detected. If the polarity is negative (-), the green LED lights; and if positive (+), the red LED lights. In the Measurement Mode, the probe measures and displays the peak spark voltage for approximately 15 seconds.

Assembling the Tester

1. Attach the extension probe onto the tester.
2. Press fit the probe tip onto the extension probe.

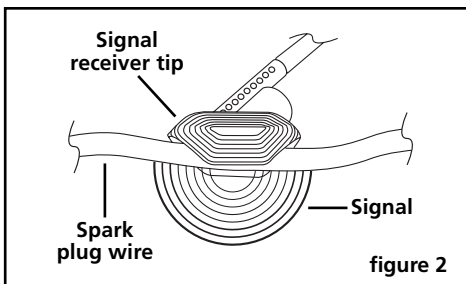


Using the Tester

1. Turn the tester on by firmly pressing the power/toggle button.

Note: When powered on, the tester is always in the Quick Check Mode.

To switch to the Measurement Mode, firmly press the power/toggle button.



To indicate the tester is on, the headlamp, along with the red and green LEDs, flash alternately, and the tester emits a beeping sound for a short period.

2. With the engine running, firmly place the signal receiver tip over the spark plug wire (see **figure 2**).

For the best test results do the following:

- Make sure all other secondary ignition wires and any metal objects are at least 1-inch from the receiver tip. If adjacent wires/metal are too close during testing, the probe may provide inconsistent results.
- Do not touch the receiver tip or the extension probe while testing. Doing so will cause inaccurate readings.
- On DIS vehicles, the wasted spark may cause a doubling of the spark detection. To avoid this and only detect the true spark, *slightly* move the probe tip away from the ignition cable.
- If the tester resets or changes mode during testing, the spark plug may not be firing and the high voltage is approaching the coil's maximum output voltage.

Quick Check Mode

To enter the Quick Check Mode, simply turn the tester on. The tester automatically enters this mode when it is powered on.

During this mode, the red and green LEDs alternately flash once every second until a spark is detected.

Once a spark is detected, the headlamp flashes and the red or the green LED lights to show the polarity.

Notes:

- *If the tester does not detect a spark after 30 seconds, it automatically turns off.*
- *The Quick Check Mode may not detect spark voltage less than 5 kV. Use the Measurement Mode to verify.*

Measurement Mode

To enter the Measurement Mode:

1. Firmly place the tester's receiver tip over the secondary ignition wire.
2. Press the power/toggle button when the headlight begins to flash.

During this mode, the red and green LEDs stay lit while the tester measures the peak spark voltage (for approximately 10 to 15 seconds).

When the tester finishes a measurement, it will do all of the following:

- The tester emits a beeping sound
- The headlight flashes 3 times
- The corresponding polarity LED lights
- LCD displays the current reading for 15 seconds.

After completing this sequence, the tester returns to the Quick Test Mode. You can also return to the Quick Test Mode by pressing the power/toggle button while the kV is displayed.

Note: It is normal for the LCD to flash random segments while the peak kV is measured.

Interpreting the Results

1. Compare voltages for all cylinders.
 - Make sure to measure at the same location on each wire.
 - On DIS vehicles, the positive firing voltage is typically 3–5 kV less than the negative reading.
2. Voltages above 20 kV indicate a non-firing plug.
 - May cause the tester to reset or change modes.

Turning the Tester Off

The tester automatically turns off after approximately 30 seconds of non-use. Before shutting off, all LEDs flash and the tester emits a beeping sound for a short period.

Replacing the Batteries

Replace the batteries when the polarity LEDs or the LCD segments become dim.

The kV/Arc Quick Probe uses two 3-volt CR2016 lithium batteries.

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

Replacement Part Kits

To place an order, contact our Customer Care department at **800/342-5080** or visit our website at **www.quick-n-ezparts.com**.

Description	Part Number
CR2016 batteries (2)	T2000-9P2
7 ³ / ₈ " Adapter (extension probe)	16970-195
Signal Receiver Tip	16970-196

