

INDUCTOR

SINGLE MAGNETO TIMING DEVICE

WITH FOUR PHASE AUDIO SIGNAL
(FOR USE ON ALL BREAKER POINT TYPE MAGNETOS)

Principle of Operation

The INDUCTOR measures the change of inductance in the magneto primary coil as a means of determining the exact instant the magneto's breaker point opens.

Instructions for Operation

Never use this device on a running engine. All ignition timing using this device must be done while the engine is stopped. Remove the plug from each cylinder. If the magnetos have impulse couplings - these must be in the "unloaded" position. If the ignition kill switch lead wire is to remain connected to the magneto, be sure to turn the kill switch to the ON position. Connect an alligator clip lead to the engine ground (any exposed metal surface on the engine or magneto casing will serve as a good ground). Connect the other lead to the magneto P-Lead terminal. Turn on the INDUCTOR timing device. The LED's will light to indicate if the point is open or closed. Rotate the engine slowly. Keep in mind that the magneto fires the spark plug at the point the "open" LED turns on and the audio signals begin. Adjust your magneto timing according to engine manufacturer's requirements..

Troubleshooting

- The most common operating errors are: 1) the black (ground) lead is not attached to a proper ground or has become disconnected while other leads are being attached and the operator has failed to notice, 2) the operator has failed to "unload" the impulse couplings before using this device.
- A common misconception made by mechanics who have used other timing devices is the expectation that this device is a continuity tester. They incorrectly expect that shorting the lead clips together will produce a sound or a light indication. Nothing should happen if lead clips are shorted together. By design, this device uses the measure of inductive current(not continuity) to determine the position of the breaker point and, in so doing, this design eliminates false readings caused by loss of contact to the magneto grounding terminal.
- Low Batteries - the LED's will continue to burn after the battery voltage drops below the 3 volts needed to operate the electronic circuitry. When the lights fail to indicate a point closing, or the tweeter begins to sound erratic, then it's time to change the battery - 9 volt alkaline.

Warranty and Repairs

This device is guaranteed against failure due to materials and/or workmanship for one year after purchase by:

Ignition Timers, LLC
35Ash Drive, Kimball, MI 48074
(937) 238-5428

WARNING: DO NOT USE THIS DEVICE ON BATTERY IGNITION SYSTEMS