

## *Model E-25 TIMING INDICATOR*

### **INSTRUCTIONS**

- 1.) Remove all top spark plugs. Install piston stop into no. 1 cylinder top spark plug hole.
- 2.) Install timing disc indicator on aircraft propeller spinner or hub using the supplied rubber bands.
- 3.) Turn propeller slowly in direction of rotation until piston lightly touches piston stop.
- 4.) Rotate disc of timing indicator (while preventing the aluminum flower pot from turning) until Top Center (T.C.) mark is under the point of the weighted pendulum pointer.
- 5.) Slowly turn propeller in opposite direction until piston again lightly touches piston stop. Observe reading on the disc under the pointer and rotate the disc (while preventing the aluminum flower pot from turning) to exactly one half of the number of degrees toward the Top Center (T.C.) mark.
- 6.) Remove piston stop from cylinder and find the compression stroke of no. 1 cylinder by placing finger over spark plug hole and rotating propeller until blow by is felt by finger, continue rotation until pointer is under T.C. You have now found top center on the compression stroke.
- 7.) To either check the magneto timing or to time the magnetos to the engine, move the propeller opposite direction of rotation past the specified magneto timing setting and then back in direction of rotation until the desired setting before top center is under the pointer (this removes the factor of gear backlash).
- 8.) The breaker points should just be starting to open at this setting. Breaker points opening should be checked with an Eastern Model E-50 Synchronizer.

### **Note:**

- A.) A light tap of the finger against the dial will insure absolute correct timing.
- B.) An occasional drop of oil at the pointer bushing is all that's required to keep the timer in good operating condition.

### **WARRANTY**

Eastern Technology Corporation agrees to repair or replace any of its products (parts and labor) if there is a defect in materials or workmanship within one year of the date of purchase. Eastern Technology Corporation limits its obligation to repair or replacement, the choice of which is at its sole discretion. This warranty does not apply to equipment that has been damaged by accident, negligence, or misuse, or altered or modified in any way.

### **For repairs return to:**

Eastern Technology Corporation  
42 Nelson Street  
East Hartford, CT 06108  
Phone: (860) 528-9821  
Fax: (860) 289-7639