

# TEST EQUIPMENT

## ATS E50A MAGNETO SYNCHRONIZER



The ATS E50A Magneto Synchronizer is a modern redesign of the classic test instrument used by aviation mechanics around the world for over 50 years. It uses surface-mounted (SMD) micro-circuitry to eliminate the need for the bulky vibrator, and heavy transformers. The new technology of the E50A uses low voltage signals to measure the inductance of the magneto and precisely detect the moment the points break, without any false readings. The ATS E50A also features enhancements to make your job easier, such as a Built-In Calibrated Test Point to validate your tester before each use; a battery monitor to give you plenty of warning before your tester runs out of power; and Quiet-Mode operation that alerts you only when the points break - so no more annoying "buzz-box" always screaming at you when you're trying to do a test ..... P/N 12-01013 ..... **\$118.95**

## AIRCRAFT TIMING INDICATOR MODEL E25



The Aircraft Timing Indicator Model E25 is a unique device that locates the relative relationships between the crankshaft, magneto point openings, camshaft and valve timing. Easily attached to the propeller spinner with mounting bands that are included with the unit, the E25 quickly and accurately (within 1/2 degree!) locates top dead center. The result: the all-aluminum Model E25 speeds up and improves the process of timing magnetos to the engine. With its easy-to-read dial and 18mm, hardened aluminum piston stop, the E25 is a snap to use. Note: Piston Stop is included.

E25 Timing Indicator ..... P/N 12-01014 ..... **\$66.95**  
 Replacement Piston Stop ..... P/N 12-18100 ..... **\$19.50**  
 U.S. Industrial Equivalent TP102 ..... P/N 12-01167 ..... **\$127.75**

## MAGNETO TIMING LIGHT



Measures the change in inductance in the magneto coil when the points open and close. Simply shorting the clip leads together will not indicate a point closing, therefore eliminating any false reading caused by loss of contact to the magneto grounding terminal. Adjust magneto timing accordingly. 100% solid state, compact 3/4" x 3" x 5" size, long battery life. Color coordinated leads are 4 ft. long. Comes in strong anodized aluminum case.

Dual Magneto Synchronizer w/Tweeter ..... P/N 12-16901 ..... **\$79.95**  
 Single Magneto Timing Light w/Tweeter ..... P/N 12-16903 ..... **\$76.90**

## PROPELLER BLADE MOUNTED MAGNETO TIMING DEVICE



The propeller blade mounted timing device is a self-contained unit that incorporates the blade mount, digital inclinometer, and adjustable cinch strap. More accurate, quicker, and easier to use than competitive products. The blade slots are graduated and spaced so as to allow installation on many different blade model designs.

P/N 12-04969 ..... **\$253.95**

## WINDOW INSPECTION PRISM KIT



This tool kit provides a proven method to inspect for cracks on the hidden edges and bolt holes of aircraft windows. Kit contains the prism, hard-coated with AWR 8000, 1 oz. bottle of coupling fluid, flashlight and an instruction guide, all in a durable carrying case.

P/N 09-05588 ..... **\$815.00**

## ENGINE TEST TOOL KIT



This small test kit is designed to allow the aircraft mechanic a convenient and economical way to purchase the basic small engine test equipment. This kit contains: 1 - TP104 Cylinder Pressure Tester, 1 - TP105 Magneto Timing Light, 1 - TP102 Timing Indicator, 1 - TP103 High Voltage Cable Tester, 1 - TP216 Tool Box

P/N 12-02349 ..... **\$425.00**

## ENGINE TEST KIT



**EK5EM** - The Engine Test Kit EK5EM has all of the test equipment needed to check engine compression, synchronize magnetos, time aircraft engines, and test ignition leads all in one tool box. The kit contains: the 2EM Differential Pressure Tester with master Orifice, LED52 Electronic Magneto Synchronizer, Eastern E25 Aircraft Timing Indicator, Eastern E5 High Voltage Cable Tester, the Compression Tester Extension & Hip Roof Tool Box..... P/N 12-02449 ..... **\$417.00**

**EK5** - ATS Engine Test Kit has all of the test equipment needed to check engine compression, synchronize magnetos, time aircraft engines, and test ignition leads all in one tool box. Contains: 2E, LED52, Eastern E25, Eastern E5, & 19000 tool box. Now includes the 18mm-XT Compression Tester Extension..... P/N 12-02943 ..... **\$370.00**

## ATS E5A HIGH VOLTAGE CABLE TESTER



The Model E5 High Voltage Cable Tester tests Hi-Voltage aircraft engine ignition cables quickly and accurately. And it's incredibly easy to use: simply connect the three wires, push the test button and check the test window. That's all there is to it. By simulating the magneto's high output voltage, the E5 instantly identifies both good and defective cables. And it operates on either 12 or 24 volts, D.C.

The E5 eliminates guess work, saves valuable time, is equipped with an audio high voltage indicator to ensure safety and is 100% dependable. And no other high quality cable tester is as attractively priced..... P/N 12-01016 ..... **\$123.75**

## DIFFERENTIAL CYLINDER PRESSURE MODEL E2A



Eliminates guesswork by allowing you to locate the exact location and cause of your engine's loss of efficiency. Field tester for 2 years by Teledyne Continental Motors, and approved for use on Teledyne Continental Engines by their Engineering and Field Services Group. Complete instructions and an 18mm adapter with each unit.

"M" models have built-in master orifice. \* **Not approved by TCM.**  
 E2A - for cylinders < 5" bore ..... P/N 12-01012 ..... **\$96.50**  
 E2A-1000 - for cyl. > 5" bore..... P/N 12-01017 ..... **\$92.50**  
 E2A-1000 with 12mm..... P/N 15-05209 ..... **\$105.95**  
 E2M - for cylinders < 5" bore ..... P/N 12-01015 ..... **\$126.85**  
 E2M-1000 - for cyl. > 5" bore\* ..... P/N 12-00692 ..... **\$126.85**  
 E2A-12mm (Rotax) for cyl. < 5" bore ..... P/N 12-00693 ..... **\$92.75**  
 12 mm Adapter..... P/N 12-01018 ..... **\$17.50**  
 18 mm Adapter..... P/N 12-18202 ..... **\$17.50**  
 E2 Industrial Equiv. .... P/N TP104 ..... **\$179.95**  
 14MM Adapter..... P/N TP171 ..... **\$14.65**  
 18MM Adapter..... P/N TP104-9A ..... **\$21.75**  
 Compression Tester Extension Hose 24" ..... P/N 12-04601 ..... **\$18.60**

## ATS DIFFERENTIAL CYLINDER PRESSURE TESTERS



Comes complete with on-off safety valve to eliminate pressure when disconnecting from the cylinder. Can be used to check intake or exhaust valves, cracked or worn rings, defective cylinders, worn bushings, etc.

### LESS THAN 5" BORE

Specifications: Orifice size is .040". precision gauges matched to within +/-2%. 18MM plug adapter. 24" pressure hose. Includes hose and spark plug adapter. Factory calibrated. Letter of certification available upon request. Note: For an engine cylinder having less than a 5.00-inch bore; 0.040-inch orifice diameter; .250 inch long; and a 60-degree approach angle..... P/N 12-02344 ..... **\$109.90**

### GREATER THAN 5" BORE

Specifications: Orifice size is .060". precision gauges matched to within +/-2%. 18MM plug adapter. Includes hose and spark plug adapter. Factory calibrated. Letter of certification available upon request. Note: For an engine cylinder with 5.00 inch bore and over: 0.060 inch orifice diameter, .250 inch long, and a 60 degree approach angle. P/N 12-02345 ..... **\$123.75**

### 18MM CYLINDER PLUG

18MM adapter plug used with the ATS 2E and 2EM Differential Pressure Testers. For engines with massive electrode plugs. P/N 12-05064 ..... **\$11.70**

## DIFFERENTIAL PRESSURE TESTER WITH MASTER ORIFICE



Now you can conveniently check the calibration of your pressure tester before each use without disconnecting the tester. Comes with complete instructions. Includes hose and spark plug adapter.

5" Bore Diameter or smaller ..... P/N 12-02346 ..... **\$139.50**  
 Bore Diameters greater than 5" ..... P/N 12-02347 ..... **\$139.95**

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