AIRCRAFT SPRUCE WEST
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AIRCRAFT SPRUCE EAST
PEACHTREE CITY, GA • (877) 477-7823

**TEST EQUIPMENT**

**EASTERN ELECTRONICS TEST EQUIPMENT**

**MAGNETO TIMING LIGHT - MODEL E50**

Designed specifically for internal timing of aircraft magnetos and for synchronizing magnetos to aircraft engines. Eliminates guesswork and provides a greater safety factor by creating perfect timing quickly and easily. Simply attach three clips to the magneto and adjust until both bright lights flash in sync and the buzzer changes pitch. Fail-Safe circuitry, variable buzzer. Heavy-duty 3"x5"x2-1/8" unbreakable case. Wt. 1.5 lbs. Complete with 18 gauge lead wires 36" long and instructions. P/N 12-01013 $104.85

**U.S. Industrial Equivalent** P/N TP105 $56.85

**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 3mm hardened aluminum piston stop, the E25 is a snap to use. Note: Piston Stop is included. E25 Timing Indicator P/N 12-01014 $66.75

**Replacement Piston Stop** P/N 12-18100 $19.50

**U.S. Industrial Equivalent TP102** P/N 12-01167 $59.75

**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 from the magneto grounding terminal. Adjust magneto timing accordingly. 100% solid state, compact 3/4"x3"x5" size, long battery life. Color coordinated leads are 4 ft. long. Comes in strong anodized aluminum case. P/N 12-02345 Dual Magneto Synchronizer w/Tweeter $49.50

**Dual Magneto Synchronizer w/O Tweeter** P/N 12-16902 $42.65

**Single Magneto Timing Light w/Tweeter** P/N 12-16903 $53.75

**TRACERLINE AVIATION ULTRASONIC Emitter**

Master Kit Includes: • Marksman Receiver • UltraSonic Emitter • Headphones • 12 inch Air Probe • Contact Probe • Carrying Case Features: • Converts Sound Into Audible “Natural” Sound for Accurate Diagnostics. Finds Problems Before They Result in Major Breakdowns • Frequency Response: 36,000 - 44,000 Hz • Detects Air Brake, Compresseed Air, Vacuum, EVAP System and Other turbocharged Leaks Quickly and Effortlessly • Pinpoints Gear and Bearing Wear in Wheel Hubs, Transmissions, Transfer Cases, Differentials and Electric Motors. Check for Electrical Discharge Associated with Insulation Breakdown. Carbon Tracking and Arcing • Finds Air and Water Fills, Leaks, Faulty Seals, Gaskets and Weather Stripping in Passenger Cars, Trailers and other Non-Pressurized Enclosures. • Power Requirement: One Standard 9-Volt Alkaline Battery Each for Receiver & Emitter. P/N 12-01745 $698.75

**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 $239.85

**EKSFM**

The Engine Test Kit EKSFM has all of the test equipment needed to check engine compression, synchronize magnetos, time aircraft engines, and test ignition leads in one tool box. The kit contains: the 2EM Differential Pressure Tester with master Orifice, LED52 Electronic Magneto Synchronizer, Eastern E5 High Voltage Cable Tester, the Compression Tester Extension & Hip Roof Tool Box.

P/N 12-02449 $255.96

**EKS**

ATs Engine Test Kit has all of the test equipment needed to check engine compression, synchronize magnetos, time aircraft engines, and test ignition leads in one tool box. Contains: 2E, LED52, Eastern E5, and 19000 tool box. Now includes the 18mm-XT Compression Tester Extension. P/N 12-02943 $247.95

**HIGH VOLTAGE CABLE TESTER MODEL E5**

Gives a fast, accurate test of high voltage aircraft ignition cables. Simply connect 3 wires, push test button and test is completed. The E5 will indicate in its test window both good and defective cables - no waiting for indication to appear. Fail-safe circuitry. Heavy-duty lead wires. Compact 3 1/4" x 2 1/4" x 1 1/2" lbs. Wt. P/N 12-01016 $108.75

**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, and approved for use on Teledyne 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 $89.95

E2A-1000 - for cyl. > 5” bore. P/N 12-01017 $90.75

E2M - for cylinders < 5" bore. P/N 12-01015 $121.90

E2M-1000 - for cyl. > 5” bore. P/N 12-00692 $126.85

E2A-12mm (Rotax) for cyl. < 5” bore. P/N 12-00693 $79.95

12 mm Adapter P/N 12-01018 $15.65

18 mm Adapter P/N 12-18202 $17.50

U.S. Industrial Equivalent P/N TP104 $56.85

14MM Adapter P/N TP106 $13.50

18MM Adapter P/N TP104-9A $12.95

**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; 0.250 inch long; and a 60-degree approach angle. P/N 12-02344 $63.96

**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 having greater than a 5.00-inch bore; 0.060-inch orifice diameter 0.250 inch long and over; 0.060 inch orifice diameter, 250 inch long, and a 60 degree approach angle. P/N 12-02345 $63.96

**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 18MM plug adapter. 5” Bore Diameter or smaller. P/N 12-02346 $79.96

Bore Diameters greater than 5”. P/N 12-02347 $79.96

**ATS PRO DIFFERENTIAL PRESSURE TESTER KIT**

ATS 2EM Differential Pressure Tester (with Master Orifice) and the Spark Plug Port Extension Tool together, to make your life a whole lot easier. NOTE: The ATS 2EM Differential Pressure Tester has a .040” orifice as required by Teledyne Continental SB03-3 Service Bulletin, and is the proper type of instrument to test ALL Teledyne Continental engines in accordance with the aforementioned bulletin. The ATS 2EM also complies Textron Lycoming SL-119A19 Service Instruction and is appropriate for ALL Textron Lycoming engines as indicated in the Service Instruction. P/N 12-03330 $119.95

**COMPRESSION TESTER EXTENSION**

This tool makes compression testing easy. Wrench free way to test that allows for exhaust system and muffler flapping clearance. Tester is manufactured with quality-welded construction and offers a spark plug thread with O-Ring seal. It has a standard air fitting. P/N 12-01060 $28.95

12mm Extension. P/N 05-06883 $31.85

**ATS COMPRESSION TESTER EXTENSION**

A replacement plug adapter with an 8-1/2" reach to work around manifolds, baffling, harnesses, support structures, and anything else that gets in your way. The T-handle lets you to screw and unscrew the extender into the port without a wrench. The quick connect coupler makes it approved for plugging and un-plugging your tester. For use with ATS models 2EM and 2EM Compression Testers. 1 lbs (0.5Kg) weight. 18MM aviation engine plug threads 8-1/2” long to clear obstacles Standard P/N 12-02380 $23.96