### ENGINE TOOLS

#### VALVE WOBBLE TEST FIXTURES
The Valve Wobble Test Fixture for parallel valve Lycoming engines is used to comply with Lycoming SB-388a. Quality made of aluminum and alloy steel, it is easy to use with no set screws or feeler gauges required. Allows direct reading of wobble from dial indicator. Note: Will work on single valve engine.

- Fixture without indicator: **P/N 12-21500** $137.95
- Fixture with indicator: **P/N 12-21505** $205.95

#### VALVE SPRING COMPRESSOR
This tool is used to compress valve springs during valve removal and installation. It is ergonomically designed for shop and field use and comes with a special pivot pin. Features include:
- Steel construction with nickel plating.
- P/N 12-00202 $76.75

#### VALVE LASH ADJUSTING TOOL
This tool greatly reduces the time required to adjust valve lash and improves the accuracy of the adjusting operation. Used on Lycoming O-235 and O-290 series engines. Quality constructed of alloy and tool steel.

- P/N 12-21550 $196.75

#### ROCKER ARM SHAFT REMOVAL TOOL
These simply bolt to the head and the knurled knob screws down to compress the valve spring allowing the shaft to be slid out with no spring pressure.

- P/N 12-03227 $39.95

#### PUSH ROD FLARING TOOL
Expanding ball type tool produces a flare every time. Ball sortable inside housing, expanding it into
- P/N 12-03372 $89.75

#### ELECTRODE SPREADING TOOL
This tool is used to increase the electrode gap on all massive electrode spark plugs. It is constructed from
- P/N 12-51520 $19.50

#### Spark Plug Service Kit
Our spark plug service kit includes the Precision Gap gapping tool which is easy to use, features fine thread adjuster and ball pressure tips, and works on all massive electrode plugs. Also includes the 18mm Thread Cleaner Tool with spring loaded jaws which offer maximum thread penetration & control carbon build-up in the threads. Completing the Kit is a double-end Gap Plug Gauge which features an aluminum handle and is easy to use. The Kit comes complete with a durable birchwood storage case.

- P/N 12-21525 $99.85

#### Throttle Shaft Butterfly Screw Staking Tool
This quality made alloy steel tool facilitates the proper staking of throttle shaft butterfly screws and eliminates the possibility of damaging the carburetor during staking. The tool can be used by one person on the bench without chisels, special fixtures or hammers. All wear components are easily replaceable for long service life.

- P/N 12-21528 $129.50/ea.

#### Bendix Mag Lock
This Bendix Mag Lock Works on S4 and S6 and other Bendix Mags. To use simply place a cotter pin loosely into lower plunger hole. Screw sleeve into magnozo case. Align red slot in plunger parallel to mag tooth gear. Remove cotter pin to engage gear tooth. Dimension: 2-3/4" x 1/2" x 3/4". 

- P/N 12-02243 $53.75

#### Safety Magneto Lock Tool
This handy tool fits most Bendix magnetos and prevents damage to distributor gear teeth brought about by accidental turning of the engine during magneto installation. Use for E gap or engine timing. Body tapers lock into timing window. Polyurethane rubber bumper.

- P/N 12-21535 $9.95

#### Lycoming Timing Pointer
This tool is used to align timing numbers and marks to the crankcase parting line on Lycoming engines. It permits timing from the marks on the aft side of the flywheel. A spring clip holds the tool to the flywheel.

- P/N 12-21540 $47.75

#### Continental O-200 Timing Pointer
This tool is used to align timing numbers and marks to the crankcase parting line on the Continental O-200 engine. It is held to the propeller flange with magnets, and eliminates the need for all other timing angle devices and TDC indicators. Quality made from delrin and tool steel. Greatly simplifies the timing of new magnetos and periodic timing checks.

- P/N 12-21545 $42.75

#### Sidewinder Speed Wrench
The Sidewinder Speedwrench specialty tool was developed to counter the frustrations of using standard socket wrenches especially in applications where excessive repetitions are required to install or remove long bolts; or where there is not enough resistant involved to allow the ratchet to function; or where there is not enough working space for efficient use of the standard ratchet wrench. The sidewinder can cut work time in half for professional mechanics and aircraft builders. Now being used by major racing teams, the Sidewinder is a revolutionary addition to every tool box.

- 1/4" P/N 12-21109 $38.90
- 3/8" P/N 12-21100 $38.90
- 1/2" P/N 12-21110 $38.90

#### Engine Overhaul Stand
This inexpensive engine overhaul stand is ideal for actual overhaul and for storage of engines. Constructed of heavy duty steel, it features three legs which allow it to sit level on uneven floors and prevents movement during assembly. The stand is 24" tall with made for use installed casters and comes predrilled for Continental A-65 through O-520 series engines and Lycoming 65 through O-720 engines. A quality engine stand at an affordable price.

- Overhaul Stand P/N 12-21555 $238.00
- Wheel Set for Stand P/N 12-00919 $44.50

#### Engine Overhaul Stand Kit
The engine stand kit has all of the components to construct an engine stand. Beginning at the top, the engine stand kit includes (1) The top plate. Designed to bolt down the engine flange to the stand. (2) Three legs that are pre-cut to the proper angle. (3) Three spreader bars to hold the base of the stand from spreading apart. (4) Three feet to stabilize the base and allow installation of casters. The kit is ready to weld. 24" tall when finished.

- P/N 12-01364 $189.75

#### Continental Engine Mag Timing Tool
Aluminum CNC tool manufactured in Alaska for simple and perfect magneto timing. Simply position engine on #1 TDC compression stroke. Lu-loc promellers. Put this tool on the top two pro-peller nuts and sight down top case halves to see exact mag timing. Now there’s no need for propeller protractor cones!

- P/N 12-02817 $39.95

#### 15-In-1 Standard Screwdrivers
This standard driver is loaded with 7 double ended Professional quality bits. This assortment provides the 14 most popular tips for driving screws. The shaft opening also serves as 1/4" hex driver. Retractable bit cartridge Palm Saver Cap EZ-Guide Collar.

- Standard P/N 12-03693 $17.75
- Tamper Proof P/N 12-03694 $23.50

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**Prices Subject to Change Without Notice**