Introducing the next generation of E-Z Bore Machines

The rise in popularity of OHV motors leaves some flathead E-Z Bore owners thinking their equipment is obsolete. **Don’t dispose of your old E-Z Bore!** Retrofit kits are available to fit Yamaha, Animal and Honda/Clone engines.

No matter what model E-Z Bore machine you own, you can work on virtually any small motor. Upgrade kits pay for themselves after only a few jobs.

- **E-Z Bore System for Briggs Raptor** $2,200.00
- **E-Z Bore System for Animal & Honda** $2,500.00
- **E-Z Bore System for Raptor, Animal, World Formula & Honda/Clone** $2,900.00
- **Upgrade Kit from Raptor System to OHV System – all motors** $ 750.00
- **Upgrade Kit from Animal System to Honda/Clone** - with centering plug $ 395.00
  - without plug $ 295.00

Visit our eBay store for more great deals and engine building tips & tricks!
http://stores.ebay.com/E-Z-Bore-Motorsports
**Neway Valve Seat Cutter Kits for Honda/Clone Motors**

Many times a small loss of compression in a single cylinder engine has a big impact in overall horsepower and performance. Cutting valve seats and lapping valves is a very simple procedure that in some cases will yield a substantial performance gain.

The cost of this kit could be recouped in a very short period of time by simply maintaining your personal engines or by performing service work for others.

**The standard kit includes:**
- (1) 45-degree small cutter head with carbides
- (1) 5.5mm pilot shaft
- Tool accessories: (1) cleaning brush, (1) pilot lock pin, (1) hex driver for adjusting carbides
- "T" cutter drive handle
- Tool case with instructions

**List Price:** $159.95

**The deluxe kit includes:**
- (1) 45-degree small cutter head with carbides
- (1) 30-degree small cutter head with carbides
- (1) 5.5mm expandable pilot
- Tool accessories: (1) cleaning brush, (1) pilot lock pin, (1) hex driver for adjusting carbides
- Easy-turn speed handle
- 6-cutter tool case with instructions

**List Price:** $279.95

We carry a full line of replacement parts for both kits. Please call our shop for current pricing, or visit our eCommerce site at http://www.ezbore.net/store.

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**Seat Angle Cutter Kit**

Pilot not included

**$695.00**

The Newest in Three Angle Ball Drive Tooling

- Use existing seat grinding arbors
- Available for most seat and guide machines
- Uses dead pilot (Kwik-Way, Sioux, Neway or Sunnen)
- Popular with General Automotive and Hi-performance shops
- Uses Regis or Serdi Carbide inserts

Kits available to fit Kwik-Way, Sioux, Neway or Sunnen Pilots

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**Pin Vise**

**$8.95**

This swivel-head pin vise has two double-end collets to hold drills between 0" and .125". Shaft unscrews to store unused collet and a reamer or two inside.

Drill bits not included
E-Z Bore’s Corner Speed Bearing Set

Eliminate binding/dragging from front hub bearing, during cornering with “E-Z Bore’s” Bearings Load Set. These bearings have been designed to handle side load and pick up the job where your standard ball bearing starts to give up.

In competitive kart racing the trend over the last few years has been to eliminate bearing drag and this E-Z Bore Bearing Set will eliminate side load binding, which occurs during cornering.

<table>
<thead>
<tr>
<th>Bearing Set</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>EZP 750630</td>
<td>(1) 3/4” bearings and washer set; and (3) 5/8” bearings and washer set.</td>
<td>$34.95</td>
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<tr>
<td>EZP 630630</td>
<td>(4) 5/8” bearings and washer set.</td>
<td>$34.95</td>
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</tbody>
</table>

Rear axle bearings with covers

One of the best ways to keep your kart competitive is to keep all the bearings free spinning and clean -- a very easy and economical way is to use a rear axle bearing with removable covers.

E-Z Bore offers replacement bearing sets with matching covers - these are 1 ¼” extra free spinning oil filled - #UC206-20K bearings. We have removed hub side shield and seal. Assemble bearings with the proper covers to eliminate fit and drag problems.

Set includes (2) 1 ¼” rear axle bearings with matching covers, and retaining button head bolts.

Carb Jet Drill Bits

Here's an excellent set of drill bits from .0135" to .039" in numbered drill size increments (#61 to #80 drill bits). These are the smaller size drill bits used for gas clone engine main jets and pilot jets of Walbro carburetors.

This drill bit kit has many applications. Use these sizes for carburetor tuning for everything from Radio Controlled to Motorcycle engines. This drill set comes in a plastic case and includes a conversion chart for the numbered size to the decimal equivalent.
This is the lapping tool that will make you throw away every other lapping stick that you have ever used.

The vacuum lapping tool provides a higher vacuum hold to valve, so it will not slip off easily. The rubber head flexes without popping off the valve. Slightly textured grip spins easily between hands to provide the ability to raise valve during lapping process.

Vacuum is created by plunger built into the lapping stick handle. Lapping stick includes a ¾” and 1 ¼” suction cup to cover small engine valves as well as larger automotive size valves.

$29.95

Dial Indicator Bracket
Fits Briggs OHV and Honda/Clone Motors
NOTE: Dial indicator and flat bar are sold separately.

Dial indicator bracket is designed for checking piston pop-up, timing and camshaft profiles with cylinder head removed.

Bracket comes complete with
- Instructions
- Thumb Screw (8mm) for quick bracket set-up on engine block
- Mounting bracket with dial indicator thumb screw

Tech Tool Collection

Stock Camshaft Tech Tool

This tool is designed to check intake valve running lift profile (Running lift readings, represent camshaft lobe profile with valve lash)

Stock intake lobes are required to have a maximum lift, along with e-z spin lift and duration. This tool will determine if there is suspicion of a non-stock camshaft. Final determination should be performed with cylinder head removed and zero lash as per tech manual.

With a little practice this check can be performed in minutes as a post qualifying or race inspection!

NOTE: This same gauge can be used for checking piston depth and setting timing on Animal, Honda and Clone racing engines with the cylinder head on. Carefully unscrew the “L” tip and replace with a 1-inch straight extension (sold separately).

E-Z Bore offers a complete line of tools needed for the Animal and World Formula Racing Engines

- Ring Lapping Tool
  - $14.95
- Ring Compressor Set -- Includes Standard, .010,.020 and .030 Rings (Available for Raptor and Animal engines)
  - $59.95
- Ring Compressor Set (5-pc for Animal & clone motors)
  - $79.95
- Ring Compressor Upgrade - Use with Animal set for clones
  - $21.95
- Cast Torque Plate -- Plate same thickness as cylinder head. Use original head bolts during torque procedures.
  - $28.95
OHV Engine Mount for head and block $124.95

Eliminate the hassle of chasing your engine around the work bench! The E-Z Bore engine platform can be used for:

- Secure upright mounting while boring with the E-Z Bore align boring system
- Portable hand-operated honing procedures
- Engine assembly and disassembly
- Post-race technical inspection
- Engine run in stand

Engine not included.

Built of heavy gauge steel (weighs 19 lbs.) and powder coated for years of shop usage. Unit is portable yet very stable; it is easily moved throughout your shop stations for service work.

The engine assembly stand offers a secure cylinder head support for inspection, disassembly and reassembly. Cylinder heads can be rotated 360 degrees during service work. Stand raises engine block off work bench sufficiently for installation of a 12-inch degree wheel without any interference during technical inspections or engine service procedures.

Drastically reduces service time in your engine shop, whether you're a home user or a commercial engine builder!

E-Z Bore Animal Head Milling Fixture $94.50

The E-Z Bore Head Milling Fixture provides a rigid mounting for chatter free machining on Briggs Animal and World Formula cylinder heads

Milling fixtures are made with 1" - 6061 aluminum plate. Heads rest on four (4) 5/16 adjusting screws providing the ability to adjust head at any of the 4 corners.

OHV Seat Puller Assembly $295.00

Seat removal and installation for the OHV Briggs engine presents challenges. The bottom ledges of the seats are not exposed, creating a need to machine a center groove in the I.D. of the seats.

E-Z Bore puller assembly comes with a hex mandrel and interchangeable jaws. Simply position mandrel assembly with correct jaws and expand into machined groove in seat. After installing mandrel assembly, place puller block across gasket surface of head and tighten puller to draw seat out of cylinder head.

End mill and saw/grooving tool pictured is sold separately.
E-Z Bore Sliding Angle Plate System

The E-Z Bore Angle Plate system is the perfect solution to a frequently asked question, "What is the best way to set up these engine blocks in a mill for boring and decking".

The Angle Plate System will provide rigid engine block mounting for milling deck surfaces and boring cylinders. The angle plate system also provides access on either side of the engine block to establish crankshaft alignment for better accuracy during boring operations. Table is heavy-duty constructed cast iron with an adjustment range from -45 to +45 degrees. Mounting plate holder features machined 1/2" "T" slots to hold mounting plate. Aluminum base plate is machined with small frame engine base bolt pattern.

One piece of equipment now allows you to use one base for virtually any type of OHV block. Animal/World Formula blocks have different cylinder angles than Honda/Clone or Yamaha blocks. Angle table can be used to position cylinder bore in a vertical position for use with the E-Z Bore system, for cylinder honing, for engine assembling, and for service work.

5” Face Mill Cutter Assembly

E-Z Bore is proud to offer a quality 5” facing end mill -- This end mill comes as assembly with an R-8 shank arbor and top quality carbide for working with cast iron and aluminum surfaces. With the wider surfaces of the overhead valve blocks and head many customers have been requesting a good alternative to using a fly cutter. This end mill provides a superior finish and gives you the ability to service cutter by replacing inserts as need. These cutters will provide many years of service. Most cutter heads sell for over $399.95 by themselves!

Cutter Assembly  $429.00

Cutter Head only - does not include carbide or arbor  $299.95

<table>
<thead>
<tr>
<th>Product Description</th>
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<tbody>
<tr>
<td>HONE, 1-1/4IN 320AO</td>
<td>33.79</td>
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<td>HONE, 1/2IN WRIST PIN</td>
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<td>HONE-18MM (.709IN) 320AO</td>
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<td>HONE-CYL 5.5MM 240AO</td>
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