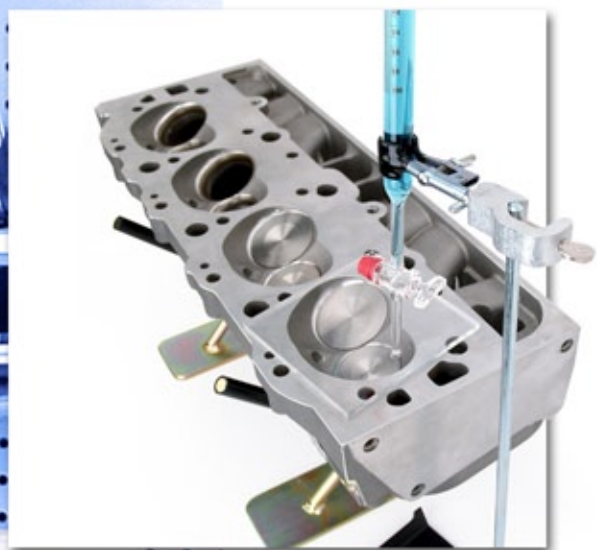


# Performance Tool Catalog



**The 24 Hour Tool Store**  
[www.powerhouseproducts.com](http://www.powerhouseproducts.com)

**1.800.872.7223**

## General Information

Our hours of operation are 8 a.m. to 5 p.m. CST Monday through Friday. Powerhouse® Products is closed on weekends and all legal holidays. All orders for in stock merchandise will be shipped the same day they are received.

**Powerhouse® Products**  
**3402 Democrat Road**  
**Memphis, TN 38118**  
**Toll-Free: 1-800-872-7223**  
**Local: 901-795-7600**  
**Fax: 901-375-3430**  
**www.powerhouseproducts.com**

## Ordering Information

### Phone:

Call our sales department at **1-800-872-7223** if you have technical questions or wish to make a purchase. Please ask for a tech sales person. Specify any special shipping instructions at time of order.

### Online:

Visit the Powerhouse® Products website to shop and order from our complete product line:

**www.powerhouseproducts.com**

We accept the following  
forms of payment:



Note: All credit cards are subject to a security check. C.O.D. shipments will be sent cashier check or money order only unless previous written authorization has been obtained.  
(There is a \$500.00 limit on C.O.D. orders)

## Pricing Information

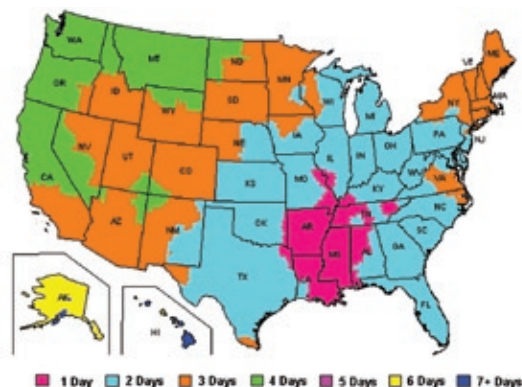
We strive to maintain catalog pricing; however, prices are subject to change without notice. You should always verify prices when ordering.

This catalog has been compiled to the best of our ability. We assume no liability for errors contained herein. It is the responsibility of the user / installer to ensure that the components are correct before installation. Powerhouse® Products reserves the right to make necessary changes in products it manufactures and markets at any time to meet demand or improve product performance. Except as noted, products in this catalog are not legal for sale or use on pollution-controlled motor vehicles. All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only, and it is not implied that any product listed is the product of these manufacturers or approved by any of these manufacturers. Any reproduction or use of this catalog in whole, or in part, is strictly forbidden without written permission from Powerhouse® Products.

## Shipping Information

We offer all levels of UPS and FedEx shipping. All orders will be shipped via FedEx Ground Service unless otherwise specified at time of order. Consult the map below to determine approximate shipping transit times (exclude weekends and holidays). Next Day, 2 Day, 3 Day and Saturday delivery services are also available. We recommend payment by credit card to avoid C.O.D. charges and simplify delivery. Overseas, APO and FPO orders must be paid in advance (including shipping charges), and will be shipped via the most economical method unless otherwise requested.

## Approximate FedEx Transit Days



## Damaged Merchandise

Any claim for damage must be made to the freight carriers. Do not return damaged merchandise to Powerhouse® Products unless requested to do so. Please contact us if you need assistance.

## Merchandise Returns

If for any reason you are dissatisfied with any purchase you have made from us, you have 90 days from shipment date to return the item for a full refund. You must call our office for prior approval and receive an Authorization Number before returning any merchandise. All returns must be shipped prepaid and insured. Refunds will be made only if product is new and in saleable condition (open or missing packaging is acceptable). See our product warranty section regarding returns of defective merchandise.

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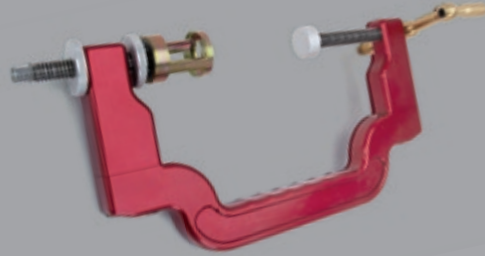


# New Products

## 2000 Valve Spring Compressor

The proprietary Wave Beam design of the 2000 Valve Spring Compressor provides ultra rigidity in a lightweight package. Dual adjustable design allows for perfect positioning and easy access to valves and springs. The spring cage has a small 1" inside diameter flange that works perfectly with most popular valve springs. Manufactured in the USA.

|                  |                              |                 |
|------------------|------------------------------|-----------------|
| <b>POW351062</b> | 2000 Valve Spring Compressor | <b>Buy Now!</b> |
|------------------|------------------------------|-----------------|



## Deluxe Universal Overhead Spring Compressor

The Powerhouse® Deluxe Universal Overhead Valve Spring Compressor easily removes valve springs on most cars and light trucks. This versatile spring compressor can be used with the cylinder heads on or off the engine. This unique tool features a removable handle that allows for use with a 5/8" socket or wrench in confined areas and an extra-long leg for more applications. For best results, use with our 14/18mm Air Operated Valve Holder (Part# POW301024) to pressurize the cylinder and keep the valves in place during removal of the springs and keepers.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351600</b> | Deluxe Univ. Overhead Spring Compressor | <b>Buy Now!</b> |
|------------------|---|-----------------|

## Valve Spring Height Gauge for Smaller Springs

This new Valve Spring Height Gauge for Smaller Springs is the latest technology to move from the performance aftermarket into the small engine performance market. The gauge assembles in the valve train, taking the place of the valve spring, and twists open to the same height as the optimal valve spring installation. Retainers and locks are then installed for quick and easy readings. Reads just like a micrometer, the gauge can measure installed height from .600" to .950" and is accurate to within .001".

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW101204</b> | Valve Spring Ht. Gauge - Smaller Springs | <b>Buy Now!</b> |
|------------------|--|-----------------|



## Valve Lash Adjusting Torque Wrench

This is a combination precision torque wrench and valve adjustment tool that simplifies making precision valve lash settings by properly torquing adjuster nuts every time.

- One tool does all "shaft" style rocker arms
- Accepts any standard 3/8" drive socket (not included)
- Comes with 1/8", 5/32" and 3/16" hex keys

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW351048</b> | Valve Lash Adj. Torque Wrench | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|

## Dual Feeler Gauge Handle

This Dual Feeler Gauge Handle holds two sets of feeler gauges on the same handle and is ideal for intake and exhaust or go, no-go gauges. This gauge handle will accept various styles of 1/2" wide feeler gauges (gauges not included) depending on your application.

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW351063</b> | Dual Feeler Gauge Handle | <b>Buy Now!</b> |
|------------------|--------------------------|-----------------|



## New Products

### Optical Comparator Set

Brilliantly clear optics offer undistorted images and highly accurate measurements. The scales are photo-etched into the glass reticles, which are placed in actual contact with the measured object. This portable optical comparator is utilized to check diameters, angles, hole sizes, thread measurements, radii, thicknesses and other applications via interchangeable reticles. This high grade magnifier has unlimited applications!

#### Kit Includes:

- 10 x Optical Comparator
- 9 Reticles
- Fitted Storage Case

**POW351074** Optical Comparator Set

**Buy Now!**



### Dial Bore Gauge Combo

Our two most popular sets are now being offered in one great combo! One tool measures rod bores, main bearings and cylinder bores – now at a cost that everyone can afford. Setting the bore gauge to zero with a master or micrometer allows you to see the difference in the bore that you are measuring so a precise measurement can be performed. These indicators can automatically zero in at any position and convert inch/metric with the push of a button.

#### Kit Includes:

- Standard 2-6" Bore Gauge set up
- Special Adapter and Anvil/Shim Kit for the 1.4" – 2.4" Set
- Supplied with either a .0005" or a .0001" Precision Dial Indicator
- Can also be supplied with our Electronic Indicators (Part# POW358000) in graduations of either .0005" or .0001"

**POW351075** Dial Bore Gauge Combo

**Buy Now!**



### Digital Protractor

Powerhouse® Products introduces a Digital Protractor that lets anyone measure angles with true digital accuracy. Check chassis setups, engine geometries or just level up that new piece of machinery. This is a tool you'll wonder how you ever did without. You will find uses for it everywhere!

**POW351073** Digital Protractor

**Buy Now!**



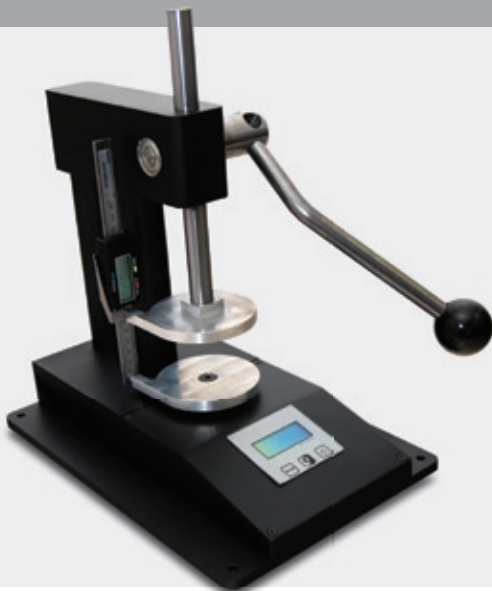
### 1500 lb Digital Arbor Spring Tester

Designed from the ground up to give you a fast and highly accurate way to measure springs in anything from lawnmowers to Top Fuel drag motors. Our Digital Arbor Spring Tester is a must have tool. With the arbor press design you will be able to go through a set of springs in minutes. Steel and aluminum construction gives you a sturdy yet portable tester with a high-tech load cell that will read up to 2000 lbs in 0.2 lb increments. Large, easy-to-read 5" travel digital height display.

- 2,000 lb/1,000 kg load cell, in 0.2 lb increments
- Billet 6061-T6 aluminum construction
- Digital travel readout
- 5" Travel capacity
- 3.5" Diameter spring pads for larger spring O.D.s
- Backlit for low light situations
- Standard 9-volt battery operation

**POW352500** 1500 lb Digital Arbor Spring Tester

**Buy Now!**



# Specialty Tools

## Valve Seal Installers

If you're tired of sacrificing your time, your tools and your knuckles trying to install Teflon seals on valve stems, then you need our Valve Seal Installer.

- Two-part tool comprised of bullet-nose sleeve (.010 wall) & hand piece
- Quality construction will provide you with a lifetime of use

|                  |                             |                          |
|------------------|-----------------------------|--------------------------|
| <b>POW101010</b> | 11/32" Valve Seal Installer | <a href="#">Buy Now!</a> |
| <b>POW101011</b> | 3/8" Valve Seal Installer   | <a href="#">Buy Now!</a> |
| <b>POW101012</b> | 5/16" Valve Seal Installer  | <a href="#">Buy Now!</a> |
| <b>POW101013</b> | 8mm Valve Seal Installer    | <a href="#">Buy Now!</a> |



POW101013

## Valve Seal Installer

- This durable CNC-machined aluminum Valve Seal Installer makes quick and easy work of installing PC seals
- Works with .500" and .531" PC seals
- Prevents seal distortion or gouging during installation
- Anodized for durability

*\*Valve seals pictured are not included.*

|                  |                      |                          |
|------------------|----------------------|--------------------------|
| <b>POW351395</b> | Valve Seal Installer | <a href="#">Buy Now!</a> |
|------------------|----------------------|--------------------------|



POW351395

## Valve Lash Wrenches

Our Valve Lash Wrenches make things simple when adjusting valves. We offer wrench/T-handle sets for most polylock and set screw combinations.

- High-quality wrenches constructed of 17-4 stainless steel
- Heat-treated & electro-polished to a satin finish
- T-handles are fitted for smooth operation

|                  |  |                          |
|------------------|--|--------------------------|
| <b>POW301550</b> | 9/16" Wrench w/ 3/16" & 7/32" T-Handles        | <a href="#">Buy Now!</a> |
| <b>POW301555</b> | 5/8" Wrench w/ 3/16" & 7/32" T-Handles         | <a href="#">Buy Now!</a> |
| <b>POW301560</b> | 7/16" Wrench w/ 1/8" T-Handle (Jesel Rockers)  | <a href="#">Buy Now!</a> |
| <b>POW301565</b> | 1/2" Wrench w/ 3/16" T-Handle (T&D Rockers)    | <a href="#">Buy Now!</a> |
| <b>POW301570</b> | 9/16" Wrench w/ 1/8" T-Handle (Chrysler Hemi)  | <a href="#">Buy Now!</a> |
| <b>POW301575</b> | 7/16" Wrench w/ 3/16" T-Handle (Chrysler Hemi) | <a href="#">Buy Now!</a> |
| <b>POW301580</b> | 1/2" Wrench w/ 3/16" T-Handle (Chrysler Hemi)  | <a href="#">Buy Now!</a> |
| <b>POW301585</b> | 7/16" Wrench w/ 5/32" T-Handle                 | <a href="#">Buy Now!</a> |

### Replacement Parts

|                  |                |                          |
|------------------|----------------|--------------------------|
| <b>POW301586</b> | 1/8" T-Handle  | <a href="#">Buy Now!</a> |
| <b>POW301587</b> | 3/16" T-Handle | <a href="#">Buy Now!</a> |
| <b>POW301588</b> | 7/32" T-Handle | <a href="#">Buy Now!</a> |
| <b>POW301589</b> | 5/32" T-Handle | <a href="#">Buy Now!</a> |



POW301555



POW301560

POW301580

# Specialty Tools

## AN Fitting Wrenches

These wrenches are made specifically to tighten all of those expensive aluminum fittings you so proudly display on your vehicle.

- Precision machined of 6061-T6 aluminum
- Sized & relieved in the corners
- Engineered to be a perfect fit, so won't mar your fittings
- Compact design handles help prevent over-tightening
- Color code anodized & size stamped for easy identification

|                  |                                 |                 |
|------------------|---------------------------------|-----------------|
| <b>POW302025</b> | 4pc Set (#6, #8, #10, #12)      | <b>Buy Now!</b> |
| <b>POW302030</b> | 8pc Set (#3 through #20)        | <b>Buy Now!</b> |
| <b>POW302003</b> | #3 AN Wrench 1/2" Hex Size      | <b>Buy Now!</b> |
| <b>POW302004</b> | #4 AN Wrench 9/16" Hex Size     | <b>Buy Now!</b> |
| <b>POW302006</b> | #6 AN Wrench 11/16" Hex Size    | <b>Buy Now!</b> |
| <b>POW302008</b> | #8 AN Wrench 7/8" Hex Size      | <b>Buy Now!</b> |
| <b>POW302010</b> | #10 AN Wrench 1" Hex Size       | <b>Buy Now!</b> |
| <b>POW302012</b> | #12 AN Wrench 1 1/4" Hex Size   | <b>Buy Now!</b> |
| <b>POW302016</b> | #16 AN Wrench 1 1/2" Hex Size   | <b>Buy Now!</b> |
| <b>POW302020</b> | #20 AN Wrench 1 13/16" Hex Size | <b>Buy Now!</b> |

POW302030



## AN Adjustable Wrenches

A drawer full of wrenches is fine for the shop, but a professional mechanic with on-site needs doesn't always have space for all of those extra tools. Powerhouse® Products delivers with a pair of Adjustable Wrenches that fit any AN fitting from #3 through #20 and will fit in your pocket.

- Made in America from top quality aluminum
- Pocket-sized for those last-minute starting line checks
- One wrench handles AN fittings from #3 through #8
- Second wrench covers AN fittings from #10 through #20

|                  |                                   |                 |
|------------------|-----------------------------------|-----------------|
| <b>POW302000</b> | #3 through #8 Adjustable Wrench   | <b>Buy Now!</b> |
| <b>POW302001</b> | #10 through #20 Adjustable Wrench | <b>Buy Now!</b> |

POW302001



POW302000

## Pro Model Torque Wrenches

- Micrometer-type torque wrenches have positive spring-loaded locking mechanisms to prevent setting changes
- Pro 25-250 ft/lb wrench also features 1/2" drive & 45 tooth ratcheting head
- In/lb version utilizes a 3/8" ratchet & has a range of 25-250 in/lbs
- Torque in left or right direction & accurate throughout entire range
- Anodized aluminum hand grip & chrome plated bodies come furnished in a fitted plastic case

|                  |                            |                 |
|------------------|----------------------------|-----------------|
| <b>POW256353</b> | 25-250 ft/lb Torque Wrench | <b>Buy Now!</b> |
| <b>POW256351</b> | 25-250 in/lb Torque Wrench | <b>Buy Now!</b> |



POW256351



# Specialty Tools

## Precision Torque Wrench

A high-quality Precision Torque Wrench is likely one of the most important tools to anyone who builds engines. Powerhouse® offers a micrometer type, 1/2" drive, ratcheting torque wrench that clicks when you've reached your desired setting.

- Precision-made, imported wrench has a range of 10-150 ft/lbs
- Includes a calibrated 3/8" adapter & extension
- Comes in a molded, plastic storage case

|                  |                                       |                 |
|------------------|---------------------------------------|-----------------|
| <b>POW351570</b> | Precision Torque Wrench 10-150 ft/lbs | <b>Buy Now!</b> |
|------------------|---------------------------------------|-----------------|



POW351570

## Lockbuster – Spiro Lock Remover

- Powerhouse® Products now offers the Lockbuster, the ultimate tool for removing those annoying wrist pin spiro locks
- Special design of the interchangeable head gets under the lock and slides it easily out of the pin groove
- Kit includes one handle, one head and plastic case

*\*Note: Some older style spiro locks are not compatible without some minor modifications to the lock.*

### Handle and Head Kits

|                  |                                      |                 |
|------------------|--------------------------------------|-----------------|
| <b>POW351091</b> | Small Block Ford .912 Diameter Head  | <b>Buy Now!</b> |
| <b>POW351092</b> | Small Block Chevy .927 Diameter Head | <b>Buy Now!</b> |
| <b>POW351093</b> | Big Block Chevy .990 Diameter Head   | <b>Buy Now!</b> |

### Lockbuster Head Only

|                  |                    |                 |
|------------------|--------------------|-----------------|
| <b>POW351095</b> | .912 Diameter Head | <b>Buy Now!</b> |
| <b>POW351094</b> | .927 Diameter Head | <b>Buy Now!</b> |
| <b>POW351096</b> | .990 Diameter Head | <b>Buy Now!</b> |

### Special Spiro Locks

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW351097</b> | .927 X .042 Double Wound | <b>Buy Now!</b> |
| <b>POW351098</b> | .990 x .042 Double Wound | <b>Buy Now!</b> |



POW351093



POW351098

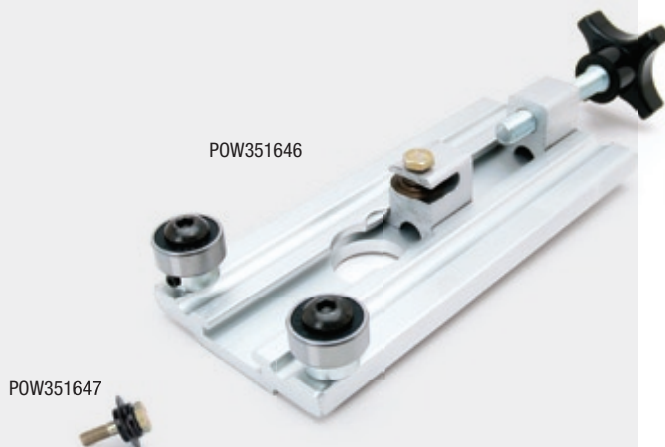
## Oil Filter Cutter

- Use our oil filter cutter to cut open any cartridge type filter
- Once you have the filter open, it's easy to unfold the filter element in order to look for bits of metal or other debris
- Cutter includes one blade

|                  |                   |                 |
|------------------|-------------------|-----------------|
| <b>POW351646</b> | Oil Filter Cutter | <b>Buy Now!</b> |
|------------------|-------------------|-----------------|

### Replacement Part

|                  |                   |                 |
|------------------|-------------------|-----------------|
| <b>POW351647</b> | Replacement Blade | <b>Buy Now!</b> |
|------------------|-------------------|-----------------|



POW351646

POW351647

## Hook & Pick Set

Our Hook & Pick Set has thousands of uses around the shop, like removing o-rings or spiro locks, scribing lines, marking tools, installing small springs, etc. This set includes a hook, pick, point and scribe that screw into a handle that doubles as a magnetic pick-up tool. A handy storage pouch is also included.

|                  |                 |                 |
|------------------|-----------------|-----------------|
| <b>POW351695</b> | Hook & Pick Set | <b>Buy Now!</b> |
|------------------|-----------------|-----------------|



POW351695



# Specialty Tools

## Hose & Fitting Assembly Kit

Powerhouse® has created a solution for the often time consuming task of installing stainless steel braided hose into the socket part of the assembly. Just insert the socket into the tool, twist the hose in, and in less than 10 seconds it's assembled.

- Manufactured of high-tech composite, virtually indestructible
- No need to worry about vise marks on your fittings or wearing of the hose
- Small kit contains capsules to install AN sizes 4, 6 & 8 hoses into their respective sockets & accommodates all different manufacturers' fittings
- Large kit contains capsules to install AN sizes 10, 12 & 16

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351468</b> | Small Braided Hose & Fitting Assembly Kit | <b>Buy Now!</b> |
| <b>POW351016</b> | Large Braided Hose & Fitting Assembly Kit | <b>Buy Now!</b> |



POW351468

POW351016

## Universal Transmission Tailshaft Plug

Our Universal Transmission Tailshaft Plug eliminates the need to drain the transmission fluid when removing the driveshaft.

- Can be used for every type of transmission, double ended design makes this trans tailshaft plug truly universal
- Simply plug into tailshaft housing & fluid stays where it belongs

|                  |                                       |                 |
|------------------|---------------------------------------|-----------------|
| <b>POW301230</b> | Universal Transmission Tailshaft Plug | <b>Buy Now!</b> |
|------------------|---------------------------------------|-----------------|



POW301230

## Universal Pinion Depth Setting Tool

- Powerhouse® Products' unique design allows our Universal Pinion Depth Setting Tool to work on any differential housing
- Attaches to the split where the carrier bearing retaining cap bolts on

|                  |                                     |                 |
|------------------|-------------------------------------|-----------------|
| <b>POW356000</b> | Universal Pinion Depth Setting Tool | <b>Buy Now!</b> |
|------------------|-------------------------------------|-----------------|



POW356000

## Remote Starter Switch

How many times have you been working on an engine and needed someone to sit inside the car and bump the starter over, or worse yet, been showered with sparks when you used a screwdriver across the starter solenoid? Well, with our push-button Remote Starter Switch you can turn the engine over from under the hood, all by yourself. Just think how handy this will be the next time you adjust your valves.

|                  |                       |                 |
|------------------|-----------------------|-----------------|
| <b>POW301220</b> | Remote Starter Switch | <b>Buy Now!</b> |
|------------------|-----------------------|-----------------|



POW301220

# Valve Train Tools

## Checking Springs

Our set of low tension Checking Springs can be installed by hand in place of your valve springs to simplify measuring piston-to-valve clearance, rocker arm ratio, cam degreasing, etc. Each set contains eight springs (enough for one head).

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW101325</b> | Set of Eight Checking Springs | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|



## Pro Valve Lock Remover/Installer Tool

Don't risk your fingers when removing or installing valve locks anymore. Our new magnetic tool is definitely the best way to perform this delicate task. Several styles are available for most automotive & motorcycle applications.

**To Install Locks:** Compress valve spring, place valve locks on magnetic stem, push body of tool over the locks and position them on the valve stem, release valve spring.

**To Remove Locks:** Use the magnetic stem to pluck off the valve locks once the spring is compressed.

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351006</b> | Pro Valve Lock Tool - 5mm, 5.5mm & 6mm | <b>Buy Now!</b> |
| <b>POW351007</b> | Pro Valve Lock Tool - 7mm, 8mm & 5/16" | <b>Buy Now!</b> |
| <b>POW351008</b> | Pro Valve Lock Tool - 1 1/32"          | <b>Buy Now!</b> |
| <b>POW351009</b> | Pro Valve Lock Tool - 3/8"             | <b>Buy Now!</b> |

POW351006



## Heavy-Duty Manual Valve Spring Compressor

- Our easy-to-use Manual Valve Spring Compressor can handle even the biggest valve springs being used today
- Constructed of a welded steel, box-tubing frame and an over-center type clamping device that can compress any valve spring
- Compressor arm slides up-and-down for adjustment and utilizes a locking pin for speed and ease of use

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351015</b> | Heavy-Duty Manual Valve Spring Compressor | <b>Buy Now!</b> |
|------------------|---|-----------------|



POW351015

## Small Engine Valve Spring Compressor

Forget the headache of trying to use screwdrivers to pry up your retainers in order to remove the valves. Designed to work on Briggs & Stratton and similar engines, our heavy-duty Small Engine Valve Spring Compressor is built to get the job done.

|                  |                                      |                 |
|------------------|--------------------------------------|-----------------|
| <b>POW351018</b> | Small Engine Valve Spring Compressor | <b>Buy Now!</b> |
|------------------|--------------------------------------|-----------------|



POW351018

## Adjustable On Head Valve Spring Tester

A great way to check spring pressure on an assembled engine, this billet aluminum tool fits onto your rocker arm for quick pressure checks.

- Adjustable for use with almost any rocker length
- Measures pressures up to 600 lbs

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351047</b> | Adjustable On Head Valve Spring Tester | <b>Buy Now!</b> |
|------------------|--|-----------------|



POW351047

# Valve Train Tools

## Hydraulic Mini Spring Testers

- Hydraulic mini tester designed to be portable & low cost option to bench top style spring testing
- Equipped with rubber gauge protector & recalibration feature
- Hex design body can be placed in a vise or used with an arbor press
- Can also be used in a drill press (with the use of a flange)
- Available in several ranges & increments

|                  |                                 |                 |
|------------------|---------------------------------|-----------------|
| <b>POW351049</b> | 0-60 lb x 1 lb Spring Tester    | <b>Buy Now!</b> |
| <b>POW351050</b> | 0-100 lb x 2 lb Spring Tester   | <b>Buy Now!</b> |
| <b>POW351055</b> | 0-300 lb x 5 lb Spring Tester   | <b>Buy Now!</b> |
| <b>POW351060</b> | 0-600 lb x 10 lb Spring Tester  | <b>Buy Now!</b> |
| <b>POW351065</b> | 0-1000 lb x 20 lb Spring Tester | <b>Buy Now!</b> |

### Optional Parts

|                  |                    |                 |
|------------------|--------------------|-----------------|
| <b>POW351070</b> | Drill Press Flange | <b>Buy Now!</b> |
| <b>POW360095</b> | Calibration Spring | <b>Buy Now!</b> |

POW351065



POW360095

POW351070

## Digital Electronic Spring Tester

Our highly accurate Digital Electronic Spring Tester is reliable, repeatable and can check springs up to 2" in diameter and 4" in height. Accuracy is held to +/- .25% throughout the unit's 0 – 1000 lb range, & the readout is in 1/10 lb increments.

- This electronic spring tester features digital travel & height readout that greatly simplifies setting up valve springs
- Unique crankwheel handle allows precise setting & "hands-off" reading
- 9 Volt battery operation makes this tool truly portable & very easy to move around the shop and take along to the races

|                  |                                  |                 |
|------------------|----------------------------------|-----------------|
| <b>POW352000</b> | Digital Electronic Spring Tester | <b>Buy Now!</b> |
|------------------|----------------------------------|-----------------|



POW352000

## Adjustable Valve Spring Removers

- Screw mechanism maintains position to easily remove/install valve locks
- Heavy-duty construction can tackle even the heaviest spring pressures
- Engineered from billet aluminum
- Fully adjustable for different valve angles

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351054</b> | Adj. Valve Spring Remover - SBC LS1/LS6                            | <b>Buy Now!</b> |
| <b>POW351052</b> | Adj. Valve Spring Remover - SBC w/ Jesel or T&D Rockers            | <b>Buy Now!</b> |
| <b>POW351058</b> | Adj. Valve Spring Remover - BBC w/ Jesel or T&D Rockers*           | <b>Buy Now!</b> |
| <b>POW351061</b> | Adj. Valve Spring Remover - Stud Mount - All 7/16" Studs           | <b>Buy Now!</b> |
| <b>POW351059</b> | Adj. Valve Spring Remover - Spring Remover Kit for Big Chief Heads | <b>Buy Now!</b> |

*\*Also fits splayed or canted valve SBC and V6, SB2 w/ Jesel or T&D rockers and Small Block Ford w/ Jesel or T&D rockers.*



POW351052

POW351058

POW351061



# Valve Train Tools

## Retainer Housing Reducer

Our Retainer Housing Reducer is a press-in reducer for use on our spring changers. It allows you to use our adjustable valve spring removers on smaller diameter springs (such as Beehive™-style or Ford Modular engine springs).

Could be used on the following spring changers:

- POW351054
- POW351059
- POW351052
- POW351058
- POW351061

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW351053</b> | Retainer Housing Reducer | <b>Buy Now!</b> |
|------------------|--------------------------|-----------------|

POW351053



## Spring Seat Cutters

Most high performance engines require larger-than-stock diameter valve springs. Our Spring Seat Cutters allow you to machine the spring seats using an ordinary hand drill. We even offer seat cutters to accommodate the spring seat cups that are so widely used today. All seat cutters cut to .630" inside diameter.

*\*Note: These Spring Seat Cutters utilize our interchangeable arbors, which are sold separately, so order the one that matches your valve stem diameter.*

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351319</b> | Spring Seat Cutter 1.320" O.D.                     | <b>Buy Now!</b> |
| <b>POW351320</b> | Spring Seat Cutter 1.440" O.D.                     | <b>Buy Now!</b> |
| <b>POW351325</b> | Spring Seat Cutter 1.550" O.D.                     | <b>Buy Now!</b> |
| <b>POW351330</b> | Spring Seat Cutter 1.580" O.D.<br>(For Use w/ Cup) | <b>Buy Now!</b> |
| <b>POW351335</b> | Spring Seat Cutter 1.680" O.D.<br>(For Use w/ Cup) | <b>Buy Now!</b> |
| <b>POW351340</b> | Spring Seat Cutter 1.740" O.D.<br>(For Use w/ Cup) | <b>Buy Now!</b> |

POW351335



POW351320



## Valve Guide Cutter

Powerhouse® Valve Guide Cutters are designed to shorten the valve guide boss for high lift cams and also reduce the outside diameter to accept triple springs and/or aftermarket valve seals.

*\*Note: These Valve Guide Cutters utilize our interchangeable arbors, which are sold separately, so order the one that matches your valve stem diameter.*

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351341</b> | Valve Guide Cutter .446" (For Triple Springs)        | <b>Buy Now!</b> |
| <b>POW351342</b> | Valve Guide Cutter .485" (For Triple Springs)        | <b>Buy Now!</b> |
| <b>POW351345</b> | Valve Guide Cutter .530" (For Standard Teflon Seals) | <b>Buy Now!</b> |
| <b>POW351350</b> | Valve Guide Cutter .625" (For Stock Diameter Seals)  | <b>Buy Now!</b> |

POW351345



POW351341



POW351350



## Arbor/Pilot for Cutters

Arbors are used to guide and valve cutters into the appropriately sized valve guide. Order the according arbor pilot for cutting the O.D. of a valve guide or a spring seat on the head.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351370</b> | Arbor/Pilot for Cutters - 5/16" Diameter  | <b>Buy Now!</b> |
| <b>POW351380</b> | Arbor/Pilot for Cutters - 11/32" Diameter | <b>Buy Now!</b> |
| <b>POW351390</b> | Arbor/Pilot for Cutters - 3/8" Diameter   | <b>Buy Now!</b> |

POW351370



# Valve Train Tools

## Stud Boss Cutter with Pilot

When switching over your factory heads for screw-in studs, it is necessary to machine down the stud boss equal to the thickness of the new stud's jam nut, plus the guide plate thickness. Powerhouse® Stud Boss Cutter includes a universal arbor that also acts as a pilot/guide and fits into the original stud hole.

|                  |                             |                 |
|------------------|-----------------------------|-----------------|
| <b>POW351360</b> | Stud Boss Cutter with Pilot | <b>Buy Now!</b> |
|------------------|-----------------------------|-----------------|

POW351360



## Valve Train Organizer Trays

Our Valve Train Organizer Trays are perfect for novice or pro engine builders alike. The durable polymer trays neatly store your engine components while assembling or rebuilding your engine.

- One tray stores valves, springs & retainers
- The other stores rockers, lifters & pushrods
- Labeled front & rear to help keep track of your part location for assembly
- Each tray has convenient, built-in transporting handles to make easy work of moving parts around your shop or garage

*\*Engine components pictured are not included.*

|                  |                   |                 |
|------------------|-------------------|-----------------|
| <b>POW735001</b> | Valve Spring Tray | <b>Buy Now!</b> |
| <b>POW735002</b> | Rocker Arm Tray   | <b>Buy Now!</b> |



POW735002

POW735001

## Spring Testers

These bench top hydraulic testers have been the standard for checking spring height vs. spring pressure since 1929. All models can handle springs up to a 2" diameter and 4 1/2" free lengths and read weights in 5 lb increments, making them useful beyond just checking valve, transmission and clutch springs.

*\*Note: For ability to test and recalibrate your unit in the field, we recommend purchasing the Calibrated Test Spring listed below.*

|                  |                                |                 |
|------------------|--------------------------------|-----------------|
| <b>POW360071</b> | 0-125 lb x 1 lb Spring Tester  | <b>Buy Now!</b> |
| <b>POW360067</b> | 0-250 lb x 1 lb Spring Tester  | <b>Buy Now!</b> |
| <b>POW360068</b> | 0-350 lb x 1 lb Spring Tester  | <b>Buy Now!</b> |
| <b>POW360069</b> | 0-500 lb x 2 lb Spring Tester  | <b>Buy Now!</b> |
| <b>POW360070</b> | 0-1000 lb x 5 lb Spring Tester | <b>Buy Now!</b> |

### Recommended Part

|                  |                        |                 |
|------------------|------------------------|-----------------|
| <b>POW360095</b> | Calibrated Test Spring | <b>Buy Now!</b> |
| <b>POW351530</b> | Indicator Bracket      | <b>Buy Now!</b> |



POW360070

## Digital Spring Tester

Powerhouse® also offers the accurate & reliable Spring Tester in a high-tech, digital format.

- Backlit LCD window displays both force and height in .01" increments
- Has pass/fail settings & a 0-1200 lb range
- Rugged cast aluminum housing has a drilled base plate for bench mounting & features last reading memory
- Utilizes one 9V battery (included)

|                  |                                 |                 |
|------------------|---------------------------------|-----------------|
| <b>POW360075</b> | Digital Spring Tester - 1200 lb | <b>Buy Now!</b> |
|------------------|---------------------------------|-----------------|

### Recommended Part

|                  |                   |                 |
|------------------|-------------------|-----------------|
| <b>POW351530</b> | Indicator Bracket | <b>Buy Now!</b> |
|------------------|-------------------|-----------------|

Product image coming soon

POW360075

# Valve Train Tools

## Flow Bench Valve Opening Fixture

This Flow Bench Valve Opening Fixture makes it easier than ever to precisely set and measure valve opening on a cylinder head while using a flow bench.

- Designed to fit virtually any cylinder head
- Has an affixed .001" backward reading micrometer
- Sliding bar feature makes set-up and testing quick and easy



PO0W351085

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351085</b> | <b>Flow Bench Valve Opening Fixture</b> | <b>Buy Now!</b> |
|------------------|---|-----------------|

## Digital Precision Cam Degreeing System Base Kit

The Powerhouse® Digital Precision Cam Degreeing System allows the serious engine builder to degree the camshaft of most domestic engines in record time with accuracy. This translates into greater precision measurements, more horsepower and torque and faster engine builds. The "Base Kit" includes the innovative electronic computer "brain" that uses advanced microprocessor technology to import the data and calculate camshaft, piston and crankshaft positions. This starter kit allows you to add your own piston dial and cam lobe indicators and mounting hardware to have a fully functional kit.



POW358000

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW358000</b> | <b>Digital Cam Degreeing System Base Kit</b> | <b>Buy Now!</b> |
|------------------|--|-----------------|

## Digital Precision Cam Degreeing System Pro Kit

The Powerhouse® Digital Precision Cam Degreeing System allows the serious engine builder to degree the camshaft of most domestic engines with extreme accuracy. The patented system utilizes an electronic encoder that enables the user to calculate and display the intake centerline, in crankshaft degrees, to within 1/10 of a degree in about half the time required to accurately use a degree wheel.

- Determines exact location of the camshaft to within 1/10 of a degree
- Compact design allows the camshaft and timing gear to be completely accessible throughout the degreeing process
- Engine specific crank adapters sold separately
- Includes: electronic computer "brain", control box, power source, cam lobe indicator, piston dial indicator and all mounting hardware

*\*Adapters are not included. See listing on next page.*



POW358001

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW358001</b> | <b>Digital Cam Degreeing System Pro Kit</b> | <b>Buy Now!</b> |
|------------------|---|-----------------|



# Valve Train Tools

## Crankshaft Adapters

- For use with our Digital Precision Cam Degreeing Systems (page 12)
- Created from anodized aluminum
- Generic adapter is machinable to desired size for application
- Our eight piece kit includes all adapters listed below

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW358002</b> | Crankshaft Adapter - Big Block Chevy (Gr)   | <b>Buy Now!</b> |
| <b>POW358003</b> | Crankshaft Adapter - Small Block Chevy (Or) | <b>Buy Now!</b> |
| <b>POW358004</b> | Crankshaft Adapter - Ford (Bl)              | <b>Buy Now!</b> |
| <b>POW358005</b> | Crankshaft Adapter - Mopar (Yl)             | <b>Buy Now!</b> |
| <b>POW358006</b> | Crankshaft Adapter - Olds (Blk)             | <b>Buy Now!</b> |
| <b>POW358007</b> | Crankshaft Adapter - Pontiac (Rd)           | <b>Buy Now!</b> |
| <b>POW358008</b> | Crankshaft Adapter - LS1 (Blk)              | <b>Buy Now!</b> |
| <b>POW358009</b> | Crankshaft Adapter - Generic (Slvr)         | <b>Buy Now!</b> |
| <b>POW358010</b> | Crankshaft Adapter Kit - 8pcs               | <b>Buy Now!</b> |



## Cam Checking Tools

These Cam Checking Tools slide down into the lifter bore and ride on top of the camshaft in order to measure lobe lift and base circle run-out.

- Comes complete with two followers: one for flat tappet or hydraulic cams and one follower for roller cams
- Two different versions are available and each one is double ended
- An o-ring on each end holds the tool securely in the lifter bore
- For use with any standard dial indicator (not included)

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW101400</b> | Cam Checker - GM & Ford                    | <b>Buy Now!</b> |
| <b>POW101405</b> | Cam Checker - Chrysler & Top Fuel          | <b>Buy Now!</b> |
| <b>POW101410</b> | Extension - For Use on Chrysler Hemi & 440 | <b>Buy Now!</b> |

### Optional Part

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| <b>POW151100</b> | 0-1" .001" Dial Indicator | <b>Buy Now!</b> |
|------------------|---------------------------|-----------------|



## Cam Lobe Indicator

Reading the cam lobe lift is essential to a properly tuned valve train. The Powerhouse® Cam Lobe Indicator slides into the lifter bore and with the use of a dial indicator (not included) reads the cam lobe lift. Constructed of durable steel, they include two followers one for flat tappet and one for roller cams.

|                  |                    |                 |
|------------------|--------------------|-----------------|
| <b>POW358011</b> | Cam Lobe Indicator | <b>Buy Now!</b> |
|------------------|--------------------|-----------------|

### Optional Part

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| <b>POW151100</b> | 0-1" .001" Dial Indicator | <b>Buy Now!</b> |
|------------------|---------------------------|-----------------|



## DOHC Cam Gear Lock

This adjustable DOHC Cam Gear Lock fits onto the cam gears by way of knurled pins. Once the tool is in place, your cam gears remain stationary while replacing timing belts or chains or for reassembly after valve swaps.

- Adjusts to fit many different applications
- Constructed of anodized aluminum, making it lightweight yet durable enough to ensure years of service

|                  |                    |                 |
|------------------|--------------------|-----------------|
| <b>POW368800</b> | DOHC Cam Gear Lock | <b>Buy Now!</b> |
|------------------|--------------------|-----------------|



# Valve Train Tools

## Dial Indicator

Dial Indicators are precision measuring tools with a myriad of applications in the machine shop. Once you move beyond the basic machining operations you will definitely want to have one or more of these in your workshop.

- High-quality jeweled movement .001" Dial Indicator
- Incorporates 0-1" travel, 0-100 dial face, revolution counter, .001" accuracy and 2 1/4" diameter with a 3/8" shaft

*\*See additional Dial Indicators in the Measuring Tools section on page 32.*

|                  |                |                 |
|------------------|----------------|-----------------|
| <b>POW358013</b> | Dial Indicator | <b>Buy Now!</b> |
|------------------|----------------|-----------------|

### Optional Parts

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW151120</b> | Dial Indicator Indication Extension Kit | <b>Buy Now!</b> |
|------------------|---|-----------------|



POW358013

## 9" Degree Wheel

The highly accurate 9" Degree Wheel makes the important tasks of degreasing a cam and checking engine clearances easy and affordable.

- Can be bolted in place or used with one of our pro crank sockets in order to conveniently check your specifications
- Can be used with engine still in bay
- High-contrast black-on-white, screen printed design on metal wheel makes degree wheel easy-to-read and wipe clean

|                  |                 |                 |
|------------------|-----------------|-----------------|
| <b>POW101500</b> | 9" Degree Wheel | <b>Buy Now!</b> |
|------------------|-----------------|-----------------|

### Optional Part

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| <b>POW101501</b> | Wire Degree Wheel Pointer | <b>Buy Now!</b> |
|------------------|---------------------------|-----------------|



POW101500

POW101501

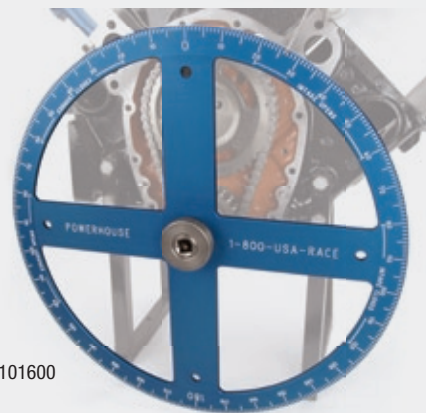
## 16" Pro Universal Degree Wheel

- Machined from 1/4" thick aluminum plate
- Blue anodized and meticulously engraved to perfection
- Convenient open design allows degree bushing changes while the wheel is still on the engine
- 1" center hole allows it to work with our pro crank sockets or use the included reducer bushings with your balancer bolt

|                  |                                    |                 |
|------------------|------------------------------------|-----------------|
| <b>POW101600</b> | 16" Pro Universal Degree Wheel Kit | <b>Buy Now!</b> |
|------------------|------------------------------------|-----------------|

### Optional Part

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| <b>POW101501</b> | Wire Degree Wheel Pointer | <b>Buy Now!</b> |
|------------------|---------------------------|-----------------|



POW101600

## Heads Off Cam Checking Fixture

We designed this Heads Off Cam Checking Fixture to maintain proper geometry while holding a dial indicator (not included) and 5" extension (not included) precisely over the lifters.

- Comes with both 1/2" and 7/16" adapters
- Easily attaches to any engine block
- Also offered is a model for use on head blocks with head studs installed

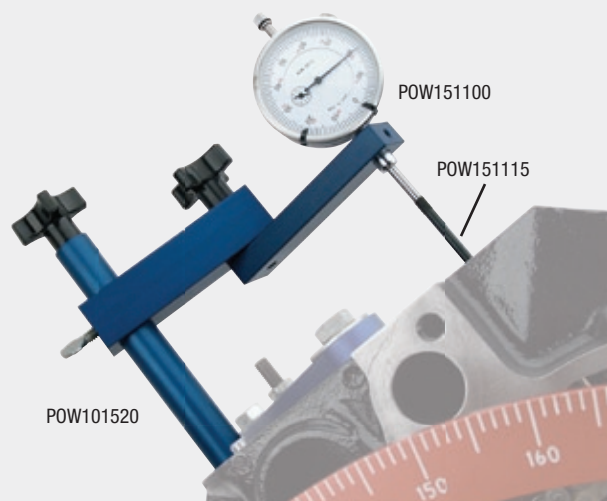
|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101520</b> | Heads Off Checking Fixture-1/2" & 7/16" Threads | <b>Buy Now!</b> |
|------------------|---|-----------------|

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW101530</b> | Heads Off Checking Fixture-1/2" Head Studs | <b>Buy Now!</b> |
|------------------|--|-----------------|

### Optional Parts

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| <b>POW151100</b> | 0-1" .001" Dial Indicator | <b>Buy Now!</b> |
|------------------|---------------------------|-----------------|

|                  |                             |                 |
|------------------|-----------------------------|-----------------|
| <b>POW151115</b> | 5" Dial Indicator Extension | <b>Buy Now!</b> |
|------------------|-----------------------------|-----------------|



POW101520

POW151100

POW151115

# Valve Train Tools

## Heads Off Camshaft Degree Kit

This kit contains everything needed for camshaft degreeding when the cylinder head are OFF the engine.

Kit Includes:

- POW101500 - 9" Degree Wheel
- POW101501 - Wire Degree Wheel Pointer
- POW101520 - Heads Off Cam Checking Fixture
- POW151100 - 0-1" Travel Dial Indicator
- POW151115 - 5" Dial Indicator Extension
- POW101335 - Plate Style TDC Stop
- Instructions and Foam Padded Plastic Case

*\*We suggest the use of our Pro Crank Sockets to complete the package. See page 14.*

|                  |                                    |                 |
|------------------|------------------------------------|-----------------|
| <b>POW101580</b> | Heads Off Camshaft Degree Kit - 9" | <b>Buy Now!</b> |
|------------------|------------------------------------|-----------------|



POW101580

## Pro Heads Off Camshaft Degree Kit

Our Pro Heads Off Camshaft Degree Kit comes with everything needed for cam degreeding when the cylinder head are OFF the engine.

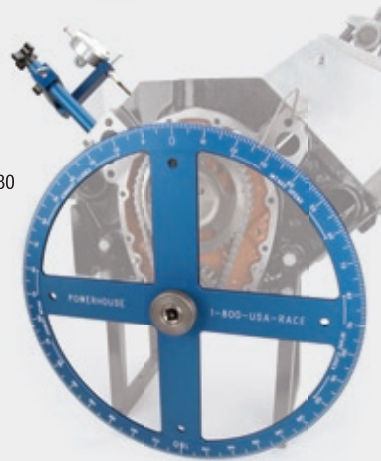
Kit Includes:

- POW101600 - 16" Pro Degree Wheel
- POW101501 - Wire Degree Wheel Pointer
- POW101520 - Heads Off Cam Checking Fixture
- POW151100 - 0-1" Travel Dial Indicator
- POW151115 - 5" Dial Indicator Extension
- POW101335 - Plate Style TDC Stop
- POW103055 - Wheel Bushings for 7/16", 1/2", 9/16" & 5/8" Bolt Holes

*\*Degreeding Wheel can be used with our Pro Crank Sockets. See page 14.*

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101680</b> | Pro Heads Off Camshaft Degree Kit - 16" | <b>Buy Now!</b> |
|------------------|---|-----------------|

POW101680



## Heads On Cam Checking Fixture

This checking fixture screws into any 1/4"-20 valve cover bolt hole and with the use of a dial indicator (not included), allows you to measure cam lift at the rocker, pushrod or lifter.

- This multi-purpose tool can also be used to check rocker ratio, piston-to-valve clearance and crankshaft end play
- Included in our Universal Cam Degree Kit (Part# POW101545)

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW101540</b> | Heads On Cam Checking Fixture | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|

### Optional Part

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| <b>POW151100</b> | 0-1" .001" Dial Indicator | <b>Buy Now!</b> |
|------------------|---------------------------|-----------------|

POW151100

POW101540



## Universal Heads On Camshaft Degree Kit

This kit contains everything needed for camshaft degreeding when the cylinder head are ON the engine, including our instructional DVD that demonstrates proper cam degreeding techniques.

Could be used on the following:

- POW101500 - 9" Degree Wheel
- POW101501 - Wire Degree Wheel Pointer
- POW101540 - Heads On Cam Checking Fixture
- POW151100 - 0-1" Travel Dial indicator
- POW902000 - Cam Degreeding DVD
- POW101330 - Bolt Style TDC Stop
- POW101325 - (2) Lightweight Checking Springs
- Complete Instruction Booklet
- Everything comes packed in a foam lined plastic larrying case

*\*We suggest the use of our Pro Crank Shaft Sockets on page 16 to complete the package.*

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW101545</b> | Universal Heads On Degree Kit | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|

POW101545





# Valve Train Tools

## Pro Crankshaft Sockets

When slipped on the end of a crankshaft, these specially designed sockets let you use a 1/2" drive ratchet or breaker bar to rotate the engine assembly. These sockets give you the ability to hold your degree wheels with a 1" or larger center hole in place. This allows you to turn the degree wheel independent of the engine, which is quite handy when finding TDC.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW103050</b> | Pro Crankshaft Socket – Small Block Chevy | <b>Buy Now!</b> |
| <b>POW103075</b> | Pro Crankshaft Socket – LS1/LS6 Gen III   | <b>Buy Now!</b> |
| <b>POW103055</b> | Pro Crankshaft Socket – Big Block Chevy   | <b>Buy Now!</b> |
| <b>POW103060</b> | Pro Crankshaft Socket – All Ford          | <b>Buy Now!</b> |
| <b>POW103070</b> | Pro Crankshaft Socket – All Chrysler      | <b>Buy Now!</b> |



POW103075



POW103050

## Piston Dial Indicator (w/ Mounting Hardware)

This Piston Dial Indicator allows you to check the valve lift to confirm a properly set valve train. The fixture mounts a dial indicator on the cylinder head so the lift can be read off the spring retainer. Constructed of steel, this tool offers infinite adjustability and comes with all the necessary hardware.

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW358012</b> | Piston Dial Indicator (w/ Mounting Hardware) | <b>Buy Now!</b> |
|------------------|--|-----------------|



POW358012

## Pro Pushrod Length Checker

Designed like a micrometer, you insert the Pro Pushrod Length Checker in place of a pushrod and unscrew it until the correct length and geometry are achieved. Read the height from the etched markings, with each revolution equal to .05". Let this tool make simple and inexpensive work of this critical calculation.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101210</b> | 5.800" to 6.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101215</b> | 6.800" to 7.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101220</b> | 7.800" to 8.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101225</b> | 8.800" to 9.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101226</b> | 9.800" to 10.800" Length Checker        | <b>Buy Now!</b> |
| <b>POW101230</b> | 9.800" to 10.800" Cup End Checker       | <b>Buy Now!</b> |
| <b>POW101235</b> | 10.800" to 11.800" Cup End Checker      | <b>Buy Now!</b> |
| <b>POW101240</b> | 4 Piece Kit 5.800" through 9.800" Range | <b>Buy Now!</b> |



POW101210



POW101215

## Pushrod Slot Louis Tool

Cylinder head man Louis Cox designed this tool to simplify switching from factory Small Block Chevy heads to 1.6 ratio rockers to keep the pushrod from rubbing the bottom of the pushrod slot in the head.

- Allows you to use a hand drill with a 5/16" bit to elongate the pushrod slot in the precise location and size necessary
- This tool is for limited use, purchase a new one for each set of heads

|                  |                         |                 |
|------------------|-------------------------|-----------------|
| <b>POW351305</b> | Pushrod Slot Louis Tool | <b>Buy Now!</b> |
|------------------|-------------------------|-----------------|



POW351305

# Valve Train Tools

## Pushrod Assembly Tool

- Makes assembling pushrod kits so easy anyone can do it
- Cut the tubing in a lathe, deburr the ends and use our Pushrod Assembly Tool to press the ends in place
- Eliminates the risk of splitting or bending the pushrod

|                  |                       |                 |
|------------------|-----------------------|-----------------|
| <b>POW351310</b> | Pushrod Assembly Tool | <b>Buy Now!</b> |
|------------------|-----------------------|-----------------|

POW351310



## Camshaft Installation Handles

These effective handles provide leverage and a non-slip grip when installing or removing a cam. Hex design handle stores all necessary hardware inside. This tool will save you time, pinched fingers and nicked cam bearings.

- Universal handle includes five interchangeable adapters that fit most domestic V6 and V8 engines, including Chevrolet, Ford and Chrysler
- Chevrolet specific handle fits Small and Big Block Chevy V8s and comes equipped with all necessary hardware.

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW101045</b> | Universal Camshaft Installation Handle             | <b>Buy Now!</b> |
| <b>POW101035</b> | Chevrolet Camshaft Installation Handle w/ Hardware | <b>Buy Now!</b> |

POW101045



## Universal Cam Checker

- Slides into the lifter bore for a quick check of lobe lift or when degreasing your newly installed camshaft
- Made of precision machined, anodized aluminum
- Uses non-marring Delrin expanding segments
- Quickly adjusts to fit lifter bores ranging from .750" to 1.050" diameter
- Two tips are included for use with flat tappet or roller cams
- 0-1" Dial Indicator is included

|                  |                       |                 |
|------------------|-----------------------|-----------------|
| <b>POW351024</b> | Universal Cam Checker | <b>Buy Now!</b> |
|------------------|-----------------------|-----------------|

POW351024



## Lifter Organizer/Protector Box

This unique product of ours is great for keeping lifters in proper sequence during an engine rebuild or for storing lifters that are not in use. Our plastic molded Lifter Organizer/Protector Box works with any flat tappet or hydraulic lifters and will even work with roller lifters that have removable link bars. The handy lid keeps out dust and dirt and will only fit on one way, so you can't mess up the order.

*\*Lifters pictured are not included.*

|                  |                                |                 |
|------------------|--------------------------------|-----------------|
| <b>POW101800</b> | Lifter Organizer/Protector Box | <b>Buy Now!</b> |
|------------------|--------------------------------|-----------------|

POW101800



# Spark Plug Tools

## Spark Plug Gapping Tool

This Spark Plug Gapping Tool is perfect for checking and adjusting standard spark plugs. Steel construction and compact design make this an essential addition to any toolbox.

|           |                         |          |
|-----------|-------------------------|----------|
| POW301070 | Spark Plug Gapping Tool | Buy Now! |
|-----------|-------------------------|----------|

POW301070



## Spark Plug Thread Chaser

- Renew stripped spark plug holes using our Spark Plug Thread Chaser
- Long 13/16" hex design prevents wobble
- Neoprene ring holds the heat-treated chaser securely in your socket
- Double-ended to fit both 14mm & 18mm threads

|           |                          |          |
|-----------|--------------------------|----------|
| POW351690 | Spark Plug Thread Chaser | Buy Now! |
|-----------|--------------------------|----------|



POW351690

## Spark Plug Indexing Washers

These washers are used by many racers to properly index their spark plugs in the combustion chamber for piston dome clearance or for added power.

- Come 30 to a pack, 10 of each different thicknesses
- Available for 14mm flat seat or 14mm taper seat plugs

*\*Note: These washers are a great addition to our Spark Plug Indexing Board (Part # POW301055).*

|           |  |          |
|-----------|--|----------|
| POW301090 | 14mm Flat Seat Index Washer<br>(10 each of .043", .054" and .064")     | Buy Now! |
| POW301095 | 14mm Tapered Seat Index Washers<br>(10 each of .010", .021" and .032") | Buy Now! |



POW301090



POW301095

## Mechanic's Gloves & Sleeves

- Protect your hands and arms from heat, cuts and abrasions
- Made of 100% ballistic Kevlar
- Offers protection without sacrificing dexterity or comfort
- An absolute must for anyone who works around cars or equipment

|           |                                  |          |
|-----------|----------------------------------|----------|
| POW301100 | Kevlar Mechanic's Gloves (Pair)  | Buy Now! |
| POW301110 | Kevlar Mechanic's Sleeves (Pair) | Buy Now! |

POW301100



POW301110





# Spark Plug Tools

## Spark Plug Indexing Board

Top engine builders all know that to wring every ounce of power out of an engine, little things like positioning the spark plug electrode become important. This is also critical in an engine with domed pistons because the piston can close the plug gap if not positioned properly. Set up this Spark Plug Indexing Board to match your cylinder heads, and you can position your plugs in the tool exactly how you want them in any particular cylinder.

- The moveable bushings in our indexer plate allow you to set the plate up for any set of cylinder heads
- This indexing board gives you the option to fit plugs to a particular cylinder or use index washers to tweak the plugs into position
- Speeds up the plug indexing process

|                  |                           |                 |
|------------------|---------------------------|-----------------|
| <b>POW301055</b> | Spark Plug Indexing Board | <b>Buy Now!</b> |
|------------------|---------------------------|-----------------|



POW301055

## Pro Spark Plug Viewer

For reading spark plugs, or close up inspection of parts, this is the tool to have. The hooded design of our Pro Spark Plug Viewer is perfect for viewing plugs and the 10X power magnification is aided by the light that shines directly on the item being inspected. This is the same viewer you see the pros using on TV to tune their engines. Powered by two "C" batteries (not included).

|                  |                       |                 |
|------------------|-----------------------|-----------------|
| <b>POW301080</b> | Pro Spark Plug Viewer | <b>Buy Now!</b> |
|------------------|-----------------------|-----------------|



POW301080

## Pro Model Torque Wrenches

- Micrometer-type torque wrenches have positive spring-loaded locking mechanisms to prevent setting changes
- Pro 25-250 ft/lb wrench also features 1/2" drive & 45 tooth ratcheting head
- In/lb version utilizes a 3/8" ratchet and has a range of 25-250 in/lbs
- Torque in left or right direction & accurate throughout entire range
- Anodized aluminum hand grip and chrome plated bodies come furnished in a fitted plastic case

|                  |                            |                 |
|------------------|----------------------------|-----------------|
| <b>POW256353</b> | 25-250 ft/lb Torque Wrench | <b>Buy Now!</b> |
| <b>POW256351</b> | 25-250 in/lb Torque Wrench | <b>Buy Now!</b> |



POW256351

## Spark Plug Sockets

These Spark Plug Sockets are designed for confined header configurations, where access to spark plugs may be limited. These header sockets are extremely high-quality, professional tools, fully CNC-machined from 15-5 stainless steel aircraft alloy and properly heat-treated. The internal hex is electronically cut and designed to give a lifetime of use. These ingenious sockets will work on virtually any cylinder head/exhaust header combo.

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW301150</b> | 5/8" Spark Plug Socket   | <b>Buy Now!</b> |
| <b>POW301155</b> | 13/16" Spark Plug Socket | <b>Buy Now!</b> |



POW301155

# Engine Block Tools

## Engine Storage Stands

Powerhouse® Engine Storage Stands come in three engine-specific sizes to fit Small and Big Block Chevrolet, Small Block Ford and Small Block Chrysler engines. Steel mounting arms are adjustable and easy-to-attach

- Secure mounting arms ensure engine remains upright in the cradle
- High-quality, finely crafted steel

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW102130</b> | Small Block & Big Block Chevy | <b>Buy Now!</b> |
| <b>POW102131</b> | Small Block Ford              | <b>Buy Now!</b> |
| <b>POW102132</b> | Small Block Chrysler          | <b>Buy Now!</b> |



POW102130



POW102132



POW102131

## Standard 3-Hole Deck Bridge

Our popular Deck Bridge is useful for checking piston dome height and deck clearance while assembling an engine. Blue anodized aluminum has a 4 3/4" span with three holes for dial indicator position (indicators not included), or you mount an indicator in each end to check piston rock.

|                  |                             |                 |
|------------------|-----------------------------|-----------------|
| <b>POW101310</b> | Standard 3-Hole Deck Bridge | <b>Buy Now!</b> |
|------------------|-----------------------------|-----------------|

### Optional Parts

|                  |                                      |                 |
|------------------|--------------------------------------|-----------------|
| <b>POW151100</b> | Optional 0 to 1" .001 Dial Indicator | <b>Buy Now!</b> |
| <b>POW151205</b> | Optional 0 to 6" .001" Dial Calipers | <b>Buy Now!</b> |



POW101310

## Pro Magnetic Deck Bridges

- Has super strong magnets in each leg to attach firmly to deck surface
- 3-Hole pro-model holds dial calipers in an upright position to measure crankshaft stroke accurate to .001"
- Available in blue or gold anodized aluminum

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101315</b> | Pro Magnetic 3-Hole Deck Bridge - Blue Anodized | <b>Buy Now!</b> |
| <b>POW101316</b> | Pro Magnetic 2-Hole Deck Bridge - Gold Anodized | <b>Buy Now!</b> |

### Optional Parts

|                  |                                      |                 |
|------------------|--------------------------------------|-----------------|
| <b>POW151100</b> | Optional 0 to 1" .001 Dial Indicator | <b>Buy Now!</b> |
| <b>POW151205</b> | Optional 0 to 6" .001" Dial Calipers | <b>Buy Now!</b> |



POW101315

POW101316

# Engine Block Tools

## Precision Straight Edges

Use our Precision Straight Edges to check the evenness and/straightness of heads, blocks, flywheels or any other flat surface.

- Constructed from heat-treated steel
- 1/4" thick straight edges are precision ground to .001"
- Designed with convenient hang-hole at one end
- Straight edges come with a durable, wooden storage case

|           |                             |          |
|-----------|-----------------------------|----------|
| POW256429 | 24" Precision Straight Edge | Buy Now! |
| POW256431 | 36" Precision Straight Edge | Buy Now! |



POW256429

## Precision Warp & Alignment Gauge

Use this 3/4" bar like a straight edge to check flatness of heads and blocks; can also be used to check curved surfaces like main saddles.

- Heavy-duty bar is accurate to .002" over its entire 26" length
- Designed with convenient hang up hook for storage and anti-roll stopper for ease of use and protection from damage

|           |                                      |          |
|-----------|--------------------------------------|----------|
| POW256430 | 26" Precision Warp & Alignment Gauge | Buy Now! |
|-----------|--------------------------------------|----------|



POW256430

## Lifter Bore Grooving Tool

Developed by one of the top NASCAR engine builders, this innovative tool precisely grooves the lifter bore to ensure that pressure fed oil is directly injected into the contact area between the lifter and camshaft. This increased oiling significantly reduces wear on the camshaft and lifters and decreases the risk of premature failure during break-in. This machining operation to the block is quick, easy, inexpensive and it's the best insurance for a new camshaft.

- Complete with grooving tool, cutter and handle
- Engine must be disassembled to use this tool – cuts groove from .009" to .012"

|           |  |          |
|-----------|--|----------|
| POW351026 | .842 Diameter Chevrolet Bore Grooving Tool | Buy Now! |
|-----------|--|----------|

### Replacement Part

|           |                    |          |
|-----------|--------------------|----------|
| POW351131 | Replacement Cutter | Buy Now! |
|-----------|--------------------|----------|



POW351026

## Pro Engine Cleaning Kit

This seven-piece professional engine builder's brush kit will have your engine primed and ready to build in no time.

Kit includes:

- 3" Extra Large Bore Brush
- 2" Cam Brush w/ Long Handle
- 1" Lifter Bore Brush with Long Handle
- 1/2" Heavy-Duty Oil Galley Brush
- 1/4" Bolt Hole Brush
- Nylon Bristle Surface brush
- 1 Quart of concentrated cleaner for removal of tough grime, grease & oil

|           |                         |          |
|-----------|-------------------------|----------|
| POW351307 | Pro Engine Cleaning Kit | Buy Now! |
|-----------|-------------------------|----------|



POW351307



# Engine Block Tools

## Universal Cam Bearing Installation Kit

- Best available to cleanly and accurately install or remove cam bearings from any engine block
- With a range of 1.125" to 2.690", this tool should handle any size or make of engine you might encounter
- Kit's five expanding mandrels are neoprene covered to protect the inner surface of the bearings and prevent grooving
- A centering cone, extension rod & case are included

Lose a part? We readily offer replacement components for our entire Cam Bearing Kit.

|                          |  |                 |
|--------------------------|--|-----------------|
| <b>POW101025</b>         | Universal Cam Bearing Installation Kit | <b>Buy Now!</b> |
| <b>Replacement Parts</b> |  |                 |
| <b>POW180200</b>         | Cam Bearing Collet Set – 1.475"-1.700" | <b>Buy Now!</b> |
| <b>POW180400</b>         | Cam Bearing Collet Set – 1.700"-1.925" | <b>Buy Now!</b> |
| <b>POW180600</b>         | Cam Bearing Collet Set – 1.925"-2.150" | <b>Buy Now!</b> |
| <b>POW180800</b>         | Cam Bearing Collet Set – 2.150"-2.375" | <b>Buy Now!</b> |
| <b>POW181000</b>         | Cam Bearing Collet Set – 2.375"-2.690" | <b>Buy Now!</b> |
| <b>POW184100</b>         | Rubber Sleeve – 1.125"-1.475"          | <b>Buy Now!</b> |
| <b>POW181200</b>         | Rubber Sleeve – 1.475"-1.700"          | <b>Buy Now!</b> |
| <b>POW181400</b>         | Rubber Sleeve – 1.700"-1.925"          | <b>Buy Now!</b> |
| <b>POW181600</b>         | Rubber Sleeve – 1.925"-2.150"          | <b>Buy Now!</b> |
| <b>POW181800</b>         | Rubber Sleeve – 2.150"-2.375"          | <b>Buy Now!</b> |
| <b>POW182000</b>         | Rubber Sleeve – 2.375"-2.690"          | <b>Buy Now!</b> |
| <b>POW182200</b>         | Driver Bar                             | <b>Buy Now!</b> |
| <b>POW182300</b>         | Driver Extension                       | <b>Buy Now!</b> |
| <b>POW182500</b>         | Driver Stud                            | <b>Buy Now!</b> |
| <b>POW182800</b>         | Expander Cone                          | <b>Buy Now!</b> |
| <b>POW183300</b>         | Expander Assembly                      | <b>Buy Now!</b> |
| <b>POW183400</b>         | Expander Shaft & Cone                  | <b>Buy Now!</b> |
| <b>POW183500</b>         | Expander Segment Set                   | <b>Buy Now!</b> |
| <b>POW183900</b>         | Nylon Cone                             | <b>Buy Now!</b> |
| <b>POW184300</b>         | Small Washer – 1.125"-1.700"           | <b>Buy Now!</b> |
| <b>POW184200</b>         | Large Washer – 1.700"-2.690"           | <b>Buy Now!</b> |



POW101025

POW180200



POW183400



POW183500



## Oil Pump Primers

- Allow oil pump to be primed & engine prelubed prior to install start-up
- Eliminate chance of "dry start" & premature engine damage
- Chevy tool also includes bushing to pressurize the upper valve train
- Pro-model (Part# POW101150) has a top alignment collar

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101150</b> | Oil Pump Primer – All Chevy V8 & 90° V6 (w/ Bushing)          | <b>Buy Now!</b> |
| <b>POW101155</b> | Oil Pump Primer – Ford 260-351W (1/4" Hex Drive)              | <b>Buy Now!</b> |
| <b>POW101160</b> | Oil Pump Primer – Ford 302-351C&M & 400-460 (5/16" Hex Drive) | <b>Buy Now!</b> |

POW101150



# Engine Block Tools

## 1/4" Oil Galley Pipe Plug Socket

- Ultimate extraction tool for oil galley pipe plugs in the engine block
- Can remove male and female plugs without worrying about tool failure
- 1/2" drive impact sockets utilize a retractable tool steel bit with sharp corners to ensure a perfect fit in the pipe plug

|           |                                  |          |
|-----------|----------------------------------|----------|
| POW351655 | 1/4" Oil Galley Pipe Plug Socket | Buy Now! |
|-----------|----------------------------------|----------|

### Replacement Parts

|           |                 |          |
|-----------|-----------------|----------|
| POW351656 | Replacement Bit | Buy Now! |
|-----------|-----------------|----------|



POW351026

## Lifter Valley Standpipes

- Lifter Valley Standpipes for plugging the oil drain holes of a block to keep debris out of your oiling system
- Set of eight extruded aluminum standpipes with hex design
- An Allen wrench can be used for simple installation/removal
- Utilize a 1/4" NPT threads

|           |                                     |          |
|-----------|-------------------------------------|----------|
| POW801060 | Lifter Valley Standpipes – Set of 8 | Buy Now! |
|-----------|-------------------------------------|----------|



POW801060

## Oil Restrictors

When building a high performance engine with a solid or roller camshaft, it is sometimes necessary to limit the amount of oil going to the rockers. Our oil restrictors direct more oil to the rod and main bearings, where it's needed most. The oil gallery must be threaded to use our set screw type restrictors, but no machine work is required for the o-ringed machined aluminum screw-in type. Sold in pairs.

|           |   |          |
|-----------|---|----------|
| POW801080 | Oil Restrictors Chevy V8 Dual .055" Orifice | Buy Now! |
|-----------|---|----------|



POW801080

## Composite Freeze Plug Drivers

Our Composite Freeze Plug Drivers are designed to perfectly install freeze plugs in any engine. Our 6" long drivers feature a stepped design to install the plugs at the proper depth every time. The unique non-marring composite construction of these tools provides great rigidity and long lasting durability. Set includes: 1 1/2" shallow driver, 1 5/8" deep driver, and 1 3/4" shallow driver.

|           |  |          |
|-----------|--|----------|
| POW101285 | Composite Freeze Plug Drivers - Set of 3 | Buy Now! |
|-----------|--|----------|



POW101285

# Cylinder Head Tools

## Valve Spring Height Mics

The quickest, easiest and most accurate way to measure valve spring installed height. Install our Height Mic like you would a valve spring, then expand the tool until it has seated the valve, locks and retainer. This simulated seat pressure allows ultra precise readings to .001". The shorter model is for 4 and 6 cylinder engines, while the taller version covers most V8s. Powerhouse® now offers a Beehive™ model for Beehive™ valve springs.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101204</b> | .600" to .9500" Spring Height Mic             | <b>Buy Now!</b> |
| <b>POW101205</b> | 1.400" to 1.800" Spring Height Mic            | <b>Buy Now!</b> |
| <b>POW101200</b> | 1.600" to 2.200" Spring Height Mic            | <b>Buy Now!</b> |
| <b>POW101203</b> | 1.600" to 2.200" Spring Height Mic – Beehive™ | <b>Buy Now!</b> |



## Top Dead Center Stops

Necessary when degreasing-in any camshaft, TDC Stops are designed to positively stop the piston in order to find Top Dead Center. Stop bolt screws into the spark plug hole, while our universal plate bolts across any cylinder bore when the heads are off.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101330</b> | 14mm Bolt Style – Heads On (Most Engines) | <b>Buy Now!</b> |
| <b>POW101332</b> | 18mm Bolt Style – Heads On (BB Ford)      | <b>Buy Now!</b> |
| <b>POW101335</b> | Deck Plate Style – Heads Off (Universal)  | <b>Buy Now!</b> |



## Cubic Inch Tester

- Cylinder capacity of 84 cubic inches in 1/2" increments
- Can pump a V8 as large as 670 total cubic inches
- Easy-to-use and comes in a wooden carry case complete with 14mm spark plug adapters, hose, thermometer, temperature correction factors and complete instructions on use

|                  |                        |                 |
|------------------|------------------------|-----------------|
| <b>POW301000</b> | 670" Cubic Inch Tester | <b>Buy Now!</b> |
|------------------|------------------------|-----------------|

### Replacement Part

|                  |                                       |                 |
|------------------|---------------------------------------|-----------------|
| <b>POW301004</b> | Replacement Thermometer for CI Tester | <b>Buy Now!</b> |
|------------------|---------------------------------------|-----------------|



## Compression Tester

Check the condition of your engine with our high performance 0-300psi Compression Tester. Our unit features a 16" heavy-duty long reach flex hose, side release valve (for multiple readings) and 14mm and 18mm spark plug adapters. Our large 2 1/2" easy-to-read gauge is graduated in both pounds and kilograms.

|                  |                             |                 |
|------------------|-----------------------------|-----------------|
| <b>POW301050</b> | 0-300psi Compression Tester | <b>Buy Now!</b> |
|------------------|-----------------------------|-----------------|

### Optional Parts

|                  |              |                 |
|------------------|--------------|-----------------|
| <b>POW301051</b> | 10mm Adapter | <b>Buy Now!</b> |
| <b>POW301052</b> | 12mm Adapter | <b>Buy Now!</b> |
| <b>POW301053</b> | 16mm Adapter | <b>Buy Now!</b> |





# Cylinder Head Tools

## Heavy-Duty Manual Valve Spring Compressor

Our easy-to-use Heavy-Duty Manual Valve Spring Compressor can handle even the biggest valve springs being used today.

- Constructed of a welded steel, box-tubing frame and an over-center type clamping device that can compress any valve spring
- Compressor arm slides up-and-down for adjustment and utilizes a locking pin for speed and ease of use

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351015</b> | Heavy-Duty Manual Valve Spring Compressor | <b>Buy Now!</b> |
|------------------|---|-----------------|



POW351015

## Shaft Mount Valve Spring Compressor

- Our Shaft Mount Spring Compressor simplifies valve spring removal
- Allows you to remove high pressure valve springs while cylinder heads are still on the engine for added convenience
- Simplifies the reassembly process

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351035</b> | Spring Compressor - SB & 90° V6 Chevy                  | <b>Buy Now!</b> |
| <b>POW351036</b> | Spring Compressor - BB Chevy                           | <b>Buy Now!</b> |
| <b>POW351037</b> | Spring Compressor - SB Mopar (318-360, W2 & 3.3 V6)    | <b>Buy Now!</b> |
| <b>POW351038</b> | Spring Compressor - BB Mopar (383-440 & B1 Heads)      | <b>Buy Now!</b> |
| <b>POW351035</b> | Spring Compressor - BB Mopar (w/ Jesel Shaft)          | <b>Buy Now!</b> |
| <b>POW351039</b> | Pivot Shaft for Dart Big Chief Heads (use w/ BBC Tool) | <b>Buy Now!</b> |



POW351035

## Spring Seat Cutters

Most high performance engines require larger-than-stock diameter valve springs. Our Spring Seat Cutters allow you to machine the spring seats using an ordinary hand drill. We even offer seat cutters to accommodate the spring seat cups that are so widely used today. All seat cutters cut to .630" inside diameter.

*\*Note: These Spring Seat Cutters utilize our interchangeable arbors, which are sold separately, so order the one that matches your valve stem diameter.*

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351319</b> | Spring Seat Cutter 1.320" O.D.                  | <b>Buy Now!</b> |
| <b>POW351320</b> | Spring Seat Cutter 1.440" O.D.                  | <b>Buy Now!</b> |
| <b>POW351325</b> | Spring Seat Cutter 1.550" O.D.                  | <b>Buy Now!</b> |
| <b>POW351330</b> | Spring Seat Cutter 1.580" O.D. (For Use w/ Cup) | <b>Buy Now!</b> |
| <b>POW351335</b> | Spring Seat Cutter 1.680" O.D. (For Use w/ Cup) | <b>Buy Now!</b> |
| <b>POW351340</b> | Spring Seat Cutter 1.740" O.D. (For Use w/ Cup) | <b>Buy Now!</b> |



POW351335

## Piston Dome Thickness Checker

It's crucial to know how much dome/deck thickness you have before modifying piston domes or fly-cutting valve pockets. This tool lets you make that measurement with complete confidence. This is a must for any automotive machine shop or engine builder.

- Specially designed contact point measures even the most complicated dome shapes for a convenient and accurate measurement
- Utilizes a .001" dial indicator (included)

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW351080</b> | Piston Dome Thickness Checker | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|



POW351080

# Cylinder Head Tools

## Pro Head CC Kits

Our kits provide everything you need to properly cc cylinder head combustion chambers, intake and exhaust runners, intake manifolds or cylinders.

- Precision glass burets are compatible with alcohol, parts washer fluid or virtually any liquid you may need to measure
- Scales are marked off in .2cc increments (except 250cc model) & actually reads out the amount poured, eliminating any math involved
- All kits contain a precision glass buret with integral petcock, a stand & clamp assembly, a flat plexiglass plate to cover the combustion chamber and instructions on how to properly cc cylinder heads

*\*Head & head holders pictured are not included.*

|                  |                              |                 |
|------------------|------------------------------|-----------------|
| <b>POW351170</b> | 50cc x .1cc Pro Head CC Kit  | <b>Buy Now!</b> |
| <b>POW351150</b> | 100cc x .2cc Pro Head CC Kit | <b>Buy Now!</b> |
| <b>POW351140</b> | 125cc x .2cc Pro Head CC Kit | <b>Buy Now!</b> |
| <b>POW351160</b> | 250cc x 1cc Pro Head CC Kit  | <b>Buy Now!</b> |

### Replacement Components

|                  |                                  |                 |
|------------------|----------------------------------|-----------------|
| <b>POW351165</b> | 50cc x .1cc Glass Buret          | <b>Buy Now!</b> |
| <b>POW351100</b> | 100cc x .2cc Glass Buret         | <b>Buy Now!</b> |
| <b>POW351135</b> | 125cc x .2cc Glass Buret         | <b>Buy Now!</b> |
| <b>POW351115</b> | 250cc x 1cc Glass Buret          | <b>Buy Now!</b> |
| <b>POW351105</b> | 100cc x 1cc Graduated Flask      | <b>Buy Now!</b> |
| <b>POW351110</b> | Stand and Clamp Kit              | <b>Buy Now!</b> |
| <b>POW351120</b> | Plexiglass Chamber Sealing Plate | <b>Buy Now!</b> |

*\*Note: All glass burets must be shipped by air service.*

## Sportsman Head CC Kit

If you only occasionally need to cc cylinder heads or don't need to be ultra precise, our Sportsman Head CC Kit is for you. It uses a 100cc graduated flask that measures in 1cc increments, so you can get fairly accurate results without the expense of a buret. This kit also includes a combustion chamber sealing plate and instructions on how to cc cylinder heads.

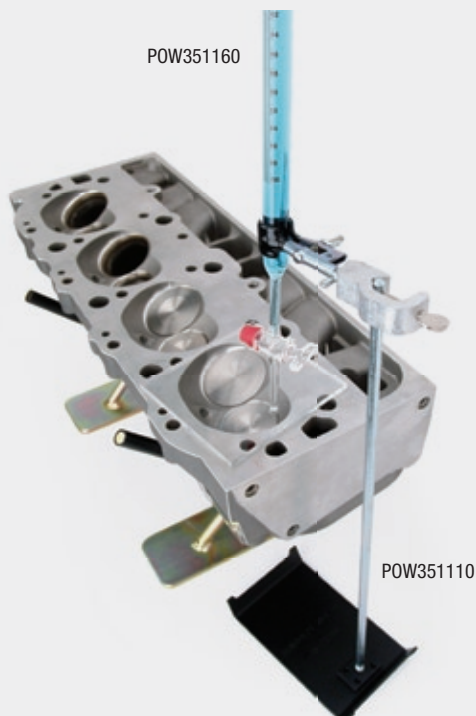
*\*Head & head holder pictured are not included.*

|                  |                       |                 |
|------------------|-----------------------|-----------------|
| <b>POW351155</b> | Sportsman Head CC Kit | <b>Buy Now!</b> |
|------------------|-----------------------|-----------------|

## Rocker Stud Puller & Tap Guide

Our Rocker Stud Puller & Tap Guide fixture provides a convenient means to remove pressed in rocker studs. Just slide the tool over two side-by-side studs and crank down on the retaining nut to force out the stud. Then use the tool, with the supplied arbor, to ensure proper alignment when tapping the boss for screw-in studs.

|                  |                                |                 |
|------------------|--------------------------------|-----------------|
| <b>POW351300</b> | Rocker Stud Puller & Tap Guide | <b>Buy Now!</b> |
|------------------|--------------------------------|-----------------|



# Cylinder Head Tools

## Bolt Hole Elongation Tool

This handy tool is used to elongate the intake bolt holes on a Small Block Chevy intake manifold. Using a 7/16" drill bit and a hand drill, the tool guides the bit and elongates the holes in the manifold.

- Clamps securely in place, locating off the existing bolt hole
- Made from durable heat-treated steel

|           |                           |          |
|-----------|---------------------------|----------|
| POW351306 | Bolt Hole Elongation Tool | Buy Now! |
|-----------|---------------------------|----------|



## Thread Restorer Tap Sets

- High-quality tap sets will restore & clean bolt holes in blocks, heads, components, etc., without undercutting
- We offer sets in both N.C. & N.F. thread types, and all sizes are stamped for ease of identification
- Both of our six piece sets are packed in a plastic pouch & include sizes 1/4", 5/16", 3/8", 7/16", 1/2", and 9/16"

|           |   |          |
|-----------|---|----------|
| POW351675 | Thread Restorer Tap Set - Coarse Thread | Buy Now! |
| POW351680 | Thread Restorer Tap Set - Fine Thread   | Buy Now! |



## 10 Piece Rethreader Die Set

Our nut type rethreader hex dies are just what is needed for cleaning and restoring threads in tight places. Made of the finest heat-treated steel, our 10 piece kit includes sizes 1/4", 5/16", 3/8", 7/16" and 1/2" in both coarse and fine thread. All sizes are individually marked for ease of use.

|           |                                       |          |
|-----------|---------------------------------------|----------|
| POW351685 | 10 Piece Rethreader Die Set - NC & NF | Buy Now! |
|-----------|---------------------------------------|----------|



## Stud Remover/Installer

- Speeds up removal/installation of head or main studs on an engine
- This tool utilizes a cam mechanism designed to fit into tight spots and get out those hard to turn studs
- Our tool Will handle everything from 1/4" to 3/4" diameter studs

*\*Note: Not intended for use with pressed-in studs.*

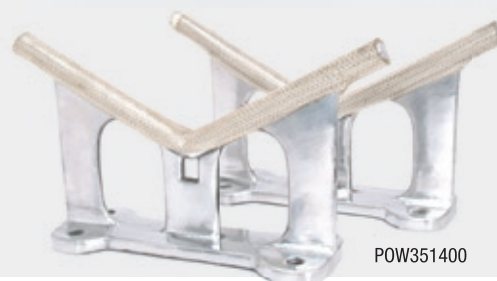
|           |                        |          |
|-----------|------------------------|----------|
| POW351590 | Stud Remover/Installer | Buy Now! |
|-----------|------------------------|----------|



## V-Style Aluminum Head Holders (Pair)

You'll need our V-Style Head Holders whenever you perform any type of cylinder head modifications or maintenance, like disassembly or porting work. Our cast aluminum version is lightweight and durable.

|           |   |          |
|-----------|---|----------|
| POW351400 | V-Style Head Holders - Cast Aluminum (Pair) | Buy Now! |
|-----------|---|----------|



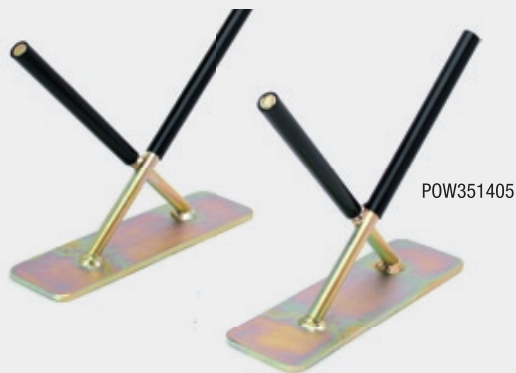


# Cylinder Head Tools

## V-Style Steel Head Holders (Pair)

The best thing about our head stands is the ability to put the head in any position and rotate as necessary. Our welded steel construction head holder is ultra sturdy. Our V-Style supports also come in handy for holding camshafts and crankshafts.

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351405</b> | V-Style Head Holders - Welded Steel (Pair) | <b>Buy Now!</b> |
|------------------|--|-----------------|

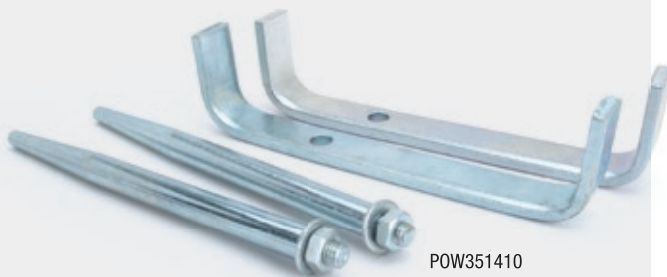


POW351405

## Peg Style Head Holders (Pair)

Our Peg-Style Head Holders are a great, low-cost way to suspend your cylinder heads above your workbench when performing port and polish work. The tapered pins slide into the cylinder head bolt holes so you can hold the head right-side up or upside down.

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW351410</b> | Peg Style Head Holders (Pair) | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|



POW351410

## Block and Head Handles

- Makes easy work, of moving blocks, heads, even complete engines around the shop, reduces risk of heavy parts slipping from your grip
- Constructed of 7075-T6 anodized aluminum
- Utilizes heat-treated, grade 8 inserts for durability and strength
- Handles will screw into any 3/8" coarse thread hole found in most engine blocks & cylinder heads

|                  |                                      |                 |
|------------------|--------------------------------------|-----------------|
| <b>POW351520</b> | Block and Head Handles (Set of four) | <b>Buy Now!</b> |
|------------------|--------------------------------------|-----------------|



POW351520

## Valve Train Organizer Trays

Our Valve Train Organizer Trays are perfect for novice or pro engine builders alike. Durable polymer trays neatly store your engine's components while assembling or rebuilding your engine.

- One tray stores valves, springs & retainers
- The other stores rockers, lifters & pushrods
- Labeled front & rear to help keep track of your part location for assembly
- Each tray has convenient, built-in transporting handles to make easy work of moving parts around your shop or garage

*\*Engine components pictured are not included.*

|                  |                   |                 |
|------------------|-------------------|-----------------|
| <b>POW735001</b> | Valve Spring Tray | <b>Buy Now!</b> |
| <b>POW735002</b> | Rocker Arm Tray   | <b>Buy Now!</b> |



POW735001

POW735002

## Electronic Digital Scales

Our precision Electronic Digital Scales make it easy to do your own component balancing and match weighing. These compact scales are perfect for weighing or balancing pistons, rods, clutch weights, etc.

- Scales will automatically round up or down for easy computation
- Scale will zero on any item to give you a difference (+ /-) when additional item is placed on the scale's weighing surface
- 5000g model weighs in one gram increments & also features an ounce mode with a 175 oz capacity
- 2000g scale weighs in 1/10 gram increments for added precision

*\*Note: Both scales run on a 9 volt battery or optional A/C adapter.*

|                      |                                      |                 |
|----------------------|--------------------------------------|-----------------|
| <b>POW351200</b>     | 5000g x 1g Electronic Digital Scale  | <b>Buy Now!</b> |
| <b>POW351210</b>     | 2000g x .1g Electronic Digital Scale | <b>Buy Now!</b> |
| <b>Optional Part</b> |                                      |                 |
| <b>POW351220</b>     | 9 Volt A/C Adapter                   | <b>Buy Now!</b> |



## Foam Padded Carry Cases for Digital Scales

- Fitted Foam Padded Carry Case protects your Powerhouse® digital scale
- Constructed of durable molded plastic, carry case is densely padded in snug-fitting cushioning foam
- Digital scale can be operated from inside foam case
- Available for both 5000g & 2000g scales

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW351216</b> | Foam Padded Carry Case for 5000g scales | <b>Buy Now!</b> |
| <b>POW351215</b> | Foam Padded Carry Case for 2000g scales | <b>Buy Now!</b> |

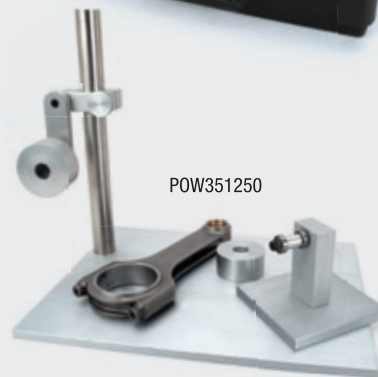


## Connecting Rod Balancing Fixture

This handy Connecting Rod Balancing Fixture is designed to hold each end of the rod on the scale separately. This allows you to measure both the large and small end weight for added accuracy. This balancing fixture utilizes CNC-billet aluminum construction, two roller bearings per shaft and two big end mandrels.

*\*Connecting rod pictured is not included.*

|                  |                                  |                 |
|------------------|----------------------------------|-----------------|
| <b>POW351250</b> | Connecting Rod Balancing Fixture | <b>Buy Now!</b> |
|------------------|----------------------------------|-----------------|



## Balance Shop Kits

Our Balance Shop Kits combine our precision digital scale, fitted carry case, A/C adapter and connecting rod weighing fixture-everything you need to properly balance your engine components in one convenient kit. Kit price includes big savings!

|                  |                              |                 |
|------------------|------------------------------|-----------------|
| <b>POW351190</b> | 5000g x .1g Balance Shop Kit | <b>Buy Now!</b> |
| <b>POW351195</b> | 2000g x .1g Balance Shop Kit | <b>Buy Now!</b> |



# Measuring Tools

## Triple Beam Scale

- Perfect for weighing pistons, rods, clutch weights, etc.
- Capacity is 2610g & accuracy is .1g
- Features a large stainless steel platform.
- Good low cost/high accuracy alternative to digital scales
- Weights are included

*\*Piston shown is not included.*

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW351240</b> | 2610g x .1g Triple Beam Scale | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|



POW351240

## Deluxe Air Pressure Gauges

These Deluxe Air Pressure Gauges incorporate a patented internal mechanism that provides greater resilience to extreme punishment. While other gauges have 14 or more moving parts, Powerhouse® deluxe air gauges have only four! Fewer moving parts means greater reliability.

- Gauges glow-in-the-dark making this the optimum pressure gauge for both day and night conditions
- Every unit includes a high-quality thumb operated bleeder and swivel nozzle on a 17" hose
- High visibility with major & minor graduation marks

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW301392</b> | 2.5" Air Pressure Gauge, 0-15 x 1/2 I psi | <b>Buy Now!</b> |
| <b>POW301393</b> | 2.5" Air Pressure Gauge, 0-30 x 1 psi     | <b>Buy Now!</b> |
| <b>POW301394</b> | 4" Air Pressure Gauge, 0-15 x 1/2 psi     | <b>Buy Now!</b> |
| <b>POW301395</b> | 4" Air Pressure Gauge, 0-30 x 1 psi       | <b>Buy Now!</b> |



POW301395

POW301392

POW301394

POW301393

## Brass Shaft Flex Lights

Our line of bendable Brass Shaft Flex Lights provide a convenient way to inspect nooks, crannies & holes in even the smallest component.

- Tiny 3/16" high intensity bulb goes where ordinary lights won't fit
- The best feature of these versatile inspection tools is their bendable shafts, with the co-ax model providing complete flexibility
- All lights are AA battery powered & include a protective plastic tube cover

|                  |                            |                 |
|------------------|----------------------------|-----------------|
| <b>POW126005</b> | 10" Brass Shaft Flex Light | <b>Buy Now!</b> |
| <b>POW126010</b> | 15" Brass Shaft Flex Light | <b>Buy Now!</b> |

### Replacement Parts

|                  |                                     |                 |
|------------------|-------------------------------------|-----------------|
| <b>POW126006</b> | Replacement Bulb for 10" Flex Light | <b>Buy Now!</b> |
| <b>POW126011</b> | Replacement Bulb for 15" Flex Light | <b>Buy Now!</b> |



POW126005

# Measuring Tools

## Pro Magnetic Angle Finder

- Perfect for setting up machinery & suspensions, checking pinion, etc.
- Convenient run, rise & pitch tables on back of tool
- Features an easy-to-read large diameter face & a magnetic base
- Pro model is accurate to 1/2°

|           |                           |          |
|-----------|---------------------------|----------|
| POW301375 | Pro Magnetic Angle Finder | Buy Now! |
|-----------|---------------------------|----------|



POW301375

## Block Square & Deck Height Gauge

Our Block Square and Deck Height Gauge allows you to precisely measure the deck height of any block. This unique tool measures from the main bearing bore to the deck surface of the block and can be used to check block squareness from end to end or bank to bank. Now you can determine if a block has been decked, and if so, by how much. Three micrometer standards, 8", 9" and 10" are included to set up and zero a dial indicator (not included).

|           |                                  |          |
|-----------|----------------------------------|----------|
| POW351088 | Block Square & Deck Height Gauge | Buy Now! |
|-----------|----------------------------------|----------|

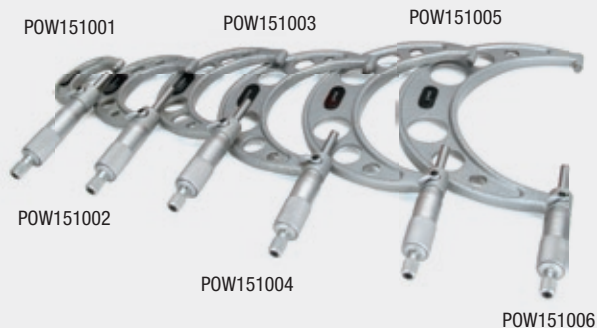


POW351088

## Outside Micrometers

These high precision Outside Micrometers include all the best features: ratchet stop thimbles, carbide measuring tips, locking levers, calibration standards, adjuster wrenches. Definitely a great value because of their high quality and low price.

|           |                             |          |
|-----------|-----------------------------|----------|
| POW151001 | 0 to 1" Outside Micrometer  | Buy Now! |
| POW151002 | 1" to 2" Outside Micrometer | Buy Now! |
| POW151003 | 2" to 3" Outside Micrometer | Buy Now! |
| POW151004 | 3" to 4" Outside Micrometer | Buy Now! |
| POW151005 | 4" to 5" Outside Micrometer | Buy Now! |
| POW151006 | 5" to 6" Outside Micrometer | Buy Now! |



POW151001

POW151003

POW151005

POW151002

POW151004

POW151006

## Outside Micrometer Sets

We searched for value priced micrometers that would meet our exacting standards for both accuracy and repeatability. We are proud to put our name on these high-quality Outside Micrometer Sets that are priced well within the reach of even the beginning racer or engine builder.

- Sets come in fitted wooden cases
- Set prices include savings

|           |                                |          |
|-----------|--------------------------------|----------|
| POW152003 | 0 to 3" Outside Micrometer Set | Buy Now! |
| POW152004 | 0 to 4" Outside Micrometer Set | Buy Now! |
| POW152006 | 0 to 6" Outside Micrometer Set | Buy Now! |



POW152006



# Measuring Tools

## Inside Micrometer Set

- Handy for measuring rod, main, cam or cylinder bores to .001"
- Superior tube-style design offers extra strength, rigidity and accuracy when performing any inside measurement
- All sets come furnished in a fitted, wooden case that neatly organizes all of the extensions and handles

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW256220</b> | Inside Micrometer Set - Central 2" to 12" | <b>Buy Now!</b> |
|------------------|---|-----------------|



## Micrometer Standards

Use these Micrometer Standards to calibrate and zero micrometers and other types of precision measuring instruments.

- Our standards are hardened, then precision ground & micro-lapped
- Incorporates an innovative heat insulating cover that prevents your body heat from altering the Micrometer Standard's length

|                  |                         |                 |
|------------------|-------------------------|-----------------|
| <b>POW201031</b> | 1" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201032</b> | 2" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201033</b> | 3" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201034</b> | 4" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201035</b> | 5" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201036</b> | 6" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201037</b> | 7" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201038</b> | 8" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201039</b> | 9" Micrometer Standard  | <b>Buy Now!</b> |
| <b>POW201040</b> | 10" Micrometer Standard | <b>Buy Now!</b> |



## Micrometer Stands

The "third hand" that you always need but never seem to have. These stands are especially useful when using a micrometer to set up a dial bore gauge. This multi-position tool can also be used to hold small projects or other instruments.

|                  |                      |                 |
|------------------|----------------------|-----------------|
| <b>POW151020</b> | Micrometer Stand     | <b>Buy Now!</b> |
| <b>POW201020</b> | Pro Micrometer Stand | <b>Buy Now!</b> |



## Dial Indicators

- High-quality jeweled movement .001" Dial Indicators
- 0-1" travel, 0-100 dial face, revolution counter, .001" accuracy & 2 1/4" diameter face with a 3/8" shaft
- Compatible with all Powerhouse® products requiring a dial indicator
- A longer range 0-2" model is also available

|                  |                                |                 |
|------------------|--------------------------------|-----------------|
| <b>POW151100</b> | 0 to 1" Dial Indicator         | <b>Buy Now!</b> |
| <b>POW151102</b> | 0 to 2" Dial Indicator         | <b>Buy Now!</b> |
| <b>POW254345</b> | 0 to 1" Premium Dial Indicator | <b>Buy Now!</b> |

### Optional Parts

|                  |                              |                 |
|------------------|------------------------------|-----------------|
| <b>POW151101</b> | Flat Back for Dial Indicator | <b>Buy Now!</b> |
| <b>POW151103</b> | Lug Back for Dial Indicator  | <b>Buy Now!</b> |



## Dial Indicator Extensions

Our precision Dial Indicator Extensions allow you to extend the reach of most any dial indicator. Extensions feature standard 4-48 threads for added convenience.

- Black oxide coated for durability
- Utilizes a slightly rounded tip for easy positioning

|           |  |          |
|-----------|--|----------|
| POW151110 | 1/2" Dial Indicator Extension                          | Buy Now! |
| POW151111 | 1" Dial Indicator Extension                            | Buy Now! |
| POW151112 | 2" Dial Indicator Extension                            | Buy Now! |
| POW151113 | 3" Dial Indicator Extension                            | Buy Now! |
| POW151114 | 4" Dial Indicator Extension                            | Buy Now! |
| POW151115 | 5" Dial Indicator Extension                            | Buy Now! |
| POW151116 | 6" Dial Indicator Extension                            | Buy Now! |
| POW151120 | Dial Indicator Extension Kit- 1/2" through 5" (6 Pcs.) | Buy Now! |

POW151120



## 22 Piece Dial Indicator Point Set

Our new 22 piece Dial Indicator Point Set includes: points, extensions, wide tips, bent tips and more in a plastic storage case. We also have Flat Backs (Part# POW151101) and Lug Backs (Part# POW151103) to modify your dial indicator mounting method.

*\*See page 32 for Dial Indicator Back listings.*

|           |                                   |          |
|-----------|-----------------------------------|----------|
| POW151104 | 22 Piece Dial Indicator Point Set | Buy Now! |
|-----------|-----------------------------------|----------|

POW151104



## Dial Indicator Magnetic Bases

These bases will hold any lug back dial indicator in almost any position you need. Our bases also incorporate a fine adjustment used to gently move the indicator into place.

- High strength permanent magnet provides approx. 100 lbs of pull
- Set-up & use made easy with convenient on/off switch
- Heavy-duty model packs 175 lbs of pull & features a double bar design for increased flexibility and maneuverability
- Our Magnetic Flex-A-Base is the ultimate in ease & useability with sturdy magnet rated at 100 lbs of pull

|           |   |          |
|-----------|---|----------|
| POW151125 | Magnetic Base with Fine Adjustment          | Buy Now! |
| POW151140 | Heavy-Duty Magnetic Base w/ Fine Adjustment | Buy Now! |
| POW151145 | Magnetic Flex-A-Base                        | Buy Now! |

POW151125



POW151145



POW151140

# Measuring Tools

## Dial Indicator Magnetic Base

This base has several segments that allow it to conform and hold to any shape. This unique tool has a fine adjustment feature, making it especially useful on engine blocks where there may not be a flat surface when you need to mount a dial indicator.

|                  |                              |                 |
|------------------|------------------------------|-----------------|
| <b>POW151135</b> | Dial Indicator Magnetic Base | <b>Buy Now!</b> |
|------------------|------------------------------|-----------------|

POW151135



## Compact Dial Indicator with Magnetic Base

Considered our "Mighty Mag," it's the most compact magnetic base available but still provides 45 lbs of pull.

- Mount your dial indicator (not included) directly to the base or mount it to the extension rod for a longer reach
- Great for mounting a dial indicator where space is limited

*\*Dial Indicator pictured is not included.*

|                  |                                      |                 |
|------------------|--------------------------------------|-----------------|
| <b>POW151130</b> | Compact Magnetic Base w/ Attachments | <b>Buy Now!</b> |
|------------------|--------------------------------------|-----------------|

POW151130



## Electronic Digital Calipers

- Gives precise readings of any inside, outside and depth measurements
- 0-6" Range with a readout to .0005"
- Constructed of high-quality stainless steel with all measuring surfaces precision ground and lapped for durability
- LCD display can be switched over to metric and will read to .01mm
- Durable, fitted plastic case is included

|                  |                             |                 |
|------------------|-----------------------------|-----------------|
| <b>POW256425</b> | Electronic Digital Calipers | <b>Buy Now!</b> |
|------------------|-----------------------------|-----------------|

POW256425



## 6" Digital Calipers

With Powerhouse® Products 6" Digital Calipers you are assured to get the correct measurements the first time, so parts are properly machined to fit and deliver exacting performance.

- Capable of delivering both inside and outside measurements
- Features a high-contrast LCD display powered by an SR44 battery
- Built to withstand the rigors of repeated use and demanding environments for years of accurate measurements
- Includes a durable, molded storage case

|                  |                     |                 |
|------------------|---------------------|-----------------|
| <b>POW256400</b> | 6" Digital Calipers | <b>Buy Now!</b> |
|------------------|---------------------|-----------------|

POW256400



## Stainless Steel Dial Calipers

- Designed to let you measure just about any inside, outside or depth dimension to .001" for ultra precise readings
- Rigid stainless steel construction, screwed-on rack, smooth thumb rollers and 0-100 revolution dial make these calipers simple to use
- Fitted, durable protective case is included with all of our calipers

|                  |                                       |                 |
|------------------|---------------------------------------|-----------------|
| <b>POW151205</b> | 0 to 6" Stainless Steel Dial Calipers | <b>Buy Now!</b> |
|------------------|---------------------------------------|-----------------|



POW151205

## Dial Bore Gauges

A dial bore gauge, once set with a micrometer, is used to determine size, straightness or taper on main, rod or cylinder bores. We offer two models to meet your needs. Our economically priced .0005" checks your machinist's work. The Central .0001" unit is designed with high precision and consistency in mind. Our Central Bore Gauge features a 2" to 8" range and an extended reach handle, which is perfect for reaching center main-bearing bores. Each kit is equipped with a fitted case that protects your gauge and keeps all your anvils and extensions organized.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW205025</b> | Powerhouse® 2" to 6" x .0005" Dial Bore Gauge | <b>Buy Now!</b> |
| <b>POW256467</b> | 2" to 8" x .0001" Dial Bore Gauge             | <b>Buy Now!</b> |



POW205025

## Telescoping Gauge Set

These gauges are used to measure slots, grooves, recesses, cylinders, etc., especially useful for doing size comparisons. To use, simply insert the appropriate gauge into the work-piece and turn the knob at the end of the handle. Spring-loaded ends "snap" open to the maximum size allowed. Then, tighten the knob, remove the gauge and measure across the tips to find your inside measurement.

- Each set contains six gauges
- Total range of 5/16" to 6"
- Comes with a handy storage pouch

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW151275</b> | Telescoping Gauge Set - 5/16" through 6" | <b>Buy Now!</b> |
|------------------|--|-----------------|



POW151275

## Pro Pushrod Length Checkers

Designed like a micrometer, you insert the Pro Pushrod Length Checker in place of a pushrod and unscrew it until the correct length and geometry are achieved. Read the height from the etched markings, with each revolution equal to .05". Let this tool make simple and inexpensive work of this critical calculation.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101210</b> | 5.800" to 6.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101215</b> | 6.800" to 7.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101220</b> | 7.800" to 8.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101225</b> | 8.800" to 9.800" Length Checker         | <b>Buy Now!</b> |
| <b>POW101226</b> | 9.800" to 10.800" Length Checker        | <b>Buy Now!</b> |
| <b>POW101230</b> | 9.800" to 10.800" Cup End Checker       | <b>Buy Now!</b> |
| <b>POW101235</b> | 10.800" to 11.800" Cup End Checker      | <b>Buy Now!</b> |
| <b>POW101240</b> | 4 Piece Kit 5.800" through 9.800" Range | <b>Buy Now!</b> |



POW101230



POW101215



# Measuring Tools

## Stand and Clamp Kit

These Stand and Clamp Kits intended for use with our Pro Head CC Kits. It is necessary for a steady and stable base when measuring combustion chamber volumes.

*\*See Pro Head CC Kit listing on Page 26.*

|                  |                     |                 |
|------------------|---------------------|-----------------|
| <b>POW351110</b> | Stand and Clamp Kit | <b>Buy Now!</b> |
|------------------|---------------------|-----------------|



POW351110

## Granite Comparator Stand

This is a great tool for checking flatness or run-out of parts. It can also be used as a height comparator. The two-inch thick 6"x 6" solid granite base is guaranteed flat to .00005" and provides the ultimate hard, flat surface. Use the fine adjustment knob for the dial indicator (not included) to precisely perform a variety of measuring tasks.

*\*Dial Indicator pictured is not included.*

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW151150</b> | Granite Comparator Stand | <b>Buy Now!</b> |
|------------------|--------------------------|-----------------|

### Optional Part

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW151100</b> | 0 to 1" Travel Dial Indicator | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|



POW151150

POW151100

## Indicator Bracket for Spring Tester

When using a spring tester, this indicator bracket mounts to the spring tester shaft and allows you to install a dial indicator (not included) to measure spring height to .001". This is much easier than trying to read the steel rule scale that comes mounted to the spring tester from the factory. Our kit also includes a 1 1/2" standard and a 2" dial indicator extension tip.

*\*See spring tester listings on page 9 & 11.*

|                  |                                     |                 |
|------------------|-------------------------------------|-----------------|
| <b>POW351530</b> | Indicator Bracket for Spring Tester | <b>Buy Now!</b> |
|------------------|-------------------------------------|-----------------|



POW351530

## Laser Sighted Infrared Temperature Gun

Simply point our Laser Infrared Temperature Gun at anything (tires, track surface, radiator, cylinder heads, etc.) and it will tell you its surface temperature. Our temperature gun runs on a 9 volt battery and has a range of 0 to 750°F (-18 to 400°C). This easy-to-read LCD display even has a back-light feature, so it works equally well in darkness or bright sunlight. Just point and pull the trigger, no need to focus or calibrate. Includes plastic storage case.

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW301300</b> | Laser Sighted Infrared Temperature Gun | <b>Buy Now!</b> |
|------------------|--|-----------------|



POW301300

# Rotating Assembly Tools

## Universal Rod Guide Tool

Most rod bolt covers just help prevent nicked crankshafts when installing rods on the crank, but our guide tool can also be used during disassembly. Remove the rod cap and install our Universal Rod Guide Tool over the bolts. Then, use the palm of your hand to drive out the piston and rod assembly. Our tool works with any size rod bolts, or you can use the included adapters for rods with cap screws.

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW101295</b> | Universal Rod Guide Tool | <b>Buy Now!</b> |
|------------------|--------------------------|-----------------|

### Optional Part

|                  |                                    |                 |
|------------------|------------------------------------|-----------------|
| <b>POW101296</b> | Rod Guide Extension for Big Blocks | <b>Buy Now!</b> |
|------------------|------------------------------------|-----------------|



POW101295

## Rod Bolt Stretch Gauge

The Powerhouse® Rod Bolt Stretch Gauge features a dial indicator marked in 0.001" increments. This low cost, one piece gauge is easy-to-use and works for bolts up to 2.75". Our stretch gauge can be used before engine assembly to check rod bolt condition or in the engine during assembly. This stretch gauge features an innovative, high-tension spring allowing you to read bolt stretch as it happens.

|                  |                        |                 |
|------------------|------------------------|-----------------|
| <b>POW101301</b> | Rod Bolt Stretch Gauge | <b>Buy Now!</b> |
|------------------|------------------------|-----------------|



POW101301

## Lightweight Rod Bolt Stretch Gauge

Rod bolt stretch is the most accurate way to measure fastener pre-load. Our anodized aluminum Rod Bolt Stretch Gauge is designed to actually hold itself onto the rod bolt while being tightened.

- Comes with a .001" mini dial indicator that has been modified with a super high tension spring for superior holding power and precision
- Adjustable anvil accommodates rod bolts up to 2.75" in length

|                  |                                    |                 |
|------------------|------------------------------------|-----------------|
| <b>POW101300</b> | Lightweight Rod Bolt Stretch Gauge | <b>Buy Now!</b> |
|------------------|------------------------------------|-----------------|



POW101300

## Connecting Rod Visers

Designed to hold two aluminum or steel rods at once, this fixture utilizes centering guide pins for mounting in a vise as well as bolt holes for permanent bench mounting.

- Anodized aluminum construction will not harm aluminum rods
- Unique adjustable quick-release latch makes this the quickest and most efficient rod vise available on the market

|                  |                         |                 |
|------------------|-------------------------|-----------------|
| <b>POW351180</b> | Pro Connecting Rod Vise | <b>Buy Now!</b> |
|------------------|-------------------------|-----------------|

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>POW351185</b> | Sportsman Connecting Rod Vise | <b>Buy Now!</b> |
|------------------|-------------------------------|-----------------|



POW351180

## Sportsman Connecting Rod Balancer

Designed to match-weigh any set of Small Block Chevy large journal connecting rods, our Connecting Rod Balancer actually compares two rods at a time to show which is heavier. You then remove material from all rods except the lightest, until all rods are of equal weight. Our rod balancer is designed to hold rods from either the big or small end, allowing you to balance both rotating and reciprocating weights.

*\*Connecting rods pictured are not included.*

|                  |                                   |                 |
|------------------|-----------------------------------|-----------------|
| <b>POW351245</b> | Sportsman Connecting Rod Balancer | <b>Buy Now!</b> |
|------------------|-----------------------------------|-----------------|



POW351245

# Rotating Assembly Tools

## Connecting Rod Balancing Fixture

Our balancing fixture is designed to hold each end of the connecting rod on the scale separately in order to measure both your big and small end weights.

- Fixture has two roller bearings per shaft and two big-end mandrels
- CNC-billet aluminum construction

*\*Connecting rod pictured is not included.*

|                  |                                  |                 |
|------------------|----------------------------------|-----------------|
| <b>POW351250</b> | Connecting Rod Balancing Fixture | <b>Buy Now!</b> |
|------------------|----------------------------------|-----------------|



POW351250

## Crankshaft Turning Nuts

Designed to slip onto the crank snout, giving you a convenient way to rotate the crank during engine assembly. When degreasing a cam, you can install one of these Crankshaft Turning Nuts behind the degree wheel. Precision machined from high strength steel with a gold iridite finish.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101050</b> | Crank Nut – Small Block & V6 Chevy, GM 4 Cylinder | <b>Buy Now!</b> |
| <b>POW101055</b> | Crank Nut – Big Block Chevy                       | <b>Buy Now!</b> |
| <b>POW101070</b> | Crank Nut – Chrysler V8                           | <b>Buy Now!</b> |



POW101050

POW101055

POW101070

## Universal Harmonic Balancer Installer Kit

We always knew we had the best Harmonic Balancer Installer kit available, but we found a way to make it even better. We eliminated the through bolt and the subsequent hole in the back of each adapter, thus adding even more strength and reliability. With eight interchangeable adapters, our universal kit fits virtually any engine. It uses a thrust bearing to gently “squeeze” the harmonic balancer onto the crank snout on even the tightest of press fit applications. Best of all, even if you do manage to break one of the included adapters, replacement parts are readily available.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101100</b> | Universal Harmonic Balancer Installer Kit | <b>Buy Now!</b> |
|------------------|---|-----------------|

### Replacement Parts

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW111101</b> | Adapter 7/16-20"         | <b>Buy Now!</b> |
| <b>POW111102</b> | Adapter 1/2-20"          | <b>Buy Now!</b> |
| <b>POW111103</b> | Adapter 9/16-18"         | <b>Buy Now!</b> |
| <b>POW111104</b> | Adapter 5/8-18"          | <b>Buy Now!</b> |
| <b>POW111105</b> | Adapter 3/4-16"          | <b>Buy Now!</b> |
| <b>POW111106</b> | Adapter 12mm-1.5"        | <b>Buy Now!</b> |
| <b>POW111107</b> | Adapter 14mm-1.5"        | <b>Buy Now!</b> |
| <b>POW111108</b> | Adapter 16mm-2.0"        | <b>Buy Now!</b> |
| <b>POW111115</b> | Adapter 12mm-1.75"       | <b>Buy Now!</b> |
| <b>POW111116</b> | Adapter 10mm-1.5"        | <b>Buy Now!</b> |
| <b>POW111117</b> | Adapter 14mm-2.0"        | <b>Buy Now!</b> |
| <b>POW111118</b> | Adapter 16mm-1.5"        | <b>Buy Now!</b> |
| <b>POW101110</b> | Thrust Bearing           | <b>Buy Now!</b> |
| <b>POW101111</b> | Drive Nut                | <b>Buy Now!</b> |
| <b>POW111112</b> | Body/Shaft               | <b>Buy Now!</b> |
| <b>POW111113</b> | Knurled Ring for Adapter | <b>Buy Now!</b> |



POW101100

# Rotating Assembly Tools

## Pro Harmonic Balancer Puller/Installer

Our Pro Harmonic Balancer features a hardened, threaded shaft and alloy nut, combined with a roller thrust bearing puller plate.

- Kit fits GM, Ford and Chrysler and includes various size puller bolts
- A plastic storage box is included

|           |  |          |
|-----------|--|----------|
| POW300000 | Pro Harmonic Balancer Puller/Installer | Buy Now! |
|-----------|--|----------|

POW300000



## Pro Crank Nuts

Provides a secure method of attaching your harmonic balancer. With this two piece assembly in place, it allows you to rotate the engine in either direction using a large diameter socket.

|           |                                   |          |
|-----------|-----------------------------------|----------|
| POW320000 | Pro Crank Nut – Small Block Chevy | Buy Now! |
| POW322000 | Pro Crank Nut – Big Block Chevy   | Buy Now! |
| POW324000 | Pro Crank Nut – All Ford          | Buy Now! |

POW320000

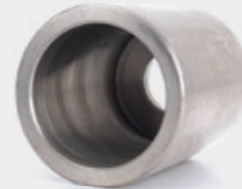


## Crank Gear Installation Tool

Our Crank Gear Installation Tool provides an equal distribution of force to install the lower timing gear onto the crank with precision. This tool is designed to be used in conjunction with our Universal Harmonic Balancer Installer (Part # POW101100).

|           |                      |          |
|-----------|----------------------|----------|
| POW101525 | Crank Gear Installer | Buy Now! |
|-----------|----------------------|----------|

POW101525



## Sportsman Crank Socket

- For Chevrolet V6, Small Block V8 and 4 cylinder engines
- Hard-anodized aluminum construction promotes long life and low cost
- Socket slips onto the end of the crankshaft to allow a 1/2" drive ratchet or breaker bar to rotate the engine assembly

|           |                        |          |
|-----------|------------------------|----------|
| POW102050 | Sportsman Crank Socket | Buy Now! |
|-----------|------------------------|----------|

POW102050



## Pro Crankshaft Sockets

When slipped on the end of a crankshaft, these specially designed sockets let you use a 1/2" drive ratchet or breaker bar to rotate the engine assembly. These sockets give you the ability to hold your degree wheels with a 1" or larger center hole in place. This allows you to turn the degree wheel independent of the engine, which is quite handy when finding TDC.

|           |   |          |
|-----------|---|----------|
| POW103050 | Pro Crankshaft Socket – Small Block Chevy | Buy Now! |
| POW103075 | Pro Crankshaft Socket – LS1/LS6 "Gen III" | Buy Now! |
| POW103055 | Pro Crankshaft Socket – Big Block Chevy   | Buy Now! |
| POW103060 | Pro Crankshaft Socket – All Ford          | Buy Now! |
| POW103070 | Pro Crankshaft Socket – All Chrysler      | Buy Now! |

POW103050

POW103075





# Rotating Assembly Tools

## Sportsman Crankshaft Stroke Checker

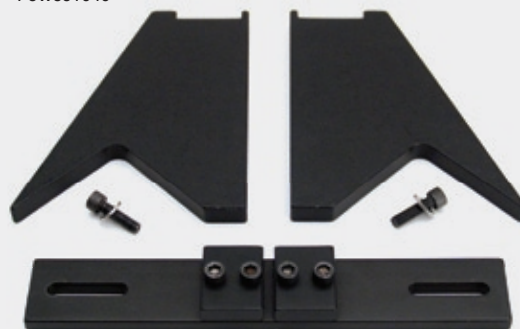
This unit does the same job as the more expensive stroke gauges, except that it uses a set of 0-6" dial calipers (not included) instead of a long range dial indicator. Just set it up on the crankshaft main journals, zero the calipers at the top of the rod journal, then rotate the crank to the bottom of the stroke and take your reading to .001". You can even use this tool on assembled short blocks by zeroing the calipers on the piston at TDC, then measuring down to BDC. Our Sportsman Crankshaft Stroke Checker is designed to work with any dial calipers.

|                  |                                     |                 |
|------------------|-------------------------------------|-----------------|
| <b>POW351040</b> | Sportsman Crankshaft Stroke Checker | <b>Buy Now!</b> |
|------------------|-------------------------------------|-----------------|

### Optional Parts

|                  |                              |                 |
|------------------|------------------------------|-----------------|
| <b>POW151205</b> | 0-6" .001" Dial Calipers     | <b>Buy Now!</b> |
| <b>POW256425</b> | 0-6" .0005" Digital Calipers | <b>Buy Now!</b> |

POW351040



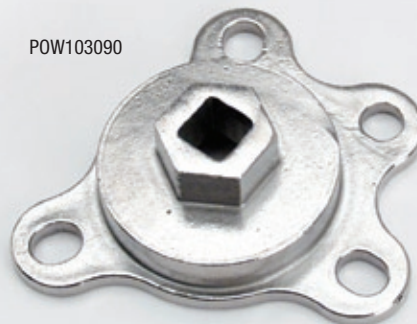
## Engine Rotating Tool

When assembling an engine, once the balancer is installed, there's no convenient way to turn the engine over. Our Engine Rotating Tool has provisions for a 1/2" drive ratchet or breaker bar and a 1" socket.

- Constructed of 17-4 stainless steel
- Designed to fit Chevy and Ford V8s
- This tool also comes in handy on the engine when degreasing your camshaft with the balancer installed

|                  |                      |                 |
|------------------|----------------------|-----------------|
| <b>POW103090</b> | Engine Rotating Tool | <b>Buy Now!</b> |
|------------------|----------------------|-----------------|

POW103090



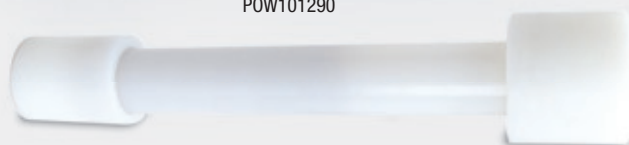
## Pro Piston Knocker

We designed our Pro Piston Knocker for serious real-world duty; heavy striking force without rebound!

- Constructed of a non-marring composite Delrin material
- Measures a full 13" in length with 2" and 2 1/2" diameter ends
- Two lb overall weight is achieved through the use of a chamber loaded with steel shot delivering a dead blow effect

|                  |                    |                 |
|------------------|--------------------|-----------------|
| <b>POW101290</b> | Pro Piston Knocker | <b>Buy Now!</b> |
|------------------|--------------------|-----------------|

POW101290



## Top Dead Center Stops

Necessary when degreasing-in any camshaft, TDC Stops are designed to positively stop the piston in order to find Top Dead Center. Stop bolt screws into the spark plug hole, while our universal plate bolts across any cylinder bore when the heads are off.

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW101330</b> | 14mm Bolt Style – Heads On (Most Engines) | <b>Buy Now!</b> |
| <b>POW101332</b> | 18mm Bolt Style – Heads On (BB Ford)      | <b>Buy Now!</b> |
| <b>POW101335</b> | Deck Plate Style – Heads Off (Universal)  | <b>Buy Now!</b> |

POW101335

POW101330

POW101332



# Rotating Assembly Tools

POW104830

POW103766



Rotating Assembly Tools

## Tapered Ring Compressors

The absolute best and simplest way to install pistons into the cylinder bore is with one of our Tapered Ring Compressors. These tools gently squeeze the rings and funnel the piston into the bore without ring damage or breakage.

- Extra tall aluminum ring compressors are hard anodized for long life
- Designed to work on blocks with studs, our ring compressors also feature a handy finger registration groove
- Available in all popular sizes

|                  |                                |                 |
|------------------|--------------------------------|-----------------|
| <b>POW103500</b> | 3.500" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW103701</b> | 3.700" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW103736</b> | 3.736" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW103766</b> | 3.766" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW103830</b> | 3.830" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW103875</b> | 3.875" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW103905</b> | 3.905" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW103935</b> | 3.935" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104000</b> | 4.000" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104005</b> | 4.005" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104020</b> | 4.020" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104030</b> | 4.030" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104040</b> | 4.040" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104060</b> | 4.060" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104070</b> | 4.070" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104080</b> | 4.080" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104125</b> | 4.125" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104130</b> | 4.130" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104135</b> | 4.135" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104140</b> | 4.140" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104145</b> | 4.145" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104150</b> | 4.150" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104155</b> | 4.155" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104160</b> | 4.160" Tapered Ring Compressor | <b>Buy Now!</b> |

|                  |                                |                 |
|------------------|--------------------------------|-----------------|
| <b>POW104165</b> | 4.165" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104170</b> | 4.170" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104175</b> | 4.175" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104180</b> | 4.180" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104185</b> | 4.185" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104280</b> | 4.280" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104310</b> | 4.310" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104350</b> | 4.350" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104360</b> | 4.360" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104375</b> | 4.375" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104380</b> | 4.380" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104390</b> | 4.390" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104400</b> | 4.400" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104470</b> | 4.470" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104500</b> | 4.500" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104530</b> | 4.530" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104560</b> | 4.560" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104600</b> | 4.600" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104625</b> | 4.625" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104670</b> | 4.670" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104810</b> | 4.810" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104820</b> | 4.820" Tapered Ring Compressor | <b>Buy Now!</b> |
| <b>POW104830</b> | 4.830" Tapered Ring Compressor | <b>Buy Now!</b> |

## Adjustable Tapered Ring Compressors

Our Adjustable Tapered Ring Compressors work just like our solid models, except that they incorporate a split down the side and a large hose clamp for adjustment. Perfect for those who work on a variety of bore sizes or for sizes not covered by our standard ring compressors. Each model has a range of about .090", so one of these can replace several of our regular style ring compressors. Hard anodized for wear and offered in a range of sizes for best fit.

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW106020</b> | Adj. Ring Compressor – 4.000"-4.090" Range | <b>Buy Now!</b> |
| <b>POW106025</b> | Adj. Ring Compressor – 4.125"-4.215" Range | <b>Buy Now!</b> |
| <b>POW106030</b> | Adj. Ring Compressor – 4.250"-4.350" Range | <b>Buy Now!</b> |

POW106020

POW106030



POW106025

# Rotating Assembly Tools

## Piston Ring Squaring Tool

Our Piston Ring Squaring Tools will add efficiency to any engine build-up. These hard anodized, aluminum tools push the ring a full .600" down the cylinder bore for accurate end gap measurement.

- Open-end design lets you reach through tool and pull up on the ring for added accuracy and ease of use
- Several sizes and ranges available
- Works on blocks with head studs installed

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW105001</b> | Piston Ring Square Tool – 3.810"-3.990" | <b>Buy Now!</b> |
| <b>POW105002</b> | Piston Ring Square Tool – 4.000"-4.230" | <b>Buy Now!</b> |
| <b>POW105003</b> | Piston Ring Square Tool – 4.240"-4.380" | <b>Buy Now!</b> |
| <b>POW105004</b> | Piston Ring Square Tool – 4.440"-4.640" | <b>Buy Now!</b> |



## Electric Ring Filer

- Saves you time when file fitting rings
- Has a rechargeable, Ni-cad battery that provides convenient, portable filing for up to 200 rings when fully charged
- Features a depth adjustment mic for .001" cutting increments
- Has auto on/off feature for safety
- Filer stores away neatly in padded plastic case
- Includes extra grinding wheels, A/C adapter, and necessary wrenches + padded carrying case

|                  |                     |                 |
|------------------|---------------------|-----------------|
| <b>POW105040</b> | Electric Ring Filer | <b>Buy Now!</b> |
|------------------|---------------------|-----------------|



## Piston Ring Filer with Carbide Wheel

This ring filer clamps or bolts to your workbench and has a hand crank to turn the carbide wheel. Simply hold the ring against the stops and crank away.

- Redesigned for greater economy and ease of use
- Super tough 150 grit carbide wheel makes quick work and clean cuts of even the hardest piston rings

|                         |                               |                 |
|-------------------------|-------------------------------|-----------------|
| <b>POW105050</b>        | Ring Filer with Carbide Wheel | <b>Buy Now!</b> |
| <b>Replacement Part</b> |                               |                 |
| <b>POW105055</b>        | Carbide Wheel                 | <b>Buy Now!</b> |



## Piston Ring Expander Pliers

This universal tool handles piston rings of all sizes, from lawn mowers to 5.00" bore mountain motors.

- Rings can be removed or installed without fear of breakage
- Heat-treated for long life and durability

|                  |                             |                 |
|------------------|-----------------------------|-----------------|
| <b>POW105060</b> | Piston Ring Expander Pliers | <b>Buy Now!</b> |
|------------------|-----------------------------|-----------------|



# Rotating Assembly Tools

## Heavy-Duty Piston Ring Groove Cleaner

- Removes carbon from ring grooves on pistons from 2" to 5" diameter
- Hardened cutter wheel includes ring sizes: 3/16", 5/32", 1/8", 3/32", 5/64", 1/16", 1/4", 4.5mm, 4.0mm, 3.0mm, 2.5mm and 2.0mm

|                  |                                       |          |
|------------------|---------------------------------------|----------|
| POW105065        | Heavy-Duty Piston Ring Groove Cleaner | Buy Now! |
| Replacement Part |                                       |          |
| POW105066        | Cutter Wheel                          | Buy Now! |



## Ringmaster Ring Filing Jig

Long time racer Dino Campolito always felt there should be a more precise way to file fit your piston rings, so he set about to invent a better system. The Ringmaster Ring Filing Jig allows you to remove an exact amount of material from the end of a piston ring. Once the zinc-plated steel jig is clamped in a vise or secured to a table, the desired shim(s) (.002"-.050") are secured in place under the ring stop. Then insert and secure the ring against the stop, move the stop plate out of the way and file ring until flush with ring jig. Kit includes jig, file and shims.

|           |                            |          |
|-----------|----------------------------|----------|
| POW105080 | Ringmaster Ring Filing Jig | Buy Now! |
|-----------|----------------------------|----------|

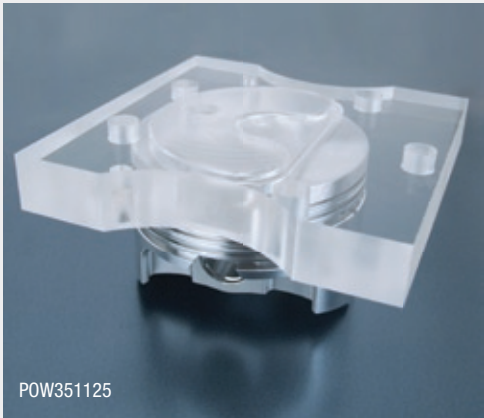


## Piston Dome CC Tool

To accurately calculate true compression ratio you must know your piston dome volume, gasket cc's and deck cc's. Our Piston Dome CC Tool, when used in conjunction with a buret, will give you all of these figures. The plate works by bolting onto the deck surface above any cylinder. Then, with the piston at TDC, fill the plate from the buret. Directions explain use, as well as all necessary formulas to precisely calculate compression ratio.

*\*Piston shown is not included.*

|           |                     |          |
|-----------|---------------------|----------|
| POW351125 | Piston Dome CC Tool | Buy Now! |
|-----------|---------------------|----------|



## Compound Angle Piston Vise

Our Compound Angle Piston Vise is by far the best buy on the market when you look at all of the features it offers. Our vise locates and holds the piston by two wrist pins. Once it's set up, the other pistons will simply drop in. It will even hold a piston upside down for balancing or lightening operations. The compound angle feature is what makes this vise truly unique. It not only rotates the piston from front to back, but also from side-to-side (necessary for Ford and BB Chevy pistons). This blue anodized beauty is rigid and repeatable.

*\*Piston shown is not included.*

|           |                            |          |
|-----------|----------------------------|----------|
| POW351090 | Compound Angle Piston Vise | Buy Now! |
|-----------|----------------------------|----------|





# Carburetor Tools

## Power Valve Tool

It can be very difficult to remove or install the power valve in a Holley carburetor without resting a tool on the metering block, causing scratches and burrs. Our Power Valve Tool is broached and clearanced to rest on the power valve, not on the metering block, eliminating the risk of marring. This CNC-machined aluminum tool will make it easy to install or remove power valves the correct way.

|                  |                  |                 |
|------------------|------------------|-----------------|
| <b>POW301240</b> | Power Valve Tool | <b>Buy Now!</b> |
|------------------|------------------|-----------------|

POW301240



## MaxJet and Float Bowl Tool

- For removing or installing MaxJet carburetor jets or float bowl screws
- Holley jet tool built into the end of the handle
- CNC-machined billet aluminum 5/16" driver tool

|                  |                            |                 |
|------------------|----------------------------|-----------------|
| <b>POW301250</b> | MaxJet and Float Bowl Tool | <b>Buy Now!</b> |
|------------------|----------------------------|-----------------|

POW301250



## MaxJet Fuel Jets

When it comes down to tuning at the track, carburetor jetting is one of the key essentials to a successful run. A mixture that's too rich will have a severe effect on performance, and a lean condition could severely affect the long-term reliability of pistons, valves and other internal engine components. The MaxJet precision fuel tuning system replaces Holley jets and provides the racer with a finite linear fuel curve that always makes a difference in performance.

### How to Convert Holley to MaxJet

Simply follow the Holley column until you find the jet size you're currently using and refer to the next column for the corresponding MaxJet.

MJ50-2



MJ116-2



| Fuel Jets for Holley Replacement (Pair) |        |        |         |
|---|--------|--------|---------|
| Buy Now!/Pair                           |        |        |         |
| Holley                                  | MaxJet | Holley | MaxJet  |
| 52                                      | MJ50-2 | 79     | MJ86-2  |
| 53                                      | MJ51-2 | 80     | MJ87-2  |
| 54                                      | MJ52-2 | 80.5   | MJ88-2  |
| 55                                      | MJ53-2 | 81     | MJ89-2  |
| 56                                      | MJ54-2 | 82     | MJ90-2  |
| 57                                      | MJ55-2 | 82.25  | MJ91-2  |
| 58                                      | MJ56-2 | 82.50  | MJ92-2  |
| 59                                      | MJ57-2 | 83     | MJ93-2  |
| 60                                      | MJ58-2 | 84     | MJ94-2  |
| 61                                      | MJ59-2 | 85     | MJ95-2  |
| 62                                      | MJ60-2 | 86     | MJ96-2  |
| 63                                      | MJ61-2 | 86.50  | MJ97-2  |
| 64                                      | MJ62-2 | 87     | MJ98-2  |
| 65                                      | MJ63-2 | 87.50  | MJ99-2  |
| 66                                      | MJ64-2 | 88     | MJ100-2 |
| 67                                      | MJ65-2 | 89     | MJ101-2 |
| 68                                      | MJ66-2 | 90     | MJ102-2 |
| 69                                      | MJ67-2 | 90.50  | MJ103-2 |

| Fuel Jets for Holley Replacement Cont. (Pair) |        |        |         |
|---|--------|--------|---------|
| Buy Now!/Pair                                 |        |        |         |
| Holley  | MaxJet | Holley | MaxJet  |
| 69.25   | MJ68-2 | 91     | MJ104-2 |
| 69.50   | MJ69-2 | 91.50  | MJ105-2 |
| 69.75   | MJ70-2 | 92     | MJ106-2 |
| 70  | MJ71-2 | 92.50  | MJ107-2 |
| 70.25   | MJ72-2 | 93     | MJ108-2 |
| 70.50   | MJ73-2 | 93.25  | MJ109-2 |
| 70.75   | MJ74-2 | 93.50  | MJ110-2 |
| 71  | MJ75-2 | 94     | MJ111-2 |
| 72  | MJ76-2 | 95     | MJ112-2 |
| 73  | MJ77-2 | 96     | MJ113-2 |
| 74  | MJ78-2 | 96.25  | MJ114-2 |
| 75  | MJ79-2 | 96.50  | MJ115-2 |
| 76  | MJ80-2 | 97     | MJ116-2 |
| 76.25   | MJ81-2 | 98     | MJ117-2 |
| 76.50   | MJ82-2 | 99     | MJ118-2 |
| 77  | MJ83-2 | 99.50  | MJ119-2 |
| 78  | MJ84-2 | 100    | MJ120-2 |
| 78.50   | MJ85-2 |        |         |

\* All MaxJet jets available in single units. Simply change -2 to -1.

## MaxJet Nut Driver

The MaxJet Nut Driver provides the racer with an inexpensive installation tool for the MaxJet gasoline jets, MaxJet jet extensions and fuel bowl screws.

|              |                   |                 |
|--------------|-------------------|-----------------|
| <b>MJ1-1</b> | MaxJet Nut Driver | <b>Buy Now!</b> |
|--------------|-------------------|-----------------|



## MaxJet Jet Kits

MaxJet Jet Kits are designed to provide the racer with an assortment of jets for their application. Each kit includes 22 jets (11 sizes, two each) packaged in a MaxJet Fuel and Methanol Resistant Jet Box (Part# MJ5-1). To order the proper kit, simply refer to the Holley crossover chart to find the jets currently being used. The jet box has the capacity to hold 18 different jet sizes. Need a jet organizer with a bigger capacity? Try our MaxJet Holder Plate, with 40 screw-in holding spots.

| Jet Kits        |                     |                 |
|-----------------|---------------------|-----------------|
| Buy Now!/Kit    |                     |                 |
| Part #          | Includes MaxJet #s  | Replaces Holley |
| <b>MJ5060</b>   | MJ50-2 to MJ160-2   | 52 to 58        |
| <b>MJ6171</b>   | MJ61-2 to MJ71-2    | 59 to 70        |
| <b>MJ7282</b>   | MJ72-2 to MJ82-2    | 71 to 76        |
| <b>MJ8393</b>   | MJ83-2 to MJ93-2    | 77 to 83        |
| <b>MJ94104</b>  | MJ94-2 to MJ104-2   | 84 to 91        |
| <b>MJ105115</b> | MJ105-2 to MJ115-2  | 92 to 96        |
| <b>MJ116126</b> | MJ116-2 to MJ126-2  | 97 to 100       |
| <b>MJ1-5</b>    | Large Storage Box   | <b>Buy Now!</b> |
| <b>MJ2-1</b>    | MaxJet Holder Plate | <b>Buy Now!</b> |



## 1/4-32 Alcohol Jets

MaxJet 1/4-32 Alcohol Jets offer precise fuel metering for racers using modified Holley carburetors with standard metering blocks. These sizes are over and above a Holley 100 fuel jet.

| Alcohol Jets (Pair) |              |                |              |
|---------------------|--------------|----------------|--------------|
| Buy Now! Pair       |              |                |              |
| Part #              | Orifice Size | Part #         | Orifice Size |
| <b>MJ121-2</b>      | 0.121"       | <b>MJ131-2</b> | 0.131"       |
| <b>MJ122-2</b>      | 0.122"       | <b>MJ132-2</b> | 0.132"       |
| <b>MJ123-2</b>      | 0.123"       | <b>MJ133-2</b> | 0.133"       |
| <b>MJ124-2</b>      | 0.124"       | <b>MJ134-2</b> | 0.134"       |
| <b>MJ125-2</b>      | 0.125"       | <b>MJ135-2</b> | 0.135"       |
| <b>MJ126-2</b>      | 0.126"       | <b>MJ136-2</b> | 0.136"       |
| <b>MJ127-2</b>      | 0.127"       | <b>MJ137-2</b> | 0.137"       |
| <b>MJ128-2</b>      | 0.128"       | <b>MJ138-2</b> | 0.138"       |
| <b>MJ129-2</b>      | 0.129"       | <b>MJ139-2</b> | 0.139"       |
| <b>MJ130-2</b>      | 0.130"       | <b>MJ140-2</b> | 0.140"       |

*\* All MaxJet jets available in single units. Simply change -2 to -1.*

MJ121-2



MJ140-2



## Brass Screw-In Jet Extensions

MaxJet Extensions are designed to work with both MaxJet and Holley jets. MaxJet extensions are longer than conventional screw-in jet extensions, hold more fuel and prevent cavitations during hard-launch conditions.

*\* Note: Screw-In Jet Extensions require a notched float for proper operation.*

|                |                                      |                 |
|----------------|--------------------------------------|-----------------|
| <b>MJEXT-2</b> | Brass Screw-In Jet Extensions (Pair) | <b>Buy Now!</b> |
|----------------|--------------------------------------|-----------------|

Product image coming soon

# Tuning & Evaluation Tools

## Advanced Inductive Timing Light

Our Inductive Pickup Timing Light features 0-60° advance control, a bright linear Xenon flash tube and a heavy-duty die cast chrome plated housing.

- Focused fresnel lens assures a brilliant flash at all speeds
- Strong 12 volt DC powered timing light is reverse polarity protected and carries accuracy to 8000 rpm

|                  |                                 |                 |
|------------------|---------------------------------|-----------------|
| <b>POW301500</b> | Advanced Inductive Timing Light | <b>Buy Now!</b> |
|------------------|---------------------------------|-----------------|



## Self-Powered Timing Lights

We now offer two different models of Self-Powered Timing Lights for 2 or 4 cycle applications. Standard model is usable to about 5,000 rpm, while our pro model can operate beyond the 10,000 rpm range. Heavy-duty pro model features a burn proof aluminum pick-up with a high temp fire sleeve over the lead cable.

- Both feature desirable one-wire inductive lead design
- Operates on two "D" cell batteries (not included), eliminating the need to connect them to the vehicle's battery
- Magneto compatible
- Incorporates a xenon flash tube for use in sunny daylight conditions

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW301510</b> | Self-Powered Timing Light – Standard Model | <b>Buy Now!</b> |
| <b>POW301515</b> | Self-Powered Timing Light – Pro Model      | <b>Buy Now!</b> |

### Replacement Parts

|                  |                                |                 |
|------------------|--------------------------------|-----------------|
| <b>POW301516</b> | Xenon Flash Tube               | <b>Buy Now!</b> |
| <b>POW301517</b> | Lead Cable w/ Aluminum Pick-Up | <b>Buy Now!</b> |

POW301510



POW301515



## Dual Gauge Leakdown Tester

Powerhouse® Dual Gauge Leakdown Tester's design is preferred by racers to check for problems with piston rings, valves, head gaskets, etc. The left- hand gauge shows incoming air pressure, while the right-hand gauge (once plugged into the cylinder being checked) shows how much air the cylinder is holding. The difference between the two gauges is your leakdown. Universal 14mm spark plug adaptor, rubber gauge protectors, high-quality regulator and complete instructions are all standard with our precision leakdown tester.

|                  |                            |                 |
|------------------|----------------------------|-----------------|
| <b>POW301018</b> | Dual Gauge Leakdown Tester | <b>Buy Now!</b> |
|------------------|----------------------------|-----------------|



## Cubic Inch Tester

Easy-to-use and comes in a wooden carry case complete with 14mm spark plug adapters, hose, thermometer, temperature correction factors and complete instructions on use.

- Cylinder capacity of 84 cubic inches in 1/2" increments
- Can pump a V8 as large as 670 total cubic inches

|                  |                        |                 |
|------------------|------------------------|-----------------|
| <b>POW301000</b> | 670" Cubic Inch Tester | <b>Buy Now!</b> |
|------------------|------------------------|-----------------|

### Replacement Parts

|                  |              |                 |
|------------------|--------------|-----------------|
| <b>POW301004</b> | Thermometer  | <b>Buy Now!</b> |
| <b>POW301006</b> | Adapter Plug | <b>Buy Now!</b> |
| <b>POW301008</b> | O-Ring       | <b>Buy Now!</b> |
| <b>POW301009</b> | Puck         | <b>Buy Now!</b> |

POW301000



# Tuning & Evaluation Tools

## Laser Sighted Infrared Temperature Gun

Our Infrared Temperature Gun runs on a 9 volt battery and has a range of 0 to 750° F. The easy-to-read LCD display even has a backlight feature so it works equally well in darkness or bright sunshine. Just point and pull the trigger, no need to focus or calibrate. Includes plastic case.

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW301300</b> | Laser Sighted Infrared Temperature Gun | <b>Buy Now!</b> |
|------------------|--|-----------------|



POW7301300

## FAST™ Wide-Band Digital Air/Fuel Meters

FAST™ has revolutionized the tuning industry with its wide-band air/fuel meter. With no laptop required, FAST™ has developed three simple, user-friendly air/fuel meters for gasoline, diesel and ethanol/methanol (E85) fuels. Available in single or dual sensor units, these meters give tuners the power to read two wide-band O<sub>2</sub> sensors individually or average them together for maximum accuracy.

- Built-in data logging capability plays back recorded information on a lighted, full graphical display screen
- Shows your current Air/Fuel ratio in real-time, eliminating the need to download to a separate laptop computer
- Features outputs for external data-loggers and digital gauges
- Narrow-band simulator function feeds your engine's computer a factory signal while using the wide-band sensor for air/fuel measurement

|                  |   |                 |
|------------------|---|-----------------|
| <b>POW102202</b> | Gas Air/Fuel Meter – Dual Sensor                | <b>Buy Now!</b> |
| <b>POW102201</b> | Gas Air/Fuel Meter – Single Sensor              | <b>Buy Now!</b> |
| <b>170702</b>    | Diesel Air/Fuel Meter – Dual Sensor             | <b>Buy Now!</b> |
| <b>170701</b>    | Diesel Air/Fuel Meter – Single Sensor           | <b>Buy Now!</b> |
| <b>170608</b>    | Ethanol/Methanol A/F Meter – Dual Sensor        | <b>Buy Now!</b> |
| <b>170590</b>    | Ethanol/Methanol Air/Fuel Meter – Single Sensor | <b>Buy Now!</b> |
| <b>170502</b>    | Motorcycle Air/Fuel Meter – Dual Sensor         | <b>Buy Now!</b> |
| <b>170501</b>    | Motorcycle Air/Fuel Meter – Single Sensor       | <b>Buy Now!</b> |
| <b>170602</b>    | Dyno Air/Fuel Meter – Dual Sensor               | <b>Buy Now!</b> |
| <b>170601</b>    | Dyno Air/Fuel Meter – Single Sensor             | <b>Buy Now!</b> |

### Replacement Accessories

|               |  |                 |
|---------------|--|-----------------|
| <b>30168</b>  | Threaded O <sub>2</sub> Sensor Bushing (Weld-In)   | <b>Buy Now!</b> |
| <b>170408</b> | Replacement Wide – Band O <sub>2</sub> Sensor      | <b>Buy Now!</b> |
| <b>170445</b> | Single to Dual O <sub>2</sub> Meter Conversion Kit | <b>Buy Now!</b> |
| <b>170462</b> | Replacement Cable (6 ft. w/ Power Lead)            | <b>Buy Now!</b> |
| <b>170463</b> | Replacement Cable (6 ft.)                          | <b>Buy Now!</b> |
| <b>170458</b> | Replacement Cable (12 ft. w/ Power Lead)           | <b>Buy Now!</b> |
| <b>170459</b> | Replacement Cable (12 ft.)                         | <b>Buy Now!</b> |
| <b>170460</b> | Replacement Cable (22 ft. w/ Power Lead)           | <b>Buy Now!</b> |
| <b>170461</b> | Replacement Cable (22 ft.)                         | <b>Buy Now!</b> |

## FAST™ Digital Air/Fuel Meter Interior Mount Kit

- Safely and conveniently read air/fuel data while driving with the FAST™ Digital Air/Fuel Meter Interior Mount Kit
- Allows you to attach your FAST™ digital air/fuel meter to the windshield with a removable suction cup system
- Suction cup mounts to the meter with adhesive tape; no drilling, gluing or alteration required on unit or vehicle

*\* Note: Can be used to affix FAST™ Dyno Air/Fuel Meter to plexiglass dyno cell during tuning.*

|               |  |                 |
|---------------|--|-----------------|
| <b>170493</b> | FAST™ Digital A/F Meter Interior Mount Kit | <b>Buy Now!</b> |
|---------------|--|-----------------|



POW102202



170702



170502



170602



170493



# Tuning & Evaluation Tools

## FAST™ Master Tuner Dual Sensor Air/Fuel Meter Kit

FAST™ has put together a Master Tuner Dual Sensor Air/Fuel Meter Kit that contains air/fuel meters to measure all popular fuel types, including: gasoline, methanol/ethanol blends, diesel and bio-diesel. This is the only kit on the market that comes with everything needed to test all fuel types without time consuming meter recalibrations. All meters feature easy-to-use, built-in data loggers that don't require you to download to a laptop, but simply display on meters' full graphical screens.

- Uses two O<sub>2</sub> sensors to check air/fuel ratio in two locations
- Includes module to display and record air/fuel ratios with engine rpm
- Includes built-in data logger, outputs for external data loggers and digital gauges for fast, efficient tuning

170614

FAST™ Master Tuner Dual Sensor Air/  
Fuel Meter Kit[Buy Now!](#)

## FAST™ Digital Air/Fuel Meter RPM Module

Compatible with all FAST™ Digital Air/Fuel Meters, the FAST™ Air/Fuel Meter RPM Module monitors and records engine rpm data that can be overlaid with air/fuel ratio readings. The FAST™ Air/Fuel Meter RPM Module comes with everything you need, including the installation CD, communications cable, USB cable adapter, power source, rpm module, clip-on inductive pick-up and full instructions to get you up and running in no time:

- Module plugs in-line with your existing O<sub>2</sub> sensor harness
- Can be calibrated with the touch of a button

170536

FAST™ Digital A/F Meter RPM Module

[Buy Now!](#)

## FAST™ Air/Fuel Ratio Module Kit for Superflow Dynos

FAST™ engineers have developed a kit that makes it easy for anyone to measure their engine's air/fuel ratio. This plug-and-play O<sub>2</sub> sensor processing kit allows your data acquisition system or dyno software to record and display air/fuel ratios.

- Features fully automatic sensor calibration for convenience and accuracy, no need for manual "free-air" calibration
- Each sensor kit is a standalone unit, making using multiple kits for measuring all your engine's cylinders easy
- Cables connect directly to Superflow Dynos without meter or laptop

170575

FAST™ Air/Fuel Ratio Module kits for  
Superflow Dynos  
(Lemo/Sensor Box Connector)[Buy Now!](#)

170636

FAST™ Air/Fuel Ratio Module kits for  
Superflow Dynos  
(4 Pin Amp Connector)[Buy Now!](#)

## FAST™ Air/Fuel Ratio Module Kit

- Plug-and-play universal O<sub>2</sub> sensor processing kit
- Completely automatic sensor calibration
- Standalone unit for universal applications

170579

FAST™ Air/Fuel Ratio Module Kit

[Buy Now!](#)

# Fastener & Clamping Products



**One Piece Gear Box**

**Stainless Steel Adjustment Screw**

**Stainless Steel Continuous Band**

**Embossed Asymmetrical Threads**



**Rolled Edges Prevent Cuts**

## Gator Brand High™ Performance Hose Clamps

Gator Brand Hose™ Clamps are produced from ANSI W3 430 grade stainless steel and feature a continuous band with embossed threads for reliable performance. The edges of the band are rolled to prevent any sharp edges from cutting the hose. This is especially important with silicon hoses that have a soft, susceptible cover. The asymmetrical gear box and embossed threads provide a firm and even clamping force without causing damage to the hose, unlike conventional hose clamps.

| Part #  | Size Range (inch)  | Size Range (mm) | SAE Comparable Size | Price    |
|---------|--|-----------------|---------------------|----------|
| G3758   | 5/16-1/2   | 8-12            | 2                   | Buy Now! |
| G398    | 5/16-5/8   | 8-16            | 3                   | Buy Now! |
| G3912   | 1/2-7/8  | 12-20           | 6                   | Buy Now! |
| G31216  | 5/8-1  | 16-27           | 8                   | Buy Now! |
| G31220  | 3/4-1 1/4  | 20-32           | 10-12               | Buy Now! |
| G31225  | 1-1 5/8  | 25-40           | 16                  | Buy Now! |
| G31230  | 1 3/16-1 3/4   | 30-45           | 20                  | Buy Now! |
| G31232  | 1 1/4-2  | 35-50           | 24                  | Buy Now! |
| G31240  | 1 5/8-2 3/8  | 40-60           | 28                  | Buy Now! |
| G31250  | 2-2 3/4  | 50-70           | 32-36               | Buy Now! |
| G31260  | 2 3/8-3 1/8  | 60-80           | 40                  | Buy Now! |
| G31280  | 3 1/8-4  | 80-100          | 52-56               | Buy Now! |
| G312100 | 4-4 3/4  | 100-120         | 64                  | Buy Now! |
| GFT-1   | Gator Brand Flex Tool w/ 6mm & 7mm Interchangeable Sockets |                 |                     | Buy Now! |



GFT-1

# Abrasive & Cutting Tools

## Cartridge Rolls

These are the resin bound, aluminum oxide Cartridge Rolls you need to finish sand any port and polish work. We offer almost every size, shape and grit you could possibly need. All rolls are designed to be used with 1/4" mandrels. Sold in packs of 50.



|            | Straight      | Straight      | Straight      | Full Taper    | Full Taper    |
|------------|---------------|---------------|---------------|---------------|---------------|
| Grit       | 1/4" x 1 1/2" | 3/8" x 1 1/2" | 1/2" x 1 1/2" | 3/8" x 1 1/2" | 1/2" x 1 1/2" |
| 40         | POW351720     | POW351476     | POW351750     | POW351780     | POW351810     |
| 60         | POW351725     | POW351480     | POW351755     | POW351785     | POW351815     |
| 80         | POW351730     | POW351485     | POW351760     | POW351790     | POW351820     |
| 100        | POW351735     | POW351490     | POW351765     | POW351795     | POW351825     |
| 120        | POW351740     | POW351495     | POW351770     | POW351800     | POW351830     |
| Pack of 50 | Buy Now!      | Buy Now!      | Buy Now!      | Buy Now!      | Buy Now!      |

## Cartridge Roll Assortment

This kit provides a large selection of straight cartridge rolls in various grits and sizes. The kit includes 90 rolls and 2 mandrels packed into a handy storage case.

|           |                           |          |
|-----------|---------------------------|----------|
| POW351705 | Cartridge Roll Assortment | Buy Now! |
|-----------|---------------------------|----------|



## Porting Mandrels

- Mandrels range from 1" to 8" long
- 1/4" diameter with a 1" long x 18" wide tip
- Works with all Powerhouse® (and most other) cartridge rolls

*\*Cartridge Roll pictured is not included.*

|           |                             |          |
|-----------|-----------------------------|----------|
| POW351501 | 1" Porting Mandrel          | Buy Now! |
| POW351504 | 4" Porting Mandrel          | Buy Now! |
| POW351506 | 6" Porting Mandrel          | Buy Now! |
| POW351508 | 8" Porting Mandrel          | Buy Now! |
| POW351510 | 3 Piece Kit – 1", 4" and 8" | Buy Now! |



## Cartridge Roll & Mandrel Assortment

- Our Cartridge Roll & Mandrel Assortment has been expanded to 49 pieces
- Includes 42 cartridge rolls in various shapes, sizes and grits; 3 rotary stones; 2 mandrels and 2 flap wheels
- Each item stores in its own compartment in the handy storage box

|           |                                     |          |
|-----------|-------------------------------------|----------|
| POW351475 | Cartridge Roll & Mandrel Assortment | Buy Now! |
|-----------|-------------------------------------|----------|





# Abrasive & Cutting Tools

## Cross Buffs

- Available in medium or very fine grade, they're perfect for finish polishing intake & exhaust ports, as well as carburetor venturis
- Can also be used to polish the inside of lifter bores, valve bodies, brake cylinders and numerous other applications
- We stock packs of 10 in 3/4" 2-ply, 1" 2-ply & 1 1/2" 3-ply configurations

|                  |  |                 |
|------------------|--|-----------------|
| <b>POW351902</b> | 3/4" Medium Cross Buffs – 10 Pack      | <b>Buy Now!</b> |
| <b>POW351903</b> | 3/4" Fine Cross Buffs – 10 Pack        | <b>Buy Now!</b> |
| <b>POW351900</b> | 1" Medium Cross Buffs – 10 Pack        | <b>Buy Now!</b> |
| <b>POW351905</b> | 1" Very Fine Cross Buffs – 10 Pack     | <b>Buy Now!</b> |
| <b>POW351910</b> | 1 1/2" Medium Cross Buffs – 10 Pack    | <b>Buy Now!</b> |
| <b>POW351915</b> | 1 1/2" Very Fine Cross Buffs – 10 Pack | <b>Buy Now!</b> |
| <b>POW351920</b> | Cross Buff Mandrel w/ 3 Inserts        | <b>Buy Now!</b> |



## Deluxe Head Porting Kit

Our Deluxe Head Porting Kit is a good general purpose porting kit for metal removal and finishing on cast iron cylinder heads.

- Kit contains an assortment of cartridge rolls, flap wheels, rotary stones, cross buffs and mandrels
- This kit will make it possible to smooth intake & exhaust runners, as well as gasket match your heads and intake

|                  |                         |                 |
|------------------|-------------------------|-----------------|
| <b>POW351700</b> | Deluxe Head Porting Kit | <b>Buy Now!</b> |
|------------------|-------------------------|-----------------|



## Electric Die Grinder

This professional Electric Die Grinder gives you great control of your work while porting, polishing or performing any grinding operation.

- 11" Length lets you support the tool with one hand while you guide the tip with the other – for clean and precise work
- Heavy-duty 2 amp grinder features 1/4" collet, ball bearing construction
- Performs to a top speed of 25,000 rpm
- This lightweight tool is the choice of many of the top cylinder head porters

|                  |                      |                 |
|------------------|----------------------|-----------------|
| <b>POW351550</b> | Electric Die Grinder | <b>Buy Now!</b> |
|------------------|----------------------|-----------------|





# Abrasive & Cutting Tools

## 6" Fine Convolute Wheel

This closed-weave nylon wheel is designed for light deburring work while providing a fine surface finish that gets you close to the polishing phase.

- We only stock medium density, silicon carbide, fine grade wheels
- Desired wheel for deburring pistons, bearings, valves and valve spring
- Wheel measures 6" x 1" x 1" and includes a universal adapter to allow work with any size bench grinder shaft

**POW351930** 6" Fine Convolute Wheel w/ Adapter Brush **Buy Now!**

Product image  
coming soon

POW351930

## Solid Carbide Burrs

Powerhouse® stocks a multitude of different Solid Carbide Burrs with varying sizes, shapes, cuts and lengths.

- Utilizes a precise, straight, 1/4" shank in either a 2" or 6" length
- Double cut burrs are general purpose and will make a small controllable cut that is suitable for cast iron or aluminum
- Aluminum cut burrs are for soft, non-ferrous metals or non-metals and are great for removing large amounts of material very quickly

*\*Tip: Use double cut burrs for all finish grinding; spray the tip with silicone spray lube to prevent build-up when working with aluminum.*



|                         | Double Cut |          | Double Cut |          | Aluminum Cut |          | Aluminum Cut |          |
|-------------------------|------------|----------|------------|----------|--------------|----------|--------------|----------|
| Head Diameter & Shape   | 2" Shank   | Price    | 6" Shank   | Price    | 2" Shank     | Price    | 6" Shank     | Price    |
| 1/2" Cylinder w/ Radius | POW355302  | Buy Now! | POW355306  | Buy Now! | POW355352    | Buy Now! | POW355356    | Buy Now! |
| 1/2" Round Tree         | POW355402  | Buy Now! | POW355406  | Buy Now! | POW355452    | Buy Now! | POW355456    | Buy Now! |
| 1/2" Oval               | POW355602  | Buy Now! | POW355606  | Buy Now! | POW355652    | Buy Now! | POW355656    | Buy Now! |
| 1/2" Flame              | POW355802  | Buy Now! | POW355806  | Buy Now! | POW355852    | Buy Now! | POW355856    | Buy Now! |
| 3/8" Pointed Tree       | POW353502  | Buy Now! | POW353506  | Buy Now! | POW353552    | Buy Now! | POW353556    | Buy Now! |
| 3/8" Oval               | POW353602  | Buy Now! | POW353606  | Buy Now! | POW353652    | Buy Now! | POW353656    | Buy Now! |
| 3/8" Ball               | POW353702  | Buy Now! | POW353706  | Buy Now! | POW353752    | Buy Now! | POW353756    | Buy Now! |

## "Power Porting" Video

Tools, equipment and safety are all covered in this 20 minute video. Cylinder head porting theory, as well as gasket matching, bowl blending and chamber polishing are also detailed. Many other porting tips and tricks are also explained.

**POW902016** "Power Porting" Video **Buy Now!**



POW902016

## Key To Symbols



### Dry Film Lubricants

These high pressure, molybdenum disulfide-based lubricants thermally bond to parts to help prevent scuffing and galling, and since they reduce friction, they free up more usable power. By just coating internal engine parts, dyno tests have shown gains of 10 to 40 horsepower. For years, “moly” has been the lubricant of choice for aerospace and the military. Now it’s available for your piston skirts, bearings, valve springs, camshafts, timing chain or any component that is subject to friction.

- Coating aids in the movement of heat – evenly distributing over a part and away from it to cool for optimum performance
- Especially beneficial on valve springs, extending the life beyond that achieved through polymer coatings
- 7 oz. bottle covers the major parts of one engine

*\*Note: Solvent based lubricants should not be cured in ovens used for food preparation.*

**PTL852107** 7 oz. DFL-1 Dry Film Lubricant (Water Base) **Buy Now!**



**PTL853032** 1 qt. TLML Dry Film Lubricant (Solvent Base) **Buy Now!**



PTL852107



PTL853032

### Thermal Metallic Barrier Coating

These are the Thermal Metallic Barrier Coatings that everyone uses on their piston tops and combustion chambers. The layer of thermal protection that these coatings provide actually “moves” heat and reduces detonation.

- Increases thermal efficiency and extends part life – all while producing more usable power
- Once the coating is polished, the highly reflective surface further enhances flame travel over and away
- Use on aluminum heads and pistons, stainless, inconel and titanium valves, and cast iron heads and stock valves
- Water-based and can be used on ferrous and non-ferrous metals
- One 3 oz. bottle should be enough to coat 3 sets of pistons

**PTL852213** 3 oz. Thermal Metallic Barrier Coating **Buy Now!**



PTL852213

# Machinist & Builder Fluids

## WSX Powder Lubricant

WSX Lubricant, a highly modified form of tungsten disulfide (WS<sub>2</sub>) powder which bonds through friction, simply buffs powder onto a clean, etched surface, which forms a high pressure film of lubricant 20 millionths of an inch thick.

- Reduces friction and improves ring seal in the cylinders
- Specifically designed to be used in areas where it is not practical to spray on liquid coatings; and only a thin application is required
- Perfect for cylinder walls, lifter bores, valve guides, roller bearings, etc.
- 1/2 oz. is enough for eight cylinder walls

|                  |                      |                 |
|------------------|----------------------|-----------------|
| <b>PTL853401</b> | WSX Powder Lubricant | <b>Buy Now!</b> |
|------------------|----------------------|-----------------|

## Black Satin Exhaust System Coating

A ceramic, reinforced formula designed to be an easy-to-apply thermal barrier that reduces radiated heat by 85 to 100%. Since heat is not held around the part, under-hood temperatures are lowered and component life is extended.

- Provide excellent corrosion and oxidation protection
- Simply spray on and let the exhaust cure the coating
- Tested at 2000° F without lifting, cracking or flaking
- Short & regular headers require six to eight ounces
- Long headers will use 10 to 12 ounces

|                  |                                   |                 |
|------------------|-----------------------------------|-----------------|
| <b>PTL851012</b> | 12 oz. Black Satin Header Coating | <b>Buy Now!</b> |
| <b>PTL851032</b> | 1 qt. Black Satin Header Coating  | <b>Buy Now!</b> |



## Engine Assembly Oil

- Specially formulated to provide instant protection of moving parts during engine break-in and surface mating
- Should be spread generously over the bearings, timing chain and distributor gear and all valve train components
- Should also be used when installing pistons into the block
- Supplied in plastic bottles with a snap-up, pour spout for easy application

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>103</b>       | Assembly Oil - 5/8 oz. Packet | <b>Buy Now!</b> |
| <b>POW801025</b> | Assembly Oil - 4 oz. Bottle   | <b>Buy Now!</b> |
| <b>POW801030</b> | Assembly Oil - 8 oz. Bottle   | <b>Buy Now!</b> |

## 6-Pack Pro Engine Assembly Oil

Initial start-up is the most critical time in the life of any camshaft. COMP Cams® has done rigorous research to develop the best protective break-in lubricant on the market. It must be spread generously on all lobes of the cam, on the bottoms of the lifters, and on the distributor gear when installing a cam. This is the instant protection you need to guard against any premature wear.

6-Pack (Contains 6 of Part# POW801025), 4 ounce bottles

|            |                        |                 |
|------------|------------------------|-----------------|
| <b>198</b> | 6-Pack of Assembly Oil | <b>Buy Now!</b> |
|------------|------------------------|-----------------|



PTL853401



PTL851032



103



POW801030

Product image  
coming soon

# Machinist & Builder Fluids

## Ultra Gel Assembly Lube

This is the same lube used by Top Fuel racers to provide maximum anti-scuff and anti-wear protection during an engine's critical break-in period. An extreme load lubricant normally applied to rod, main and cam bearings, as well as pistons, valve train components, transmission gears, ring and pinion gears and anywhere high loads are experienced.

- Superior "clinging" formula keeps parts protected longer because it does not run or wipe off easily from applied surface
- Gel formula will not clog oil filters or passages

|                  |                               |                 |
|------------------|-------------------------------|-----------------|
| <b>PTL851010</b> | 3 oz. Ultra Gel Assembly Lube | <b>Buy Now!</b> |
| <b>PTL851011</b> | 8 oz. Ultra Gel Assembly Lube | <b>Buy Now!</b> |



## Engine Assembly Lube

This is the white, high pressure grease that you hear about being used by professional engine builders. Since it has a thick paste type consistency, it stays where you put it. This stuff is not only ideal for upper valve train components like rocker arms, it is also great for cams, lifters and distributor gears. You may also want to consider using this high pressure lube if you build an engine that will not be fired shortly after it's completed.

|                  |                                    |                 |
|------------------|------------------------------------|-----------------|
| <b>POW801005</b> | Engine Assembly Lube - 4 oz. Jar   | <b>Buy Now!</b> |
| <b>POW801010</b> | Engine Assembly Lube - 8 oz. Jar   | <b>Buy Now!</b> |
| <b>POW801015</b> | Engine Assembly Lube - 14 oz. Tube | <b>Buy Now!</b> |



## COMP® Engine Break-In Lubricants

Engineers at COMP Cams® and Endure Performance Lubricants™ have been working hand-in-hand to develop a full line of automotive break-in lubricants that provide additives missing from many of today's oils.

- Improve surface mating of rotating assembly, rod journals, piston rings, valve guides, cam and lifters, etc.
- Protect all internal engine components, including flat tappet & roller valve trains
- Proprietary additive package includes optimum amounts of ZDDP (Zinc & Phosphorous), Molybdenum and detergents
- Require no additives or supplements for maximum protection
- Fully compatible with gasoline, methanol and high octane race fuel

| Part #             | Description                       | Size                | Price           |
|--------------------|-----------------------------------|---------------------|-----------------|
| <b>1590</b>        | 10W30 Engine Break-In Oil         | 1 Qt.               | <b>Buy Now!</b> |
| <b>1590-12</b>     | 10W30 Engine Break-In Oil         | (12) 1 Qt. Bottles  | <b>Buy Now!</b> |
| <b>1590-Pallet</b> | 10W30 Engine Break-In Oil         | (84 Case) Pallet    | <b>Buy Now!</b> |
| <b>1591</b>        | 15W50 Engine Break-In Oil         | 1 Qt.               | <b>Buy Now!</b> |
| <b>1591-12</b>     | 15W50 Engine Break-In Oil         | (12) 1 Qt. Bottles  | <b>Buy Now!</b> |
| <b>1591-Pallet</b> | 15W50 Engine Break-In Oil         | (84 Case) Pallet    | <b>Buy Now!</b> |
| <b>159</b>         | Engine Break-In Oil Additive      | 12 oz. Bottle       | <b>Buy Now!</b> |
| <b>159-12</b>      | Engine Break-In Oil Additive Case | (12) 12 oz. Bottles | <b>Buy Now!</b> |
| <b>260</b>         | Engine Break-In Oil Additive      | 5 Gallon Bottle     | <b>Buy Now!</b> |



A product of **Endure**  
PERFORMANCE LUBRICANTS



# Educational Materials

## Door Slammers: The Chassis Book

by Dave Morgan

If you are building or racing a full bodied drag car, this book shows you how to maximize chassis performance. Written by industry expert Dave Morgan, it contains a wealth of knowledge not generally available from any other source. Hundreds of photos and drawings help explain and guide you through chassis operation and tuning.

|           |                                 |          |
|-----------|---------------------------------|----------|
| POW901020 | Door Slammers: The Chassis Book | Buy Now! |
|-----------|---------------------------------|----------|



POW901020

## FAST™ Fuel Injection Installation & Tuning DVD

The new FAST™ Fuel Injection Installation & Tuning DVD is an easy-to-follow, professionally animated production which actively demonstrates the proper step-by-step installation and use of the FAST™ XFI™ Fuel Injection System. With almost two hours of information, great care was taken to present the information in an easy to navigate and entertaining format. Covering everything from EFI theory to installation tools to live dyno tuning sessions, this DVD will "Take the fear & intimidation out of EFI" for first time tuners and professionals alike.

|        |                                 |          |
|--------|---------------------------------|----------|
| 307061 | FAST™ Installation & Tuning DVD | Buy Now! |
|--------|---------------------------------|----------|



307061

## "Quick Shifting" Turbo 350 Video

"Quick Shifting" explains how to modify your GM Turbo 350 transmission. Installing a shift improver kit, installation of a torque converter, and shifter installation are all covered in this 30 minute video. Easy-to-follow instructions explain how to firm up shifting, install a transmission cooler and inspect parts for wear.

|           |                                  |          |
|-----------|----------------------------------|----------|
| POW902020 | "Quick Shifting" Turbo 350 Video | Buy Now! |
|-----------|----------------------------------|----------|



POW902020

## "How to Build a Small Block Chevy" Video

This video offers step-by-step instructions, including the basics on building a performance Small Block Chevy engine. Competition Cams® R&D Director, Paul "Scooter" Brothers, offers advice based on his 20+ years of experience building everything from street engines to 700 horsepower NASCAR power plants. Great for the novice or intermediate engine builder.

|           |  |          |
|-----------|--|----------|
| POW902010 | "How to Build a Small Block Chevy" Video | Buy Now! |
|-----------|--|----------|



POW902010

## “Pinion Depth Setting” DVD

Narrated by Adrian Pendegrass, this video explains in detail how to set up a differential using our (Part# POW356000) pinion depth setter. While Adrian will never win an academy award, he does pass along a great deal of knowledge about various rear end assemblies and buildup techniques. Gear nomenclature, gearset applications, patterns, and torque specifications are all covered in this 90 minute video.

|           |                          |          |
|-----------|--------------------------|----------|
| POW902070 | Pinion Depth Setting DVD | Buy Now! |
|-----------|--------------------------|----------|



POW902070

## “Power Porting” Video

Tools, equipment and safety are all covered in this 20 minute video. Cylinder head porting theory, as well as gasket matching, bowl blending and chamber polishing are also detailed. Many porting tips and tricks are also explained.

|           |                       |          |
|-----------|-----------------------|----------|
| POW902016 | “Power Porting” Video | Buy Now! |
|-----------|-----------------------|----------|

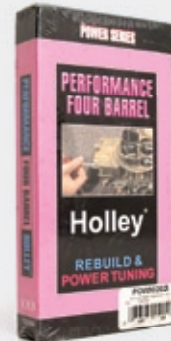


P10W902016

## Holley “Performance Rebuild” Video

The Holley “Performance Four Barrel” video teaches proper carburetor rebuild and tuning techniques. This video covers carb theory, rebuilding, calibrating and tuning in simple “over the shoulder” type instruction. Every detail and component is thoroughly discussed and explained in this 30 minute video.

|           |                                  |          |
|-----------|----------------------------------|----------|
| POW902025 | Holley Performance Rebuild Video | Buy Now! |
|-----------|----------------------------------|----------|



POW902025

## DragSim 5™

In the past, finding the optimal chassis, driveline, gear ratios and other characteristics for desired street or drag strip performance was an expensive process characterized by trial-and-error – but not anymore. With DragSim5™, you can assemble and test the performance of any vehicle imaginable on any 1/8 or 1/4-mile strip. A pop-up TimeSlip™ provides an easy-to-read visual summary of the overall vehicle performance. Also included is the sophisticated Traction Calculator™ that optimizes tire/track modeling and improves overall simulation accuracy.

- Build and test any domestic or sport compact vehicle on your PC; accurately determines speeds for front or rear-wheel drive vehicles
- Analyze engine rpm, clutch rpm, acceleration, tire slip, e.t., aero drag, etc.
- ProTools™ Kit includes DataZones™, Prolterator™, ProData™ Display and ProPrinting™ for detailed read-outs
- Determines the best components for street cars, motorcycles or dragsters for optimum potential output
- Patented Traction Calculator™ improves simulation modeling
- Pop-up TimeSlip™ gives an instant performance overview

|           |                     |          |
|-----------|---------------------|----------|
| POW102305 | DragSim 5™ Software | Buy Now! |
|-----------|---------------------|----------|



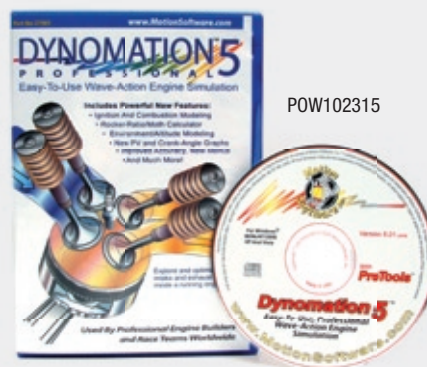
# Educational Materials

## Dynomation 5™ Wave Action Engine Simulation

For the competitive engine builder, time is money. Thanks to the new Dynomation-5™ Wave Action Engine Simulation, you can reduce the cost and time of engine development, while maintaining your competitive edge. By letting you peer inside a running engine, this advanced engine simulation reveals live pressure waves and mass flow in cylinders and engine passages. While Dynomation-5™ will accurately display how much power your engines makes, it will also show you where and how this power is achieved.

- 3D cutaway engine shows mass flow, port velocities and pressures – synchronized to the crank-angle data displayed in Dynomation-5™
- Fully analyzes induction runner lengths, port taper angles, port areas, cylinder head flow variations and cam timing
- Examines camshaft lift, duration, centerline and lobe separation angles

|           |                        |          |
|-----------|------------------------|----------|
| POW102315 | Dynomation 5™ Software | Buy Now! |
|-----------|------------------------|----------|



POW102315

## DeskTop Drag5™

Rather than making trial runs at the track to determine the best setup for your street rod, motorcycle or dragster, why not save money and time by doing it all on your Windows-equipped PC? DeskTop Drag5™ is an inexpensive, yet highly-accurate 1/4- and 1/8-mile drag race simulation that allows you to analyze the winning potential of your vehicle by selecting various parts from built-in menus – or by entering your own custom specs. With this advanced software, you can model virtually any vehicle's design, weight, frontal area, aero drag, wheelbase, tires and even driving style.

- Features advanced graphics that display e.t., mph, engine and clutch (trans input shaft) rpm, acceleration, aero drag, tire slip, etc.
- "Zoom-in" feature can analyze starting line or top-end performance
- Design, build and drag test cars, motorcycles, dragsters – FWD or RWD
- Uses an advanced Windows interface with easy-to-use DirectClick™ Menus
- Pop-up TimeSlip™ provides a detailed performance overview

|        |                          |          |
|--------|--------------------------|----------|
| 186401 | DeskTop Drag 5™ Software | Buy Now! |
|--------|--------------------------|----------|



186401

## DeskTop FastLap5™

Using the latest in performance simulation technology, DeskTop FastLap5™ analyzes the handling capability of any vehicle on any closed-course, asphalt track. This top-of-the-line software can perform a comprehensive analysis of any vehicle, turn-by-turn, to provide you with the best chassis and vehicle setup. It can also run an extensive simulation and display lap times and full vehicle "telemetry" to within a small percentage of true track-test data. Once you choose your setup combination, DeskTop FastLap5™ will take your vehicle through a "hot lap" with instant results.

- Accurately design, build and simulate any vehicle on any closed-course, asphalt track in mere seconds with ease
- Tests weight, wheelbase, center of gravity, aerodynamics, shifting and braking points, tires, gear ratios, suspension, and power curves
- Features include DirectClick™ Menus, QuickAccess™ Buttons, precision data display with reticule, 160-page color users manual and more
- Pick from 40+ built-in tracks or model your own with the Track Editor™ app
- Custom user interface displays vehicle specs on the left and track-testing results on the right side of screen

|        |                             |          |
|--------|-----------------------------|----------|
| 186301 | DeskTop FastLap 5™ Software | Buy Now! |
|--------|-----------------------------|----------|



186301

For more information visit [www.proracingsim.com](http://www.proracingsim.com)

## DeskTop Dyno5™

Capable of testing any 1-12 cylinder, 4-cycle engine, this innovative software features a custom interface that includes easy-to-use Direct-Click™ Menus that allow you to select from a wide variety of parts – or enter custom specs. DeskTop Dyno5™ also includes several calculators to aid you with detailed engine analysis, including a CamMath QuickCalculator™, Induction-Flow Calculator and an Air Flow Pressure-Drop Calculator.

- Detailed graphs display projected hp, torque, VE and engine pressures
- QuickItterator™ automated testing tool helps find optimum component combinations for virtually any engine application
- Includes combustion chamber modeling, improved accuracy and new component choices to put you within 5% of real dyno data
- Displays results at each 500 rpm from 1,000 to 14,500 rpm

|        |                |          |
|--------|----------------|----------|
| 186011 | DeskTop Dyno5™ | Buy Now! |
|--------|----------------|----------|



186011

## DynoSim5™

Now you can dyno test your next engine project BEFORE you even build it. The new DynoSim5™ software can accurately simulate any 4-cycle engine – including turbo, supercharger, nitrous and alternative fuel applications. Features include hundreds of new engines, advanced modeling, expanded results graphs and tables, comprehensive printouts, automatic updating over the web, and more. As a supplement to DynoSim5™, we now offer CamDisk8™ that will automatically install additional cam files to the cam library created when you installed DynoSim5™. With this additional disk, you will have access to over 6,000 camshafts that you can search, load and test in any simulated engine.

- Features combustion and ignition curve modeling, advanced rocker-ratio mathematics, multiple graphs and data displays
- Incorporates new QuickItterator™ and Prolterator™ technologies that help find the best component combinations for optimal power
- Includes unique Pro Tools™ Kit that enhances functionality

**\*Note: CamDisk8™ requires previous install of DynoSim5™ & is compatible with DynoSim5™ only. Each sold separately.**

|        |                     |          |
|--------|---------------------|----------|
| 181501 | DynoSim 5™ Software | Buy Now! |
|--------|---------------------|----------|



181501

## FastLapSim5™

Building a well-suited vehicle for competitive road racing is a never-ending search for the perfect combination of suspension design, tires, gear ratios, braking points, steering path and a hundred other variables. Thanks to FastLapSim5™, you can accurately simulate the complex interaction of forces, speeds, and accelerations generated by stock, high-performance, or all-out race vehicles. This advanced software also features the Pro Tools™ Kit, which includes such enhanced features as DataZones™, real time data display, spring/damper calculator, ProData™ Display and ProPrinting™.

- Advanced road racing software determines best possible elapsed time for any track – with any number of turns, ovals or autocrosses
- Pick from 40+ of the world's most well-known tracks or design any closed course using the innovative, built-in TrackEditor™
- Determines optimum driving path, shifting and braking points, aerodynamics, throttle positions, gear ratios and much more
- Software includes cutting-edge Pro Tools™ Kit that extends the functionality of many program features
- Easy-to-use interface allows comparison between as many as 4 vehicles at once – anything from stock cars to street racers to NASCAR

|        |                         |          |
|--------|-------------------------|----------|
| 181701 | FastLap Sim 5™ Software | Buy Now! |
|--------|-------------------------|----------|



181701

For more information visit [www.proracingsim.com](http://www.proracingsim.com)



# Apparel & Merchandise

## Powerhouse® T-Shirts

Powerhouse® carries 100% cotton t-shirts that display a full color Powerhouse® logo on the back and a smaller logo on the chest. This is the perfect shirt to proudly promote your favorite tool brand, Powerhouse®!

|                  |                            |                 |
|------------------|----------------------------|-----------------|
| <b>P106-S</b>    | Powerhouse T-Shirt - Small | <b>Buy Now!</b> |
| <b>P106-XL</b>   | Powerhouse T-Shirt - XL    | <b>Buy Now!</b> |
| <b>P106-XXL</b>  | Powerhouse T-Shirt - 2XL   | <b>Buy Now!</b> |
| <b>P106-XXXL</b> | Powerhouse T-Shirt - 3XL   | <b>Buy Now!</b> |

P106-XL

P106-XL



Front

Back

## Pit/Shop Apron

Our handy Pit/Shop Apron is rugged and durable and features two large pockets in front and a smaller pocket on the upper left chest for pens. So keep those expensive crew uniforms clean, wear one of our aprons.

|                  |                             |                 |
|------------------|-----------------------------|-----------------|
| <b>POW952300</b> | Pit/Shop Apron with Pockets | <b>Buy Now!</b> |
|------------------|-----------------------------|-----------------|

POW952300



## Kevlar Mechanic's Gloves & Sleeves

- Protect your hands and arms from heat, cuts and abrasions
- Made of 100% ballistic Kevlar
- Offers protection without sacrificing dexterity or comfort
- An absolute must for anyone who works around cars or equipment

|                  |                                  |                 |
|------------------|----------------------------------|-----------------|
| <b>POW301100</b> | Kevlar Mechanic's Gloves (Pair)  | <b>Buy Now!</b> |
| <b>POW301110</b> | Kevlar Mechanic's Sleeves (Pair) | <b>Buy Now!</b> |

POW301100



POW301110

## Powerhouse® Decal

Affix our Powerhouse® decals anywhere you want to display your loyalty to Powerhouse® Products. Be it your tool box, vehicle/shop window or even yourself!

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| <b>POW991006</b> | Powerhouse® Decal Qty. 1 | <b>Buy Now!</b> |
|------------------|--------------------------|-----------------|



POW991006

## Technical Resources

| Engine C.I.                | Bore Size | Stroke Length | Pushrod Length |
|----------------------------|-----------|---------------|----------------|
| <b>AMC V8 Engine</b>       |           |               |                |
| 304                        | 3.750     | 3.440         | 7.794          |
| 360                        | 4.080     | 3.440         | 7.794          |
| 390                        | 4.165     | 3.570         | 7.794          |
| 401                        | 4.165     | 3.680         | 7.794          |
| <b>Buick V8 Engine</b>     |           |               |                |
| 350                        | 3.800     | 3.850         | 9.682          |
| 400                        | 4.000     | 3.850         | 9.378          |
| 455                        | 4.313     | 3.900         | 9.378          |
| <b>Chevrolet V8 Engine</b> |           |               |                |
| 265                        | 3.750     | 3.000         | 7.794          |
| 267                        | 3.500     | 3.484         | 7.794          |
| 283                        | 3.875     | 3.000         | 7.794          |
| 302                        | 4.000     | 3.000         | 7.794          |
| 305                        | 3.736     | 3.480         | 7.794          |
| 307                        | 3.875     | 3.250         | 7.794          |
| 327                        | 4.000     | 3.250         | 7.794          |
| 350                        | 4.000     | 3.480         | 7.794          |
| 396                        | 4.094     | 3.760         | 8.280/9.252    |
| 400                        | 4.125     | 3.750         | 7.794          |
| 402                        | 4.125     | 3.760         | 8.280/9.252    |
| 427                        | 4.250     | 3.760         | 8.280/9.252    |
| 454                        | 4.250     | 4.000         | 8.280/9.252    |
| <b>Chrysler V8 Engine</b>  |           |               |                |
| 273                        | 3.630     | 3.310         | 7.500          |
| 318                        | 3.910     | 3.310         | 7.500          |
| 340                        | 4.040     | 3.310         | 7.500          |
| 360                        | 4.000     | 3.580         | 7.500          |
| 383                        | 4.250     | 3.380         | 8.575          |
| 400                        | 4.340     | 3.380         | 8.575          |
| 413                        | 4.180     | 3.750         | 9.315          |
| 426H                       | 4.250     | 3.750         | 10.82/11.74    |
| 426W                       | 4.250     | 3.750         | 9.375          |
| 440                        | 4.320     | 3.750         | 9.315          |

| Engine C.I.                 | Bore Size | Stroke Length | Pushrod Length |
|-----------------------------|-----------|---------------|----------------|
| <b>Ford V8 Engine</b>       |           |               |                |
| 289                         | 4.000     | 2.870         | 6.876          |
| 302                         | 4.000     | 3.000         | 6.876          |
| 302 BOSS                    | 4.000     | 3.000         | 6.876          |
| 351W                        | 4.000     | 3.500         | 8.144          |
| 351C                        | 4.000     | 3.500         | 8.408          |
| 351M                        | 4.000     | 3.500         | 9.500          |
| 390                         | 4.050     | 3.871         | 9.620          |
| 400M                        | 4.000     | 4.000         | 9.500          |
| 406                         | 4.130     | 3.780         | 9.620          |
| 427                         | 4.230     | 3.780         | 9.620          |
| 428                         | 4.130     | 3.984         | 9.620          |
| 429                         | 4.360     | 3.590         | 8.550          |
| 460                         | 4.360     | 3.850         | 8.550          |
| <b>Pontiac V8 Engine</b>    |           |               |                |
| 301                         | 4.000     | 3.000         | 8.120          |
| 326                         | 3.781     | 3.750         | 8.693          |
| 350                         | 3.875     | 3.750         | 9.130          |
| 389                         | 4.063     | 3.750         | 9.130          |
| 400                         | 4.120     | 3.750         | 9.130          |
| 421                         | 4.094     | 4.000         | 9.130          |
| 428                         | 4.120     | 4.000         | 9.130          |
| 455                         | 4.150     | 4.210         | 9.130          |
| <b>Oldsmobile V8 Engine</b> |           |               |                |
| 260                         | 3.550     | 3.385         | 8.234          |
| 307                         | 3.800     | 3.385         | 8.234          |
| 330                         | 3.939     | 3.385         | 8.234          |
| 350                         | 4.057     | 3.385         | 8.234          |
| 394                         | 4.125     | 3.688         | 8.234          |
| 400 (65-67)                 | 4.000     | 3.975         | 9.750          |
| 400 (68,69)                 | 3.870     | 4.250         | 9.750          |
| 403                         | 4.351     | 3.385         | 8.234          |
| 425                         | 4.125     | 3.975         | 9.750          |
| 455                         | 4.125     | 4.250         | 9.750          |

### Limited Warranty

Powerhouse® Products warrants that all of its products are free from defects in material and workmanship. This limited warranty shall apply for a period of one year from date of purchase and shall cover only the original purchaser.

Our obligation under this warranty is limited to the repair or replacement of the product. To make a warranty claim, call 901-795-7600 for a Return Authorization Number, and return the part within the one year period to Powerhouse® Products, 3402 Democrat Road, Memphis, TN 38118, freight prepaid and insured.

#### There is absolutely no warranty on the following:

- A) Any part used in racing applications.
- B) Any product that has been physically altered, improperly installed or maintained.
- C) Any product used in an improper application, abused or not used in conjunction with the proper parts.

Powerhouse® Products will not be responsible for incidental and consequential damages, property damage or personal injury damages to the extent permitted by law. There are no implied warranties of merchantability or fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.

Some states do not allow a limitation on how long an implied warranty lasts or do not allow the exclusion or limitation of consequential damages, so those limitations and exclusions may not apply to you.

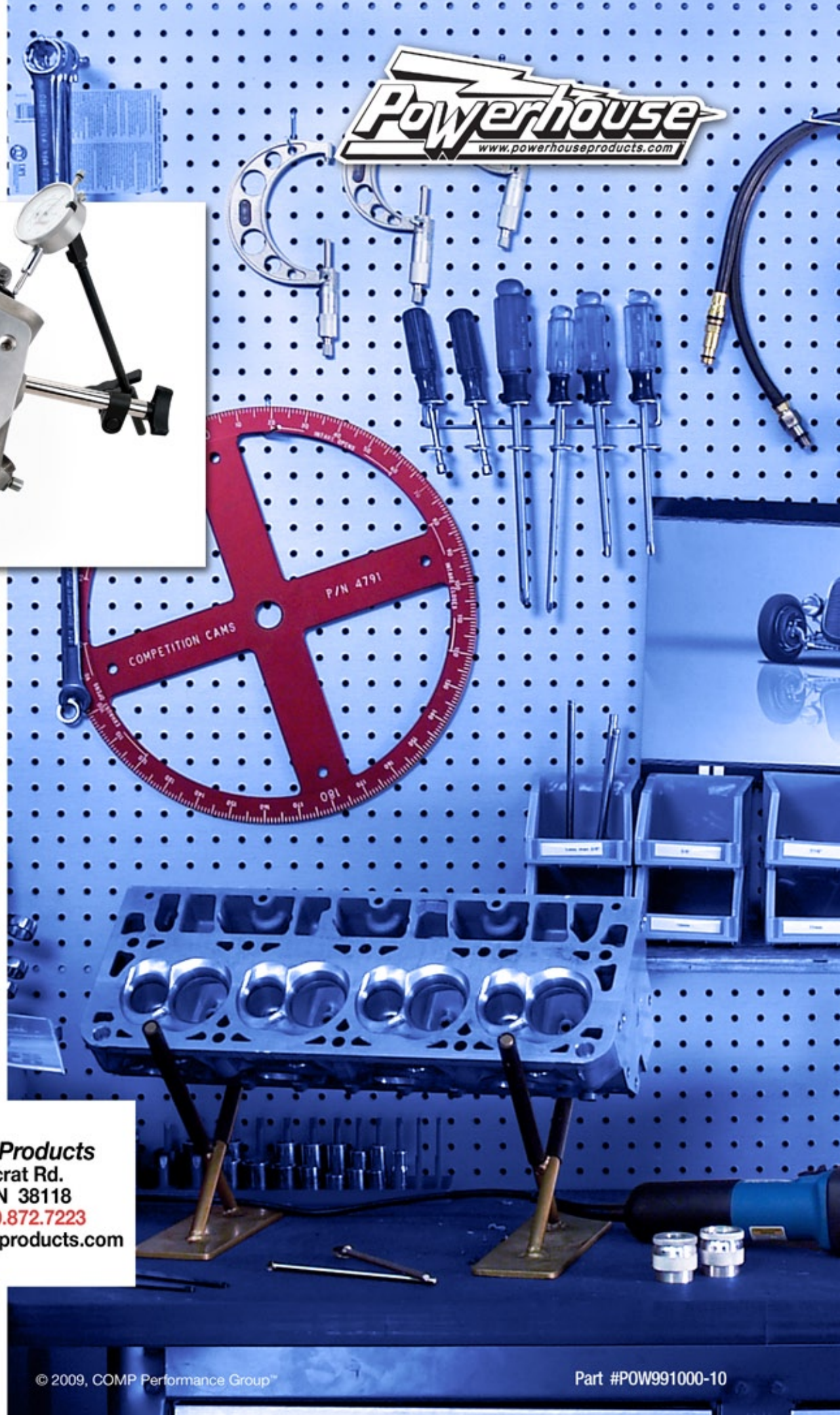
This limited warranty gives you specific legal rights, and you may also have other legal rights which vary from state to state.

### Warranty Returns

All merchandise returned for warranty consideration, inspection, repair, recalibration, etc., must be sent prepaid and insured. Included must be the sender's name, address, daytime phone number and a note explaining the nature of the problem or the work to be done. All merchandise returned for warranty must be accompanied by a Return Authorization Number.



**Powerhouse**  
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