

ZIPPER'S PERFORMANCE PRODUCTS

Performance Services

Zipper's supplies products and services to customers worldwide from our location in Elkridge, Maryland. Started in 1981, Zipper's has been known almost since its inception - first locally, then nationally, now internationally as one of the nation's premier high performance machine shops and R&D facility dedicated to the Harley® V-Twin. What we learn goes into everything we do, and we are still learning every day! All of our services are performed in-house to ensure quality products and maximum performance for your hard-earned dollar.



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www.ZippersPerformance.com

Performance Kits for Factory Engines

Zipper's Top End Performance Engine Kits

We have spent years (35 and counting) developing engine packages that deliver promised performance in a single part number - no need to have to figure out fuel or ignition curves as our kits include pre-programmed components with curves that we have already worked out. Or, if you like to be the head chef in your kitchen, we can supply just the ingredients you need to create your own masterpiece - every kit component we sell is available individually.

MUSCLE 107 KIT



Looking to upgrade your 2007 and later 96/103/110" Twin Cam® engine? Our Muscle Series engine kits substantially boost their output without sacrificing durability or drivability. These kits strike a perfect balance of torque and horsepower, and are designed to start easily, run without additives or special fuels while maintaining excellent heat management. Tour or Tear - you choose!



MUSCLE 110 KIT

Got a 10+ year old bike, and your buddies on their new 103's and 110's kicking sand in your face? You don't have to spring for a new bike to keep up, just breathe some new life into your TC88 or EV80! Our Muscle 95 top-end packages for TC88 engines will reliably flat-out smoke a 96 or 103" factory engine - mile after mile, year after year. Our 80/80 kit for EV Big Twins puts over 80 rear wheel horsepower at the twist of your wrist, with earth-moving torque topping 90 ft/lbs.



80/80 EV
BIG TWIN KIT



MUSCLE 95 KIT

TORKSTER 1200 KIT



Let's not forget Sportsters® - we cut our teeth racing them! The EV Sportster® engine platform has almost as many choices as a small block Chevy when it comes to performance upgrades. Our Torkster 883-1200 conversion kits offer the highest percentage of bang-for-the-buck we offer, while our Hammer series 1200 and 88" kits will forever silence "girl's bike" comments!

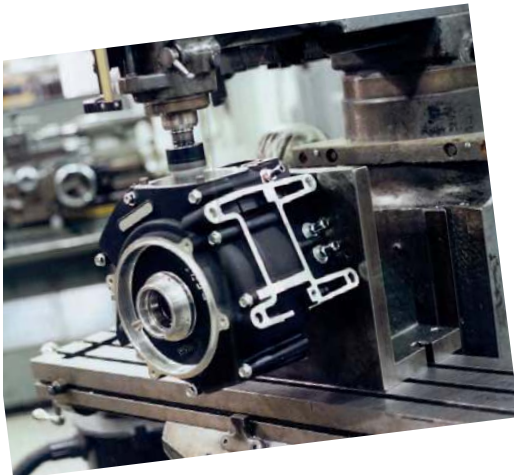
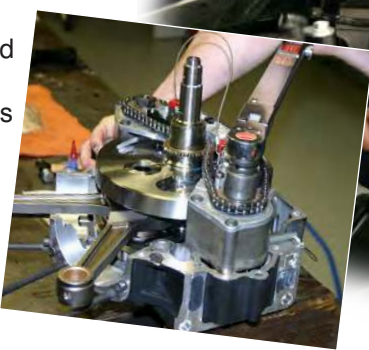
HAMMER 88 KIT



Performance Services

Ongoing Research and Development

Zipper's does its own in-house R&D. We are always developing and testing new products in our relentless mission to improve the performance and reliability of the American V-Twin. Our staff of experts live it and breathe it, just like the t-shirt says. We you spend your performance dollars with Zipper's, you can be confident that that what you get will perform as advertised.



Case Boring for Big Bore Cylinders

Installing Big Bore cylinders often requires resizing the cylinder spigot hole in the engine case. We offer the case boring services you'll need in order to install cylinders of up to 3-13/16" bore in stock single-cam Big Twins or H-D® EV Sportster® cases and up to 4-1/8" bore in Twin Cam® cases. EV XL and TC cases include machining for a special through-bolt between the cylinders at the base of the 'V'.

Cylinder Head Upgrades and Reconditioning

Zipper's provides the industry's best H-D® cylinder head services for Twin Cam®, CVO, Evolution Big Twin and Sportster® engines. Common services include:

- Performance enhancing valve jobs
- General reconditioning
- Gasket Surface Decking
- Calculate combustion chamber volume (CC)
- Machine manual compression releases
- Dual plug machining

Many other services can be provided on request. If it isn't listed, call us and ask!



CNC Porting of H-D® Castings - Twin Cam®, EVBT & XL and CVO Heads

Zipper's pioneered CNC-porting in Twin Cam® heads in 1999. We have expanded our line of CNC head port and combustion chamber designs to cover most popular engine configurations.



Professional Cylinder Sizing with Unique Piston Designs

Increasing engine power and durability requires something better than a high production factory-finished bore. Zipper's offers precision boring and diamond-finished honing to provide your pistons with a perfect custom fit, every time.

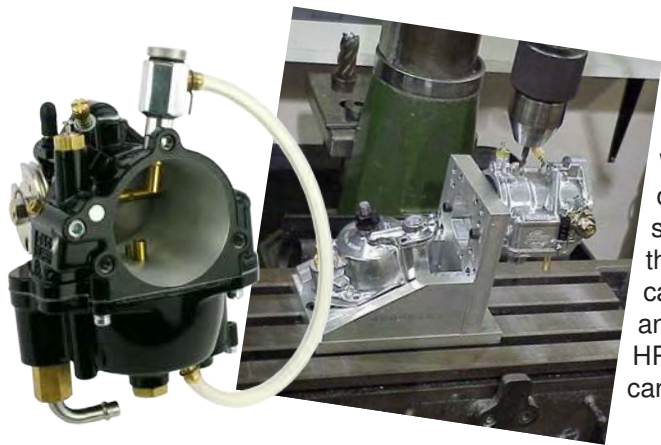
We stock the most popular brands of pistons in all available sizes, as well as some unique custom-designed pistons manufactured to our specs. Call us with your needs.



Performance Services

Cylinder Decking for EV and Twin Cam® Engines

Zipper's introduced another "industry first" with this process. Many factory cylinder castings suffer from collapsed and uneven sealing surfaces once subjected to the high heat these engines operate in. We have developed an economical method to true these sealing surfaces, ensuring a positive seal after getting your seasoned cylinders sized for new pistons.

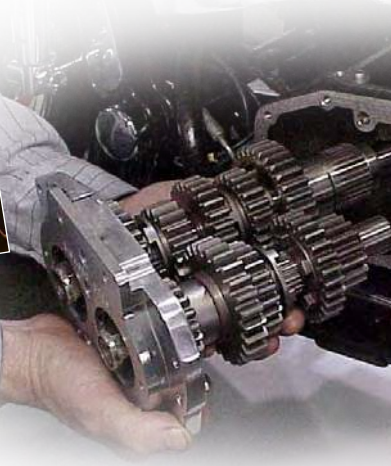
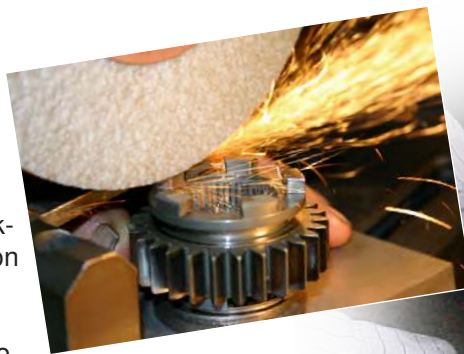


Carburetor Services

While all new Harleys® since 2007 are fuel injected, there are still lots of carburetor-equipped bikes that can benefit from our performance carburetor services. Thousands and thousands of S&S® owners are believers in the transformation that the addition of a ThunderJet® makes to any S&S® carburetor; we offer several stages of modifications to improve performance and drivability for stock engines to Monster-Sized 124 inchers and up. Our HPCV service greatly improves throttle response and power on the factory CV carburetor, too!

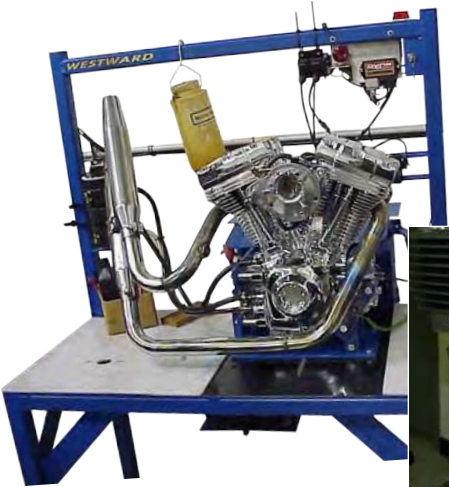
5-Speed Transmission Services

Zipper's experience at the race track taught us lots about the importance of transmission set up. Armed with this knowledge we have created services that greatly improve the shifting in 5-speed Big Twins and Sportsters®. Our back-cut services ensure quiet, effortless shifts and the elimination of damaging (and embarrassing!) missed shifts. We also manufacture high strength billet transmission doors that provide rock-solid support in severe-use applications. In the years we have provided this service, it is still one that we receive the highest compliments on.



Complete Engine Build Services

Zipper's offers complete, pre-run, turn-key engine conversions that you can drop right into your chassis. Zipper's Twin Cam® Muscle Engine Build Services include 103, 107, 110, 117, 120 and 124 cubic inch configurations. These are not assembly-line crate engines! They are hand-crafted, blueprinted examples of our finest work that are test-fired and heat-cycled on special fixtures before being shipped to you for installation. If you'd rather not do your own assembly, your entire motorcycle can be sent to us for transformation in our facility, with 100% of the job performed by our master craftsmen.



Special Thermal Coatings

Zipper's ties to the racing community exposed us to many special processes which increase the durability of an engine. One process we have often employed is custom thermal coatings for specific engine components, as developed in NASCAR® and utilized in professional racing for years. The results for an air cooled H-D® engine are outstanding. This service can be added to any complete engine build or kit we provide.



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