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The Champions' Choice



SPOTLIGHT ON:

EngineQuest



During the past 25 years, performance, and production engine builders have depended upon EngineQuest (EQ®) as a reliable source for cylinder heads and engine parts.

Established in 1987 by its parent company, A&A Midwest, EQ is the company's engine parts division that manufactures unique, problem solving parts for engine builders, rebuilders and race enthusiasts. With its roots in the engine cores business, EQ provides a valuable service to its customers: quality parts at a value price.

Much of the EQ product line was developed in response to specific requests for help by its customers. The company's parts are not "commodities," but developed to solve problems encountered by engine builders on a daily basis.

With thousands of SKUs in stock, including many parts not sold elsewhere, EQ's inventory contains new, remanufactured and reclaimed engine parts. The company has one of the largest selections of timing covers in the automotive aftermarket and access to over 150,000 engine, transmission and internal part cores from its sister company, A&A Midwest Cores. The company carries many engine parts such

as exhaust manifolds, harmonic balancers, head bolt sets, oil pans and much more.

EQ's parts specialists have an extensive knowledge of engines, encompassing heads, crankshafts and all internal engine parts. They help professional engine rebuilders understand when a new part should be installed and when a reclaimed or remanufactured will work better.

While EQ sells specialty and hard-to-find parts, it has become well-known for new stock and performance cylinder heads.

The company sells both bare and fully loaded cylinder heads. EQ bare heads are ready to assemble, with no porting or polishing needed. The loaded heads include OE-quality stainless steel valves, seals, valve springs and retainers.

Providing Only the Best

EQ's 23° Performance Cylinder Head with Flow-Cast technology is the most powerful cast iron cylinder head out of the box.

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This cylinder head boasts thicker (.4375) decks to provide improved heat transfer along with a better platform for decking. CNC machined guides and seats increase flow. For greater thermal conductivity, EQ has redesigned the water flow.

The 23° heads have phosphor bronze valve guides, hardened exhaust seats by Dura-Bond®, and a three-angle valve finish. It also features an improved design for cracking resistance.

The Vortec Hybrid Head is the company's affordable alternative for machine shops or engine rebuilders. It is based off the EQ cylinder head that was featured in the popular "Budget Sledgehammer" build in Popular Hot Rodding magazine. The Vortec Hybrid Head is made of cast iron with heat riser and is ideal for any small block Chevy application, automotive or marine. Anyone who rebuilds automotive-based engines for the marine market wanting to achieve increased airflow and horsepower will benefit from the Vortec Hybrid Head.

It comes available for the '87 through '95 intake bolt pattern with center bolt cover mounting holes. Or for the '69 through '85 intake bolt pattern with perimeter valve cover mounting holes.

EQ recently unveiled an improved replacement cylinder head for the 4.0L Jeep. It is designed for the 1998 to 2005 **4.0L Jeep** applications. It is cast with the 58cc combustion chamber and the high velocity ports of EQ's #0331 castings. However, to prevent the cracking com-



monly seen on early #0331s, it had been reinforced. It also is sized for 1.91 inch intake and 1/50 inch exhaust valves.

Magnum Cylinder Heads, LA Series are cast iron. They are a power improved alternative to stock that offers better intake flow and exhaust ports for enhanced horsepower and torque.

This series provides an exceptionally smooth casting for immediate bolt on with its 172cc intake runner volume and 62cc combustion chamber. Two separate applications help customers find exactly what they need. Both cover the 1992 to 2002 Chrysler engine series. However, part B is machined for a pre-1990 LA style intake pattern that uses all Magnum rocker parts. Part A features the 1992 to 2002 Magnum intake pattern.

The competitively priced **Dodge Magnum Head** fits the 3.9L, V-6 engine from 1992 through 2003. It features hardened seats and additional cast iron durability in the deck area with reliable EQ quality

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control and machining.

EQ also offers cylinder heads for import vehicles. These heads are available for 20 different applications in Asian vehicles. Its budget priced high grade aluminum heads are made to the same exacting standards as EQ's well-known cast iron heads.

***Track Tested,
Champions' Choice.***

EQ is a general sponsor of IMCA racing and just completed its fifth year as the title sponsor of the EQ Cylinder Heads IMCA Modified Wild West Tour. In addition, EQ provides contingency awards to the opening feature winners in several IMCA divisions.

EQ's early 350 cylinder head is approved as a direct replacement for the IMCA Northern and Southern Sport Mod Divisions and Hobby Stock division. It has become the head of choice by the most competitive teams. Each is branded with an IMCA logo and provides a unique serial number verified by IMCA. The head of choice by the most competitive race teams has 167cc intake runners and 76cc combustion chambers with 1.94 intake valves and 1.50 exhaust valves.

For the 2012 IMCA race season, EQ's cast iron Magnum cylinder head (EQ Part#CH318B) has been approved as a stock replacement for the IMCA Sunoco Hobby Stock, Karl Chevrolet Northern Sport Mod and Smiley's Racing Chassis Southern SportMod divisions. The IMCA approved head is a 1992-2004 Chrysler 318/360 head

machined for a pre-1990 LA-style intake pattern that still uses all Magnum rocker parts. It is a durable alternative to the inherently bad OEM casting.

In addition, EQ's high performance 23° cylinder head is approved for use in the EQ Cylinder Heads IMCA Wild West Modified Tour.

EQ Cylinder Heads continue to power racers to the winner's circle. Team EQ racers Bryan LaRiviere, 2011 IMCA Northern SportMod National Champion; Richie Gustin, 2011 Super Nationals Modified Champion; Sean Johnson, 2011 Super Nationals Stock Car Champion; Keith White, 2011 IMCA Stock Car National Champion are among those who have recently won with EQ.

In 2012, EQ will offer several CNC versions of its cylinder heads.

***Part of the A&A
Midwest Family***

A&A Midwest started in Chicago in 1949. It continues to carry on a legacy of customer support and quality products for over two generations. The company's cores, recycling and auto wrecking divisions are respectively known as A&A Midwest Cores, A&A Midwest Recycling and A&A Midwest Auto Wrecking. In addition to EQ, the company's division for transmission parts operates as TransmissionQuest (TQ).

A&A Midwest Cores sells engine and transmission cores. A&A Midwest Recy-



cling is a full-service scrap metal recycling (ferrous and nonferrous) business based out of Las Vegas, NV. The company also operates A&A

Midwest Auto Wrecking, an auto recycling facility in Blue Island, IL. TransmissionQuest (TQ), the newest division of the company, is focused on supplying a full-line of thoroughly inspected transmission hard parts. TQ operates from A&A Midwest's location in Chicago, IL. Coverage includes domestic, import, CVT/hybrid, 6-speed, ZF, Mercedes, Aisin Warner, Honda, Acura, and many other hard-to-find, late-model applications. To learn more about EQ's extensive line of stock and performance cylinder heads and engine components, visit www.enginequest.com or call (800) 426-8771.



Contact us for a copy of our catalog.

ENGINEQUEST
www.enginequest.com
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