XKs UNLIMITED "SHOP-TALK"
A Newsletter For The Customers and Friends Of
The XKs Unlimited Service And Restoration Center

"Restoring is Recycling"

Cylinder Head Rebuilding by XKs Unlimited

As part of the company's effort to move restoration services in-house wherever possible, and to further our position as a leading Jaguar repair and restoration specialist, XKs Unlimited now offers complete cylinder head machining and rebuilding services performed in our own, in-house, machine shop.

Many machine shops do excellent work on more common heads, but 40-year-old Jaguar cylinder heads have their own unique set of problems and machining requirements. That's why our machine shop is configured to work on one thing and one thing only: the Jaguar six-cylinder "XK" cylinder head produced from 1948 to 1987.

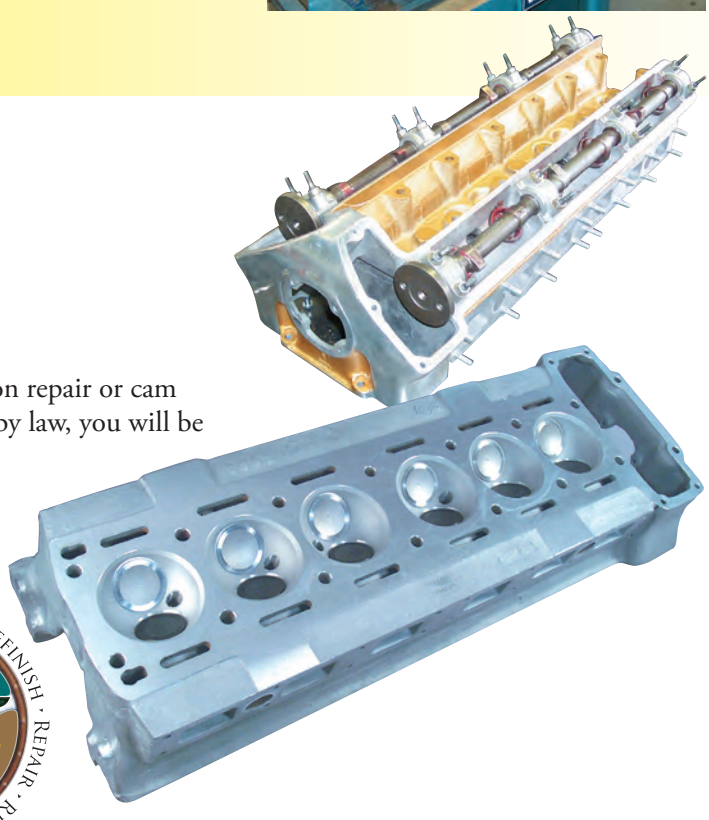
The following cylinder head services are now offered in-house by XKs Unlimited:

- Surfacing
- Valve Guide Installation
- Valve Seat Installation
- Cam-Follower Guide Installation
- Pressure Testing
- Corrosion Welding and Repair
- Big-Valve Conversions
- Cam Follower Bore Hold-Down Kit Installation
- Valve Stem Seal Conversions for Early Heads
- High Performance Cam Shafts and Springs
- Straightening of Warped Cylinder Heads
- Porting and Polishing
- Expert Assembly
- We've also built a tool that allows us to vacuum-test every cylinder head to ensure the valves are seating properly.

Standard Cylinder Head Rebuild Service

Our standard cylinder head rebuild includes the following:

- Pressure check for cracks
- Surface
- Install new valves
- Install new valve guides
- Install new valve springs
- Install new cam bearings
- Install new cam followers
- Replace broken or damaged studs
- Three-angle valve job
- Polish and paint to original specifications
- Assemble
- Adjust valve clearances



Additional required parts or labor operations, such as corrosion repair or cam follower guide replacement, are extra-cost items. As required by law, you will be given a complete estimate before any work begins.

Please call our restoration shop today to discuss your Jaguar cylinder head requirements.

(805) 594-1585