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**CYLINDER HEADS: CUSTOM REBUILD VERSUS EXCHANGE**

Cylinder heads play a fundamental role in extending the service for the top end of your engine. Proper machining, coupled with new valvetrain parts replacement, produces a head that performs better and more reliably.

Custom machining your cylinder heads (versus exchanging with an OEM program) has benefits that give you more control of how your engine is built and expected to run. Proper machining of the head casting reduces gasket leaks, valve failures, and exhaust leaks. Machining the manifold side of each casting as a matched set eliminates associated broken exhaust bolts, manifold fatigue, and exhaust leaks.

Simply put, custom machining the cylinder head and installing all new replacement parts gives you a cylinder head that will outperform any OEM exchange cylinder head. You avoid reused parts, variable machining from casting to casting, and accepting a core that might have been abused in its past service life.

**BENEFITS INCLUDE:**

- ◆ **Better Valve to Seat Contact**
- ◆ **Proper Gasket Sealing**
- ◆ **Fewer Broken Exhaust Studs**
- ◆ **Fewer Manifold Cracks**
- ◆ **Fewer Exhaust Leaks**
- ◆ **Better Performance, Reliability & Longevity**

Machining your own cylinder heads gives you the control of what you are putting back on your engine. With a known maintenance history (versus the unknown history of Reman Exchange castings), custom built cylinder heads work to your advantage right out of the box.

B&G Engines are built with custom machined cylinder heads that are assembled with all new valvetrain. Next time you are building an engine, consider this as an option. If you need a set of heads, we will custom build and match yours so this same performance can be integrated into your rebuild program.

If you have questions or would like additional information, visit: [www.bandgmachine.com](http://www.bandgmachine.com) or call (800) 645-2384.