Honing Plate Options

The following Options can be ordered with virtually any BHJ Honing Plate:

Special Bore Diameters: Part number suffix – S
Standard bore diameter for most Honing Plates is .090"-.095" over the largest standard engine bore diameter found in the specific engine family. Any special diameter may be machined in the Plate (may void warranty in some extreme big-bore applications).

Heat-Treated Inserts Installed: Part number suffix – T
Heat-treated Steel Inserts (T-washers) can be installed in the top surface of the Plate for each head bolt hole, resulting in increased durability and longevity. Included as standard equipment in aluminum and Production Model plates, Inserts are also beneficial in cast iron R and CB Model plates.

Threaded Steel Inserts: Part number suffix – TI
Threaded Steel Inserts are available for added durability in aluminum or cast iron Plates with threaded holes.

Heat Treated Spacers: Part number suffix – HT
D.O.M. Steel Spacers, as supplied with most R Model plates, may be heat-treated for increased durability.

O-Ring and Receiver Grooves: Part number suffix – O
O-Ring or receiver grooves are available in the deck surface of the Honing Plate, to more closely simulate the bore distortion induced by a cylinder head with similar machining. Customer must supply O-Ring groove outside diameter, width and depth when ordering.

Dialed In Dowels: Part number suffix – DID
All standard honing plates are machined with oversized locator dowel-pin holes to allow for Honing Plate bore-alignment over the typically misaligned bores of any given factory block. The Dialed In Dowel option includes dowel pin locator holes which are on-size to the dowel pin and in the exact relationship to the bores, as per the factory specifications. This option allows the plate to be used for bore layout during the boring operation. It is important to realize that bores located in this manner will only be as correct as the dowel pin location they are referenced from in any given block.

Rocker Stud Extractors

BHJ's Rocker Stud Extractors remove press-in rocker arm studs with ease and are designed to meet the most severe demands imposed upon them.

The SP-1 Stud Extractor (right) works with a 1/2" drive air impact wrench (not included) and is manufactured from heat-treated alloy steel for maximum durability. The unit is strong enough for use in a high-performance head shop where 16 studs may be removed in succession, yet economical enough to be in a machinist's toolbox for extracting the occasional worn stud. The threaded Center Stud is reversible for use on either 3/8" or 5/16" rocker studs.

The SP-3 Hydraulic Rocker Stud Extractor (left) further streamlines the stud-removal process. When tied into a hydraulic power unit, such as the piston pin press found in most shops (not included), the SP-3 is capable of removing eight studs in a little over five minutes with no operator effort. A hard-anodized aluminum housing, combined with heat-treated steel for all wear and high-stress parts makes the SP-3 light and incredibly durable. One 3/8" and one 5/16" Collet are supplied, as well as a 36" High-pressure Hose with No-bleed Quick Coupler.

Head Bolt Hole Spotface Cutter

BHJ's Head Bolt Spotface Cutter helps restore parallelism between head-bolt seating surfaces and the deck surface after cylinder heads are angle milled. Utilizing a top quality high-speed steel Cutter and a specially-machined Pilot, the Tool is guided by the existing bolt hole, to quickly and accurately re-machine the bolt boss surface.