

Conventional cam bearing installation tools use an expanding rubber-covered mandrel and a large hammer. This method allows the bearing to shift and potentially be driven in crooked. This can cause the camshaft to bind, leading to instant bearing failure. When installing needle type roller bearings, this method is absolutely prohibited by the bearing manufacturer, as it causes sidewall distortion, which locks the needles to the cage and prevents proper rotation.



The Cam Bearing Installation Tool is supplied in a sturdy, foam padded plastic case for storage and includes an application size chart for easy Guide Plug selection. For projects using only one size cam bearing, the Cam Bearing Installation Tool is also available in a one-size-only Kit, which is supplied with one Guide Plug (specify when ordering). Replacement and larger-size Guide Plugs (including 60mm roller) are also available.

## S.B. Chevrolet Fuel Pump Pushrod Fixture (FPPR-CHS)

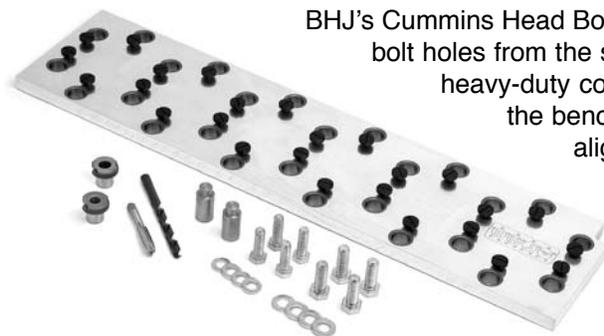
BHJ's Fuel Pump Pushrod Fixture Kit is designed to accurately locate and install a finished fuel-pump boss in late-model, fuel-injected small block Chevrolet engines. These blocks typically do not have a completed boss and must be modified to allow use of a mechanical fuel pump. The ability to conduct this process becomes more and more valuable as older cores become less available for performance applications requiring a mechanical fuel pump.



The Kit is installed via a Registration Plate, which precisely aligns from the timing cover locating dowels using hardened bushings, and bolts securely into place. Three Fixture Blocks are attached to the unfinished boss to execute each part of the three-stage process. The Kit includes all the necessary Fixture Blocks, Fixture-mounting Hardware, Drill Bushing Guides, Drills, Taps and Reamers to do a clean, precise job every time.

## Cummins B Series 14mm Head Bolt Fixture (HBF-CMN-14)

BHJ's Cummins Head Bolt Fixture allows precise up-sizing of Cummins 6B diesel head-bolt holes from the stock 12mm configuration, to 14mm. The precision design and heavy-duty construction allows for countless accurate installations either on the bench top or with the engine in the chassis. The Registration Plate aligns from the stock dowel holes and bolts to the deck surface using the supplied 12mm Bolts. Switching to the 14mm Bolts, also included in the Kit, allows the remaining holes to be drilled and tapped, once the initial holes have been machined to 14mm, thus completing the process.



The Head Bolt Fixture Registration Plate is constructed of aluminum tooling plate and includes all Drills, Taps, Drill Bushing Guides and Mounting Hardware necessary to complete the process.

An optional Dowel Hole cutter and Oversize Dowels are also available which together provide a larger O.D. Dowel, thus providing adequate wall thickness. Machining the block for 14mm bolt-holes and re-installing the stock O.D. dowels significantly reduces the dowel wall thickness, as the I.D. of the dowel is machined to accept the 14mm bolt. Up-sizing the dowels in this manner ensures adequate strength for heavy duty applications.



## ...More Diesel Products

BHJ also manufactures Honing Plates and O-Ring Groove Cutters specifically tailored to Cummins, Ford, General Motors, International and many other Diesel applications. Virtually all BHJ Tooling and Fixtures can be used in one form or another for building high performance Diesel engines. Email [sales@bhjproducts.com](mailto:sales@bhjproducts.com) or call for more information on BHJ Diesel applications.