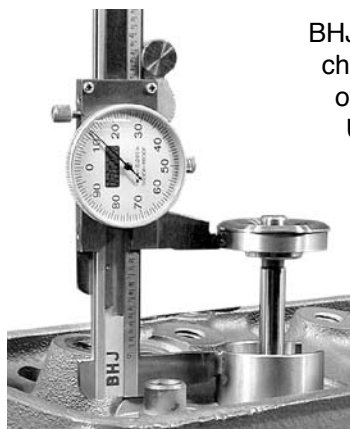


Valve Spring Installed Height Caliper



BHJ's Valve Spring Installed Height Calipers provide a quick and accurate method for checking valve spring installed height on both overhead valve and recessed-pocket overhead cam cylinder heads. The Calipers are based on a high quality Dial Caliper. Use of this instrument involves installing the valve spring retainer and measuring the spring space with the specially designed Caliper Feet.

The VT-2 Installed Height Caliper is designed for overhead valve applications and has an outside spring diameter range of 1.250" to 1.550". The VT-2A Caliper is also designed for overhead valve applications but has a larger outside spring diameter range of 1.400" to over 1.625".

The VT-2B Valve Spring Installed Height Caliper is designed to accommodate recessed-pocket overhead cam cylinder heads.

Valve Angle Comparator

BHJ's Valve Angle Comparator is a simple, yet essential tool that verifies the relationship of the valve head angle to the piston relief. The angles must be compared when assembling engines using angle-milled heads and aftermarket pistons.



The angle relationships are quickly checked by first pressing the Comparator to the valve head to set the angle (Illustration #1), then placing it on the piston to check the piston relief angle (Illustration #2).

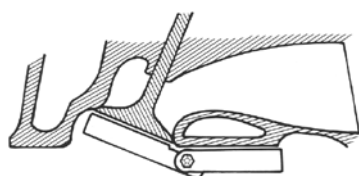


Illustration #1

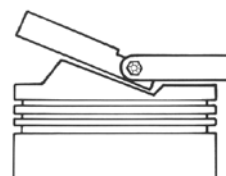


Illustration #2

Valve Margin Comparator



BHJ's Valve Margin Comparator enables quick and easy comparison of valve margin thickness. Detecting margin variations between valves is critical to matching their flow characteristics, as well as assuring equal combustion chamber volumes. Matching the valves before head assembly reduces the possibility of disassembling one or more chambers after cc'ing the head to re-machine the valves or seats.

The Valve Margin Comparator uses a durable, hard-anodized aluminum Base, which is ideal for many years of bench-top use. Interchangeable Slip-fit Bushings positively locate valve stems of various sizes to ensure accurate, perpendicular positioning of the valve for precise measuring. The adjustable Indicator Swing-Arm can be set to consistently read margin thickness at virtually any location across the face of valves up to 3" in diameter.

The Valve Margin Comparator includes the Base, a 1"-travel Dial Indicator with adjustable Swing-Arm, a Positioning Pin and three Slip-fit Bushings to accept 5/16", 11/32" and 3/8" valve stems. Additional Bushings are available in other sizes separately.

...Better Valve Sealing

BHJ's High Performance Cylinder Head Plates are similar to Honing Plates, but mount to cylinder heads to duplicate the distortion induced when a cylinder head is installed on the block upon final assembly. With a Cylinder Head Plate and gasket installed on a head, assembled distortion is replicated during the valve-seat machining process. The result is more precise machining and a substantially more effective valve seal. See page 17 for more details.