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Precision SCR Clamp Dial Indicator Gauge

The gauge is designed to accurately measure the bend in the SCR clamping spring before disassembly to allow accurate spring tensioning on re-assembly.



To assemble Gauge:

- 1) Insert dial indicator into 3/8" hole. Use Allan wrench to lightly tighten setscrew. CAUTION: DO NOT OVER TIGHTEN. This will cause permanent deformation of the dial indicator tube and possible binding.
- 2) Screw in the three points. There is a small and large pattern suitable for small and large clamps. Pins will form a symmetrical triangle and be mirrored with the indicator leg.
- 3) Stabilize the gauge on a reference flat surface. Loosen the silver face clamping screw and rotate the face to zero. Re-tighten screw.

To use the Gauge:

Before disassembling SCR heat sink:

Place indicator on SCR clamp as shown below.



The curvature of the spring can be read from the gauge.
If you wish the black pointer can be rotated to this reading for future reference.

After re-assembling SCR heat sink tighten bolts until same curvature is obtained.

Typical readings will be 0.030 to 0.060 inches. However this is dependent on clamp design and manufacturer. The reading obtained before disassembly should be used for re-assembly.

The gauge is a precision measurement instrument and should not be dropped or physically abused. Handled with care it will give many years of trouble free operation.

If the points are lost or damaged you may replace them with Starrett points PT06632-12.

The dial indicator is standard with a 3/8 inch mounting shaft.