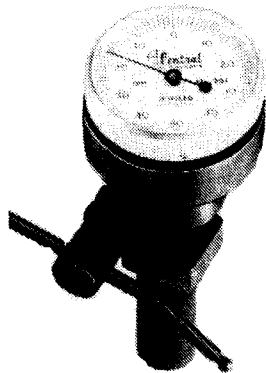


## PRECISION TOOLS FROM CENTRAL



### Valve Seat Runout Gage

Check valve seat runout on any automobile, truck, motorcycle, snowmobile or outboard engine with this jeweled bearing indicator.

Most engine valve seat runout specifications require accuracy within .001". Place gage on pilot, position probe on valve seat and rotate gage a full revolution.

Interchangeable adaptors are available for different pilots.

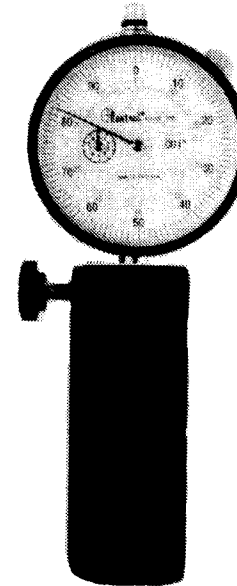
*Write for Catalog*

 **Central<sup>®</sup> Tools, Inc.**

**"Your Automotive Measuring People"**  
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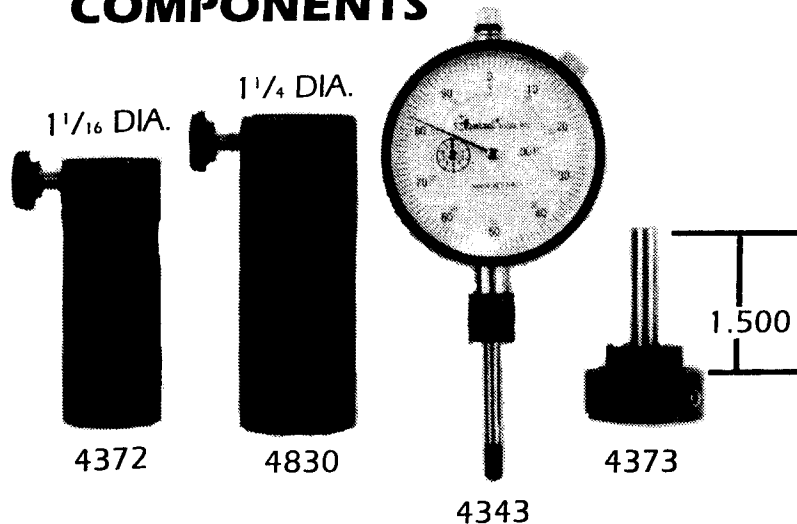
 **Central<sup>®</sup>**

### No. 6436



### VALVE STEM HEIGHT GAGE

# COMPONENTS



Short Body	4372
Long Body	4830
Standard	4373
Thumb Screw (2)	4371
Case	4540

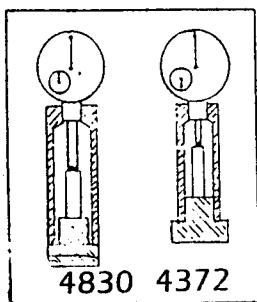


FIGURE 1

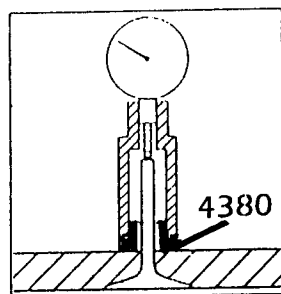


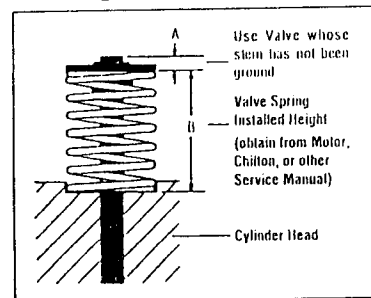
FIGURE 2

# INSTRUCTIONS

1. To calibrate **4830** set both rev. counter and sweep hands on zero of indicator using 1.500 standard and lock indicator with thumb screw. See Fig. 1. To calibrate **4372** set rev. counter hand on .500 and sweep hand on zero of indicator using 1.500 standard as shown in Fig. 1 and lock indicator with thumb screw. Gage No. **4372** will have a total of 2.000" contact-to-base distance. Gage No. **4830** will have a total of 2.500" contact-to-base distance. This dimension can be increased to 3.000" by using optional spacer No. **4380** (not incl. Fig. 2)
2. After grinding valve and seat, place gage over valve stem, as shown in Fig. 2. Add reading of indicator to the 1" initial height or 1 1/2" if long body is used.
3. Compare this dimension with the "A + B" dimension previously obtained using Valve Specification Gage 6435. The difference represents the amount which must be ground from the stem and the amount by which the valve spring must be shimmed.

Example:

Valve Stem Height after grinding  
 the valve seat and face ..... 1.930"  
 Dimension A + B ..... 1.880"  
 Amount to be ground from stem ..... 050"



4. The amount of metal which can be removed from a valve stem is limited. In severe cases it may be necessary to replace the valve and seat in order to restore the original dimensions.