Micrometer

Meets NATEF Task: Not specified by NATEF

Name _____ **Date** _____ **Time on Task** _____

Make/Model/Year _____ **VIN** _____ **Evaluation: 4 3 2 1**

A micrometer is the most used measuring instrument in engine service and repair. The thimble rotates over the barrel on a screw that has 40 threads per inch. Every revolution of the thimble moves the spindle 0.025 inch. The thimble is graduated into 25 equally spaced lines; therefore, each line represents 0.001 inch. Measure and record the following engine components.

_____ **1.** Pushrod diameter = _____

_____ **2.** Intake valve stem diameter = _____

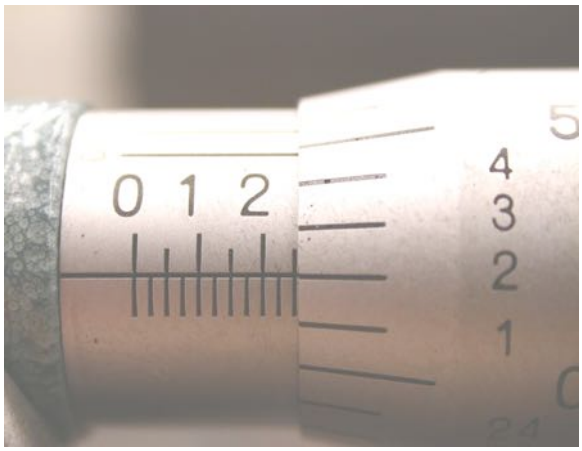
_____ **3.** Exhaust valve stem diameter = _____

_____ **4.** Camshaft journal diameter = _____

_____ **5.** Piston diameter = _____

Check the factory specifications for exact location on the piston to measure the diameter.

Location = _____



_____ **6.** Crankshaft main bearing journal diameter = _____

_____ **7.** Crankshaft rod bearing journal diameter = _____