

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 bearing 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 = _____