

Micrometer

Meets ASE Task: None specified by ASE

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

Evaluation (Enter number from 4, 3, 2, 1) : _____

- 1. A standard 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.
- 2. Pushrod diameter = _____
- 3. Intake valve stem diameter = _____
- 4. Exhaust valve stem diameter = _____
- 5. Camshaft bearing diameter = _____
- 6. Crankshaft main bearing journal diameter = _____
- 7. Crankshaft rod bearing journal diameter = _____

