

Automotive Engines Theory and Servicing 10th Edition

Chapter 8 – Measuring Systems and Tools

Lesson Plan



CHAPTER SUMMARY:

1. English Customary Measuring System, Metric System of Measure, and Linear Measurements
 2. Micrometer, Telescopic Gauge, Small-Hole Gauge, Dial Caliper, Feeler Gauge, and Straightedge
 3. Dial Indicator, Dial Bore Gauge, and Depth Micrometer
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OBJECTIVES:

1. Compare the English customary measuring system and the metric system of measure.
 2. Discuss the purpose of tape measures, micrometers, and depth micrometers.
 3. Discuss the purpose of telescopic gauges, small-hole gauges, and dial calipers.
 4. Discuss the purpose of the straightedges, dial indicators, feeler gauges, and dial bore gauges.
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RESOURCES: ([All resources may be found at jameshalderman.com](http://www.jameshalderman.com))

1. Task Sheet: Micrometer
 2. Chapter PowerPoint
 3. [Crossword Puzzle and Word Search \(A0\)](#)
 4. [Videos: \(A0\) Automotive Fundamentals](#)
 5. [Animations: \(A0\) Automotive Fundamentals](#)
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ACTIVITIES:

1. Task Sheet: Micrometer
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ASSIGNMENTS:

1. Chapter crossword and word search puzzles from the website.
 2. Complete end of chapter quiz from the textbook.
 3. Complete multiple choice and short answer quizzes downloaded from the website.
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CLASS DISCUSSION:

1. Review and group discussion chapter [Frequently Asked Questions](#) and [Tech Tips](#) sections.
 2. Review and group discussion of the five (5) chapter [Review Questions](#).
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NOTES AND EVALUATION:
