

# Automotive Technology 7<sup>th</sup> Edition

## Chapter 31 – Engine Blocks

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Engine Blocks, Engine Block Service, and Block Preparation for Assembly
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#### **OBJECTIVES:**

1. Explain the construction of engine blocks.
  2. Explain the procedure for engine block service.
  3. Explain block preparation for assembly.
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#### **RESOURCES:** (All resources may be found at jameshalderman.com)

1. Task Sheet: Cylinder Block Specification and Measurement
  2. Task Sheet: Engine Block Inspection
  3. Task Sheet: Cylinder Bore Measurement
  4. Task Sheet: Cylinder Bore Deglazing
  5. Task Sheet: Camshaft Bearing Inspection
  6. Task Sheet: Piston-to-Bore Clearance
  7. Chapter PowerPoint
  8. Crossword Puzzle and Word Search
  9. Videos: [\(A1\) Engine Repair Videos](#)
  10. Animations: [\(A1\) Engine Repair Animations](#)
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#### **ACTIVITIES:**

1. Task Sheet: Cylinder Block Specification and Measurement
  2. Task Sheet: Engine Block Inspection
  3. Task Sheet: Cylinder Bore Measurement
  4. Task Sheet: Cylinder Bore Deglazing
  5. Task Sheet: Camshaft Bearing Inspection
  6. Task Sheet: Piston-to-Bore Clearance
  7. Crossword Puzzle and Word Search
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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:**

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