

# Automotive Technology 6<sup>th</sup> Edition

## Chapter 34 – Engine Blocks

### Lesson Plan



#### **CHAPTER SUMMARY:**

1. Engine blocks
  2. Engine block service
  3. 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 <http://www.jameshalderman.com>) Internet access required to hyperlink.

1. **Task Sheet ASE (A1-A-2) P-1:** Cylinder Block Specification/Measurement
  2. **Task Sheet ASE (A1-C-3) P-2:** Engine Block Inspection
  3. **Task Sheet ASE (A1-C-4) P-2:** Cylinder Bore Measurement
  4. **Task Sheet ASE (A1-C-5) P-2:** Cylinder Bore Deglazing
  5. **Task Sheet ASE (A1-C-6) P-3:** Camshaft Bearing Inspection
  6. **Task Sheet ASE (A1-C-11) P-2:** Piston-to-Bore Clearance
  7. Chapter PowerPoint
  8. Chapter 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 ASE (A1-A-2) P-1:** Have students complete Cylinder Block Specification/Measurement Task Sheet.
  2. **Task Sheet ASE (A1-C-3) P-2:** Have students complete Engine Block Inspection Task Sheets.
  3. **Task Sheet ASE (A1-C-4) P-2:** Have students complete Cylinder Bore Measurement Task Sheet.
  4. **Task Sheet ASE (A1-C-5) P-2:** Have students complete Cylinder Bore Deglazing Task Sheet.
  5. **Task Sheet ASE (A1-C-6) P-3:** Have students complete Camshaft Bearing Inspection Task Sheet.
  6. **Task Sheet ASE (A1-C-11) P-2:** Have students complete Piston-to-Bore Clearance Task Sheet.
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#### **ASSIGNMENTS:**

1. Chapter crossword and word search puzzles.
  2. Complete end of chapter 10 question quiz.
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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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