**Automotive Technology 6th 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](https://jameshalderman.com/a1_vid_lib_page/)

10. Animations: [(A1) Engine Repair Animations](https://jameshalderman.com/a1_anim_lib_page/)

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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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