

Automotive Technology 6th Edition

Chapter 100 – Brake Fluid and Lines

Lesson Plan



CHAPTER SUMMARY:

1. Brake fluid, brake fluid specifications, and brake fluid service procedures
 2. Rubber types and brake lines
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OBJECTIVES:

1. Discuss the purpose, function, and specifications of brake fluids.
 2. Describe brake service procedures and precautions.
 3. Discuss the types of rubber that are used in brake system components.
 4. Discuss the use of brake lines.
 5. This chapter will help prepare for the Brakes (A5) ASE certification test content area “A” (Hydraulic, Power Assist, and Parking Brake Systems Diagnosis and Repair).
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>)

1. **Task Sheet ASE** (A5-B-6) P-1, (A5-B-7) P-2, (A5-B-8) P-2: Brake Hoses and Lines
 2. **Task Sheet ASE** (A5-B-9) P-1, (A5-B-13) P-1: Brake Fluid
 3. Chapter PowerPoint
 4. Chapter Crossword Puzzle and Word Search
 5. Animations: SAE and ISO Flares
 6. Videos: Brake line flaring (time 8:05), Tubing flare (time 3:43), and Double flare (time 1:48)
 7. Videos: Brake hose (time 3:39), Brake hose (time 3:39), and Brake fluid contamination check (time 0:41)
 8. How To Replace Brake Hoses (time 22:38)
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ACTIVITIES:

1. **Task Sheet ASE** (A5-B-6) P-1, (A5-B-7) P-2, (A5-B-8) P-2: Have students complete Brake Hoses and Lines Task Sheet.
 2. **Task Sheet ASE** (A5-B-9) P-1, (A5-B-13) P-1: Have students complete Brake Fluid 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:
