**Automotive Technology 7th Edition**

**Chapter 106 – ABS Diagnosis and Service**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. ABS Fault Diagnosis, ABS Diagnosis, Wheel Speed Sensor Diagnosis, and Hydraulic ABS Service

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**OBJECTIVES:**

1. Explain the ABS diagnostic procedure.

2. Explain how to diagnose the OBD-II ABS system.

3. Explain how to diagnose wheel speed sensors.

4. List the steps in the hydraulic ABS service procedure. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**RESOURCES:** (All resources may be found at jameshalderman.com)

1. Task Sheet: Electronic Brake (ABS) Fault Diagnosis

2. Task Sheet: Depressurization of High-Pressure ABS

3. Task Sheet: Bleed ABS Hydraulic Circuits

4. Task Sheet: ABS Wheel Speed Sensor Testing

5. Task Sheet: Modified Vehicle ABS Problem Diagnosis

6. Crossword Puzzle and Word Search

7. Chapter PowerPoint

8. Videos: [(A5) Brakes Videos](https://jameshalderman.com/a5_vid_lib_page/)

9. Animations: [(A5) Brakes Animations](https://jameshalderman.com/a5_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Electronic Brake (ABS) Fault Diagnosis

2. Task Sheet: Depressurization of High-Pressure ABS

3. Task Sheet: Bleed ABS Hydraulic Circuits

4. Task Sheet: ABS Wheel Speed Sensor Testing

5. Task Sheet: Modified Vehicle ABS Problem Diagnosis

6. 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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