Automotive Chassis Systems 8th Edition
Chapter 19 – ABS Diagnosis and Service
Lesson Plan

CHAPTER SUMMARY:

1. ABS Fault Diagnosis, Retrieving ABS Codes on Older Vehicles, and ABS Diagnosis
2. Wheel Speed Sensor Diagnosis, Hydraulic ABS Service, and ABS Safety Precautions

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OBJECTIVES:

1. Explain the ABS diagnostic procedure and retrieval of diagnostic codes.
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.
5. Discuss ABS safety precautions.

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

1. Task Sheet: Electronic Brake (ABS) Component Inspection
2. Task Sheet: Electronic Brake (ABS) Fault Diagnosis
3. Task Sheet: Depressurization of High-Pressure ABS
4. Task Sheet: Bleed ABS Hydraulic Circuits
5. Task Sheet: ABS Wheel Speed Sensor Testing
6. Task Sheet: Modified Vehicle ABS Problem Diagnosis
7. Crossword Puzzle and Word Search
8. Videos: ASE A5 Brakes
9. Animations: ASE A5 Brakes

ACTIVITIES:

1. Task Sheet: Electronic Brake (ABS) Component Inspection
2. Task Sheet: Electronic Brake (ABS) Fault Diagnosis
3. Task Sheet: Depressurization of High-Pressure ABS
4. Task Sheet: Bleed ABS Hydraulic Circuits
5. Task Sheet: ABS Wheel Speed Sensor Testing
6. Task Sheet: Modified Vehicle ABS Problem Diagnosis

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.

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.

NOTES AND EVALUATION: