# **Automotive Chassis Systems 8th Edition** Chapter 12 – Drum Brake Diagnosis and Service **Lesson Plan**

### **CHAPTER SUMMARY:**

- 1. Drum Brake Diagnosis, Brake Drum Removal, and Drum Brake Disassembly
- 2. Inspecting the Backing Plate and Drum Brake Lining Inspection
- 3. Brake Spring Inspection, Wheel Cylinder Inspection, and Drum Brake Hardware Kit
- 4. Inspecting the Drum Brake Shoes and Brake Parts Cleaning
- 5. Lubrication Checklist and Reassembling the Drum Brake
- 6. Adjusting Drum Brake and Drum Brake Fault Symptom Guide



## **OBJECTIVES:**

- 1. Discuss the procedures recommended for drum brake diagnosis, removal, and disassembly.
- 2. Discuss the procedure for inspecting drum brake parts.
- 3. Describe how to clean, lubricate, reassemble, and adjust drum brake parts.
- 4. Describe the symptoms of a faulty drum brake.

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

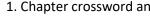
- 1. Task Sheet: Drum Brake Problem Diagnosis
- 2. Task Sheet: Drum Brake Service
- 3. Task Sheet: Install Wheel and Torque Lug Nuts
- 4. Crossword Puzzle and Word Search
- 5. Videos: ASE A5 Brakes
- 6. Animations: ASE A5 Brakes

**ACTIVITIES:** 1. Task Sheet: Drum Brake Problem Diagnosis



- 2. Task Sheet: Drum Brake Service
- 3. Task Sheet: Install Wheel and Torque Lug Nuts

**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:**



