**Automotive Technology 7th Edition**

**Chapter 49 – Starting System Parts and Operation**

**Lesson Plan**

**CHAPTER SUMMARY:**

1. Cranking Circuit, Push Button Start, Starter Motor Operation, and Starter Motor Components

2. Gear-Reduction Starters, Starter Drives, Starter Solenoids, and Stop-Start Systems

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**OBJECTIVES:**

1. Describe the parts and operation of a cranking circuit and explain push button starting.

2. Discuss starter motor operation.

3.Explain the components of a starter motor.

3. Describe gear reduction starters.

4. Describe the function of starter drives and solenoids.

5. Discuss start-stop system operation. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

1. Task Sheet: Cranking System Identification

2. Chapter PowerPoint

3. Crossword Puzzle and Word Search

4. Videos: [(A6) Electrical/Electronic Systems Videos](https://jameshalderman.com/a6_vid_lib_page/)

5. Animations: [(A6) Electrical/Electronic Systems Animations](https://jameshalderman.com/a6_anim_lib_page/)

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**ACTIVITIES:**

1. Task Sheet: Cranking System Identification

2. 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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