

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



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](#)
5. Animations: [\(A6\) Electrical/Electronic Systems Animations](#)



ACTIVITIES:

1. Task Sheet: Cranking System Identification
2. Crossword Puzzle and Word Search



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: