

Automotive Electrical and Engine Performance - 9th edition

Ch19: Security and Immobilizer Systems

Lesson Plan



CHAPTER SUMMARY:

1. Vehicle Security Systems, Immobilizer Systems, Chrysler Immobilizer System, and Ford PATS System
2. GM Antitheft System and Testing Immobilizer Systems

OBJECTIVES:



1. Describe the purpose and function of a security system.
2. Explain how an immobilizer system works and the major components involved.
3. Describe the types of immobilizer systems used by Chrysler.
4. Describe the types of immobilizer systems used by Ford.
5. Describe the types of immobilizer systems used by General Motors.
6. Explain how to diagnosis a fault with an immobilizer system.
7. Explain the operation of a push button start system.

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



1. Task Sheet: Keyless Entry and Anti-Theft Diagnosis
2. Crossword Puzzle and Word Search
3. Videos: (A6) Electrical/Electronic Systems Videos
4. Animations: (A6) Electrical/Electronic Systems Animations

ACTIVITIES:



1. Task Sheet: Keyless Entry and Anti-Theft Diagnosis
2. Crossword Puzzle and Word Search
3. Chapter PowerPoint
4. 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. Ten (10) question end of [Chapter Quiz](#).
3. Five (5) end of chapter [Review Question](#) for class discussion.

NOTES AND EVALUATION:

