

Automotive Electrical and Engine Performance - 9th edition

Ch22: Audio System Operation and Diagnosis

Lesson Plan



CHAPTER SUMMARY:

1. Audio Fundamentals, Radios and Receivers, Antennas, Speakers, Speaker Types, and Sound Levels
2. Voice Recognition, Bluetooth, and Satellite Radio

OBJECTIVES:



1. Discuss audio system fundamentals.
2. Describe radios and receivers.
3. Describe types of antennas and antenna testing.
4. Discuss the purpose and function of speakers.
5. Describe types of speakers.
6. Explain the decibel scale.
7. Discuss voice recognition systems.
8. Explain how Bluetooth systems work.
9. Explain how satellite radio systems work.

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



1. Task Sheet: Radio 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: Radio 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:

