

Automotive Technology 7th Edition

Chapter 59 – Audio System Operation and Diagnosis

Lesson Plan



CHAPTER SUMMARY:

1. Audio Fundamentals, Radios and Receivers, Antennas, Antenna Diagnosis, and Speakers
2. Speaker Types, Sound Levels, 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. 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: Radio Diagnosis
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: