### Audio System Operation And Diagnosis
Chapter 28

**ACROSS**

4. All speakers used on the same radio or amplifier should have the same internal coil resistance, called _________.

6. A ____-____ ______ is used to transfer higher frequency to smaller speakers.

8. _________ is the number of times a particular waveform repeats itself in a given amount of time.

13. A___________ is the time and distance between two consecutive points, either high or low.

14. A_______ produces the lowest frequency of sounds, usually 125 Hz and lower.

15. __________ _________ waves are radio waves that have amplitude that can be varied, transmitted, and detected by a receiver.

**DOWN**

1. __________ use an external power source and produce superior performance.

2. Be careful when installing additional audio equipment on a GM vehicle system that uses a two-wire speaker connection called a ________ __________.

3. A_______ is a measure of sound power, and it is the faintest sound a human can hear in the midband frequencies.

5. Frequency is measured in ________.

7. A___________ is designed to separate the frequency of a sound and send a certain frequency range, such as low bass sounds, to a woofer designed to reproduce these low-frequency sounds.

9. _________ is the term used to describe when information is added to a constant frequency.

10. When a high-frequency signal is transmitted through a wire, the majority of it travels on the outside surface of the wire, his is called ________.

11. The purpose of any _________ is to reproduce the original sound as accurately as possible.

12. A_______ is a speaker designed to reproduce high-frequency sounds, usually between 4,000 and 20,000 Hz.