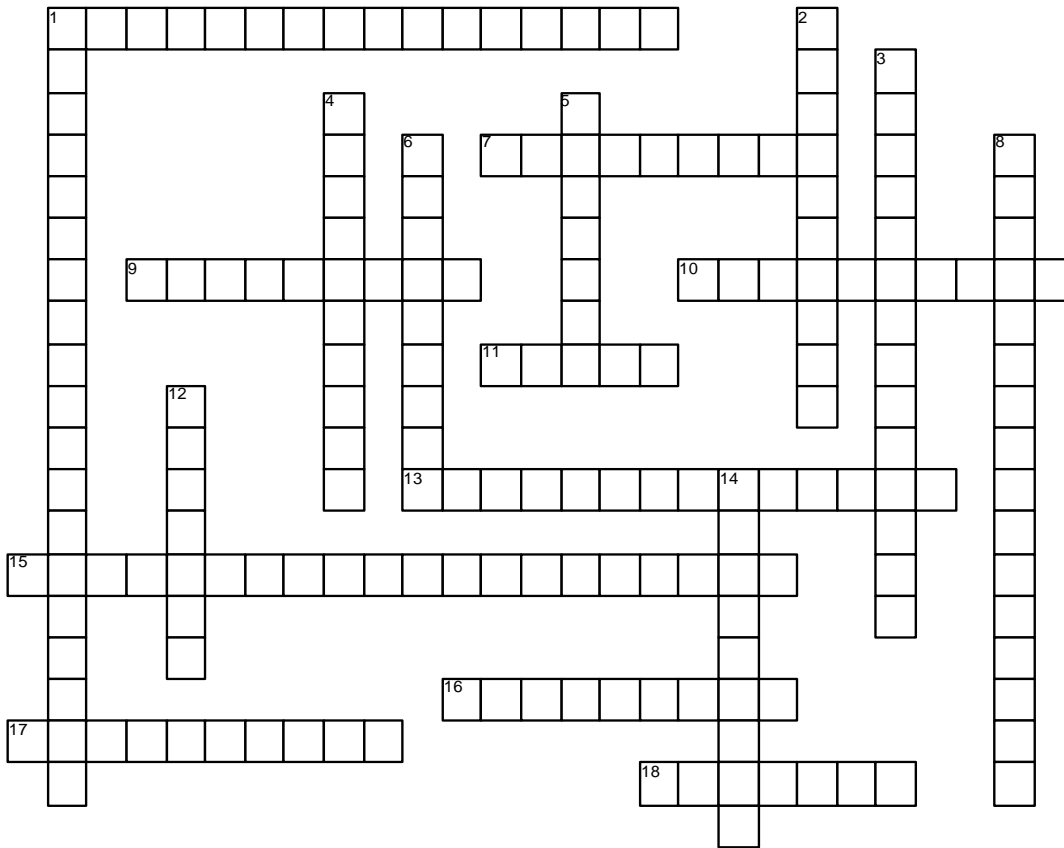


# Audio System Operation And Diagnosis

## Chapter 62



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### ACROSS

- 1 \_\_\_\_\_ use an external power source and produce superior performance.
- 7 All speakers used on the same radio or amplifier should have the same internal coil resistance, called \_\_\_\_\_.
- 9 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.
- 10 When a high-frequency signal is transmitted through a wire, the majority of it travels on the outside surface of the wire, this is called \_\_\_\_\_.
- 11 Frequency is measured in \_\_\_\_\_.
- 13 A \_\_\_\_\_ is used to transfer higher frequency to smaller speakers.
- 15 Be careful when installing additional audio equipment on a

GM vehicle system that uses a two-wire speaker connection called a \_\_\_\_\_.

- 16 A \_\_\_\_\_ produces the lowest frequency of sounds, usually 125 Hz and lower.
- 17 \_\_\_\_\_ is the term used to describe when information is added to a constant frequency.
- 18 A \_\_\_\_\_ is a measure of sound power, and it is the faintest sound a human can hear in the midband frequencies.

### DOWN

- 1 \_\_\_\_\_ waves are radio waves that have amplitude that can be varied, transmitted, and detected by a receiver.
- 2 A \_\_\_\_\_ is the time and distance between two consecutive points, either high or low.
- 3 \_\_\_\_\_ is the number

of times a particular waveform repeats itself in a given amount of time.

- 4 A \_\_\_\_\_ is a coil of wire and can reduce or eliminate radio interference.
- 5 The purpose of any \_\_\_\_\_ is to reproduce the original sound as accurately as possible.
- 6 \_\_\_\_\_ is a (radio frequency) standard for short-range communications. Typical range is up to 33 feet.
- 8 \_\_\_\_\_ allows the driver to perform task, such as locate an address in a navigation system by using voice commands.
- 12 A \_\_\_\_\_ is a speaker designed to reproduce high-frequency sounds, usually between 4,000 and 20,000 Hz.
- 14 \_\_\_\_\_ is the number of times a particular waveform repeats itself in a given amount of time.