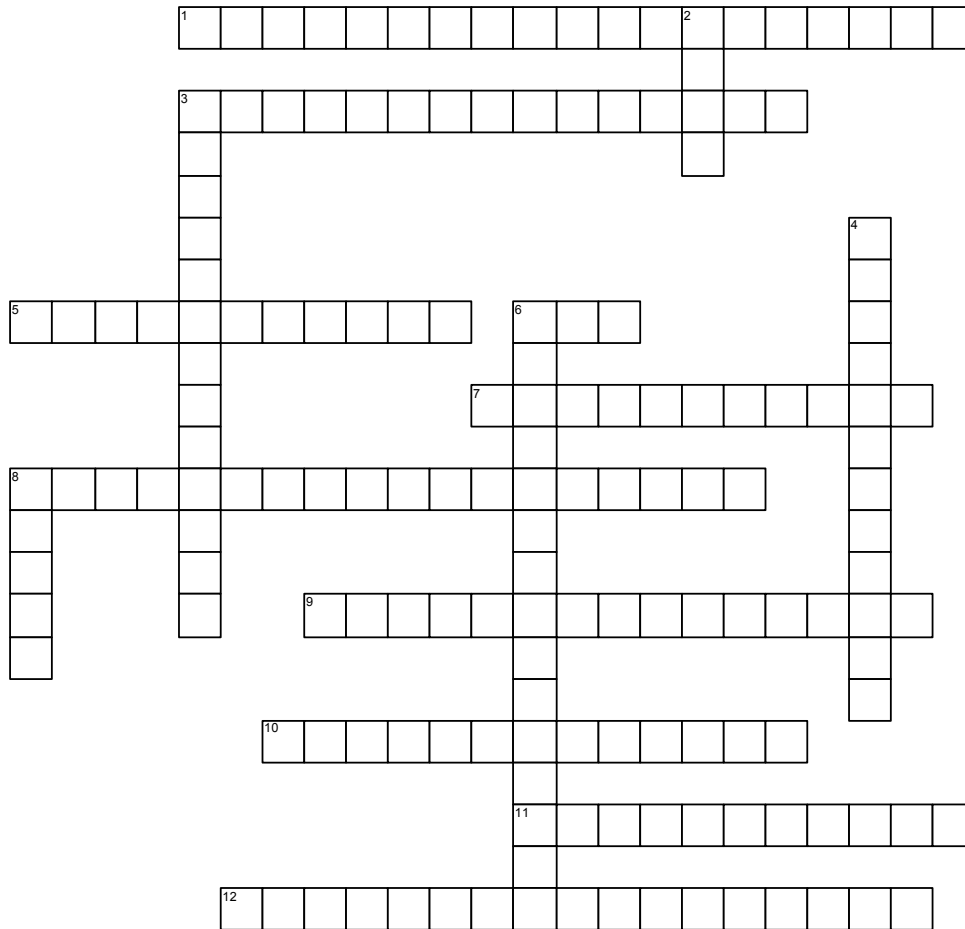


Lighting Systems

Chapter 25



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ACROSS

- 1 _____ are constructed using a replaceable bulb and a fixed lens cover that is part of the vehicle.
- 3 Because exterior lights can easily drain the battery if accidentally left on, many newer vehicles control these lights through _____.
- 5 _____ use a separate brake light bulb, or the high-intensity filament of a double-filament bulb.
- 6 _____ headlights produce a distinctive blue-white light that is crisper, clearer, and brighter than light produced by a halogen headlight.
- 7 The trade number also identifies the size, shape, number of filaments, and amount of light produced, measured in _____.
- 8 The _____ is a device that combines the functions of a turn signal flasher and a hazard warning flasher into one package, which often uses three electrical terminals.
- 9 _____ are another name for HID headlights.
- 10 The _____ flasher is a device installed in a vehicle lighting system with the primary function of causing both the left and right turn signal lamps to flash at the same time when the hazard warning switch is activated.
- 11 The number used to identify automotive bulbs is called the bulb _____.
- 12 Some vehicles are equipped with _____, which use a shutter to block some of the lights during low-beam operation and then mechanically move to expose more of the light from the bulb for high-beam operation.

DOWN

- 2 Studies have shown that _____ have reduced accidents where used.
- 3 _____ is a generic term primarily used for interior lights, including overhead and under-the-dash lights.
- 4 The _____ allows current to flow to either the high-beam or the low-beam filament of the headlight bulb.
- 6 Exterior lighting is controlled by the _____, which is connected directly to the battery on vehicles that are not controlled by the body computer to control the lights.
- 8 Since 1986, all vehicles sold in the US have a third brake light commonly referred to as the _____.