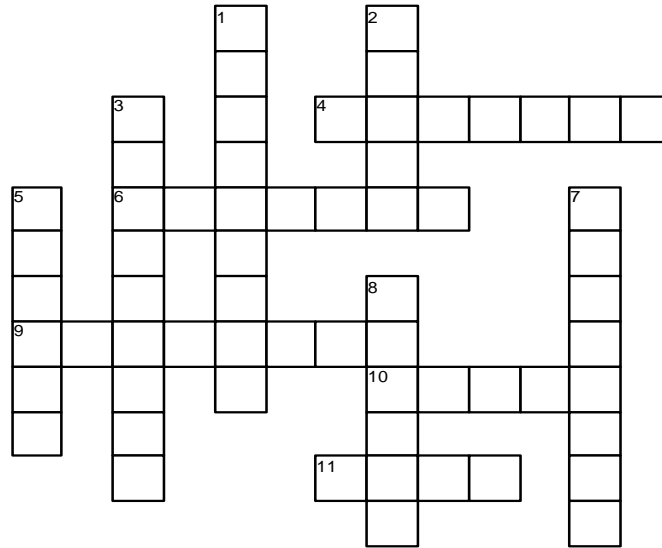


Automotive Electrical and Engine Performance 9th Edition Chapter 17 - Lighting and Signal Circuits



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ACROSS

- 4** _____ running lights (DRLs): Lights that remain on whenever the engine is running to increase vehicle visibility during daylight hours.
- 6** _____ effect: A visual phenomenon where static objects in the peripheral vision fade from awareness, highlighting the need for certain lighting features to maintain attention.
- 9** _____ front lighting system (AFS): A system that adjusts the direction and range of headlights according to vehicle speed and steering input to improve visibility.
- 10** _____-emitting diode (LED): A highly efficient light source used in vehicle lighting systems for faster illumination, longer life, and lower power consumption.
- 11** _____-intensity discharge (HID): A type of headlight that produces brighter light using an electric arc rather than a filament, offering improved visibility.

DOWN

- 1** _____ headlight: A type of headlight assembly that allows individual replacement of bulbs, reducing maintenance costs.
- 2** _____ number: A standardized number used to identify automotive bulbs, ensuring compatibility across different manufacturers.
- 3** _____ headlights: Headlights that automatically turn on when the light sensor detects low ambient light levels, ensuring optimal visibility without manual operation.
- 5** _____ warning: A system that activates all turn signal lights simultaneously to alert other drivers of a vehicle's emergency or breakdown situation.
- 7** _____ lights: Interior lights that illuminate automatically when doors are opened or unlocked, providing visibility inside the vehicle.
- 8** A unit of measurement for the color temperature of light, with higher values indicating cooler, bluish light and lower values indicating warmer, yellowish light.