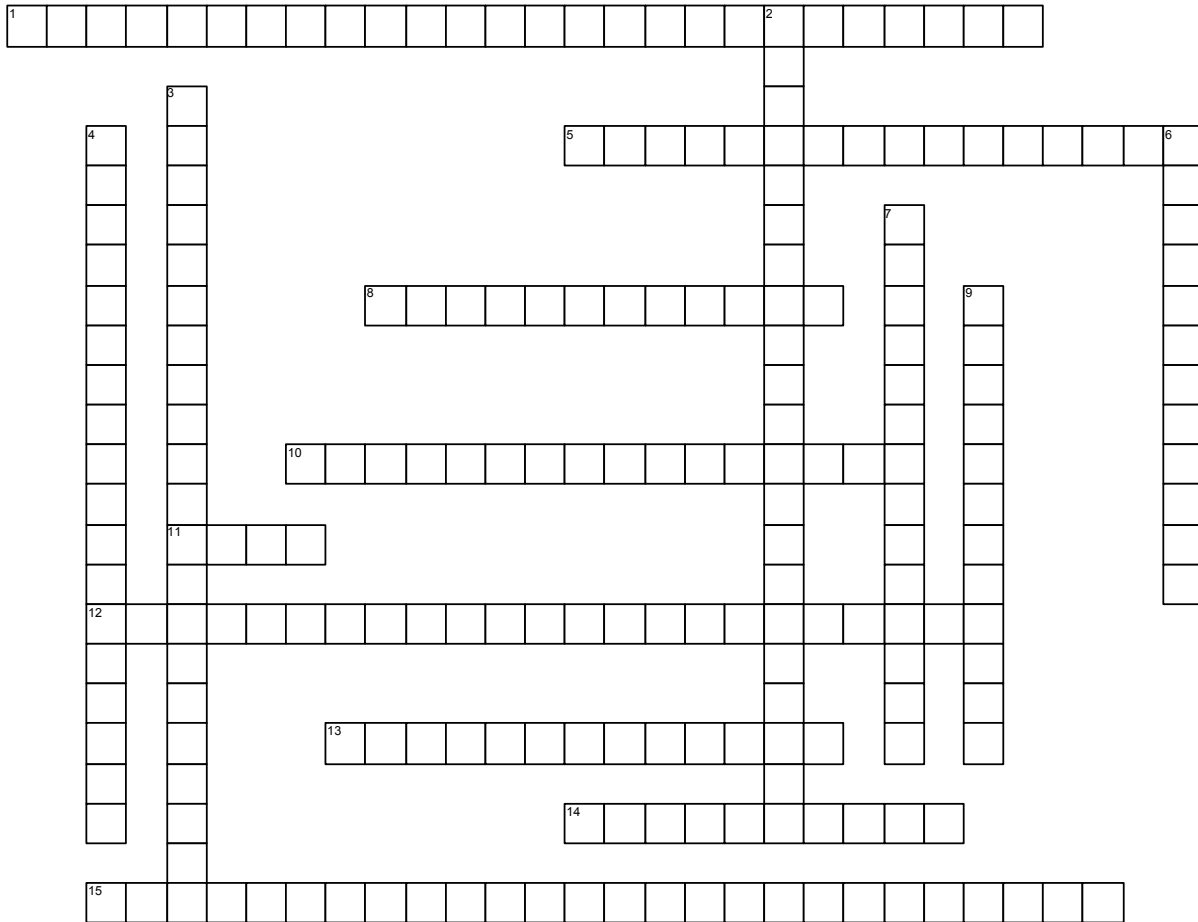


# Driver Information And Navigation Systems

## Chapter 33



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### ACROSS

- 1 The switch that operates the warning lamp is called a \_\_\_\_\_.
- 5 Electronic \_\_\_\_\_ use the voltage changes from variable-resistance sensors, such as that of the fuel gauge, to determine fuel level.
- 8 Speed sensors are commonly called \_\_\_\_\_.
- 10 The pressure differential switch is usually the center portion of a multipurpose brake part called a \_\_\_\_\_.
- 11 The \_\_\_\_\_ uses cameras to detect if the vehicle is

crossing over lane marking lines on the pavement.

- 12 The \_\_\_\_\_ uses 24 satellites in orbit around the earth to provide signals for navigation devices.
- 13 The \_\_\_\_\_ is a supplemental display that projects the vehicle speed and sometimes other data, such as turn signal information, onto the windshield.
- 14 When a vehicle equipped with a digital dash is started, all segments of the electronic display are turned on at full brilliance for 1 or 2 seconds; this is commonly called the \_\_\_\_\_.

- 15 Cold \_\_\_\_\_

\_\_\_\_\_ models are used by many vehicle manufacturers for backlighting.

### DOWN

- 2 \_\_\_\_\_ can be arranged into a variety of forms, letters, numbers, and bar graph displays.
- 3 The \_\_\_\_\_ display is a popular automotive and household appliance display because it is very bright and can easily be viewed in strong sunlight.
- 4 All diodes emit some form of energy during operation;

the \_\_\_\_\_ is a semiconductor that is constructed to release energy in the form of light.

- 6 A \_\_\_\_\_ is a type of electric motor that is designed to rotate in small steps based on the signal from a computer.
- 7 A \_\_\_\_\_ dash display, which is similar to a television tube or LCD display, permits the display of hundreds of controls and diagnostic messages in one convenient location.
- 9 A \_\_\_\_\_ is used to display the area at the rear of the vehicle in a screen display on the dash when the gear selector is placed in reverse.