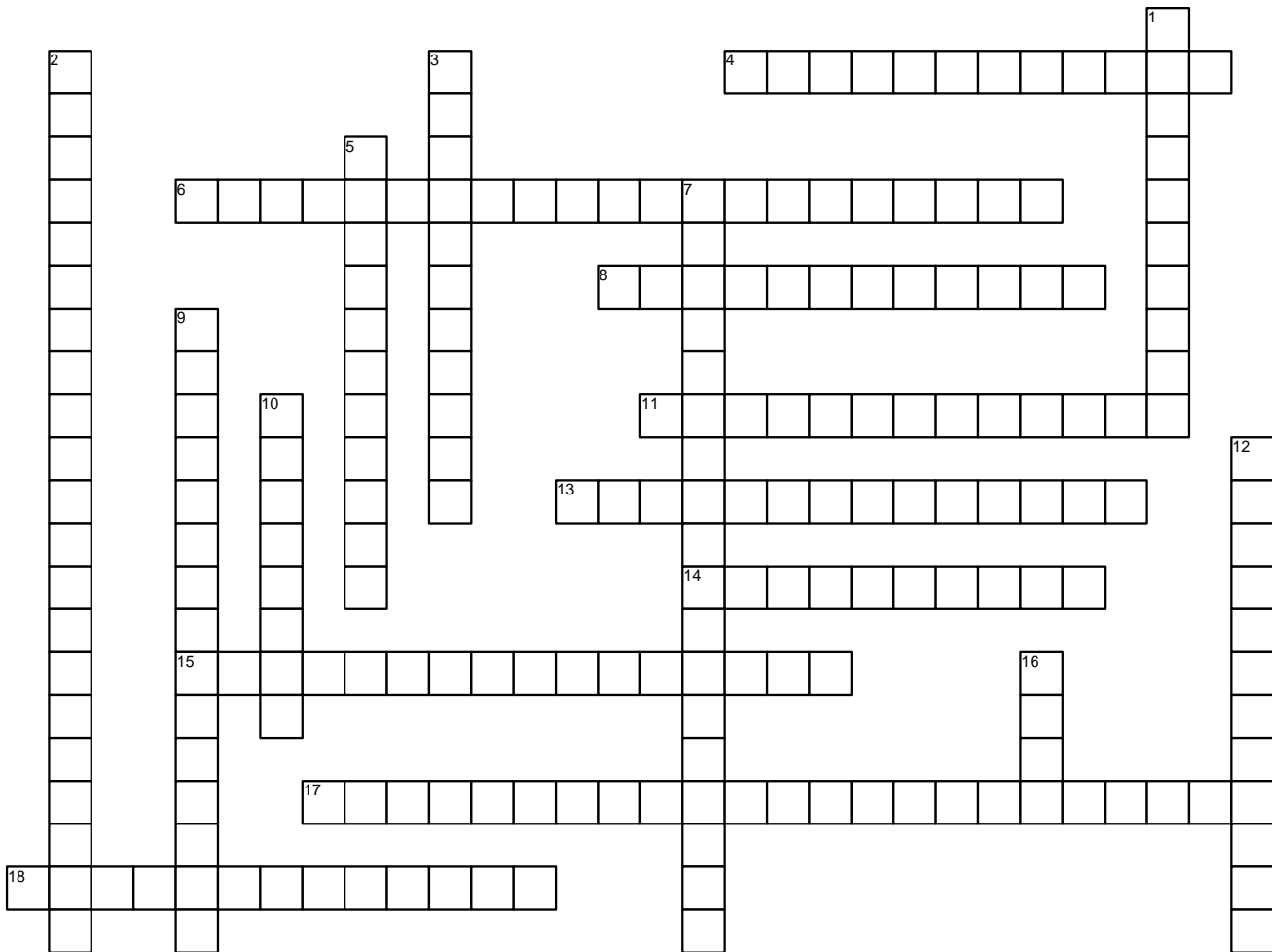


# Driver Information And Navigation Systems

## Chapter 57



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### ACROSS

- 4 A \_\_\_\_\_ is a type of electric motor that is designed to rotate in small steps based on the signal from a computer.
- 6 \_\_\_\_\_ can be arranged into a variety of forms, letters, numbers, and bar graph displays.
- 8 Speed sensors are commonly called \_\_\_\_\_.
- 11 The \_\_\_\_\_ is a supplemental display that projects the vehicle speed and sometimes other data, such as turn signal information, onto the windshield.
- 13 A \_\_\_\_\_ uses numbers to indicate values, such as vehicle speed.
- 14 \_\_\_\_\_ is an interconnected system that combines telecommunications and GPS navigation system technology.
- 15 Electronic \_\_\_\_\_ use the

voltage changes from variable-resistance sensors, such as that of the fuel gauge, to determine fuel level.

- 17 The \_\_\_\_\_ uses 24 satellites in orbit around the earth to provide signals for navigation devices.
- 18 An \_\_\_\_\_ uses a needle to show the values, such as engine RPM.

### DOWN

- 1 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 \_\_\_\_\_.
- 2 The \_\_\_\_\_ display is a popular automotive and household appliance display because it is very bright and can easily be viewed in strong sunlight.
- 3 \_\_\_\_\_ is a dash display usually

LCD, that allows the driver to use a finger to perform functions that are displayed on the screens.

- 5 \_\_\_\_\_ systems use a camera capable of observing object in the dark.
- 7 All diodes emit some form of energy during operation; the \_\_\_\_\_ is a semiconductor that is constructed to release energy in the form of light.
- 9 \_\_\_\_\_ or voice commands are used to perform various functions or setting in the vehicle.
- 10 A \_\_\_\_\_ is performed when the ignition is first turned on.
- 12 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.
- 16 The \_\_\_\_\_ uses cameras to detect if the vehicle is crossing over lane marking lines on the pavement.