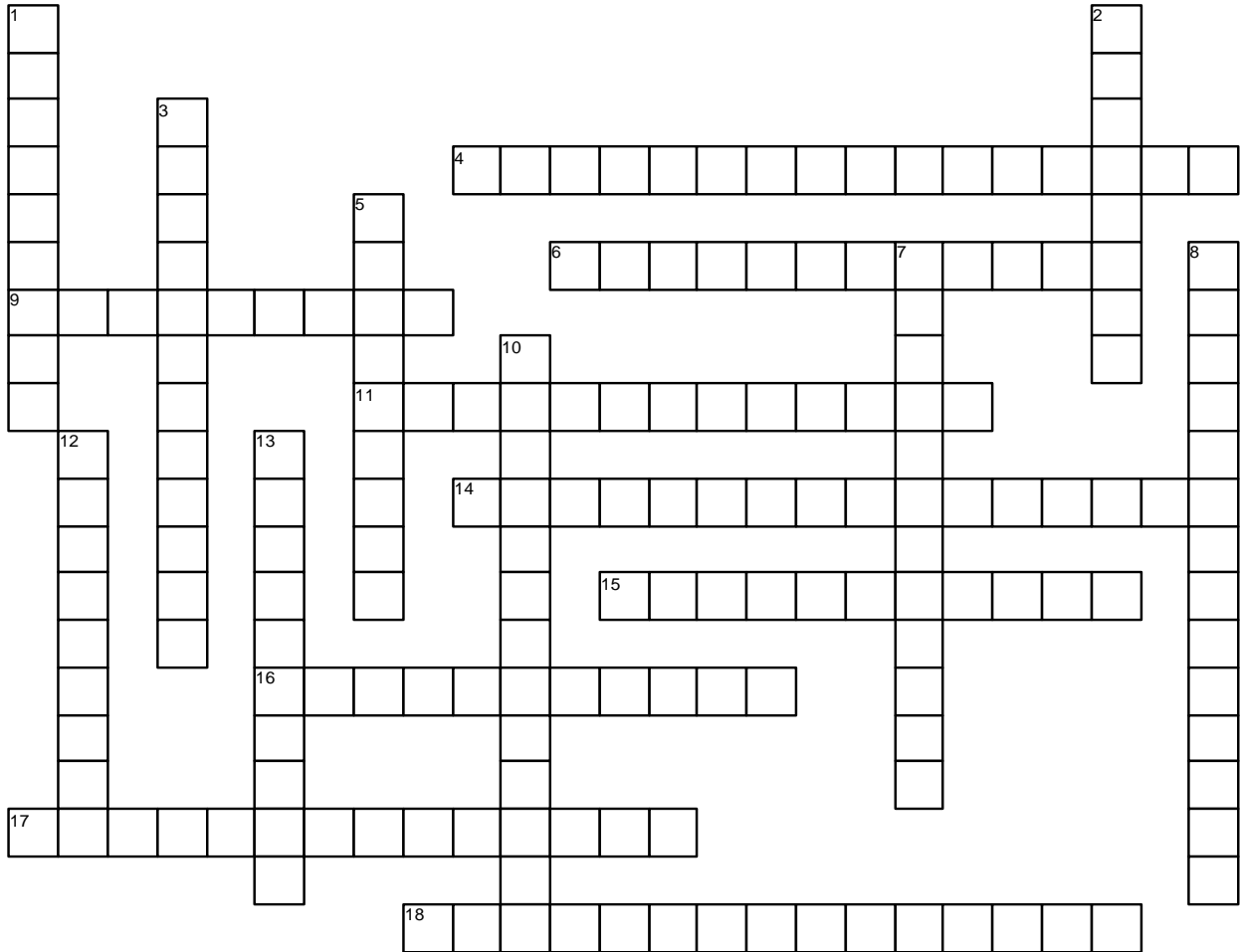


# Advanced Driver Assist Systems (ADAS)

## Chapter 58



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### ACROSS

- 4 \_\_\_\_\_ advice uses a sign recognition camera or a navigation system (GPS) to determine the speed limit, which is used to warn the driver of the posted speed limit.
- 6 \_\_\_\_\_-\_\_\_\_\_ interface was very basic in the past because the vehicles were equipped with speedometers, fuel level gauge, engine coolant temperature, and oil pressure to let the driver know what the vehicle was doing.
- 9 An \_\_\_\_\_ emergency braking system intervenes and automatically applies the brakes if needed.
- 11 The term for ACC for BMW and Toyota/Lexus is \_\_\_\_\_ control.
- 14 A \_\_\_\_\_-\_\_\_\_\_ warning system sounds an audible warning when a vehicle is crossing at the rear while backing.
- 15 \_\_\_\_\_ of the radar is required anytime the unit is replaced or reinstalled.
- 16 \_\_\_\_\_-\_\_\_\_\_ vehicles use camera(s) and control the electric power steering to guide the vehicle into a parking space.
- 17 \_\_\_\_\_ control gives the driver more control over the vehicle by keeping an assured clear distance behind the vehicle in front.
- 18 \_\_\_\_\_ parking sensors detect when a vehicle is moving slowly and toward an object. Once detected, the sensor continues to give signal of presence of the obstacle.

### DOWN

- 1 The \_\_\_\_\_ assist feature allows the driver to launch his vehicle without a rollback while moving the foot from the brake pedal to the accelerator pedal.
- 2 The purpose of \_\_\_\_\_ assist is not only to warn the driver if the vehicle is moving out of the lane of traffic, but when no response, to also automatically use the electric power steering system to steer the vehicle back into the lane.
- 3 The purpose and function of a \_\_\_\_\_ system is to monitor the road ahead and prepare to avoid a collision, and to protect the driver and passengers.
- 5 The \_\_\_\_\_ monitor is a vehicle-based sensor device that detects other vehicles located to the side and rear of the vehicle.
- 7 A \_\_\_\_\_ alert will sound an alarm when backing out of a parking space and traffic is approaching from either side.
- 8 \_\_\_\_\_ assist systems are designed as a driver aid and are not intended to replace the driver.
- 10 The \_\_\_\_\_ warning system uses cameras to detect if the vehicle is crossing over lane marking lines on the pavement.
- 12 Cadillac's name for their BSM is \_\_\_\_\_ Zone Alert.
- 13 \_\_\_\_\_ object sensors are used to measure the distances to nearby objects and are built into the fender, and front and rear bumper assembly.