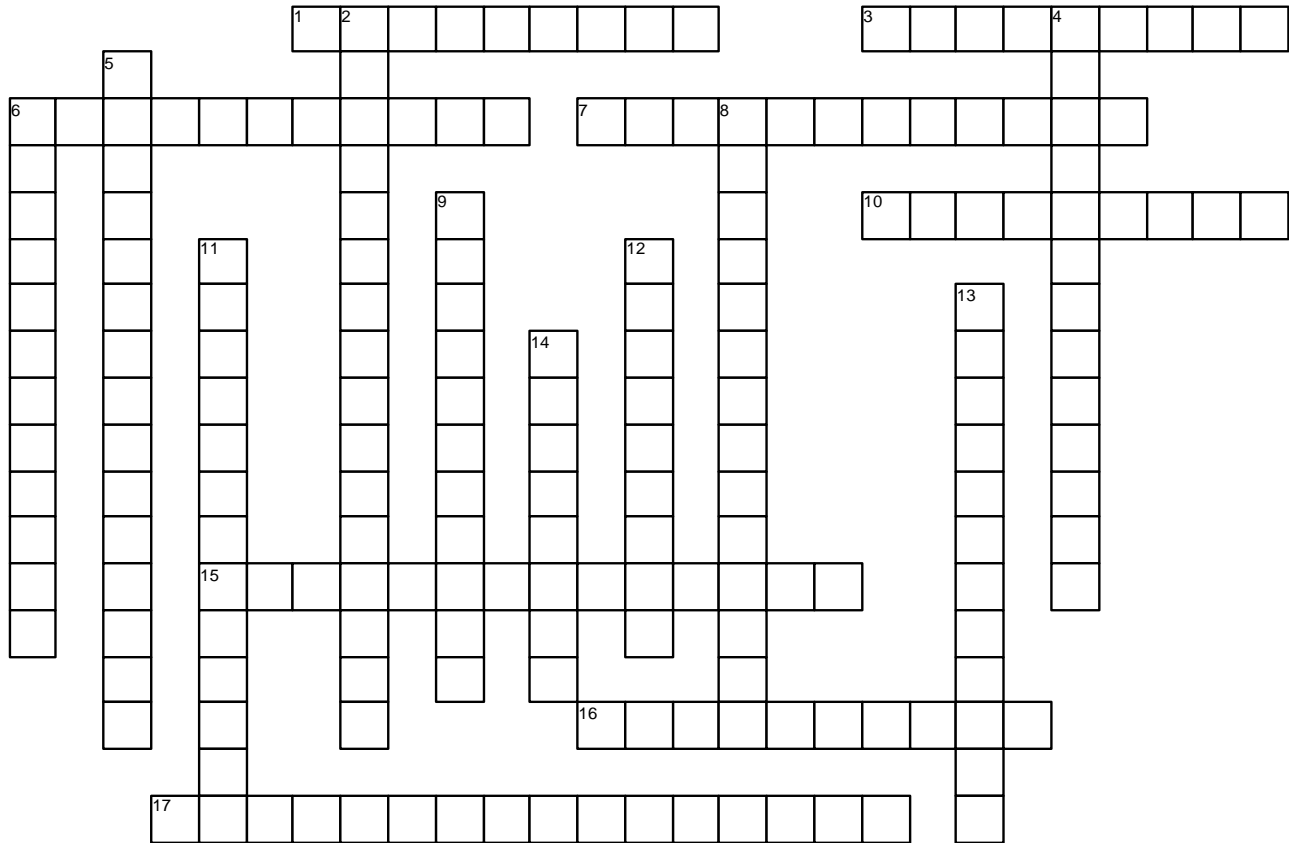


Advanced Driver Assist Systems (ADAS)

Chapter 29



<http://jameshalderman.com>

ACROSS

- 1 Cadillac's name for their BSM is _____ Zone Alert.
- 3 The _____ monitor is a vehicle-based sensor device that detects other vehicles located to the side and rear of the vehicle.
- 6 _____ of the radar is required anytime the unit is replaced or reinstalled.
- 7 _____ - _____ 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.
- 10 An _____ emergency braking system intervenes and automatically applies the brakes if needed.
- 15 _____ control gives the driver more control over the vehicle by keeping an assured clear distance behind the vehicle in front.
- 16 _____ object sensors are used to measure the distances to nearby objects and are built into the fender, and front and rear bumper assembly.
- 17 A _____ - _____ warning system sounds an audible warning when a vehicle is crossing at the rear while backing.

DOWN

- 2 _____ 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.

- 4 The term for ACC for BMW and Toyota/Lexus is _____ control.
- 5 _____ 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.
- 6 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.
- 9 _____ - _____ vehicles use camera(s) and control the electric power steering to guide the vehicle into a parking space.
- 11 The _____ warning system uses cameras to detect if the vehicle is crossing over lane marking lines on the pavement.
- 12 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.
- 13 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.
- 14 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.