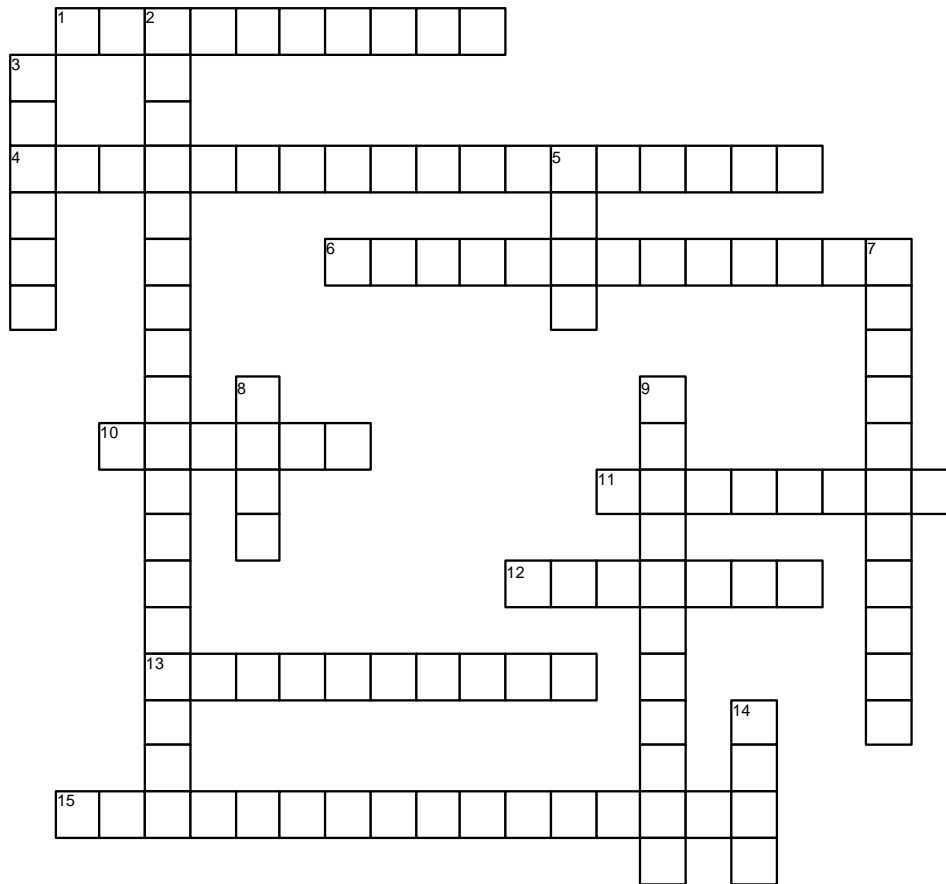


Immobilizer Systems

Chapter 59



<http://jameshalderman.com>

ACROSS

- 1 In _____ mode a fault with the security system occurs when the vehicle is running, the security light remains on, but the immobilizer system is disabled.
- 4 The _____ part of the key fob does not require a battery to function.
- 6 The _____ includes a self-test and flashes a few times, then goes out.
- 10 A _____ is the object that is a decoration on a key ring and usually contains a transmitter used to unlock a vehicle.
- 11 _____ truck systems use a Hall-effect sensor and magnets in the lock cylinder with a conventional key.
- 12 Newer systems include the _____ 1 and Passkey 2 which use a resistor pellet in the ignition key.
- 13 In _____ the security lamp flashes about once per second if the system detects a bad key, lock cylinder, or security-related wiring problem.
- 15 Ford uses a responder key for their anti theft system, which is called _____ System (PATS).

DOWN

- 2 _____ prevent the vehicle from being started if the correct ignition key is not used.
- 3 In _____ mode the security dash lamp comes on for 2 to 5 seconds for a bulb check when the ignition is turned on, then goes out.
- 5 In _____'s the onboard computer sends out an RF signal that is read by the electronic transponder chip embedded in the key. The transponder returns a unique signal back to the SKIM.
- 7 A _____ is inside the vehicle and receives the signal transmitted by the transponder in the key.
- 8 Most security systems today use a _____ security system.
- 9 The _____ is mounted in the key or the body of the key fob. It has an antenna, which consist of a coil of wire as well as a circuit board.
- 14 The abbreviation for Vehicle Antitheft System used by General Motors is _____.