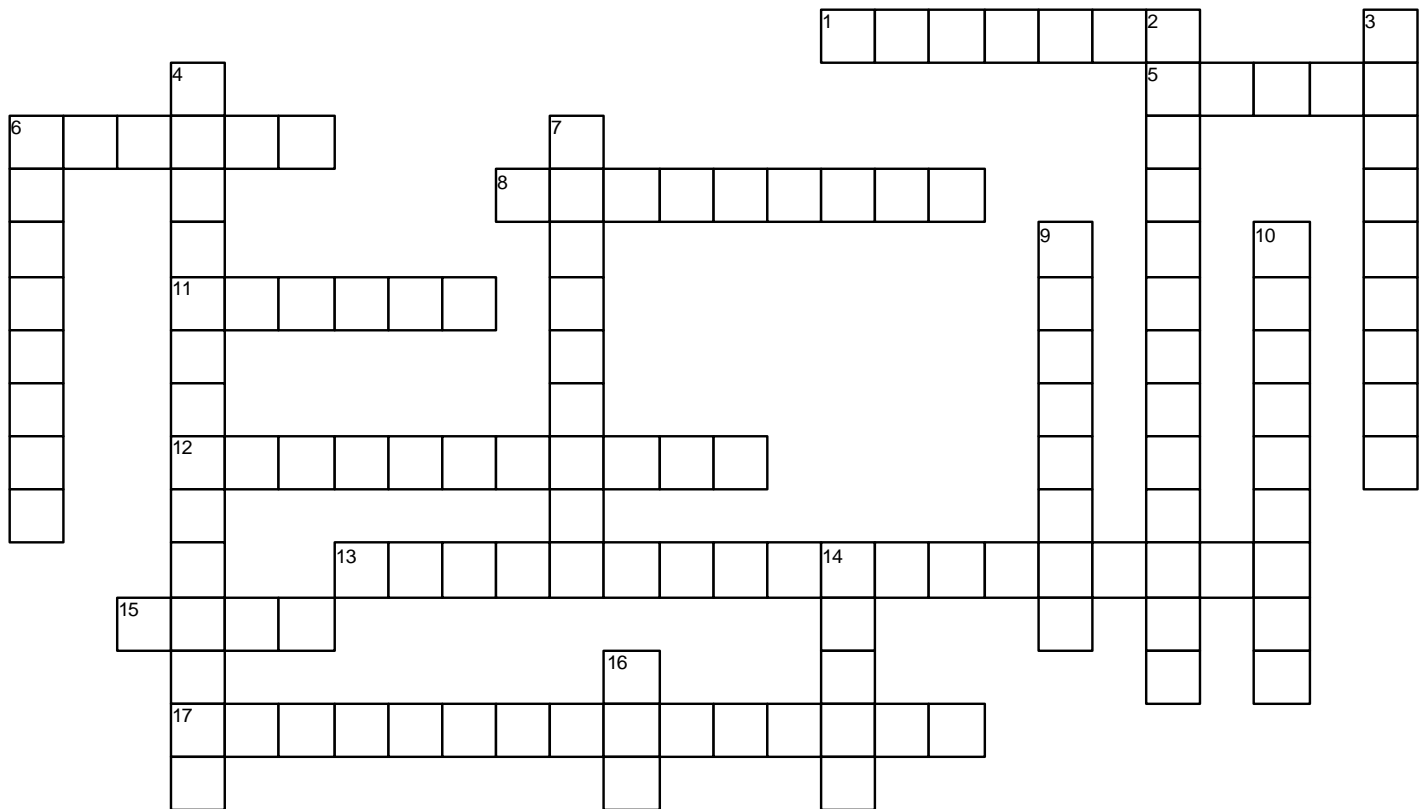


Advanced AC and DC Electricity

Chapter 8



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ACROSS

- 1 ___-___ reprogramming of the controller is defined as having the module connected to the vehicle during the process.
- 2 The current flow through the PDU is controlled by six insulated-gate bipolar transistors abbreviated ____.
- 3 A _____ is defined as a unit of resistance, equal to one million ohms MO using an uppercase M and an abbreviation meg.
- 4 _____ is a form of energy that is caused by the motion of electrons in some materials.
- 5 _____ programming is a relatively new process. The servicing facility does not perform the reprogramming of the vehicle. Instead, the shop simply plugs in the equipment and follows the instructions of someone who is at a distant location.
- 6 order to obtain this information, the shop or service technician must be a registered vehicle security professional and have a _____ number.
- 7 Electric charge in _____ (AC) changes direction periodically.
- 8 A _____ is a unit of electrical power represented by a current of 1 ampere through a circuit with a potential difference of 1 volt.
- 9 This creation of a voltage (electricity) in a conductor by a moving magnetic field is called _____ induction.

DOWN

- 1 In _____ (DC), the electric charge (current) only flows in one direction.
- 2 The loss of _____ test is performed to detect unwanted continuity between the high-voltage system and the chassis ground.
- 3 Robert Bosch Corporation developed the _____ Network (CAN) protocol, which was called CAN 1.2, in 1993.
- 4 _____ is defined as one thousandth of an ohm, abbreviated as mO with a lowercase m.
- 5 A _____ can be used in parallel to a coil to reduce the resulting voltage spike that occurs when the circuit is opened.
- 6 ___-___ programming of the controller is defined as having the module programmed someplace other than in the vehicle.
- 7 Engine power is commonly rated in watts or _____ (1,000 watts equal 1 kilowatt), because 1 horsepower is equal to 746 watts.
- 8 The National Automotive Service Task Force abbreviated ___ ___ is a cooperative effort of the automotive service industry, the tool industry, and the original equipment manufacturers to ensure that automotive professionals employed outside of the OEMs have all the information, training, and tools they need to diagnose and repair modern automobiles.
- 9 ___ J2534 4 is a standard for communications between a computer and a vehicle.