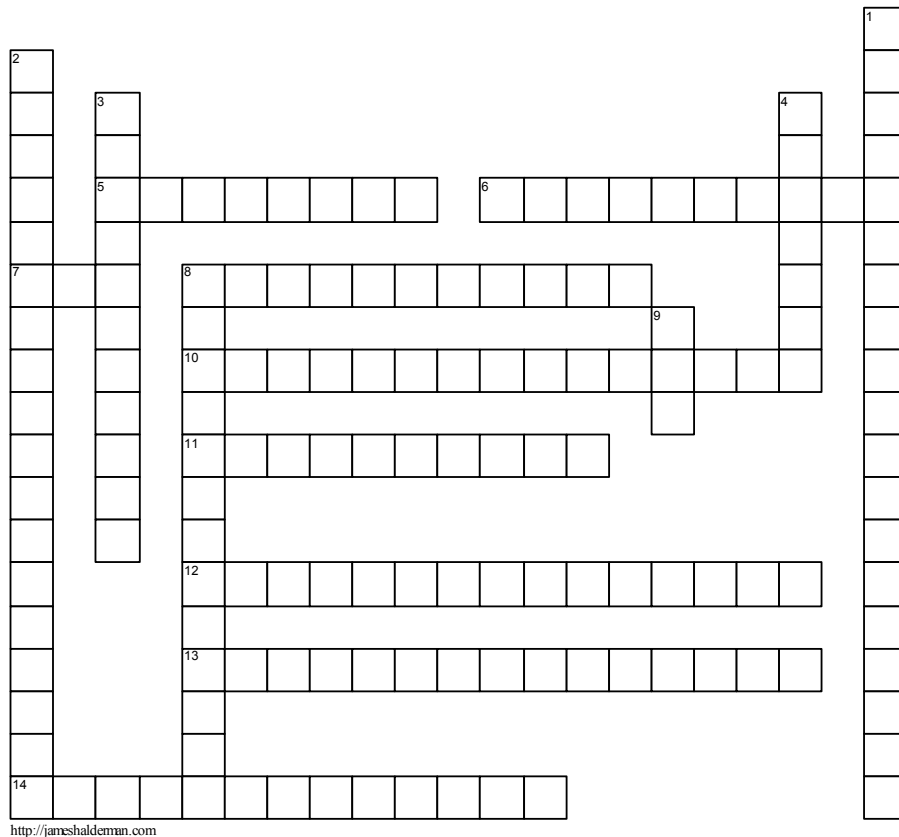


Engine Starting and Charging Systems

Chapter 17



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ACROSS

- 5 One method to determine the condition of any battery is the _____.
- 6 The battery is a voltage stabilizer because it acts as a reservoir where large amounts of current can be removed quickly during starting and replaced gradually by the _____ during charging.
- 7 Try to purchase a battery that offers the highest _____ for the money.
- 8 Another name for the rear housing is the _____ - _____ - _____.
- 10 The _____ rating for batteries is the number of minutes for which the battery can produce 25 amperes and still have a battery voltage of 1.75 volts per cell.
- 11 The _____ - _____ is how many amperes can be discharged from the battery before dropping to 10.5 volts over a 20 hour period.
- 12 _____ are not the same as CCA, but are often advertised and labeled on batteries.
- 13 _____ is the AC part of the DC charging voltage produced by the alternator.
- 14 If the _____ of a battery is low, it must be recharged.

DOWN

- 1 Many automobile manufacturers use a _____ that opens the circuit between the ignition switch and the starter to prevent starter motor operation unless the gear selector is in neutral or park.
- 2 GM and other manufacturers specify that a _____ be used to test batteries in vehicles still under factory warranty.
- 3 _____ is the drop in voltage that occurs when current is flowing through resistance.
- 4 The primary purpose of an automotive _____ is to provide a source of electrical power for starting and for electrical demands that exceed alternator output.
- 8 A _____ is a charge of higher-than-normal voltage that is only on the surface of the battery plates.
- 9 _____ rating is similar to the cranking amperes rating and is tested at 32°F (0°C).