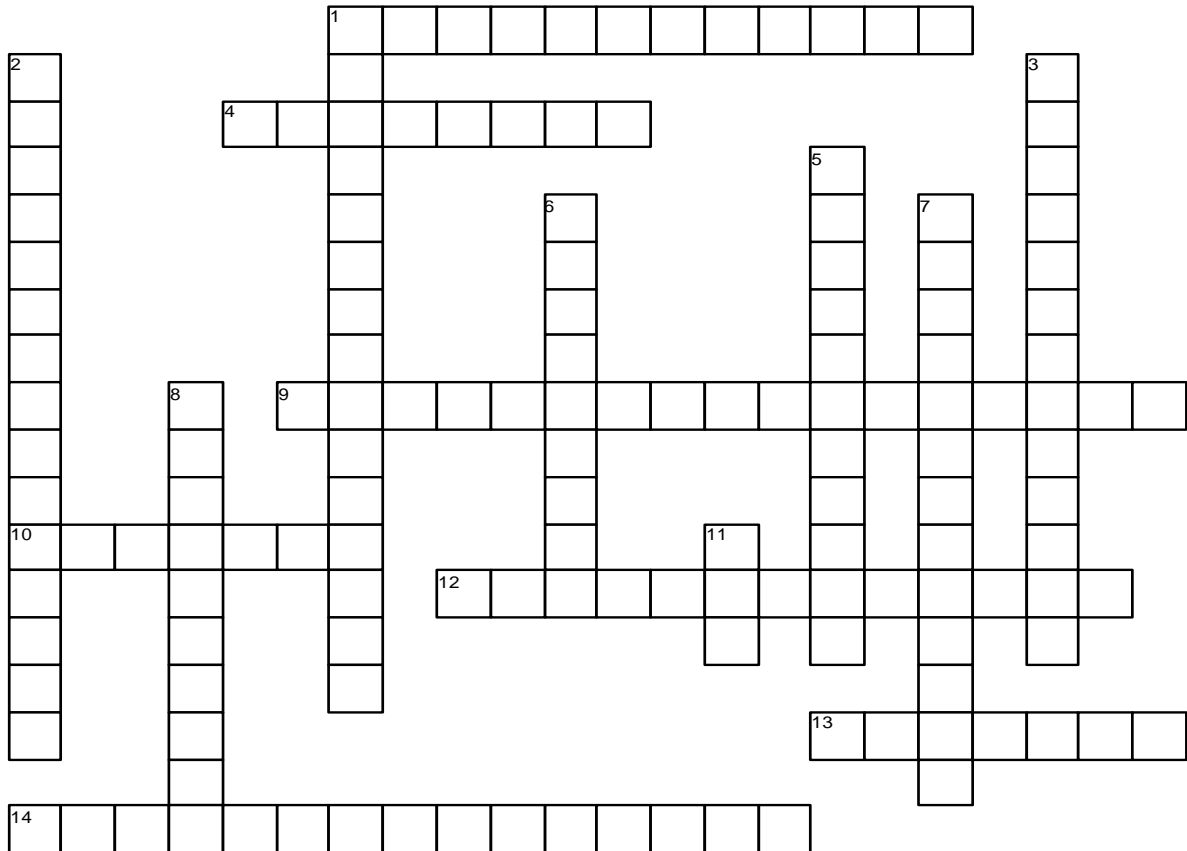


Advanced Starting and Charging Systems Diagnosis

Chapter 15



<http://jameshalderman.com>

ACROSS

- 1 Try to purchase a battery that offers the highest _____ amperes for the money.
- 4 One method to determine the condition of any battery is the _____.
- 9 The _____ drain test determines if some component or circuit in a vehicle or truck is causing a drain on the battery when everything is off.
- 10 The _____ capacity 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.
- 12 A _____ is a charge of higher-than-normal voltage that is only on the surface of the battery plates.
- 13 The primary purpose of an automotive _____ is to provide a source of electrical power for starting and for electrical demands that exceed generator output.
- 14 The _____ could also test as being defective because of a weak or discharged battery.

DOWN

- 1 _____ are not the same as CCA, but are often advertised and labeled on batteries.
- 2 If a battery is discharged, the _____ could test as being defective because the battery voltage might drop below specifications.
- 3 If the _____ of a battery is low, it must be recharged.
- 5 Some automobile manufacturers specify that a _____ tester be used to test batteries in vehicles still under factory warranty.
- 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 Many automobile manufacturers use a _____ switch 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.
- 8 The _____ is how many amperes can be discharged from the battery before dropping to 10.5 volts over a 20-hour period.
- 11 _____ rating is similar to the cranking amperes rating and is tested at 32°F (0°C).