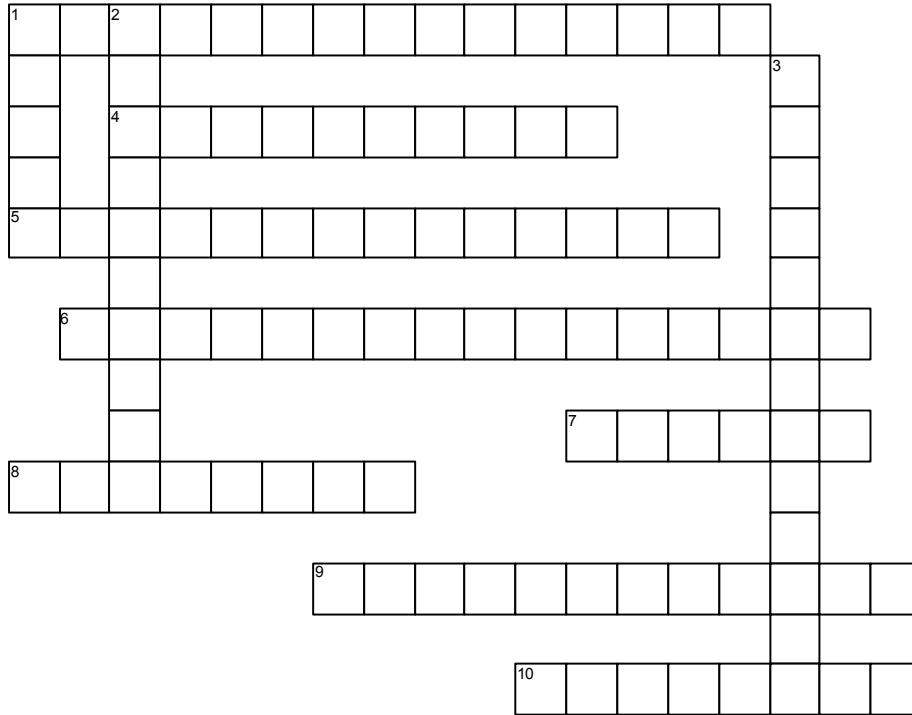


Charging System

Chapter 31



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ACROSS

- 1 The _____ test is the easiest way to check the charging system voltage at the battery.
- 4 Many _____ have marks that indicate the normal operating tension range for the accessory drive belt.
- 5 Replace any _____ that has more than three cracks in any one rib that appears in a 3 inch span.
- 6 A _____ uses plates of carbon to create an electrical load.
- 7 _____ are one-way electrical check valves that permit current to flow in only one direction.
- 8 Excessive AC voltage _____
- 9 _____ is a procedure used on older noncomputerized vehicles for bypassing the voltage regulator that could be used to determine if the alternator is capable of producing its designed output.
- 10 _____ is used because of its lightweight, nonmagnetic properties, and heat transfer properties needed to help keep the alternator cool.

DOWN

- 1 Remanufactured alternators are _____ that are totally disassembled and cleaned before refurbishing.
- 2 An _____ generates an alternating current because the current changes polarity during rotation.
- 3 Some charging systems use an electronic _____ circuit that energizes the field circuit only when an electrical load is detected.