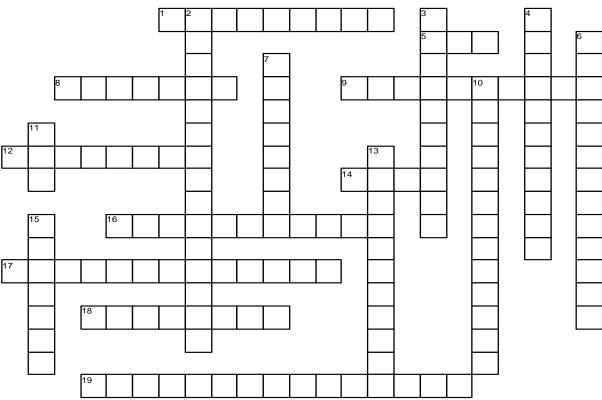
Engine Starting And Charging Systems

Chapter 16



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ACROSS

1	The battery electrical determines if
	some component or circuit in a vehicle or truck is
	causing a drain on the battery when everything is off
5	rating is similar to the cranking amperes rating
	and is tested at 32°F (0°C),
8	The drive uses a small gear that contacts the
	engine flywheel gear and transmits starter motor
	power to rotate the engine.
9	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.
2	voltage is the AC part of the DC chargin
	voltage produced by the alternator.
4	The abbreviation for ignition on engine off.
16	Another name for the rear housing is the
7	If the of a battery is low, it must be
	recharged.
8	One method to determine the condition of any
	battery is the
9	are not the same as CCA, but
	are often advertised and labeled on batteries.

DOWN

2	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.
3	The is how many amperes can be
	discharged from the battery before dropping to 10.5
	volts over a 20 hour period.
4	is the drop in voltage that occurs
	when current is flowing through resistance.
6	A is a charge of higher-than-normal
	voltage that is only on the surface of the battery
	plates.
7	The switch and safety control switches
	control the starter motor operation.
0	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
1	Try to purchase a battery that offers the highest
	for the money.
3	GM and other manufacturers specify that a
	tester be used to test batteries in
	vehicles still under factory warranty.
5	The primary purpose of an automotive is to
	provide a source of electrical power for starting and
	for electrical demands that exceed alternator output.

