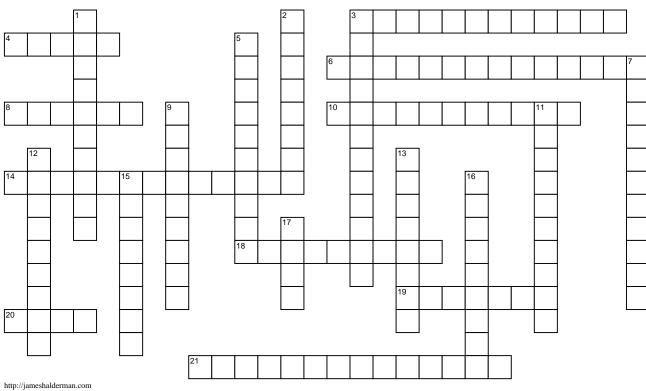
Drivetrain Electricity and Electronics Chapter 9



ACROSS

3	It was once thought that electricity had only one charge and moved from positive to negative. This theory of the flow of electricity through a conductor is called the theory of current
	flow.
4	A is a magnetic switch
	that uses a movable armature to
	control a high-amperage circuit by
	using a low-amperage electrical
	switch.
6	is resistance
	higher than normal circuit
	resistance.
8	The is the unit used
	throughout the world to measure
	current flow.
10	Anis any circuit that
	is not complete, or that lacks
	continuity, such as a broken wire.
14	The TP sensor consists of a
	, a type of variable
	resistor.
18	A wiring, sometimes
	called a diagram, shows electrical
	components and wiring using
	symbols and lines to represent

	components and wires.
19	An measures the flow of
	current through a complete circuit
	in units of amperes or milliamperes
	(1/1,000 of an ampere).
20	
	must communicate with other
	modules.
21	The discovery of the electron and
-	its negative charge led to the
	·
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-	
1	has the ability to
	generate a voltage signal in
	semiconductor material (gallium
	arsenate crystal) by passing current
	through it in one direction and
	applying a magnetic field to it at a
	right angle to its surface.
2	An measures the
	resistance of a component or circuit
	section in ohms, when no current is
	flowing through the circuit.
3	connectors
	contain a sealant and shrink tubing
	in one piece and are not simply butt
	connectors.
5	are materials with

	fewer than four electrons in their
	atom's outer orbit.
7	is the movement of
	electrons from one atom to
	another. The dense center of each
	atom is called the nucleus.
9	A short occurs when the
	power side of one circuit is
	electrically connected to the power
	side of another circuit.
11	are materials with
	more than four electrons in their
	atom's outer orbit.
12	The term usually refers
	to the plastic portion that snaps or
	connects together, thereby making
	the mechanical connection.
13	A is a metal fastener
	attached to the end of a wire, which
	makes the electrical connection.
15	A short is a type of
	short circuit that occurs when the
	current bypasses part of the normal
	circuit and flows directly to ground.
16	
	pressure or potential of electricity in
	units of volts.
17	
	through a conductor is measured in
	units called