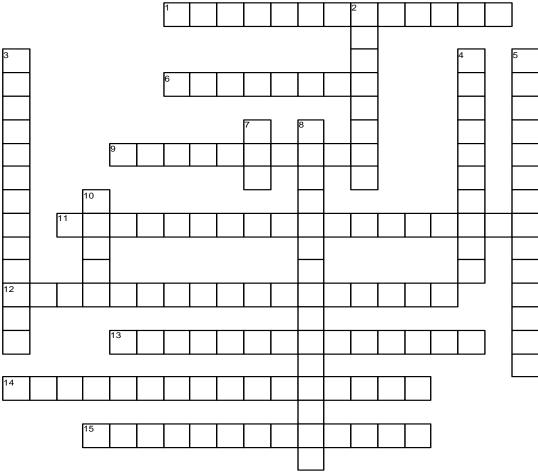
## Hydraulic Power Steering Systems Chapter 122



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<b>ACR</b>	oss
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	steering gear is located between
	the steering gear input shaft and
	the pinion gear.
6	Because the power steering
	pump and the steering gear are
	not part of the same assembly,
	the system requires
	to connect the power steering
	pump and gear assembly.
9	A type of variable effort steering
	system used by GM is the
	system. This
	system uses a variable
	bidirectional magnetic rotary
	actuator built into the steering
	rack.
11	A is a
	two-piece assembly that

operates by rotating an inner

valve within an outer valve.

1 The rotary control valve on a power \_\_\_\_-

	or the partip, and the partip factor	
	operates submerged in power	
	steering fluid.	
13	The parts of a	
	valve include: Spring, valve	
	piston, check ball, seat.	
14	A installs	
	in the same bore as the hose	
	fitting.	
15	steering	
	hydraulically boosts the	
	mechanical steering operation	
	so the driver can turn the	
	steering wheel with less effort for	
	the same response.	
DOWN		
2	is force applied to a	
	specific area.	
3	The pump	
	draws fluid from the reservoir,	

pressurize it, and delivers it to

	the power steering system.
4	states that
	pressure on a confined fluid is
	transmitted equally in all
	directions and acts with equal
	force on equal areas.
5	steering
	(VES) systems increase at lower
	vehicle speeds to aid in parking
	maneuvers and decrease at
	higher speeds for greater road
	feel.
7	A transmits an electronic
	signal to the PCM when the
	pressure in the system is high
	enough to increase the load on
	the engine.
8	A is a
	separate assembly from the
	pump and provides fluid to it
	through a suction hose.
10	is a push or pull acting on
	an object and is usually
	measured in pounds or Newtons
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