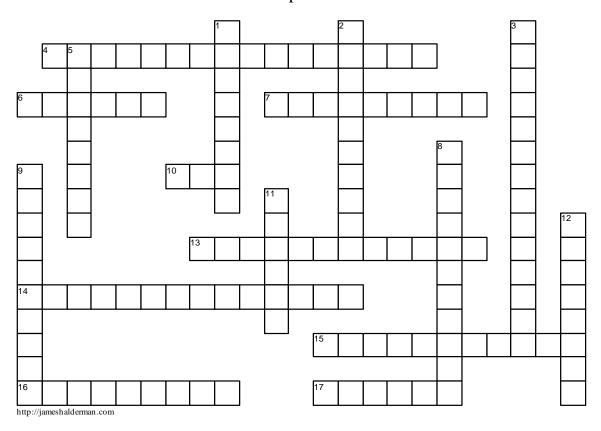
## **Cooling System Operation And Diagnosis**

Chapter 18



## **ACROSS**

4	The fan drive is mounted
	between the drive pulley and the fan.
6	A around the closed thermostat allows a
	small part of the coolant to circulate within the
	engine during warm-up.
7	In most vehicle radiators, the coolant flows
	through oval-shaped
10	Many vehicles manufactured in Japan or Europe
	use radiator pressure indicated in a unit called a
13	A second type of thermal fan has a
	spring added to the silicone coupling fan drive.
14	Some engines use a combination of two coolant
	flow systems and call it a flow
	system.

**15** The water pump is a \_\_\_\_\_ pump that can move a large volume of coolant without increasing

16 Some vehicles use a \_\_\_\_\_, which is located

at the highest level of the cooling system and

17 In the \_\_\_\_\_ flow system, the coolant flows around all the cylinders on each bank.

## **DOWN**

1	Vacuum pulls the coolant from the plastic
	container back into the cooling system, keeping
	the system full, this system is called a coolant system.
2	In series flow systems, in the gasket,
	block, and head perform the function of letting out the steam.
3	Some engines use, which
	means that the coolant flows from the radiator to
	the cylinder heads before flowing to the engine
	block
5	The pump pulls coolant in at the center of the
8	Heat is transferred through the tube wall and soldered joint to
9	Another name for bleed holes is
11	Coolant leaving the pump impeller is fed through a
	•
12	In the flow system, coolant flows into
	the block under pressure and then crosses the
	head gasket to the head through main coolant
	passages beside each cylinder.



the pressure of the coolant.

holds about 1 quart of coolant.