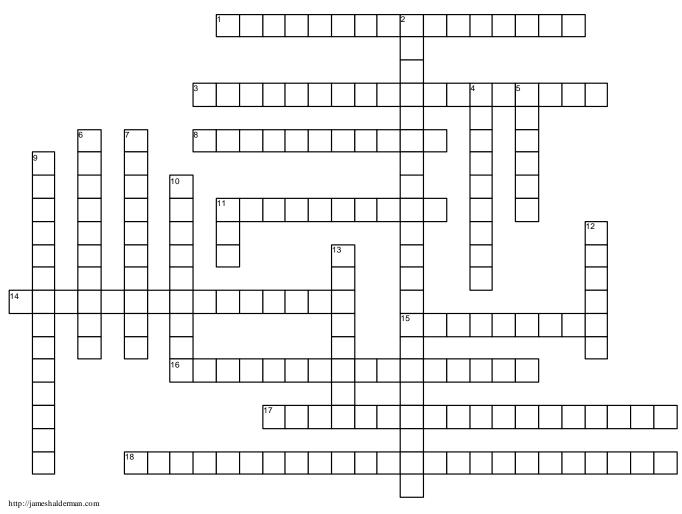
Cooling System Operation And Diagnosis Chapter 21



tube wall and soldered joint to cooling

ACROSS

1	The	fan drive is	16	In the	, the
	mounted between the drive pulley and			coolant flows aro	und all the cylinders
	the fan.			on each bank	
3	In the	, coolant	17	A second type of	thermal fan has a
	flows into the block under pressure			added to the	
	and then crosse	s the head gasket to		silicone coupling	fan drive.
	the head through	n main coolant	18	Some engines us	se a combination of
	passages besid	e each cylinder.		two coolant flows	systems and call it a
8	Heat is transferred through the tube			-	·
	wall and soldere	ed joint to			
			DC	OWN	
11	In series flow sy	stems, in			
	the gasket, block	k, and head perform	2	Vacuum pulls the	coolant from the
	the function of le	etting out the steam.		plastic container	back into the cooling
14	The water pump is a			system, keeping t	the system full, this
	that can mo	ove a large volume of		system is called	a
	coolant without increasing the				
	pressure of the	coolant.	4	Some vehicles us	se a,
15	have oval-shaped			which is located	at the highest level of
	coretubes that c	oolant flows through.		the cooling syste	m and holds about 1
	Heat is then tran	nsferred through the		quart of coolant.	

5	Coolant leaving the pump impeller is				
	fed through a				
6	The is a temperature-				
	controlled valve placed at the engine				
	coolant outlet on most engines.				
7	Another name for bleed holes is				
-					
9	Some engines use,				
_	which means that the coolant flows				
	from the radiator to the cylinder heads				
	before flowing to the engine block				
10	In most vehicle radiators, the coolant				
	flows through oval-shaped				
11	Many vehicles manufactured in Japan				
• • •	or Europe use radiator pressure				
	indicated in a unit called a				
40	A around the closed				
12					
	thermostat allows a small part of the				
	coolant to circulate within the engine				
	during warm-up.				
13	The pump pulls coolant in at the center				
	of the .				

