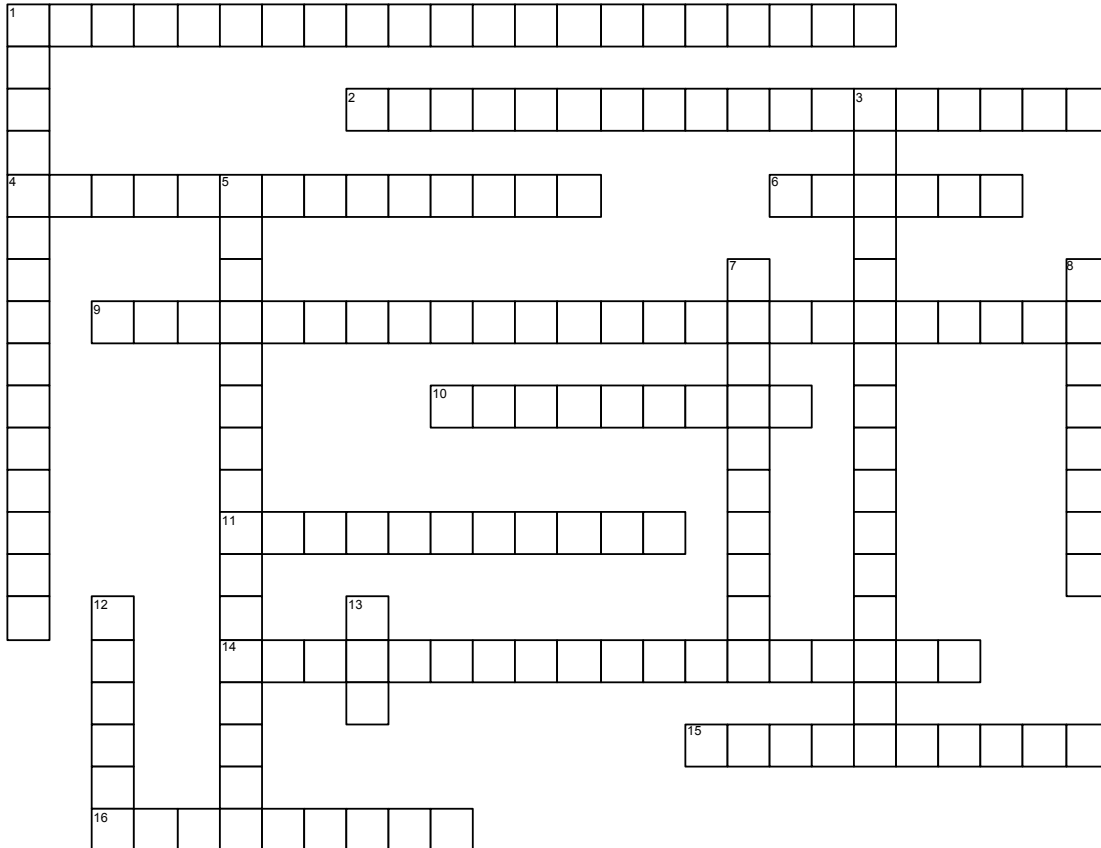


Cooling System Operation And Diagnosis

Chapter 14



<http://jameshalderman.com>

ACROSS

- 1 Vacuum pulls the coolant from the plastic container back into the cooling system, keeping the system full, this system is called a _____.
- 2 A second type of thermal fan has a _____ added to the silicone coupling fan drive.
- 4 Some engines use _____, which means that the coolant flows from the radiator to the cylinder heads before flowing to the engine block.
- 6 Coolant leaving the pump impeller is fed through a _____.
- 9 Some engines use a combination of two coolant flow systems and call it a _____.
- 10 In most vehicle radiators, the coolant flows through oval-shaped _____.

11 Heat is transferred through the tube wall and soldered joint to _____.

14 In the _____, coolant flows into the block under pressure and then crosses the head gasket to the head through main coolant passages beside each cylinder.

15 Another name for bleed holes is _____.

16 Some vehicles use a _____, which is located at the highest level of the cooling system and holds about 1 quart of coolant.

DOWN

1 The water pump is a _____ that can move a large volume of coolant without increasing the pressure of the coolant.

3 In the _____, the

coolant flows around all the cylinders on each bank.

5 The _____ fan drive is mounted between the drive pulley and the fan.

7 In series flow systems, _____ in the gasket, block, and head perform the function of letting out the steam.

8 The pump pulls coolant in at the center of the _____.

12 A _____ around the closed thermostat allows a small part of the coolant to circulate within the engine during warm-up.

13 Many vehicles manufactured in Japan or Europe use radiator pressure indicated in a unit called a _____.