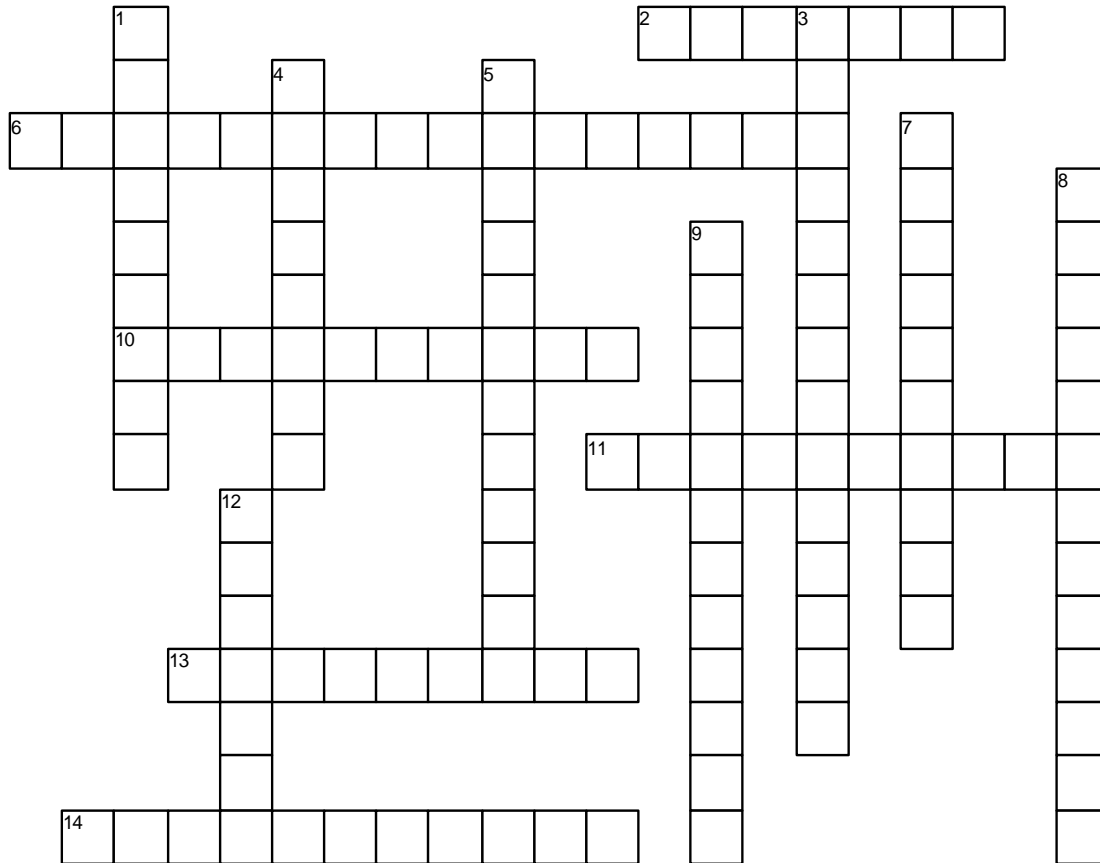


Heating System Operation and Diagnosis

Chapter 10



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ACROSS

- 2 The _____ system uses heat that would normally be wasted (removed by the radiator) to warm the interior of the vehicle.
- 6 A _____ is needed to achieve the specified belt tension.
- 10 The _____ from the heater core is connected near the inlet of the water pump, which is the area with the lowest coolant pressure.
- 11 The _____ is a heat exchanger much like the condenser, evaporator, and radiator.
- 13 _____ condition and proper installation are important for the proper operation of the cooling system.
- 14 _____ use electric heating elements in the seat bottom, as well as in the seat back in many vehicles.

DOWN

- 1 The _____ to the heater core connects to an outlet fitting near the engine thermostat, or an area of the engine with the hottest coolant.
- 3 Most electrically heated and cooled seats use a _____ device located under the seat cushion and seat back.
- 4 Most heater cores use a _____ form of construction that is somewhat like a plate-type evaporator.
- 5 Some vehicles have a _____ in the heater inlet hose that allows coolant flow to be shut off when MAX cooling is selected to keep hot coolant from flowing through the heater core.
- 7 Some systems include a _____ to slow the coolant velocity as it passes through the heater core.
- 8 A _____ device is capable of heating or cooling, depending on the polarity of the applied current.
- 9 Low _____ can cause a lack of heat from the heater.
- 12 The FMVSS 103 requires that every vehicle sold in the United States must be able to _____ or defog certain areas of the windshield in a specified amount of time.