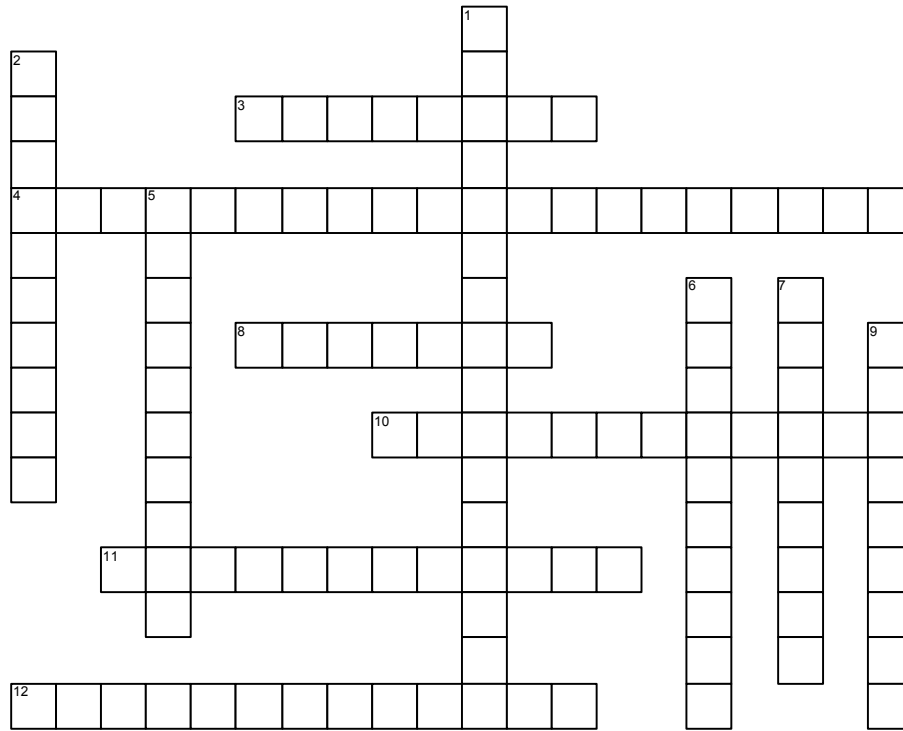


# Heating System Operation and Diagnosis

## Chapter 11



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### ACROSS

- 3 Most heater cores use a \_\_\_\_\_ form of construction that is somewhat like a plate-type evaporator.
- 4 Most electrically heated and cooled seats use a \_\_\_\_\_ located under the seat cushion and seat back.
- 8 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.
- 10 Low \_\_\_\_\_ can cause a lack of heat from the heater.
- 11 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.
- 12 A \_\_\_\_\_ device is capable of heating or cooling, depending on the polarity of the applied current.

### DOWN

- 1 A \_\_\_\_\_ is needed to achieve the specified belt tension.
- 2 The \_\_\_\_\_ is a heat exchanger much like the condenser, evaporator, and radiator.
- 5 Some systems include a \_\_\_\_\_ to slow the coolant velocity as it passes through the heater core. □
- 6 The \_\_\_\_\_ from the heater core is connected near the inlet of the water pump, which is the area with the lowest coolant pressure.
- 7 \_\_\_\_\_ condition and proper installation are important for the proper operation of the cooling system.
- 9 The \_\_\_\_\_ to the heater core connects to an outlet fitting near the engine thermostat, or an area of the engine with the hottest coolant.