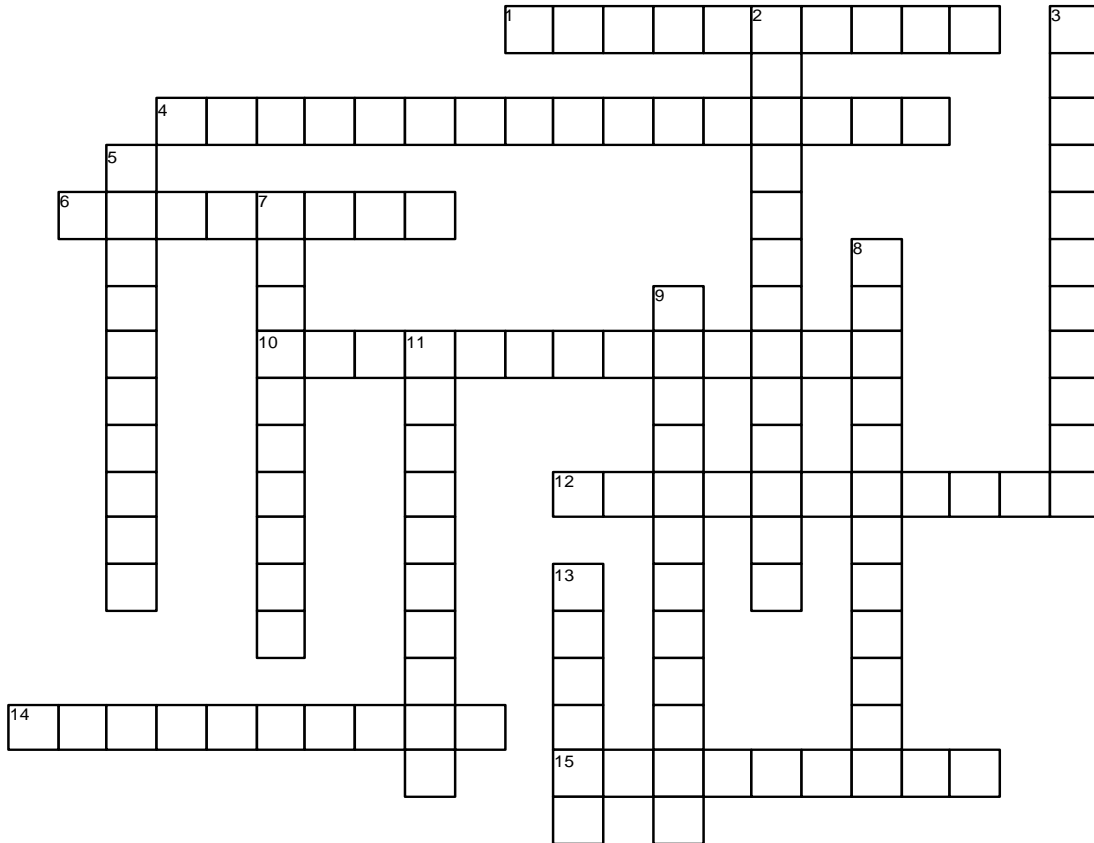


A/C System Components, Operation, and Service

Chapter 6



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ACROSS

- 1 The _____ connects the condenser outlet to the receiver-drier and TXV or OT.
- 4 A _____ valve senses both temperature and pressure and controls the flow of refrigerant into the evaporator.
- 6 The _____ must be increased until the refrigerant temperature is above ambient air temperature so the condenser can get rid of all the heat absorbed in the evaporator.
- 10 A condenser is a _____ that is used to get rid of the heat removed from the passenger compartment.
- 12 An _____ is a fixed-diameter orifice that the refrigerant must flow through.
- 14 The _____ is a pump in the system that circulates the refrigerant.
- 15 The _____ is a heat exchanger that is used to get rid of the heat removed from the passenger compartment.

DOWN

- 2 Starting at the compressor, the _____ connects the compressor to the condenser inlet.
- 3 The _____ connects the evaporator outlet to the accumulator or compressor and has the largest diameter because it transfers low-pressure vapor.
- 5 A _____ senses pressure and changes a variable pressure signal into a variable electrical signal.
- 7 The _____ allows observation of the refrigerant flow as it leaves the receiver-drier.
- 8 The non-permeable nylon layer forms a leak-proof barrier commonly called _____.
- 9 Some manufacturers use a _____ - _____ which locates the O-ring more positively in a shallow groove.
- 11 A _____ is commonly used to sense temperatures.
- 13 The _____ design uses four passages and controls the refrigerant flow using opposing pressures.