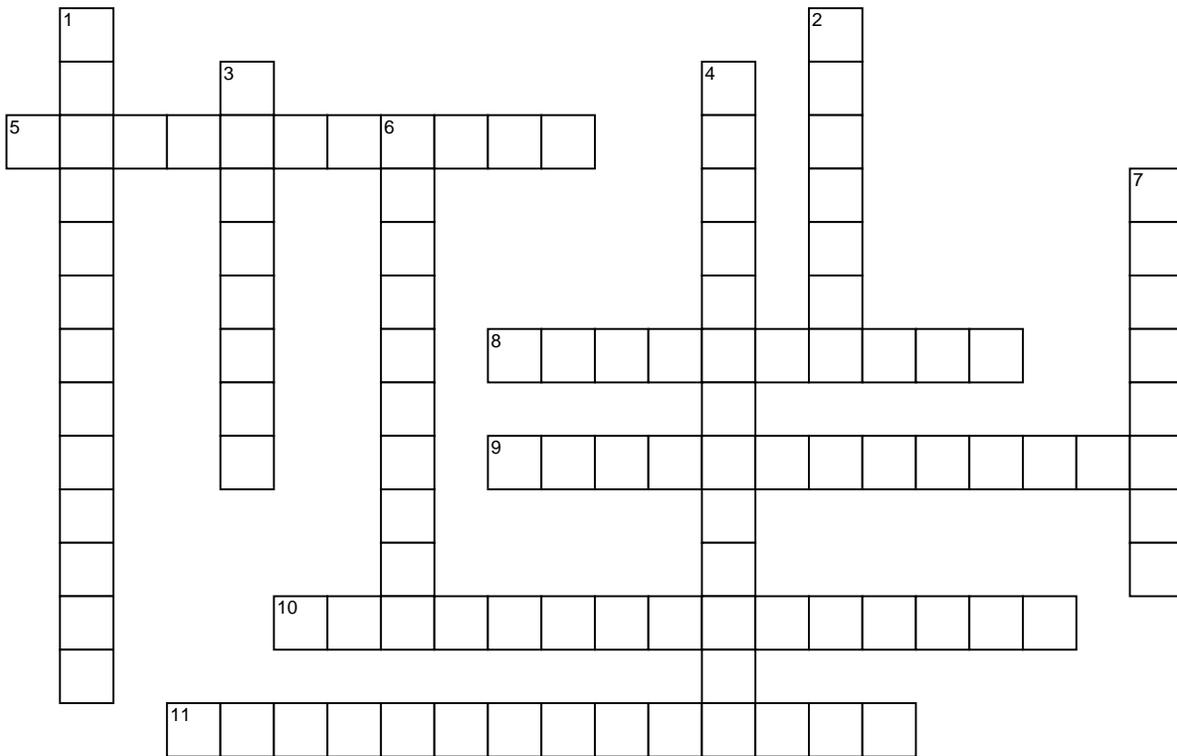


Chapter 3

Air-conditioning Compressors and Service



ACROSS

- 5 Many recent vehicles use a clutchless _____, electronic-controlled, variable displacement compressor.
- 8 The _____ is attached to the compressor shaft.
- 9 The downward or _____ of the piston causes the refrigerant to flow from the compressor suction cavity to push the suction reed open and fill the cylinder.
- 10 An upward stroke, or _____, of the piston generates pressure to force the refrigerant through the sidcharge reed into the discharge chamber and on to the condenser.
- 11 _____ have vanes that contact the rotor housing at each end, and they slide to make a seal at each end as the rotor turns.

DOWN

- 1 Many compressors use a rotating _____ attached to the shaft and a stationary seal seat attached to the front of the compressor housing.
- 2 Recent compressor designs use a _____.
- 3 Many compressors use a rotating rotating cartridge attached to the shaft and a stationary _____ attached to the front of the compressor housing.
- 4 _____ are available from aftermarket sources for installation in the liquid line between the condenser and the OT or TXV and are designed to filter the refrigerant to stop debris from plugging the expansion device.
- 6 A piston compressor moves the pistons up and down in a cylinder to produce pumping action and controls the refrigerant flow with two sets of _____.
- 7 _____ are installed in the discharge or suction line of some systems.