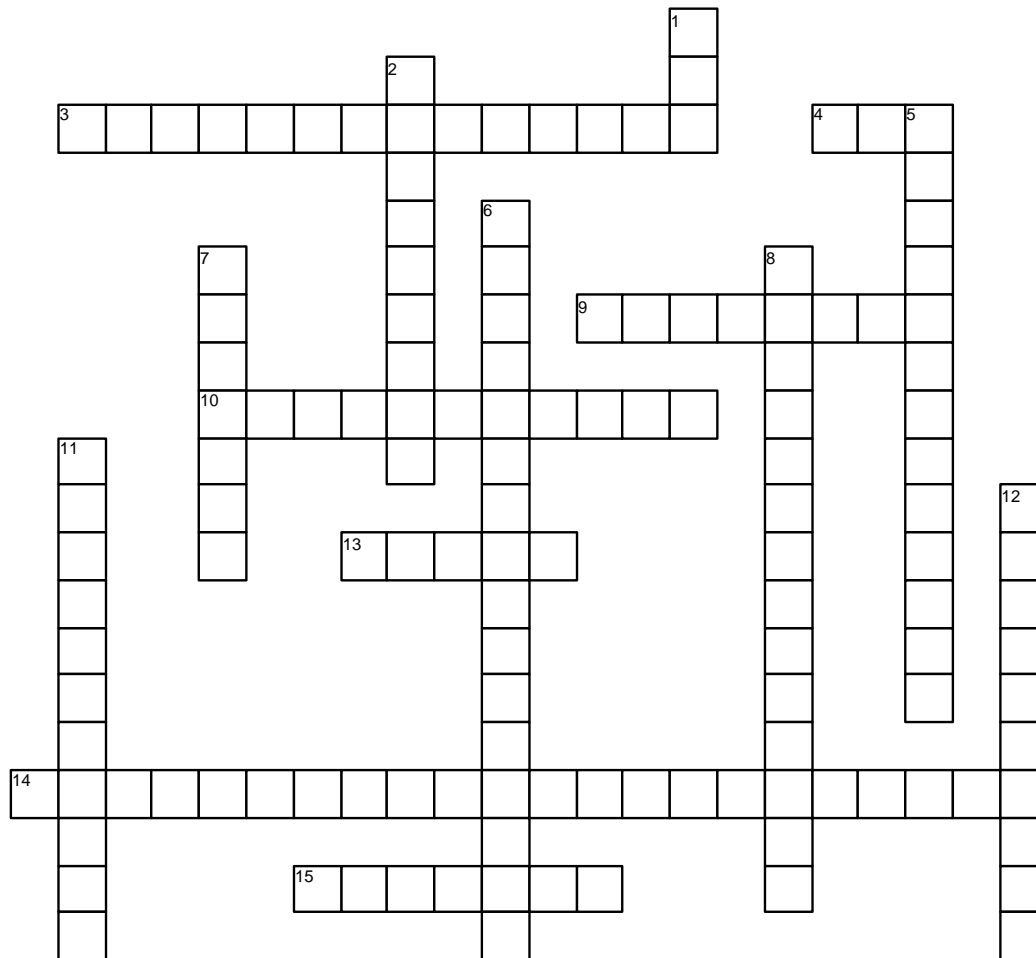


A/C Inspection, Performance Testing, And Leak Detection

Chapter 14



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ACROSS

- 3 An / _____ test is used to determine if the system is capable of performing as designed.
- 4 Abbreviation for non-condensable gas.
- 9 _____ pressure uses absolute zero as its zero point.
- 10 _____ and pressure are directly related in A/C systems. As the ambient temperature increases, the high-side pressure will also increase to have a heat transfer at the condenser.
- 13 The caps over the service ports include an internal _____.
- 14 _____ _____ trace dye is added to some refrigerant to help the technician visually spot a leak in the refrigerant system.
- 15 Often a _____ is needed to straighten the fins of the condenser, which may have been bent by road debris.

DOWN

- 1 _____ is very corrosive so most dye kit instructions state to only use ¼ ounce (7 grams).
- 2 A restricted _____ can reduce the cooling of the air-conditioning system and can cause stress on the A/C system.
- 5 _____ uses atmospheric pressure as its zero point.
- 6 A thorough _____ _____ is used to locate refrigerant leaks by looking for oily areas usually near fittings.
- 7 Many A/C compressors use an _____ _____ to help the oil in the compressor.
- 8 The use of an _____ _____ detector meeting SAE J1628 is the most used method that experts and vehicle manufacturers recommend to find refrigerant leaks.
- 11 The purpose of the _____ _____ is to filter dirt and dust from the air before it enters the interior of the vehicle.
- 12 Depress the belt between the two pulleys that are the farthest apart, the flex or _____ should be 0.5 inch.