

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Which of the following is NOT a major component of most compressors? 1) _____
A) Reed valves B) Clutch
C) Piston and rings D) Fins and tubes

- 2) Most piston compressors use what type of valves? 2) _____
A) Sliding B) On-off gate-type valve
C) Poppet D) Reed

- 3) A compressor speed (belt lock) sensor is used by the HVAC ECM to _____. 3) _____
A) Prevent a locked-up compressor from destroying the engine drive belt
B) Determine if the compressor is running by comparing the compressor and engine speed signals
C) Vary the displacement of the compressor based on compressor speed
D) Both A and B

- 4) A stretch-type AC compressor belt is removed using _____. 4) _____
A) A knife (cut it) B) By removing the tensioner
C) By removing the compressor D) A special tool

- 5) Wobble plate compressors commonly use how many cylinders? 5) _____
A) Five or seven B) Two C) Three D) Four

- 6) A clutchless damper drive is used with what type of AC compressor? 6) _____
A) Vane-type compressor
B) Scroll compressor
C) Orbiting piston compressor
D) Electronic-controlled, variable displacement compressor

- 7) What is the purpose of the clutch on an A/C compressor? 7) _____
A) Helps to drive the water pump
B) Helps to charge the battery using the magnetic field
C) Creates electrical current
D) Allows the compressor to be turned on and off

- 8) Two technicians are discussing compressor replacement. Technician A says that the new compressor already has the proper type and amount of oil installed. Technician B says that the included directions should be followed before installing the new compressor. Which technician is correct? 8) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician

- 9) Most newer compressors use a _____ seal on the compressor shaft. 9) _____
A) Ceramic B) Boron C) Cork D) Lip

10) Two technicians are discussing variable displacement piston compressors. Technician A says that the wobble plate is moved to the high-angle position for maximum output when the cooling load is high. Technician B says that the wobble-plate angle is controlled by the pressure in the crankcase of the compressor. Which technician is correct?

10) _____

- A) Technician A only
- C) Both technicians

- B) Technician B only
- D) Neither technician