

Name _____

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

- 1) A DOHC V-6 diesel engine has how many camshafts? 1) _____
A) One
B) Two
C) Four
D) Six

- 2) Valve springs are checked for _____. 2) _____
A) Free height (or length) without being compressed
B) Pressure with valve closed
C) Pressure with valve open
D) Any of the above

- 3) The camshaft is located _____ in a Cummins in-line six cylinder diesel engine. 3) _____
A) In the engine block
B) Under the crankshaft
C) In the cylinder head
D) Under the valve cover

- 4) Many diesel engines use hollow stem exhaust valves that are partially filled with _____. 4) _____
A) Steel shot
B) Sodium
C) Carbon
D) Ethylene glycol

- 5) Valve keepers secure the _____ to the stem of the valve. 5) _____
A) Valve spring
B) Valve seal
C) Spring retainer
D) Spring seat

- 6) The camshaft is driven by _____. 6) _____
A) Timing gears
B) Timing chains
C) Timing belts
D) Any of the above

- 7) Roller lifters are used to reduce _____ in the diesel engine. 7) _____
A) Cost
B) Weight
C) Friction
D) Volume

8) The camshaft makes _____ for every revolution of the crankshaft. 8) _____
A) One-quarter revolution
B) One-half revolution
C) One revolution
D) Two revolutions

9) Which of these is NOT a typical location for a camshaft? 9) _____
A) Below the crankshaft
B) In the engine block
C) In the cylinder head
D) In the block (OHV engines only)

10) Removal of a Cummins diesel cylinder head requires that a(an) _____ be used during removal. 10) _____
A) Hammer and drive unit
B) Torque bar
C) Engine hoist
D) Pry bar

Answer Key

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1) C

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2) D

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3) A

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4) B

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5) C

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6) D

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7) C

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8) B

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9) A

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10) C

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