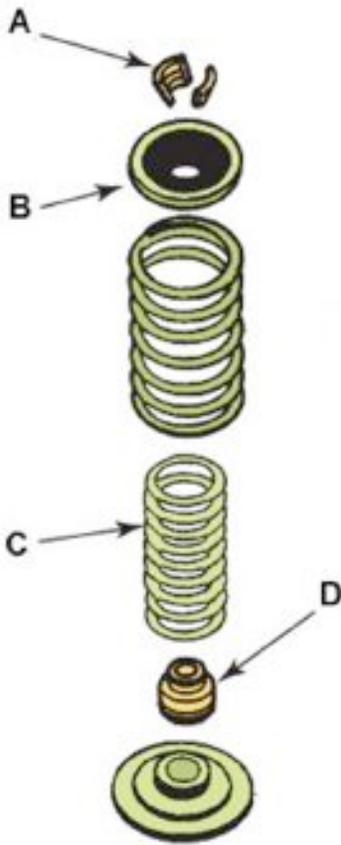


Name _____

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

- 1) Dampers (damper springs) are used inside some valve springs to _____. 1) _____
A) prevent valve spring surge
B) keep the valve spring attached to the valve
C) decrease valve spring pressure
D) retain valve stem seals
- 2) Which of these is the most common valve spring keeper? 2) _____
A) Horseshoe
B) Clip
C) Split keepers
D) Conical
- 3) Which of these components is the valve seal? 3) _____

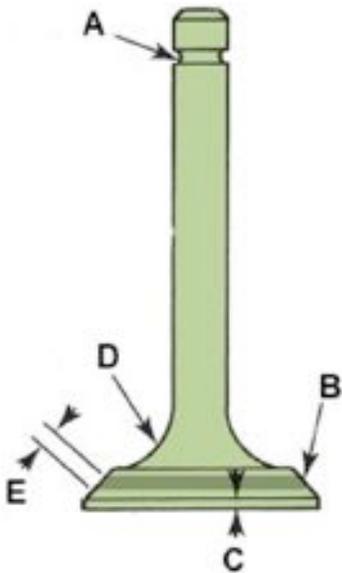


- A) A
- B) B
- C) C
- D) D

4) Installed height is the distance between the valve spring _____ and the underside of the valve spring retainer. 4) _____
 A) seat
 B) keepers
 C) edges
 D) coils

5) Technician A says that exhaust valve are normally larger than intake valves. Technician B says that the exhaust valve is about 50 percent of the size of the intake valve. Who is right? 5) _____
 A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician

6) Which part of this valve is called the valve margin? 6) _____



- A) A
- B) B
- C) C
- D) D
- E) E

7) Before a valve seat can be reconditioned or replaced, the _____ must first be reconditioned. 7) _____
 A) valve guide
 B) valve seals
 C) umbrella seals
 D) cylinder bore

8) The proper relationship between intake and exhaust valve diameter is _____. 8) _____
 A) intake valve size is 85% of exhaust valve size
 B) exhaust valve size is 85% of intake valve size
 C) exhaust valve size is 38% of intake valve size
 D) intake valve size is 45% of exhaust valve size

9) Umbrella-type valve stem seals _____.

9) _____

- A) fit tightly onto the valve guide
- B) fit on the valve face to prevent combustion leaks
- C) fit tightly onto the valve stem
- D) lock under the valve retainer

10) Valve spring inserts (shims) are designed to _____.

10) _____

- A) increase installed height of the valve
- B) decrease installed height of the valve
- C) adjust the correct valve spring installed height
- D) decrease valve spring pressure to compensate for decreased installed height

Answer Key

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1) A

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2) C

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3) D

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4) A

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5) D

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6) C

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7) A

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8) B

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9) C

Page Ref: 333

10) C

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