

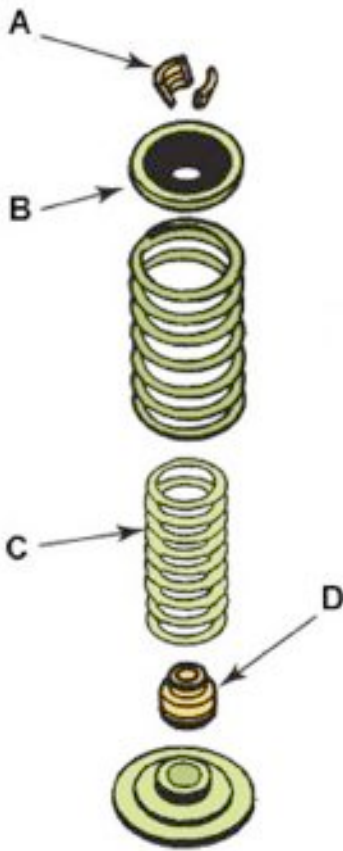
Name _____

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) _____

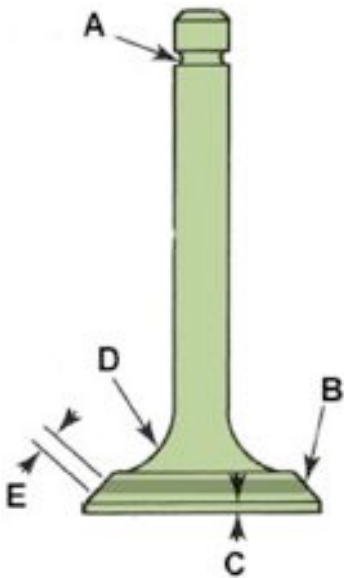


- A) A
- B) B
- C) C
- D) D

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

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10) C

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