

Name _____

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

- 1) A hypereutectic piston has a higher _____. 1) _____
 - A) weight than an aluminum piston
 - B) silicon content
 - C) tin content
 - D) nickel content

- 2) A cast connecting rod has _____. 2) _____
 - A) a wide parting line
 - B) a narrow parting line
 - C) a cracked rod cap
 - D) high nickel content

- 3) All of the following are methods of piston to rod attachment EXCEPT _____. 3) _____
 - A) free floating
 - B) full floating
 - C) woodruff key
 - D) press fit to rod

- 4) Technician A says that chrome rings are the best rings to use in an unbored cylinder. Technician B says that ring end gap is non-adjustable; therefore there is no need to check it when reassembling the engine. Who is right? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) Piston ring gap is measured using a _____. 5) _____
 - A) feeler gauge
 - B) micrometer
 - C) dial indicator
 - D) either A or B

- 6) The space behind the piston ring is called _____. 6) _____
 - A) side clearance
 - B) forward clearance
 - C) back clearance
 - D) piston ring clearance

- 7) It is normal for a powdered metal connecting rod to have a cracked parting line. 7) _____
 - A) True
 - B) False

8) What is the technician doing in this photograph?

8) _____



- A) Cleaning the rings
- B) Measuring end gap
- C) Measuring side clearance
- D) Measuring back clearance

9) Technician A says that powdered metal connecting rods cannot be reconditioned and must be replaced if damaged or worn. Technician B says that the piston and the connecting rod must be correctly assembled according to identifying notches or marks. Who is right?

9) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

10) Side clearance is a measure taken between the _____ and the _____.

10) _____

- A) piston (side skirt); cylinder wall
- B) piston pin; piston pin retainer (clip)
- C) piston ring; piston ring groove
- D) compression ring; oil control ring

Answer Key

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1) B

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2) B

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3) C

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4) D

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5) A

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6) C

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7) A

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8) C

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9) C

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10) C

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