

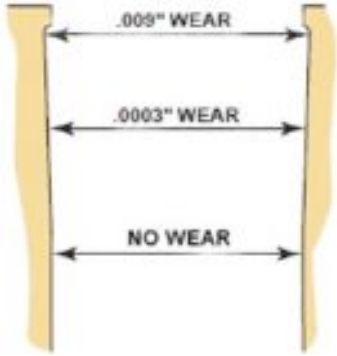
Name _____

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

- 1) Before removing the piston and rod assembly from the cylinder block, you should do all of these, EXCEPT _____. 1) _____
A) make sure the rods are marked to their respective cylinders
B) remove the cylinder ridge with a ridge reamer
C) install rod bolt protectors
D) notch the top of the piston for identification
- 2) Before the valves are removed from the cylinder head, what operations need to be completed? 2) _____
A) Remove valve keepers (locks)
B) Remove cylinder head(s) from the engine
C) Remove burrs from the stem of the valve(s)
D) All of the above
- 3) A valve job restores the valves and seats. This increases manifold vacuum and may cause _____. 3) _____
A) rough idle
B) high idle speeds
C) increased oil consumption
D) coolant consumption
- 4) When removing cylinder heads, the fasteners should be removed in what order? 4) _____
A) The reverse order of tightening
B) The same order as the specified tightening sequence
C) Any order
D) All fasteners loosened slightly in the same order as the tightening sequence and then removed in any order
- 5) The ridge at the top of the cylinder _____. 5) _____
A) is caused by the fact that the rings do not travel all the way to the top of the cylinder
B) represents a failure of the top piston ring to correctly seal
C) should not be removed before removing pistons except when reboring the cylinders
D) means that a crankshaft with an incorrect stroke was installed in the engine
- 6) A short block includes the _____. 6) _____
A) block
B) crankshaft and main bearings
C) pistons, rods, and rod bearings
D) all of the above
- 7) If the AC system needs to be disconnected, carefully bleed off the refrigerant before removing any lines. 7) _____
A) True
B) False

8) The wear shown in this engine cylinder is caused by _____.

8) _____



- A) overheating
- B) a bent connecting rod
- C) the piston rings
- D) none of these

9) Powdered connecting rods can be marked with _____.

9) _____

- A) a punch
- B) a steel number stamp
- C) a permanent ink marker
- D) any of these

10) Technician A says that lifting hooks should be used when hoisting an engine. Technician B says that engine component parts should only be removed when the engine is at operating temperature. Who is right?

10) _____

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