## Automotive Engines 10th

## Quiz 34B

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

- Technician A says that studs should be installed finger tight. Technician B says that studs must
   be installed using a thread locker such as Locktite. Which technician is correct?
  - A) Technician A onlyB) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- - A) Block could crack
  - B) Bolt would break
  - C) Liquid would be forced upward and out of the hole
  - D) Either B or C
- Technician A says to be sure the piston notch "front" or arrow points toward the front of the engine. Technician B says to be sure that the piston ring gaps all line up before installing the piston. Which technician is correct?

4. \_\_\_\_\_

5. \_\_\_\_

6. \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians A and B
- D) Neither technician A nor B
- 4. An engine dynamometer measures \_\_\_\_\_.
  - A) torque
  - B) horsepower
  - C) both horsepower and torque
  - D) fuel economy

## 5. What can happen if gasket surfaces are too smooth?

- A) Gasket can move out of proper location, causing leakage
- B) Gasket will not be able to seal the deep grooves in the surface
- C) Nothing will happen
- D) Gasket will seal with no leaks
- 6. Two technicians are discussing the torquing process of head bolts. Technician A says that they should be tightened starting at the center of the head and working toward the ends. Technician B says that they should be tightened in three steps or according to the factory specified manner if torque-to-yield or torque-angle. Which technician is correct?
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B

7. T	The cylinder head bolts should be tightened (torqued) by which of these sequences? A) Four outside bolts first, then from the center out B) From the outside bolts to the inside bolts C) From the inside bolts to the outside bolts D) Starting at the front of the engine and torquing bolts from front to rear	7
8. A	<ul> <li>a coating often used to keep an engine from rusting during assembly is called</li> <li>A) engine oil</li> <li>B) assembly lube</li> <li>C) fogging oil</li> <li>D) penetrating oil</li> </ul>	8
	<ul> <li>the torque and horsepower readings are graphed, where do the curves cross (equal each ther)?</li> <li>A) Never</li> <li>B) At peak horsepower, which can vary from engine to engine</li> <li>C) At peak torque, which can vary from engine to engine</li> <li>D) At 5,252 RPM</li> </ul>	9
b	echnician A says that the piston and rod assembly should be installed in the cylinder after eing carefully fitted for each bore. Technician B says that connecting rod side clearance should e checked with a feeler (thickness) gauge. Which technician is correct?	10

- A) Technician A onlyB) Technician B onlyC) Both technicians A and B
- D) Neither technician A nor B

Answer Key Testname: ENGINES 10 34B

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- 3. A
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- 4. A
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