Automotive Technology 7th Edition
Chapter 34
Multiple Choice Quiz A

Name: _____ Date: _____

1. What is an essential step before engine assembly?
A. Checking the engine color.
B. Checking the instruction sheet that comes with the gasket.
C. Testing the engine oil's viscosity.
D. Inspecting the engine's size.

2. Why is surface finish crucial for proper gasket sealing?
A. To enhance engine aesthetics.
B. To ensure the gasket fits snugly.
C. To ensure the gasket seals deep grooves.
D. To reduce engine vibrations.

3. What happens if the surface finish is too rough?
A. The gasket can move out of the proper location.
B. The gasket will not seal the deep grooves.
C. The gasket will expand in size.
D. The gasket will lose its color.

4. How is the surface finish typically measured?
A. Micrometers.
B. Centimeters.
C. Microinches.
D. Inches.

5. Why is it recommended to use a thread chaser instead of a tap for cleaning threads in the block?
A. A tap can remove metal, while a chaser restores threads without removing metal.
B. A tap is more expensive.
C. A chaser is faster.
D. A tap cannot reach deep threads.

6. What can happen if liquid is present in the bottom of a blind hole in the block?
A. The block can be cracked when the bolt is installed.
B. The engine will overheat.
C. The engine will produce more power.
D. The liquid will evaporate on its own.

7. What should you check if the cylinder head(s) has been machined?
A. The engine's color.
B. The pushrod length.
C. The size of the head gasket.
D. The type of fuel to be used.

8. Which problem can arise from incorrect rocker arm geometry?
A. Engine color change.
B. Oil leakage.
C. Spring bind.
D. Fuel inefficiency.

9. What is an essential consideration when using replacement rocker arms?
A. The rocker arm's weight.
B. The rocker arm's color.
C. The rocker arm's material.
D. The geometry and total lift.

10. Why is a trial assembly crucial, especially when using a different crankshaft?
A. To ensure the engine looks aesthetically pleasing.
B. To ensure all parts fit and work properly.
C. To test the engine's noise levels.
D. To check for potential oil leaks.

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Answer Key

1. B

2. C

3. B

4. C

5. A

6. A

7. B

8. C

9. D

10. B