Automotive Technology 7th Edition
Chapter 29: Variable Valve Timing and Displacement Systems
Short Answer Quiz

Name: Date:

1. How does a VVT system on the exhaust eliminate the need for an exhaust gas recirculation (EGR) valve?

2. Define the term "Variable Valve Timing and Lift Electronic Control (VTEC)".

3. How does changing the intake camshaft timing influence engine performance?

4. Explain the relationship between conventional camshafts and the crankshaft in terms of valve operation.

5. At what point in the combustion cycle does a conventional engine intake valve open and close?

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6. Describe the main purpose of variable valve timing in engines.

7. What components are primarily involved in achieving variable valve timing in relation to the crankshaft?

8. What is the difference between variable valve timing (VVT) and variable cam timing (VCT)?

9. List the four basic types of VVT used in engines.

10. How does the use of VVT on the exhaust improve engine performance?