

Automotive Technology 7th Edition
Chapter 27: Cylinder Head Inspection and Service
Matching Quiz

Name: _____

Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|--|---|-----------|
| 1. Valve Stem-to-Guide Clearance | A. Prevents valve spring surge | 1. _____ |
| 2. Valve Spring Inserts (Shims) | B. Used inside some valve springs to prevent valve spring surge | 2. _____ |
| 3. Integral Exhaust Valve Seats | C. The rougher the surface, the higher this measurement | 3. _____ |
| 4. Dampers | D. Valve operating at hotter temperatures than insert seats | 4. _____ |
| 5. Surface Finish (Roughness) | E. Adjust the correct valve spring installed height | 5. _____ |
| 6. Exhaust Valve Seats in Aluminum Heads | F. The approximate clearance range of 0.001 to 0.004 inch (0.03 to 0.05 mm) | 6. _____ |
| 7. Valve Spring Surge | G. Run cooler than in cast-iron heads | 7. _____ |
| 8. Valve Spring Function | H. This is prevented by dampers | 8. _____ |
| 9. Valve Springs with Dampers | I. To hold the valve closed and help dissipate heat | 9. _____ |
| 10. Typical Valve Guide Clearance | J. About 0.001 to 0.004 inch (0.03 to 0.05 mm) | 10. _____ |

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Answer Key

Answer Key:

1. J
2. E
3. D
4. B
5. C
6. G
7. H
8. I
9. A
10. F