

Automotive Technology 7th Edition
Chapter 66: Air-Conditioning System Diagnosis and Service
Matching Quiz

Name: _____ Date: _____

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

- | | | |
|---|---|-----------|
| 1. Strategy-based diagnosis steps | A. A condition where the A/C compressor rapidly cycles on and off, often due to low refrigerant. | 1. _____ |
| 2. Short cycling | B. The recommended procedure for diagnosing HVAC system problems, starting with verifying the customer complaint. | 2. _____ |
| 3. Evaporator water drain | C. These codes are checked as the third step in diagnosis, typically under chassis and body systems. | 3. _____ |
| 4. DTCs (Diagnostic Trouble Codes) | D. Using a liquid or gas to clean the inside passages of an A/C system, often after a compressor failure. | 4. _____ |
| 5. TSBs (Technical Service Bulletins) | E. Indicated by using pressure gauges and/or differential temperature measurements across components. | 5. _____ |
| 6. A/C Performance Test | F. Caused by a clogged water drip tube, leading to water spilling onto the carpet. | 6. _____ |
| 7. Non-condensable gas (air) in refrigerant | G. Used to find refrigerant leaks, with some models being very sensitive. | 7. _____ |
| 8. Flushing an A/C system | H. Information issued by manufacturers to inform technicians of technical problems and corrective steps. | 8. _____ |
| 9. Electronic leak detector | I. Allowing liquid refrigerant to enter a running compressor, which can cause severe damage. | 9. _____ |
| 10. Slugging the compressor | J. The fifth step in diagnosis, used to determine if the system is performing as designed, involving pressure and temperature measurements. | 10. _____ |

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Answer Key

Answer Key:

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