

Matching Quiz

Name: _____

Date: _____

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

- | | | |
|-----------------------------------|--|-----------|
| 1. PCV System | A. A diagnostic test performed by removing a valve and shaking it; a lack of sound indicates it is defective and must be replaced. | 1. _____ |
| 2. Blowby | B. A type of pump generally used only during cold engine operation and is computer-controlled to help reduce HCs and CO. | 2. _____ |
| 3. SAI System | C. A diagnostic check for weak vacuum at the oil dipstick tube that is performed using an inches-of-water manometer or gauge. | 3. _____ |
| 4. PCV Valve | D. Another name for the SAI pump; it can be driven by a belt and pulls fresh air in through an external filter. | 4. _____ |
| 5. Thermactor Pump | E. A one-way valve used in air-injection systems to protect the pump and other components from reverse exhaust flow. | 5. _____ |
| 6. Rattle Test | F. The process of combustion gases and unburned fuel leaking from the combustion chamber, past the piston rings, and into the crankcase. | 6. _____ |
| 7. Crankcase Vacuum Test | G. Provides the necessary air for the oxidizing process, sending it either to the exhaust manifold or inside the catalytic converter. | 7. _____ |
| 8. Exhaust Check Valve | H. A one-way, spring-operated valve that controls the flow rate of vapors from the crankcase. | 8. _____ |
| 9. Electric Motor-Driven AIR Pump | I. A system developed to ventilate the crankcase and recirculate vapors back into the induction system so they can be burned, reducing emissions. | 9. _____ |
| 10. Four-Gas Exhaust Analysis | J. A test where shutting off airflow from the SAI system should cause HC and CO levels in the exhaust to increase if the system is working correctly | 10. _____ |

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Chapter 81: Positive Crankcase Ventilation and Secondary Air-Injection Systems

Matching Quiz

Answer Key

Answer Key:

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