



T2 Pop Quiz - Emission System

The following T2 Pop Quiz tests your knowledge of Emission Systems. Students should choose the one answer that best completes the following statements or questions.

- 1) The _____ prevents crankcase blowby vapors from escaping into the atmosphere by siphoning the vapors back into the intake manifold so they can be reburned in the engine.
 A) EGR B) PCV C) air filter D) catalytic converter
- 2) The _____ lowers oxides of nitrogen (NOX) in the exhaust by recirculating a small amount of exhaust into the intake manifold to reduce combustion temperatures.
 A) EGR B) PCV C) air filter D) catalytic converter
- 3) The acronym PCV refers to:
 A) porous cavity vent B) positive crankcase ventilation
 C) protection circuit valve D) positive camshaft vapors
- 4) The acronym AIR refers to:
 A) afterburner internal reducer B) air injection reaction
 C) automatic injector recirculator D) active injection relay
- 5) The acronym EGR refers to:
 A) exhaust gases reformulations B) expanded gear resonator
 C) external gas rotor D) exhaust gas recirculation
- 6) Inside the catalytic converter is a ceramic honeycomb coated with _____.
 A) carbon, butane and zinc B) platinum, palladium and rhodium
 C) copper, iron and steel D) quartz, fiberglass and ceramic
- 7) The PCV valve is usually mounted in a valve cover, and is connected to the intake manifold or _____ with a large vacuum hose.
 A) throttle body B) air filter C) exhaust manifold D) EGR
- 8) The recommended replacement interval for a PCV valve is typically _____ miles.
 A) 20,000 B) 50,000 C) 75,000 D) 100,000
- 9) Most vehicles have a _____ controlled EGR valve on the engine that opens a port between the intake and exhaust manifolds.
 A) magnetic B) computer C) hydraulic D) pneumatic
- 10) An inoperative EGR system or EGR valve that fails to open or is clogged with carbon will _____ NOX emissions and usually cause engine-damaging detonation.
 A) decrease B) increase C) eliminate D) provide
- 11) The _____ prevents the escape of fuel vapors from the fuel tank (and carburetor on older vehicles) into the atmosphere by trapping the vapors in a canister filled with activated charcoal.
 A) PCV B) AIR C) EGR D) EVAP

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