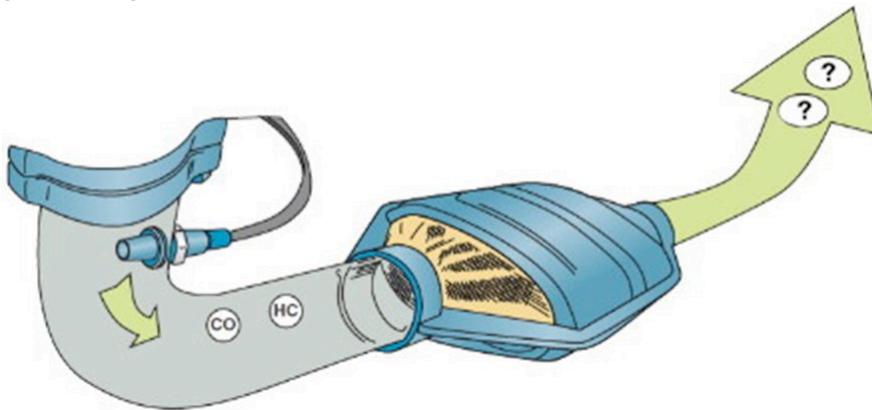


Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) What term is used to describe combustion gasses leaking past cylinder rings? 1) _____
A) Blow by
B) Manifold pressure
C) Sludge
D) Crankcase build-up
- 2) A vehicle comes into the shop and the technician retrieves the diagnostic code P0401 "EGR flow insufficient." Which of these could be the cause? 2) _____
A) Clogged EGR ports or passages
B) EGR valve stuck open
C) Electrical wiring shorted
D) All of these are correct.
- 3) Technician A says that some crankcase vent systems use a calibrated orifice instead of a PCV valve. Technician B says that turbocharged engines often use an oil/water separator in the PCV system. Which technician is correct? 3) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 4) This drawing shows a catalytic converter with exhaust gases entering the CAT. What are the gases changed to at the CAT outlet? 4) _____



- A) H₂O and CO₂
B) HCO and CO
C) NO_x
D) Both A and C

- 5) How many solenoids are contained in the GM digital EGR valve? 5) _____
A) Three
B) Two
C) One
D) None
- 6) An electric SAI pump is controlled by _____. 6) _____
A) A vacuum switch
B) The PCM
C) Exhaust pressure
D) Manifold vacuum
- 7) Technician A says that PCV valves should rattle when shaken. Technician B says that defective PCV systems may cause leaking engine seals. Which technician is correct? 7) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 8) Two technicians are discussing clogged EGR passages. Technician A says clogged EGR passages can cause excessive NO_x exhaust emission. Technician B says that clogged EGR passages can cause the engine to ping (spark knock or detonation). Which technician is correct? 8) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 9) Technician A says that the electric AIR pump requires periodic maintenance. Technician B says that if the AIR pump is good, the oxygen sensors should read 850 mV or more when the AIR pump is energized. Which technician is correct? 9) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 10) Which of the following are symptoms of a fault in the EGR system? 10) _____
A) Detonation during acceleration or cruise
B) Excessive NO_x emissions
C) Rough idle and stalling
D) All of these

Answer Key

Testname: AEEP8_42B

1) A

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2) D

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3) C

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4) A

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5) A

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6) B

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7) C

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8) C

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9) D

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10) D

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