

Name _____

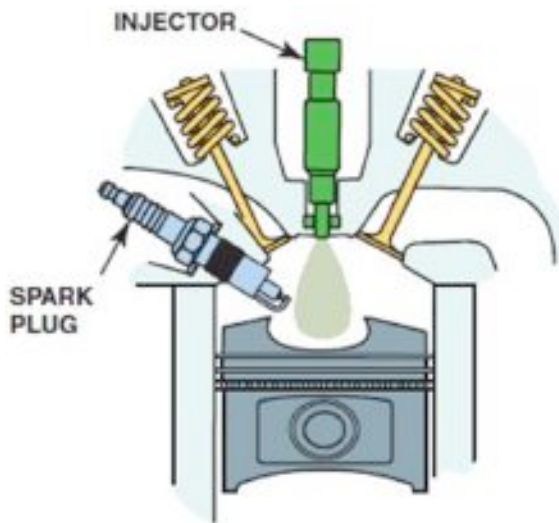
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) What GDI operating mode is used to burn sulfur from the NO_x catalyst? 1) _____
A) Stratified mode
B) Homogeneous stratified mode
C) Stratified heating mode
D) None of these

- 2) GDI equipped engines have a higher efficiency due to a _____ compression ratio. 2) _____
A) lower
B) higher
C) colder
D) related

- 3) Which mode of operation results in a richer air-fuel mixture near the spark plug? 3) _____
A) Stoichiometric
B) Homogeneous
C) Stratified
D) Knock protection

- 4) This illustration shows a _____ type of combustion chamber. 4) _____



- A) wall-guided
- B) spray-guided
- C) tumble-guided
- D) swirl-guided

- 5) Gasoline direct injection (GDI) is also known as _____. 5) _____
A) SIDI
B) EFI
C) UIDI
D) DI
- 6) The high-pressure fuel pumps used in gasoline direct-injection (GDI) systems are powered by _____ 6) _____
A) electricity (DC motor)
B) electricity (AC motor)
C) the camshaft
D) the crankshaft
- 7) All of the following are disadvantages of gasoline direct injection EXCEPT _____. 7) _____
A) higher cost
B) less need for extra fuel for acceleration
C) NOx storage catalyst may be needed
D) more components compared to port fuel injection systems
- 8) When the fuel pressure regulator is deactivated, the fuel pressure defaults to _____. 8) _____
A) high pressure mode
B) low pressure mode
C) acceleration mode
D) 60 PSI
- 9) The fuel injectors used on a gasoline direct injection system are pulsed using what voltage? 9) _____
A) 12 to 14 V
B) 50 to 90 V
C) 100 to 110 V
D) 200 to 220 V
- 10) GDI high-pressure fuel lines must be _____ once they are removed for service. 10) _____
A) polished
B) reformed
C) lubricated
D) replaced

Answer Key

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1) C

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2) B

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3) C

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4) B

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5) A

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6) C

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7) B

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8) B

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9) B

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10) D

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