

Name _____

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

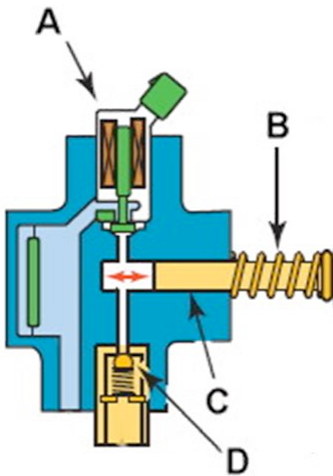
1) A lack of power from an engine equipped with gasoline direct injection could be due to _____ 1) _____

- A) Noisy injectors
- B) Carbon on the injectors
- C) Carbon on the intake valves
- D) Both B and C

2) What GDI operating mode is used to burn sulfur from the NO_x catalyst? 2) _____

- A) Stratified mode
- B) Homogeneous stratified mode
- C) Stratified heating mode
- D) None of these

3) Which component of this GDI high pressure pump is the pressure regulator? 3) _____



- A) A
- B) B
- C) C
- D) D

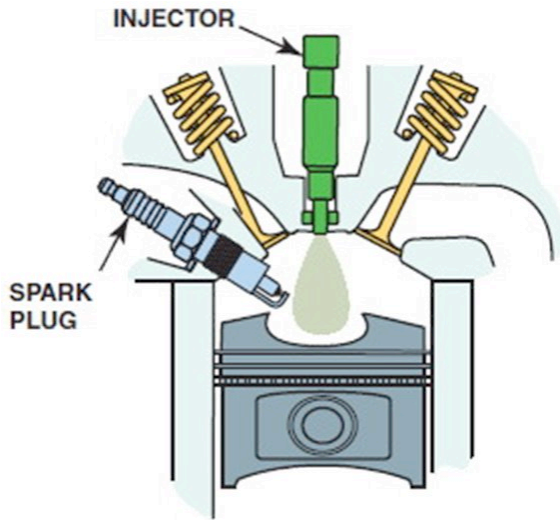
4) A GDI system operating in stratified mode results in _____. 4) _____

- A) The air-fuel mixture being evenly distributed in the combustion chamber
- B) A rich air-fuel mixture near the spark plug tip
- C) Black smoke from the exhaust
- D) None of these

- 5) When the fuel pressure regulator is deactivated, the fuel pressure defaults to _____. 5) _____
A) High pressure mode
B) Low pressure mode
C) Acceleration mode
D) 60 PSI
- 6) When compared to a port fuel injected engine, a GDI engine will have a(n) _____ compression ratio. 6) _____
A) Higher
B) Lower
C) Reversed
D) Interrupted
- 7) The high-pressure fuel pressure is regulated by using _____. 7) _____
A) An electric pressure control valve
B) A vacuum-biased regulator
C) A mechanical regulator at the inlet to the fuel rail
D) A non-vacuum-biased regulator
- 8) The SIDI high pressure fuel pump uses a single-barrel piston plunger that is driven by _____ 8) _____
A) A square-lobed cam
B) A single flat sided cam
C) A three-lobed cam
D) An electric motor
- 9) Where is the fuel injected in an engine equipped with gasoline direct injection? 9) _____
A) Into the intake manifold near the intake valve
B) Directly into the combustion chamber
C) Above the intake port
D) In the exhaust port

10) This illustration shows a _____ type of combustion chamber.

10) _____



- A) Wall-guided
- B) Spray-guided
- C) Tumble-guided
- D) Swirl-guided

Answer Key

Testname: AEEP8_38A

1) D

Page Ref: 560

2) C

Page Ref: 558

3) A

Page Ref: 557

4) B

Page Ref: 557

5) B

Page Ref: 557

6) A

Page Ref: 555

7) A

Page Ref: 555

8) C

Page Ref: 557

9) B

Page Ref: 555

10) B

Page Ref: 558