

Name _____

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

- 1) Which of these HEUI injectors operates with a 20 ampere current draw? 1) _____
A) HEUI-A
B) HEUI-B
C) HEUI Gen II
D) All of these operate on 48 volts

- 2) The HEUI injector uses what type of force to open and close the nozzle? 2) _____
A) Battery voltage
B) Fuel pressure
C) Oil pressure
D) Spring tension

- 3) Two technicians are discussing the design of a HEUI injection system. Technician A says that the HEUI injection system allows the injector control to be controlled by something other than engine speed. Technician B says that HEUI injection systems operate at 30,000 PSI just like common rail systems. Which technician is correct? 3) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

- 4) The operating voltage of a HEUI-A injector is _____. 4) _____
A) 12 volts
B) 115 volts
C) 48 volts
D) None of the above

- 5) A diesel engine with a HEUI injection system is misfiring. Technician A says the misfire may be the result of a recent repair to the engine oil pan. Technician B says the misfire may be the result of engine oil that needs to be serviced. Which technician is correct? 5) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

- 6) In a HEUI-design diesel injection system, a _____ controls injection timing. 6) _____
A) Solenoid
B) Plunger
C) Cam
D) MAP sensor

- 7) The injector driver module _____. 7) _____
- A) Provides the voltage needed to operate the injectors
 - B) Controls the high-pressure oil pump
 - C) Both A and B
 - D) Neither A nor B
- 8) Testing injector voltage is being discussed. Technician A says that a 12-volt test light can be used to test HEUI-A injector voltage. Technician B says that a 12-volt test can be used to test HEUI-B injector voltage. Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 9) Late-model HEUI injections have a(n) _____ feature to prevent slobber. 9) _____
- A) Idle-up
 - B) Deep foam filter
 - C) Piston heater
 - D) Napkin
- 10) Which of these controls the pressure of the high-pressure oil pump? 10) _____
- A) The IDM
 - B) The powertrain control module
 - C) The Injector driver module
 - D) The body control module

Answer Key

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1) C

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2) C

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3) C

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4) B

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5) C

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6) A

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7) A

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8) D

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9) A

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10) B

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