

Name _____

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

- 1) An injection cleaning machine is being discussed. Technician A says that the applied pressure should be between 75-90 PSI before starting the engine. Technician B says to pressure clean the fuel system using a 2:1 mixture of solvent to gasoline. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) During a fuel injector pressure drop test, the difference between any two fuel injectors should not exceed _____. 2) _____
 - A) 1.5 PSI
 - B) 15 PSI
 - C) 0.4 PSI
 - D) 14.7 PSI

- 3) In a typical port fuel injection system, which injectors are most subject to becoming restricted? 3) _____
 - A) Any of them equally
 - B) The injectors at the end of the rail on a returnless system
 - C) The injectors at the bends in the rail
 - D) Either B or C

- 4) Technician A always uses a special service tool to pulse fuel injectors. Technician B says that the injector for each cylinder should only be flow tested four times without starting the engine. Which technician is correct? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) A fuel line with a yellow tag on it has been removed from a GDI-equipped engine. What action should the technician take when reinstalling the fuel line? 5) _____
 - A) Use a good sealer on the fitting.
 - B) Wrap the threads with teflon tape.
 - C) The line must be replaced.
 - D) The line can be reused if it looks OK.

- 6) Which of the following could be reasons for poor engine performance in cold weather? 6) _____
 - A) Low fuel pressure
 - B) Insufficient fuel volume
 - C) Contaminated fuel
 - D) All of these are correct.

- 7) The following statements are all correct EXCEPT _____. 7) _____
- A) relearning the PCM should never be attempted
 - B) on engines operating very poorly, the PCM should be relearned after fuel system cleaning
 - C) fuel systems that have never been cleaned may have developed wax deposits as well as carbon
 - D) the fuel rail and pressure regulator should be cleaned as well as fuel injectors
- 8) Fuel injection service is being discussed. Technician A says that the throttle plate(s) should be cleaned. Technician B says that the fuel rail should be cleaned. Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 9) What should be done if the fuel pressure regulator will NOT hold vacuum? 9) _____
- A) Replacement
 - B) Cleaning
 - C) Adjustment
 - D) Nothing; this is normal.
- 10) The fuel pressure drops rapidly when the engine is turned off. Technician A says that one or more injectors could be leaking. Technician B says that a defective check valve in the fuel pump could be the cause. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

Answer Key

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- 1) A
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- 2) A
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- 3) D
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- 4) A
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- 5) C
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- 6) D
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- 7) A
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- 8) C
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- 9) A
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- 10) C
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