

Name: _____ Date: _____

1. What is NOT required to reprogram a vehicle's engine control module?
 - A. A good Internet connection
 - B. A manufacturer's scan tool
 - C. A pass-through device
 - D. A computer that meets the minimum specifications

2. SAE J2534 is a mandated specification to all automakers who sell vehicles in the United States after 2004 to _____.
 - A. have standard data link connectors
 - B. support reprogramming of the EEPROM
 - C. make service information available to all who service vehicle emissions
 - D. All of the above

3. How was programming updated before 1996?
 - A. A new computer had to be installed
 - B. A replaceable PROM was used
 - C. The control cable was replaced
 - D. The instrument panel cluster (IPC) was updated

4. What does a pass-through device do?
 - A. It is used between the vehicle and the scan tool
 - B. It passes data between the DLC and the computer used to program a vehicle
 - C. It is used only for off-board programming
 - D. It is used to monitor the data being transferred

5. Aftermarket programmers may create an issue of _____.
 - A. noncompliance
 - B. excessive cost to the vehicle owner
 - C. not being certified by EPA/CARB
 - D. Both A and C

6. What type of battery charger is specified when reprogramming?
 - A. Must be a low-voltage, high-amperage charger
 - B. Must use a battery charger that produces little, if any, voltage fluctuations
 - C. Must be able to communicate with the J2534 unit
 - D. Needs to be OBD/CARB approved

7. What organization created the J2534 standard?
 - A. EPA
 - B. CARB
 - C. SAE
 - D. OBD

8. Which method can be used to reprogram an engine control module?

- A. On-board
- B. Off-board
- C. Remote
- D. Any of the above

9. A battery maintainer is used during reprogramming to _____.

- A. make sure the OBDII data is not lost
- B. make sure the customer's radio stations are not lost
- C. make sure the system voltage does not drop during the reprogramming event
- D. All of the above

10. Why is it important to use a battery maintainer when reprogramming a module?

- A. To prevent data loss
- B. To maintain system voltage
- C. To avoid interruption of the reprogramming process
- D. All of the above

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Chapter 84

Multiple Choice Quiz A

Answer Key

1. B

2. D

3. B

4. B

5. D

6. B

7. C

8. D

9. D

10. D