

Name _____

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

- 1) Technician A says that airbag electrical terminals are copper-plated to protect against corrosion. Technician B says that pretensioners are explosive (pyrotechnic) devices which remove the slack from the seat belt and help position the occupant. Which technician is correct? 1) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 2) On some vehicles, the side curtain airbags use which of the following devices to determine when to deploy? 2) _____
A) Wheel speed sensors
B) Lateral acceleration sensor
C) Passenger presence system (PPS) seat sensor
D) Both A and B
- 3) What color are the airbag connectors and conduit? 3) _____
A) Blue
B) Red
C) Yellow
D) Orange
- 4) A vehicle is being repaired after an airbag deployment. Technician A says that the inflator module should be handled as if it is still live. Technician B says rubber gloves should be worn to prevent skin irritation. Which technician is correct? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 5) During an airbag deployment, the vehicle event data recorder (EDR) will record all of these EXCEPT _____. 5) _____
A) Passenger voice sounds
B) Vehicle speed
C) Brake on/off
D) G-forces
- 6) The force required to deploy a typical airbag is approximately equal to the force of a vehicle hitting a wall at over _____ miles per hour 6) _____
A) 15-10
B) 3-5
C) 10
D) 15

- 7) To cause inflation, closing of the _____ is required to provide the power-side voltage to the inflator module. 7) _____
- A) Arming sensor
 - B) Forward discriminating sensor
 - C) Electronic Frontal Sensor (EFS)
 - D) Seat Position Sensor (SPS)
- 8) Which parameters might be stored in the airbag controller in the event of a deployment? 8) _____
- A) Voice recordings
 - B) A 10-second video of the driver
 - C) Whether the windows were open or closed
 - D) Seat belt fastened
- 9) Technician A says that two sensors must be triggered at the same time for an airbag deployment to occur. Technician B says that frontal airbags only operate within 60 degrees from center and do not deploy in the event of a side or rear collision. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) The passenger presence sensing system uses sensors located _____ to detect a passenger. 10) _____
- A) In the instrument panel
 - B) In the seat cushion
 - C) Under the passenger floor carpet
 - D) In the arm rest

Answer Key

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1) B

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2) D

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3) C

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4) C

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5) A

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6) C

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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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