

Name _____

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

- 1) Which of these is an explosive (pyrotechnic) device that tightens the seat belt as the airbag is being deployed? 1) _____
 - A) Seat switch
 - B) Pretensioner
 - C) Clockspring
 - D) Igniter

- 2) The electrical terminals used for airbag systems are unique because they are plated with which of these metals? 2) _____
 - A) Solid copper
 - B) Tin plated heavy-gauge steel
 - C) Silver plated
 - D) Gold plated

- 3) Where are shorting bars used? 3) _____
 - A) In pretensioners
 - B) At the connectors for airbags
 - C) In the crash sensors
 - D) In the airbag controller

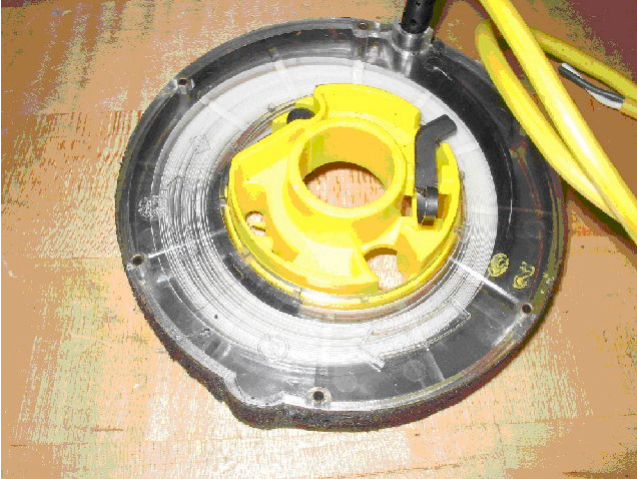
- 4) To cause inflation, the closing of the _____ is required to provide the power-side voltage to the inflator module. 4) _____
 - A) Arming sensor
 - B) Forward discriminating sensor
 - C) Electronic Frontal Sensor (EFS)
 - D) Seat Position sensor (SPS)

- 5) On a vehicle equipped with an occupant detection system, how much weight is required in the seat before the passenger airbag deploys at full force? 5) _____
 - A) More than 99 lbs.
 - B) Between 10 and 37 lbs
 - C) More than 40 lbs, but less than 99 lbs.
 - D) None of these

- 6) Which of these is the heating element used to ignite the gas-generating material, usually sodium azide? 6) _____
 - A) Squib
 - B) Pretensioner
 - C) Coil
 - D) Element

- 7) 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. Who is right? 7) _____
- A) A only
 - B) B only
 - C) Both A and B
 - D) Neither A nor B

- 8) Which air bag system component is shown in this illustration? 8) _____



- A) Arming sensor
 - B) Squib
 - C) Horn contact
 - D) Clockspring
- 9) When servicing an air bag, which of these is the first step taken? 9) _____
- A) Disconnect the battery negative cable
 - B) Disconnect the clockspring electrical connector
 - C) Take resistance measurements at all electrical connectors
 - D) Disconnect the impact sensors
- 10) What conducts power and ground to the driver's side airbag? 10) _____
- A) Twisted pair wires
 - B) Clockspring
 - C) Carbon contact and brass surface plate on steering column
 - D) Magnetic reed switch

Answer Key

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- 1) B
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- 2) D
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- 3) B
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- 4) A
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- 5) A
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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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