

Name \_\_\_\_\_

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

- 1) Technician A says that many power windows and power door locks use a permanent-magnet motor with a built-in circuit breaker and is reversible. Technician B says that the control switches and relays direct the current through the motor(s). Who is right? 1) \_\_\_\_\_  
A) A only  
B) B only  
C) Both A and B  
D) Neither A nor B
- 2) A defective APP sensor will cause \_\_\_\_\_. 2) \_\_\_\_\_  
A) Malfunction of the electronic throttle control  
B) Malfunction of the cruise control system  
C) Both A and B  
D) Neither A nor B
- 3) Which of the following General Motors anti-theft systems do NOT require replacement keys to be learned by the system 3) \_\_\_\_\_  
A) Passlock  
B) Passkey III  
C) Passkey III+  
D) All of these require the key to be learned
- 4) The owner of a vehicle equipped with cruise control complains that the cruise control often stops working when driving over a rough or bumpy road. Technician A says that the brake switch may be out of adjustment. Technician B says that a defective servo unit is the most likely cause. Who is right? 4) \_\_\_\_\_  
A) A only  
B) B only  
C) Both A and B  
D) Neither A nor B
- 5) On a vehicle with adjustable pedals both the \_\_\_\_\_ and the \_\_\_\_\_ are adjustable. 5) \_\_\_\_\_  
A) Accelerator pedal/brake pedal  
B) Brake pedal/parking brake pedal  
C) Accelerator pedal/horn switch  
D) Brake pedal/foot rest
- 6) Technician A says that the cruise control on a vehicle equipped with an electronic throttle control (ETC) system uses a servo to move the throttle. Technician B says that the cruise control on a vehicle with ETC uses the APP (Accelerator Pedal Position) sensor to set the speed. Who is right? 6) \_\_\_\_\_  
A) A only  
B) B only  
C) Both A and B  
D) Neither A nor B

- 7) Power window systems use \_\_\_\_\_ motors? 7) \_\_\_\_\_  
A) Unidirectional  
B) Reversible  
C) Stepper  
D) Servo
- 8) A vehicle equipped with heated and cooled seats is in the shop for service. What special service may be required for the seats? 8) \_\_\_\_\_  
A) Checking the heating/cooling element filter  
B) Refilling the seat coolant fluid  
C) resetting the seat timer  
D) Changing the Peltier elements
- 9) The temperature of heated seats is regulated by \_\_\_\_\_. 9) \_\_\_\_\_  
A) A seat cushion temperature sensor and seat module  
B) Thick seat insulation  
C) A heat sensor on top of the under-seat carpet  
D) None of these
- 10) A typical 6 way power seat uses \_\_\_\_\_. 10) \_\_\_\_\_  
A) 6-9 separate PM non-grounded electric motors  
B) 1-3 motors (depending on manufacturer)  
C) 6 separate grounded electric motors only  
D) 2 electric motors and a 3-way direct acting transmission

## Answer Key

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1) C

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2) C

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3) A

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4) A

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5) A

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6) D

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7) B

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8) A

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9) A

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10) B

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