

Name _____

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

- 1) At highway speeds, the EPS system will provide _____ steering assist. 1) _____
 - A) additional
 - B) more
 - C) less
 - D) no

- 2) The steering torque sensor in an electric power steering system senses _____. 2) _____
 - A) steering wheel torque
 - B) steering wheel direction
 - C) both A and B
 - D) neither A nor B

- 3) The two basic types of electric power steering include _____. 3) _____
 - A) engine mounted and column mounted
 - B) column mounted and rack mounted
 - C) electro-hydraulic and rack mounted
 - D) engine driven and battery powered

- 4) What type of motor is used in most electric power steering (EPS) systems? 4) _____
 - A) AC brush type
 - B) DC brushless
 - C) Stepper
 - D) None of the above

- 5) If a fault is detected in the electric power steering system, what dash light is turned on? 5) _____
 - A) The "check engine" light
 - B) The "service vehicle soon" light
 - C) The power steering warning light
 - D) Either B or C

- 6) Electro-hydraulic power steering systems use _____. 6) _____
 - A) an electric motor to power a hydraulic pump
 - B) a conventional hydraulic power steering gear
 - C) an engine-driven hydraulic power steering pump and an electric motor steering gear
 - D) both A and B

- 7) The power steering control module will enter a self protection mode in the case of a(n) _____ condition. 7) _____
 - A) high temperature
 - B) strong cross-wind
 - C) low tire pressure
 - D) icing

- 8) The EPS control unit will vary the _____ to the EPS motor, depending on sensor inputs. 8) _____
- A) RPM
 - B) voltage
 - C) pressure
 - D) amperage
- 9) If the steering column of an electric power steering system vehicle is replaced, what may have to be recalibrated by the electric power steering control module? 9) _____
- A) Lock-to-lock distance
 - B) Vehicle toe-in
 - C) Torque sensor zero
 - D) Turn signal cancel trigger
- 10) Self-park systems use what sensors and EPS to achieve the parking maneuver? 10) _____
- A) Wheel speed sensors (WSS)
 - B) Steering wheel position sensor
 - C) Ultrasonic sensors
 - D) All of the above

Answer Key

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1) C

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2) C

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3) B

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4) B

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5) D

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6) D

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7) A

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8) D

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9) C

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10) D

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