

Name _____

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

- 1) The steering torque sensor in an electric power steering system senses _____.
 - A) steering wheel torque
 - B) steering wheel direction
 - C) Both A and B
 - D) Neither A nor B

- 2) 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?
 - A) Lock-to-lock distance
 - B) Vehicle toe-in
 - C) Torque sensor zero
 - D) Turn signal cancel trigger

- 3) Self-park systems use what sensors and EPS to achieve the parking maneuver?
 - A) Wheel speed sensors (WSS)
 - B) Steering wheel position sensor
 - C) Ultrasonic sensors
 - D) All of the above

- 4) What diagnostic equipment is usually needed to diagnose faults or relearn the electric power steering system?
 - A) Special electronic diagnostic equipment designed to test each specific system
 - B) Factory or factory-level scan tool
 - C) A breakout box
 - D) A 12-volt test light

- 5) While troubleshooting an electric power steering (EPS) system concern, a scan tool displays DTC U0073. What part of the EPS system has detected a fault?
 - A) The motor circuit
 - B) Data communication
 - C) Torque sensor
 - D) Steering angle sensor

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

- 7) A typical electric motor used in electric power steering systems produces about how much power?
 - A) 1/4 horsepower
 - B) 1/2 horsepower
 - C) 3/4 horsepower
 - D) 1 horsepower

- 8) The electro-hydraulic power steering pump provides hydraulic power to the steering gear and _____.
- A) brake booster
 - B) valve lifters
 - C) cooling fan clutch
 - D) hydraulic level control system
- 9) The two basic types of electric power steering include _____.
- A) engine mounted and column mounted
 - B) column mounted and rack mounted
 - C) electro-hydraulic and rack mounted
 - D) engine driven and battery powered
- 10) On a vehicle with a self-parking feature, what sensor is added to the normal electric power steering sensors that allows self-parking?
- A) A parking angle sensor
 - B) Cameras
 - C) Curb contact sensors
 - D) Corner weight sensors

Answer Key

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1) C

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2) C

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3) D

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4) B

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5) A

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6) A

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7) D

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8) A

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9) B

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10) B

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