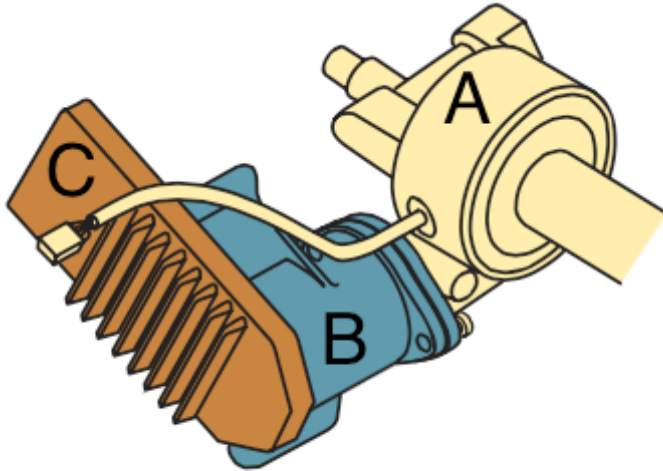


Name \_\_\_\_\_

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

- 1) Electro-hydraulic power steering systems use \_\_\_\_\_.
  - 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
  
- 2) The steering shaft torque sensor uses \_\_\_\_\_ as inputs to the EPS control module.
  - A) calibrated springs
  - B) vacuum pulses
  - C) viscous resistances
  - D) voltage signals
  
- 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) 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

5) Which of these contains the electric power steering system torque sensor?



- A) A
- B) B
- C) C
- D) None of these

6) 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

7) What type of diagnostic trouble codes will be set when an EPS system fault is detected?

- A) Type A code
- B) Type B code
- C) Type C code
- D) Type D code

8) Which of these must be serviced together, as a unit?

- A) Steering wheel and air bag
- B) Steering torque and position sensors
- C) Steering warning lamp and PSCM
- D) All of these can be serviced individually.

9) The advantages of electric power steering compared to hydraulic power steering include \_\_\_\_\_.

- A) less weight
- B) improved fuel economy
- C) increased usable engine power
- D) All of the above

- 10) 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

## Answer Key

Testname: ASSA8\_15A

- 1) D  
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- 2) D  
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- 3) D  
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- 4) A  
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- 5) A  
Page Ref: 274
- 6) A  
Page Ref: 277
- 7) C  
Page Ref: 276
- 8) B  
Page Ref: 272, 274
- 9) D  
Page Ref: 271
- 10) C  
Page Ref: 272