

Name _____

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

- 1) Some vehicles are equipped to signal the computer whenever the power steering pressures increase so the idle speed can be increased to prevent stalling during turns at low speeds. What component signals the computer?
 - A) Pressure relief valve
 - B) Power steering pressure switch
 - C) Rotary valve
 - D) Flow control valve

- 2) A power steering pressure gauge is being used to diagnose a system problem on a rack and pinion system. When the wheels are turned all the way left, a pressure reading less than specification is found. When the gauge valve is closed, the pressure reading is within specifications. Technician A says that the pump pressure regulator is bad. Technician B says that there is a problem in the rack assembly. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 3) What is the maximum pressure a power steering pump provides during parking?
 - A) 1400 psi
 - B) 500 psi
 - C) 250 psi
 - D) 90 psi

- 4) Technician A says that some power assist systems use an external cooler for the power steering fluid. Technician B says that the cooler is located in the pressure line, before the steering gear box. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 5) Electronically controlled variable-assist power steering systems vary the amount of boost by _____.
 - A) varying the pump output orifice size
 - B) speeding up or slowing down the power steering pump
 - C) changing the flow of fluid through the steering gear
 - D) bypassing some of the fluid back into the reservoir

- 6) Which of these is NOT part of a power steering rotary control valve?
 - A) Torsion bar
 - B) Inner valve element
 - C) Pinion drive gear
 - D) Outer valve element

- 7) The power steering fluid is usually contained in a _____ reservoir.
- A) cast iron
 - B) remote mounted
 - C) flexible
 - D) low mounted
- 8) What input(s) do/does the Magnasteer system use to determine the amount of power steering assist needed?
- A) Wheel speed sensor
 - B) Mass airflow sensor
 - C) Both A and B
 - D) Neither A nor B
- 9) A system flush is required when any major power steering repair is performed.
- A) True
 - B) False
- 10) How much effort is typically required to turn the steering wheel on vehicles with power steering?
- A) 2-3.5 lbs.
 - B) 5-7 lbs.
 - C) 0.5-1.5 lbs.
 - D) 10 lbs. or more

Answer Key

Testname: ASSA8_14A

1) B

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2) B

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3) A

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4) A

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5) A

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6) C

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7) B

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8) A

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9) A

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10) A

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