

Name \_\_\_\_\_

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

- 1) An accumulator, such as that used on hydraulic brake boosters, \_\_\_\_\_. 1) \_\_\_\_\_
  - A) reduces brake pedal noise
  - B) provides higher force being fed back to the driver's foot
  - C) provides a reserve in the event of a failure
  - D) works against engine vacuum
  
- 2) Technician A says that to check the operation of a vacuum brake booster, the brake pedal should be depressed until the assist is depleted and then start the engine. Technician B says that the brake pedal should drop when the engine starts, if the booster is okay. Which technician is correct? 2) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
- 3) A common source of vacuum for boosters used on diesel engines is a(n) \_\_\_\_\_. 3) \_\_\_\_\_
  - A) intake manifold
  - B) auxiliary vacuum pump
  - C) exhaust manifold
  - D) carburetor
  
- 4) The pushrod length should be checked whenever a new master cylinder is installed. 4) \_\_\_\_\_
  - A) True
  - B) False
  
- 5) Some vacuum boosters have more than one power diaphragm. 5) \_\_\_\_\_
  - A) True
  - B) False
  
- 6) Two technicians are discussing vacuum brake boosters. Technician A says that a low, soft brake pedal is an indication of a defective booster. Technician B says that there should be at least two power-assisted brake applications after the engine stops running. Which technician is correct? 6) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
- 7) A power brake booster provides which of the following design features? 7) \_\_\_\_\_
  - A) Reduced stopping distance
  - B) Reduced pedal effort
  - C) High brake pedal effort
  - D) A lower brake pedal position

- 8) If the engine stops running, what is the most likely to occur if the vehicle is equipped with a Hydro-Boost power brake system? 8) \_\_\_\_\_
- A) Normal braking using the accumulator pressure
  - B) Greatly reduced braking distance but a normal feeling brake pedal
  - C) A high and hard brake pedal
  - D) A low and spongy brake pedal
- 9) The brake assist system (BAS) is activated \_\_\_\_\_. 9) \_\_\_\_\_
- A) during a panic stop
  - B) whenever the brakes are applied
  - C) only in the rain
  - D) only on the rear brakes
- 10) A Hydro-Boost unit uses the power steering pump as a source of power. 10) \_\_\_\_\_
- A) True
  - B) False

## 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) A

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5) A

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6) B

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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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