

Name \_\_\_\_\_

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

- 1) If the engine stops running, what is the most likely to occur if the vehicle is equipped with a Hydro-Boost power brake system? 1) \_\_\_\_\_  
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
  
- 2) A Hydro-Boost unit uses the power steering pump as a source of power. 2) \_\_\_\_\_  
A) True  
B) False
  
- 3) Two technicians are discussing vacuum brake boosters. Technician A says that when the engine is running and the driver's foot is off the brake pedal, a vacuum is present on both sides of the booster diaphragm. Technician B says that when the brakes are in the applied position, vacuum is present on the front side of the diaphragm. Which technician is correct? 3) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians A and B  
D) Neither technician A nor B
  
- 4) Some vacuum boosters have more than one power diaphragm. 4) \_\_\_\_\_  
A) True  
B) False
  
- 5) A hydraulically operated booster unit stores fluid under pressure by means of a(n) \_\_\_\_\_. 5) \_\_\_\_\_  
A) boost piston  
B) pressure chamber  
C) actuator  
D) accumulator
  
- 6) Which of these could be caused by an improperly adjusted booster pushrod? 6) \_\_\_\_\_  
A) Brakes to overheat  
B) A soft pedal  
C) A low pedal  
D) None of these
  
- 7) The brake assist system (BAS) is activated \_\_\_\_\_. 7) \_\_\_\_\_  
A) during a panic stop  
B) whenever the brakes are applied  
C) only in the rain  
D) only on the rear brakes

8) The proper operation of a vacuum brake booster requires that the engine be capable of supplying at least \_\_\_\_\_.

8) \_\_\_\_\_

- A) 15 in. Hg vacuum
- B) 17 in. Hg vacuum
- C) 19 in. Hg vacuum
- D) 21 in. Hg vacuum

9) What component is the technician holding in this photograph?

9) \_\_\_\_\_



- A) Check valve
- B) Vacuum elbow
- C) Vacuum sensor
- D) Fluid plug

10) A power brake booster provides which of the following design features?

10) \_\_\_\_\_

- A) Reduced stopping distance
- B) Reduced pedal effort
- C) High brake pedal effort
- D) A lower brake pedal position

## Answer Key

Testname: CHASSIS8\_17A

- 1) A  
Page Ref: 284
- 2) A  
Page Ref: 281
- 3) C  
Page Ref: 276
- 4) A  
Page Ref: 277
- 5) D  
Page Ref: 282
- 6) A  
Page Ref: 279
- 7) A  
Page Ref: 278
- 8) A  
Page Ref: 274
- 9) A  
Page Ref: 275
- 10) B  
Page Ref: 272