Automotive Technology 6th Edition
Chapter 109 - Power Brake Unit Operation, Diagnosis, and Service
Quiz 109B

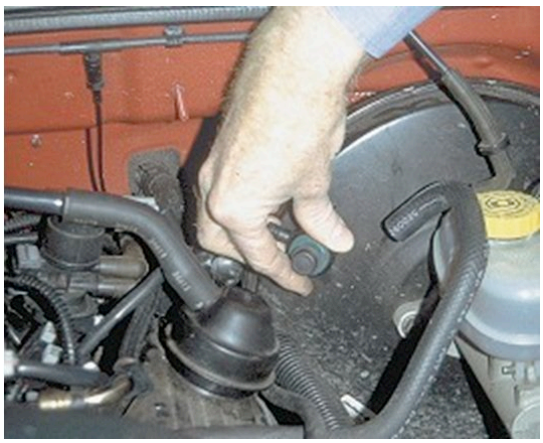
Name_____

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

1) Pushrod adjustment is checked with a _____. 1) _____
A) feeler gauge
B) variable gauge
C) either A or B
D) neither A nor B

2) If the engine stops running, what is the most likely to occur if the vehicle is equipped with a Hydro-Boost power brake system? 2) _____
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

3) What component is the technician holding in this photograph? 3) _____



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

4) Which of these could be caused by an improperly adjusted booster pushrod? 4) _____
A) Brakes to overheat
B) A soft pedal
C) A low pedal
D) None of these

5) A defective vacuum brake booster will cause a _____. 5) _____
A) hard brake pedal
B) soft (spongy) brake pedal
C) low brake pedal
D) slight hiss noise when the brake pedal is depressed

6) Technician A says when the brakes are applied in a vacuum booster, the vacuum control valve is closed. Technician B says the vacuum control valve is opened. Which technician is correct? 6) _____

A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

7) To provide the driver with a sense of "feel" during braking, vacuum boosters use a _____. 7) _____

A) pressure restrictor
B) diaphragm spacer
C) return spring
D) vacuum diverter

8) The booster operation test determines if the booster is _____. 8) _____

A) receiving adequate vacuum
B) creating brake application force
C) both A and B
D) neither A nor B

9) An accumulator, such as that used on hydraulic brake boosters _____. 9) _____

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

10) A hydraulically operated booster unit stores fluid under pressure by means of a(n) _____. 10) _____

A) boost piston
B) pressure chamber
C) actuator
D) accumulator

Answer Key
Testname: AT6_109B

1) B
Page Ref: 1300
2) A
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3) A
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4) A
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5) A
Page Ref: 1298
6) A
Page Ref: 1297
7) C
Page Ref: 1297
8) C
Page Ref: 1298
9) C
Page Ref: 1302
10) D
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