

Name _____

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

- 1) If 200 psi of hydraulic pressure is applied to a two-square-inch caliper piston, the brake application force on a one-square-inch piston will be _____. 1) _____
 - A) 100 psi
 - B) 200 psi
 - C) 300 psi
 - D) 400 psi

- 2) Two technicians are discussing a problem where the brake pedal travels too far before the vehicle starts to slow. Technician A says that the brakes may be out of adjustment. Technician B says that one circuit from the master cylinder may be leaking or defective. 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

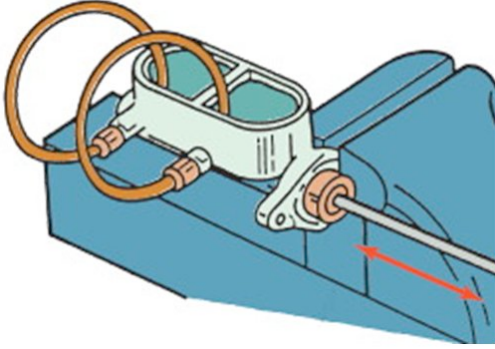
- 3) If the brake pedal linkage is not adjusted correctly, brake fluid may not be able to expand back into the reservoir through the _____ of the master cylinder when the brakes get hot. 3) _____
 - A) vent port (forward hole)
 - B) replenishing port (rearward hole)
 - C) cap seal
 - D) caliper vent

- 4) The master cylinder is able to move about how much brake fluid during each brake application? 4) _____
 - A) One tablespoon
 - B) One teaspoon
 - C) One cu. in.
 - D) 50 ml

- 5) Brakes that drag or fail to release can be caused by a _____. 5) _____
 - A) leaking primary cup
 - B) leaking secondary cup
 - C) plugged vent port (compensating port)
 - D) failure of the residual pressure (check) valve

6) What service is being performed in this illustration?

6) _____



- A) Honing a master cylinder
- B) Bench bleeding of a master cylinder
- C) Testing master cylinder pressures
- D) Lubricating a master cylinder before installation

7) Brake fluid pressure is measured in what unit?

7) _____

- A) Sq. in.
- B) Pounds
- C) Inches
- D) PSI

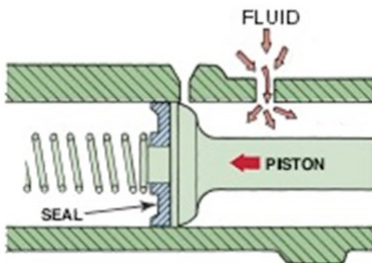
8) The primary brake circuit fails due to a leak in the lines, leaving the secondary section of a front/rear split master cylinder operational. Technician A says that the driver will notice a lower than normal brake pedal and some reduced braking power. Technician B says that the brake pedal will "grab" higher than normal. Which technician is correct?

8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians A and B
- D) Neither technician A nor B

9) What action of the master cylinder is illustrated below?

9) _____



- A) Brakes being applied
- B) Brakes being released
- C) Brakes at rest
- D) None of these

- 10) Two technicians are discussing overhauling master brake cylinders. Technician A says that the manufacturer may recommend replacement of the entire master cylinder assembly instead of an overhaul. Technician B says that many overhaul kits include replacement piston assemblies. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

Answer Key

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1) D

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2) C

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3) A

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4) B

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5) C

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6) B

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7) D

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8) A

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9) A

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10) C

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