

Name \_\_\_\_\_

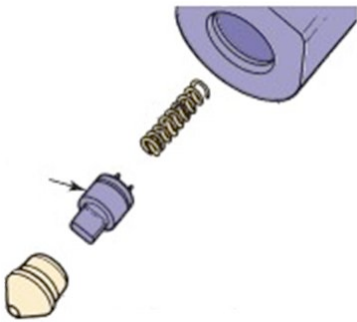
**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

1) A typical brake pedal position sensor /switch is \_\_\_\_\_. 1) \_\_\_\_\_  
A) electrically normally open  
B) electrically normally closed  
C) checked using an ammeter  
D) checked using a special tester

2) The ratio of front to rear hydraulic system pressure supplied to the rear brakes by the proportioning valve is called \_\_\_\_\_. 2) \_\_\_\_\_  
A) slope  
B) split point  
C) limit point  
D) pressure limit

3) The metering valve delays front brake action. 3) \_\_\_\_\_  
A) True  
B) False

4) Identify the valve shown (arrow). 4) \_\_\_\_\_



- A) Residual check valve
- B) Metering valve
- C) Proportioning valve
- D) Take-up valve

5) Dual braking systems sometimes use a fluid level switch in place of a pressure differential switch. 5) \_\_\_\_\_  
A) True  
B) False

6) The metering valve blocks fluid flow to the front brakes when pressure reaches 75 to 125 psi. 6) \_\_\_\_\_  
A) True  
B) False

- 7) Technician A says that the red brake warning light can be turned on if a difference in pressure is detected by the pressure differential switch. Technician B says that the red brake warning light can be turned on if the brake fluid level sensor detected low brake fluid level. Which technician is correct? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) Which of these is a three-wire sensor, used by the electronic stability control (ESC) system? 8) \_\_\_\_\_
- A) Metering valve
  - B) Brake switch
  - C) ESC sensor
  - D) Brake pedal position sensor
- 9) A visual inspection of the metering valve includes \_\_\_\_\_. 9) \_\_\_\_\_
- A) inspection for excessive leakage
  - B) verifying that the valve stem moves when the brakes are applied
  - C) both A and B
  - D) neither A nor B
- 10) The rear brakes lock up during hard braking. Technician A says the metering valve could be the cause. Technician B says that a defective proportioning valve could be the cause. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

## Answer Key

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1) A

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2) A

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3) A

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4) A

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5) A

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6) B

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7) C

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8) D

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9) C

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10) B

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