

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

- 1) Two technicians are discussing the metering valve in a front-disc, rear-drum braking system. Technician A says the metering valve delays application of the front brakes. Technician B says the metering valve delays the application of the rear brakes. Which technician is correct? 1) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians D) Neither technician

- 2) Identify the valve shown (arrow). 2) \_\_\_\_\_



- A) Residual check valve B) Metering valve  
C) Proportioning valve D) Take-up valve
- 3) The pressure at which a proportioning valve begins to limit pressure to the rear brakes is called the 3) \_\_\_\_\_  
\_\_\_\_\_.  
A) Slope B) Pressure limit C) Limit point D) Split point

- 4) A vehicle pulls to the left during braking. Technician A says that the metering valve may be defective. Technician B says that the proportioning valve may be defective. Which technician is correct? 4) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians D) Neither technician

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 5) Braking systems sometimes use a fluid level switch instead of a pressure differential switch. 5) \_\_\_\_\_

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- 6) Technician A says the height-sensing proportioning valve changes its split point by means of a rotating cam. Technician B says levers are used in conjunction with the height-sensing proportioning valve. Which technician is correct? 6) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians D) Neither technician

- 7) A residual check valve is used to \_\_\_\_\_. 7) \_\_\_\_\_
- A) Speed brake release to reduce brake wear
  - B) Prevent front wheel lockup during hard braking
  - C) Maintain a slight pressure on the hydraulic system
  - D) Prevent rear wheel lockup during hard braking

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 8) The metering valve closes fluid flow to the front brakes when pressure reaches 75 to 300 psi. 8) \_\_\_\_\_

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

- 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) A vehicle pulls to the left during braking. Technician A says that the metering valve may be defective. Technician B says the proportioning valve may be defective. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician