

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What is the difference between checking for venting (compensation) and bypassing?

2) Explain Pascal's Law.

3) How does a master cylinder work?

4) Discuss the difference between a dual split and a diagonal split master cylinder.

Answer Key

Testname: BRAKES7_SHORT5

1) Venting occurs every time the brake pedal is depressed, which forces a small amount of brake fluid up into the master cylinder reservoir as the primary piston is moving forward. Bypassing is a fault where brake fluid from the rear circuit is forced into the front brake circuit.

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2) Pascal's Law states that when force is applied to a confined liquid, the pressure is equally transmitted undiminished and in every direction.

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3) The force of the driver's foot on the brake pedal compresses brake fluid in the master cylinder using two pistons, one for each circuit.

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4) A dual split hydraulic system separates the two front wheel brakes into one circuit and the two rear wheel brakes into another circuit whereas, a diagonally split system separates the brakes into right front and left rear on one circuit and left front and right rear on the other circuit.

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