Automotive Technology 7th Edition
Chapter 101: Disc Brake Diagnosis and Service
Short Answer Quiz

Name: _____ Date: _____

1. How does a technician determine if a caliper piston is stuck or if the caliper is unable to "float," and what are the implications of these conditions on brake pad wear?

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2. What is the significance of the brake pad thickness gauge, and how does it contribute to the documentation of brake service?

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3. Explain the procedure and importance of using a brake pressure tester between the caliper piston and the rotor. How does this test contribute to diagnosing brake issues?

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4. Discuss the steps involved in verifying a customer complaint regarding brake issues and why it is crucial to let the owner drive the vehicle during this verification process.

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5. What are the potential causes of excessive pedal effort in disc brake systems, and how does lubrication play a role in preventing brake noise?

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6. Describe the process and rationale behind using a special tool to rotate the piston back into the brake calipers when replacing disc brake pads.

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7. Why should the brake fluid be removed from the master cylinder before servicing disc brakes, and what is the proper disposal method for used brake fluid?

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8. What are the possible causes of a vehicle pulling to one side during braking, and how can pressure testing help identify the issue?

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9. After installing new disc brake pads, what steps should be taken to ensure proper brake function, and why is it necessary to pump the brake pedal several times?

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10. In the case study summarized on page 3, what was the cause of the frequent need for front caliper replacement, and what corrective actions were taken to address the issue?

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