

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?

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

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?

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.

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?

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

Name:

Date:

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.

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?

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

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?

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?