Automotive Technology 6th Edition
Chapter 107

Name_____

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

1) What are the two types of electric parking brakes?

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2) How does a typical parking brake function on a vehicle equipped with an integral rear disc brake system?

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3) What is wrong when the parking brake cable is swollen?

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4) How does a typical parking brake function on a vehicle equipped with rear drum brakes?

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5) How is a parking brake properly adjusted?

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1) Electric parking brake (EPB) systems are available using two different designs including the following:
   - A cable-pulling type that uses an electric motor to pull the parking brake cable rather than a mechanical handle or foot pedal.
   - A more advanced unit uses a computer-controlled motor attached to the brake caliper to activate it.

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2) The parking brake uses a cable to mechanically apply the caliper piston on a vehicle equipped with integral rear disc brakes. An actuating screw thread inside the caliper piston pushes the caliper piston against the disc brake rotor.
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3) A cable that is larger in diameter in one section indicates that it is rusting inside and has swollen.
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4) The parking brake uses a cable to mechanically (rather than hydraulically) apply the drum brake linings. When the parking brake is applied, a cable moves a parking brake lever that forces the brake shoe against the brake drum.
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5) To properly adjust the parking brake cable, the rear brake must first be inspected and adjusted if necessary. The usual procedure for parking brake cable adjustment includes applying the parking brake 3 or 4 "clicks" and adjusting the cable until the rear brakes are applied.
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