

Name _____

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

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

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

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

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

5) Explain how to adjust a parking brake properly.

Answer Key

Testname: CHASSIS8_SHORT15

- 1) A cable that is larger in diameter in one section indicates that it is rusting inside and has swollen.
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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) 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.[Page Ref: 244-226](#)
- 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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