

Name _____

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

1) Explain how ABS units prevent wheel lockup.

2) List the differences between drum brakes and disc brakes.

3) What is the purpose any brake repair?

4) List the six brake subsystem categories.

5) List ten of the brake tests performed under the Federal Motor Vehicle Safety Standard (FMVSS) 135.

Answer Key

Testname: BRAKES7_SHORT3

- 1) An antilock brake system pulses the brake on and off to prevent the tires from skidding during an ABS event.
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- 2) Disc brakes squeeze two friction pads against both sides of a rotor, whereas in a drum brake, the friction material is forced outward against a rotating drum.
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- 3) The purpose of any repair is to restore like-new performance.
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- 4) The six brake subsystem categories include: apply, boost, hydraulic, wheel brakes, brake balance control, and instrument panel warning lights.
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- 5) The ten tests performed under the FMVSS 135 include: ABS performance, adhesion utilization, cold effectiveness, high-speed effectiveness, stops with engine off, antilock function failure, variable brake proportioning, hydraulic circuit failure, brake power-assist unit inoperative, parking brake.
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