

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Which part of an antilock brake system is used for tire pressure monitoring? 1) _____
A) Brake pedal position (BPP) sensor B) Hydraulic control module
C) Wheel speed sensors D) Yaw sensor

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 2) It is desirable never to lock the wheels during an emergency stop in all types of road conditions. 2) _____

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- 3) A passive wheel speed sensor is also referred as _____. 3) _____
A) Variable reluctance (VR) B) Hall-effect
C) Magneto-resistive (MR) D) Either A or B

- 4) A vehicle ABS may also include which of these additional functions? 4) _____
A) Excessive speed detection B) Hill start assist
C) Vehicle rolling enhancement (VRE) D) Tire pressure control system

- 5) What is the function of the ABS solenoids? 5) _____
A) They directly apply the brake pads
B) To initiate master cylinder pressure
C) They open and close hydraulic passageways
D) They create pressure on the brake pedal

- 6) A customer wanted the ABS checked because of tire chirp noise during hard braking. Technician A says that the speed sensors may be defective. Technician B says that tire chirp is normal during an ABS stop on dry pavement. Which technician is correct? 6) _____
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 7) The faster a wheel rotates, the higher the frequency produced by a wheel speed sensor. 7) _____

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- 8) What causes the ABS control module to switch from a "stand-by" mode to an active mode? 8) _____
A) Brake pedal switch
B) Vehicle speed sensor
C) Wheel deceleration, as sensed by the wheel speed sensor(s)
D) Sudden application of the brakes

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 9) If the antilock brake system fails, the vehicle cannot be driven. 9) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

10) Which of the following components is common to all vehicles equipped with ABS?

10) _____

A) Pressure relief valves

B) Pedal travel sensor

C) Hydraulic modulator unit

D) Ring gear sensor