

Name _____

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

- 1) Two technicians are discussing electronic vacuum operated front hub systems. Technician A says that vacuum is used to engage the hub with the drive axle. Technician B says that vacuum is used to release the hub from the drive axle. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) An AWD transfer case may also include a _____. 2) _____
 - A) Shifter for the front output shaft
 - B) Differential
 - C) Low-range gear set
 - D) All of these

- 3) Technician A says that AWD transfer cases that deliver power to both driveshafts all the time are called electronically active. Technician B says that AWD transfer cases that deliver power to both driveshafts all the time are called mechanically active. Which technician is correct? 3) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 4) Technician A says that engine vacuum is used to connect the front wheel hubs on some electronically controlled 4WD systems. Technician B says that the integrated wheel end disconnect system automatically connects or disconnects the outboard CV joint with the wheel hub on many newer 4WD vehicles. Which technician is correct? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

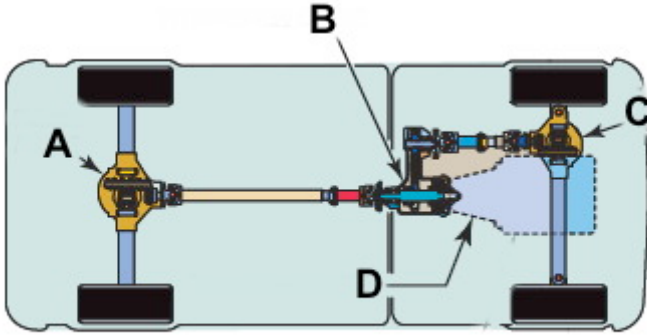
- 5) A transfer case used with a transaxle is called a _____. 5) _____
 - A) Coupler device
 - B) Torque biasing device
 - C) Power transfer unit
 - D) Torque split unit

- 6) Technician A says that AWD vehicles must use four equal diameter tires. Technician B says that unequal tire diameters on an AWD vehicle will cause the center differential to operate constantly. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

7) Technician A says that some front 4WD hubs must be manually locked and unlocked. Technician B says that some front 4WD hubs can be automatically locked and unlocked. Which technician is correct? 7) _____

A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician

8) Which one of these components is the transfer case? 8) _____



- A) A
 B) B
 C) C
 D) None of these

9) What can occur if a part-time four-wheel-drive vehicle is drive on hard pavement in four-wheel drive? 9) _____

- A) Shake and shutter as engine torque is applied to the drive wheels
 B) Slip and hop over the pavement
 C) Driveline vibrations and damage to drive shafts, U-joints, and bearings
 D) All of the above can occur

10) Technician A says that all 4WD utility vehicles use a solid front drive axle. Technician B says that some 4WD utility vehicles use a solid front drive axle with Cardan U-joints at the axle ends. Which technician is correct? 10) _____

- A) Technician A only
 B) Technician B only
 C) Both technicians
 D) Neither technician

Answer Key

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1) A

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2) B

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3) B

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4) C

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5) C

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6) C

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7) C

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8) B

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9) D

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10) B

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