

Name _____

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

- 1) Which starting system component uses a small amount of current to control a large amount of current? 1) _____
A) Starter solenoid or relay
B) Starter brushes
C) Starter drive
D) Neutral safety switch

- 2) Most remote start systems will shut off the engine after _____ minutes unless reset by the remote fob. 2) _____
A) 10
B) 5
C) 30
D) None of these

- 3) A starter motor rotates about _____ times faster than the engine. 3) _____
A) 18
B) 10
C) 5
D) 2

- 4) The starter motor can produce up to _____ horsepower. 4) _____
A) 8
B) 5
C) 20
D) None of these

- 5) Technician A says that a defective solenoid can cause a starter whine. Technician B says that a defective starter drive can cause a starter whining noise. Which technician is correct? 5) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 6) On a vehicle with computer-controlled starting, some key-operated ignition systems, and most push-button-to-start systems use the PCM to crank the engine. The ignition switch start position or the push-to-start button is used as a(n) _____ signal to the PCM. 6) _____
A) output
B) control
C) input
D) relay

- 7) The overrunning clutch (starter drive) accomplishes which of the following? 7) _____
- A) Separates the starter motor from the starter solenoid
 - B) Brings the starter motor into contact with the ignition circuit
 - C) Lets the starter motor rotate in either direction
 - D) Protects the starter motor from spinning too rapidly
- 8) On a vehicle equipped with a stop/start system, the engine stops when the vehicle is stopped at a traffic light. This system increases _____. 8) _____
- A) fuel economy
 - B) CO2 emissions
 - C) hydrocarbon emissions
 - D) idle speed
- 9) The neutral safety switch is located _____. 9) _____
- A) between the starter solenoid and the starter motor
 - B) inside the ignition switch itself
 - C) between the ignition switch and the starter solenoid
 - D) in the battery cable between the battery and the starter solenoid
- 10) Which safety device is used on vehicles with manual transmissions? 10) _____
- A) Clutch safety switch
 - B) Neutral safety switch
 - C) Both A and B
 - D) Neither A nor B

Answer Key

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1) A

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2) A

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3) A

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4) A

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5) B

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6) C

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7) D

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8) A

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9) C

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10) A

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