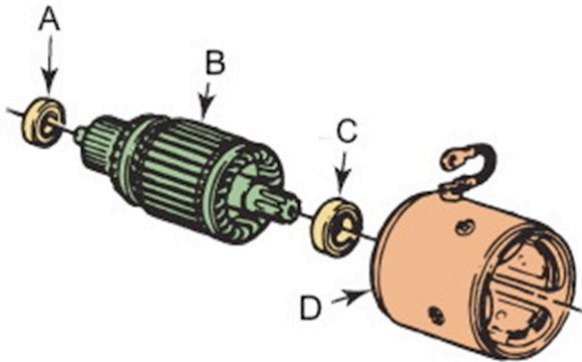


Name _____

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

- 1) After installing the starter, the technician should perform which of the following? 1) _____
- A) Attach the negative battery cable
 - B) Check the starter for proper operation
 - C) Perform a starter voltage drop test before starting the engine
 - D) Both A and B

- 2) Which of these components is the armature? 2) _____



- A) A
- B) B
- C) C
- D) D

- 3) Bench testing of a starter should be done _____. 3) _____
- A) after reassembling an old starter
 - B) before installing a new starter
 - C) after removing the old starter
 - D) both A and B

- 4) What component or circuit can keep the engine from cranking? 4) _____
- A) Antitheft
 - B) Solenoid
 - C) Ignition switch
 - D) All of the above

- 5) A cranking system voltage drop test is being done. Technician A says that the higher the voltage drop, the lower the resistance in the circuit. Technician B says that a high voltage drop in the cranking circuit wiring can cause slow engine cranking. Who is right? 5) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) Which of these can cause a starter grinding noise? 6) _____
A) An over-tightened flywheel
B) Neutral safety switch
C) Defective starter drive
D) Seized engine
- 7) Technician A says that the cranking circuit should be tested for proper amperage draw. 7) _____
Technician B says that an open in the control circuit will not prevent starter motor operation.
Who is right?
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 8) All of these can cause a starter not to rotate, EXCEPT _____. 8) _____
A) defective starter drive
B) shorted field coils
C) defective armature
D) seized engine crankshaft
- 9) Which one of these would NOT be a diagnostic step when diagnosing a "no crank" customer concern? 9) _____
A) Check the condition of the engine oil.
B) Check the operation of the theft deterrent system.
C) Check the battery with a load test.
D) Test for proper operation of the starter enable relay.
- 10) What should be done first before removing the starter motor from the vehicle? 10) _____
A) Remove battery
B) Remove starter solenoid
C) Disconnect starter relay
D) Disconnect negative battery cable

Answer Key

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1) D

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2) B

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3) D

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4) D

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5) B

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6) C

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7) A

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8) A

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9) A

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10) D

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