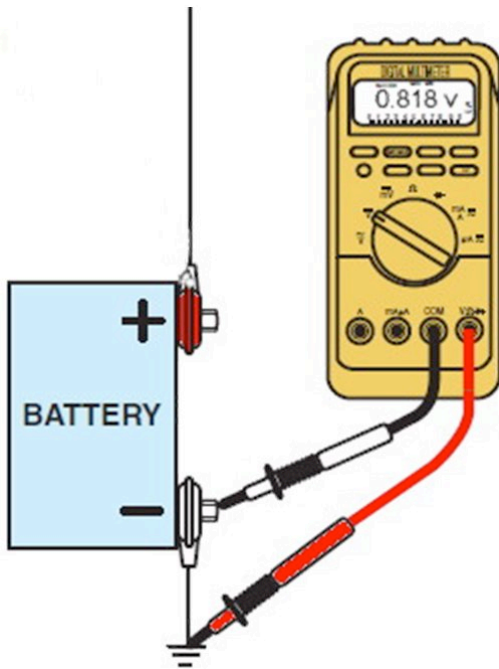


Name _____

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

- 1) A vehicle equipped with a V-8 engine does not crank fast enough to start. Technician A says that the battery could be discharged or defective. Technician B says that the negative cable could be loose at the battery. Which technician is correct? 1) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 2) A voltage drop test on the starter control circuit is used to test which of these starter component(s)? 2) _____
- A) Wiring and connections
 - B) Field coils
 - C) Commutator
 - D) Starter solenoid and field coil
- 3) A growler is used to test what starter component? 3) _____
- A) Field coils
 - B) Armature
 - C) Commutator
 - D) Solenoid
- 4) Which of these tools is MOST likely to be used to determine the starter circuit voltage drop test? 4) _____
- A) Meg ohmmeter
 - B) Voltmeter
 - C) Ohmmeter
 - D) Ammeter

5) This voltage reading was obtained while cranking the engine. The indicated reading (0.816 V) is _____.



- A) Too high
- B) Too low
- C) An inconclusive measurement
- D) Incorrectly done

6) What component or circuit can keep the engine from cranking? 6) _____

- A) Antitheft
- B) Solenoid
- C) Ignition switch
- D) Any of the above

7) Bench testing of a starter should be done _____. 7) _____

- A) after reassembling an old starter
- B) before installing a new starter
- C) after removing the old starter
- D) Both A and B

8) A technician connects one lead of a digital voltmeter to the positive (+) terminal of the battery and the other meter lead to the battery terminal (B) of the starter solenoid and then cranks the engine. During cranking, the voltmeter displays a reading of 878 mV. Technician A says that this reading indicates that the positive battery cable has too high resistance. Technician B says that this reading indicates that the starter is defective. Which technician is correct? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians A and B
- D) Neither technician A nor B

9) All of these can cause a starter not to rotate, EXCEPT _____.

9) _____

- A) Defective starter drive
- B) Shorted field coils
- C) Defective armature
- D) Seized engine crankshaft

10) Slow cranking by the starter can be caused by all of these, EXCEPT _____.

10) _____

- A) a low or discharged battery
- B) corroded or dirty battery cables
- C) engine mechanical problems
- D) open neutral safety switch

Answer Key

Testname: AEEP8_18A

1) C

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2) A

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3) B

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4) B

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5) A

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6) D

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7) D

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8) A

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9) A

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10) D

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