

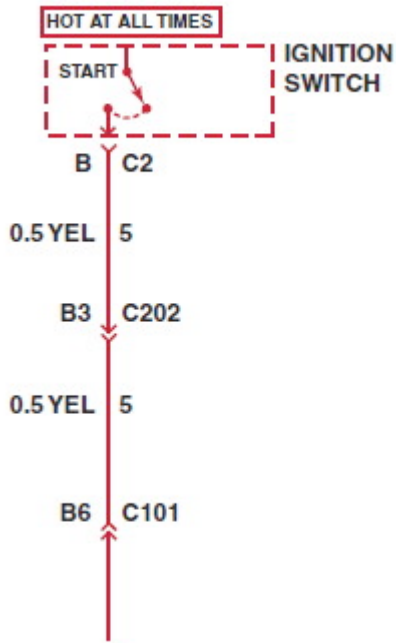
Name _____

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

- 1) When testing a relay using an ohmmeter, which two terminals should be touched to measure the coil resistance? 1) _____
A) 87 and 30
B) 86 and 85
C) 87a and 87
D) 86 and 87
- 2) Technician A says that a good relay should measure between 60 and 100 ohms across the coil terminals. Technician B says that OL should be displayed on an ohmmeter when touching terminals 30 and 87. Which technician is correct? 2) _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
- 3) Which type of DMM can measure current when clamped around a conductor? 3) _____
A) Inductive
B) Selective
C) Reluctive
D) None of these

4) In this diagram the number "0.5" refers to _____.

4) _____



- A) The size of the wire
- B) The circuit number
- C) Current flow in the circuit
- D) The wire color

5) High resistance in an electrical circuit can cause _____.

5) _____

- A) Dim lights
- B) Slow motor operation
- C) Clicking of relays or solenoids
- D) All of the above

6) An electrical conductor is an element with _____ electrons in its outer orbit.

6) _____

- A) Less than 2
- B) Less than 4
- C) Exactly 4
- D) More than 4

7) A Hall-effect sensor produces what type of signal?

7) _____

- A) Sine wave
- B) Square wave
- C) A straight line
- D) A sawtooth pattern

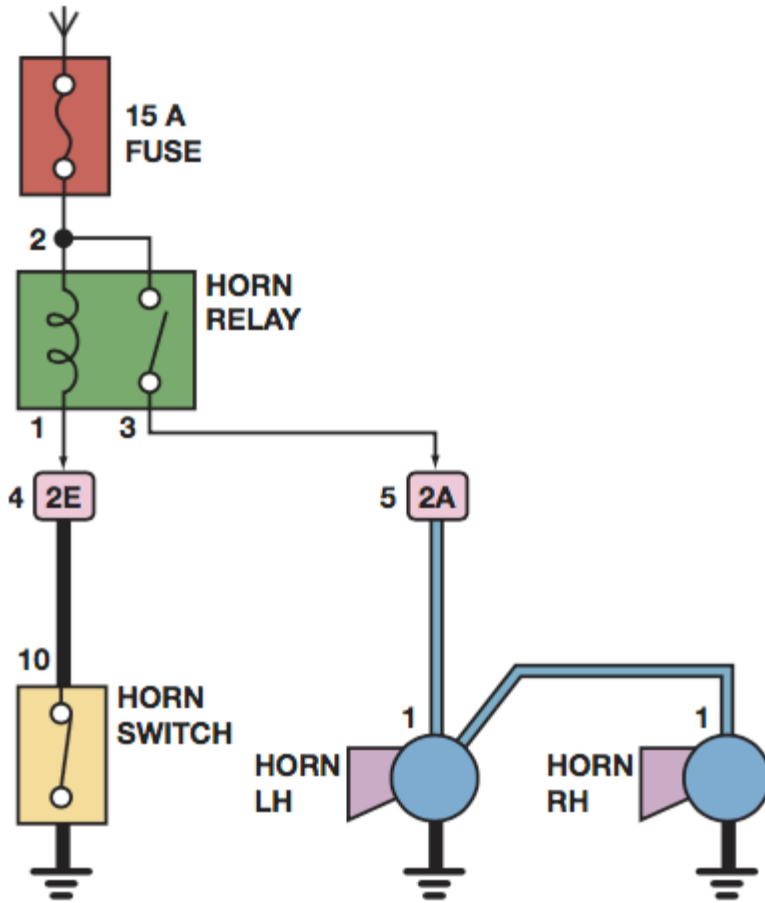
8) A meter reads "0.899 mV. This reading is _____ 1 volt.

8) _____

- A) Less than
- B) More than
- C) The same as
- D) None of these

9) Examine this horn circuit. The horn switch is closed but the relay switch is open, making the horns inoperative. Which of these would NOT could cause this fault?

9) _____



- A) A disconnected ground at the horns
- B) A bad connection at location 10
- C) A bad relay winding
- D) An open wire between locations 1 and 4

10) Which statements are TRUE about wires, terminals, and connectors?

10) _____

- A) A wire is called a lead, and the metal end is a connector
- B) A connector is usually a plastic piece where terminals lock in
- C) A lead and a terminal are the same thing
- D) Both A and C

Answer Key

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1) B

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2) C

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3) A

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4) A

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5) D

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6) B

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7) B

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8) A

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9) A

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10) B

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