

Automotive Technology 7th Edition
Chapter 86: Hybrid and Electric Vehicle Safety
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|--|---|-----------|
| 1. High-Voltage Gloves | A. An amount of current across the heart that can be fatal. | 1. _____ |
| 2. CAT III-Rated Multimeter | B. The process that includes removing the key fob, disconnecting the 12-volt power source, and waiting for capacitors to discharge. | 2. _____ |
| 3. Megohmmeter | C. Indicates wiring with voltages above 60 volts. | 3. _____ |
| 4. Safety Interlock System | D. The type of extinguisher that should be used for electrical fires. | 4. _____ |
| 5. Depowering the HV System | E. Protects rubber lineman's gloves from physical damage. | 5. _____ |
| 6. Acoustic Vehicle Alerting System (AVAS) | F. Used to check for continuity between the high-voltage cables and the vehicle chassis. | 6. _____ |
| 7. Orange HV Cables | G. The minimum rated meter that should be used for hybrid and electric vehicles. | 7. _____ |
| 8. Leather Protectors | H. Detects opens in the HV circuits and keeps the power circuits from closing if a fault is present. | 8. _____ |
| 9. 1,000 milliamps (1 ampere) | I. Must be class "0" and rated for at least 1,000 volts. | 9. _____ |
| 10. Class C Fire Extinguisher | J. Emits a sound at low speeds to warn pedestrians that a vehicle is nearby | 10. _____ |

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Answer Key

Answer Key:

1. I
2. G
3. F
4. H
5. B
6. J
7. C
8. E
9. A
10. D