

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

Name:

Date:

1. Describe the function of the safety interlock system in hybrid vehicles.
2. Explain the significance of the color coding of high-voltage cables in hybrid and electric vehicles.
3. What are the risks associated with using shop air to test high-voltage gloves, and what is the recommended testing method?
4. Why should technicians with cardiac pacemakers avoid servicing or repairing electric or hybrid electric vehicles?
5. What is the purpose of insulated rubber mats and blankets in the context of hybrid and electric vehicle service areas?

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6. Discuss the importance of the CAT III certification for a digital multimeter (DMM) when measuring high-voltage circuits or components.

7. What precautions should be taken when hoisting a hybrid or electric vehicle to ensure personal safety and avoid damage to the vehicle?

8. Why is it not safe to assume a hybrid electric vehicle is shut off just because the engine is off? What should be checked instead?

9. What additional personal protective equipment (PPE) do some manufacturers recommend to be available outside the safety zone when working on hybrid or electric vehicles?

10. Explain the potential consequences of pushing a hybrid electric vehicle in the shop.