

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What actions are needed to disable the high-voltage (HV) circuit?

2) How should HV gloves be tested before use?

3) What are the recommended items that should be used when working with the high-voltage circuits of a hybrid electric vehicle?

4) What are the precautions that service technicians should adhere to when servicing hybrid electric vehicles?

5) How is the ICE kept running if this is needed to perform some service inspections or service operations?

Answer Key

Testname: AEEP8_SHORT45

- 1) The actions needed to disable the high-voltage circuits vary according to the exact make and model of vehicle, but usually include:
 - a. Turn the ignition off and remove the key
 - b. Remove high-voltage control fuses or disconnect the 12 volt battery
 - c. Remove high-voltage service plug

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- 2) Before using the rubber gloves, they should be tested for leaks using the following procedure: Roll the glove up from the open end until the lower portion of the glove begins to balloon from the resulting air pressure. Be sure to “lean” into the sealed glove to raise the internal air pressure. If the glove leaks any air, discard the gloves.

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- 3) Most hybrid electric vehicle manufacturers recommend the wearing of high-voltage (1,000 volts) linesman’s gloves with protective leather gloves over them. Some vehicle manufacturers recommend wearing a face shield.

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- 4) The service technician can perform routine service without having to disable the high-voltage circuits. However, if service work is to be performed on a system or component that has high voltage, follow the specified de-powering procedures before service work starts and wear protective high-voltage linesman’s gloves.

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- 5) Use a scan tool and select “service mode”, “maintenance mode” or “inspection mode”.

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