

Name \_\_\_\_\_

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

1) What is unique about starting a Prius?

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2) What is the procedure for disconnecting the high-voltage circuits on a Toyota HEV?

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3) What are the functions of the inverter in a Toyota HEV?

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4) What are the precautions when working on Toyota hybrid vehicles?

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## Answer Key

Testname: HYBRID4\_SHORT14

1) The Prius is started by depressing the brake pedal and pushing the start button. The gasoline engine may or may not start depending on the temperature of the engine and other variables. When the ready light is on this is the indicator to the driver that the vehicle is ready to be driven.

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2) Step 1 – Turn the ignition system off (ready light off)

Step 2 – Disconnect the 12-volt auxiliary battery

Step 3 – Remove the orange high-voltage service plug while wearing high-voltage linesman's gloves

Step 4 – Wait five minutes before servicing any high-voltage system or component

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3) The inverter changes battery direct current (DC) into alternating current (AC) for use by the traction motors.

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4) 1. Always de-power the high-voltage system before touching or servicing any high-voltage component or system.  
2. Wait at least five minutes to allow time for the high-voltage capacitor to discharge  
3. Always wear high-voltage linesman's gloves when working on the high-voltage system.

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