

Name _____

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

1) What steps should be followed when dealing with an incident involving a hybrid electric vehicle?

2) What is the meaning of the various colors of wiring?

3) How should a fire involving an alternative-fuel vehicle be handled?

Answer Key

Testname: HYBRID4_SHORT20

- 1) 1. Identify the vehicle as soon as possible to determine if it is a hybrid electric vehicle.
 2. Disable the vehicle by:
 - Remove the ignition key or fob.
 - Move the key or fob at least 15 feet away from vehicle in case it is a smart key that can keep the vehicle powered up if near the vehicle.
 - Verify that the "READY" light is off (if equipped).
 - Place the transmission in PARK or Neutral.
 - Approach the vehicle from the side; avoid walking in the front or rear of the vehicle if possible.
 3. Stabilize the vehicle. Chock the wheels and set the parking brake if possible.
 4. Access the occupants. Use normal removal procedures as required such as:
 - Pull steering column forward and away from the occupant.
 - Cut front pillar.
 - Remove (peel) the roof.
 - Door removal/displacement. Doors can be removed by conventional rescue devices such as hand, electric, and hydraulic tools.
 - Dashboard displacement.
 - Rescue lift airbags. Responders should not place cribbing or rescue lift airbags under the high-voltage power cables, exhaust system, or fuel system.
 5. Turn the ignition off. Turning the ignition off and moving the key or key fob away from the vehicle will disable the high-voltage system.
 6. Disconnect or cut the 12-volt battery cables.
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- 2) Black or red means 12 volts
Yellow or blue indicates 42 volts
Orange means 144+ volts (shock hazard)
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- 3) It is often impossible for first responders to be able to identify a vehicle as being powered by an alternative fuel besides gasoline. When approaching any vehicle incident, the standard operating procedures should be followed and proceed to save human life first and property second.
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