



## Responding to Hybrid Vehicle Incidents

### Quick Reference Guide

#### General Information

- Most hybrid vehicles look similar to their standard model counterparts.
- Orange cables are used to indicate high-voltage wiring (greater than 60v DC).
- Yellow or Blue cables indicate intermediate-voltage wiring (greater than 30v DC and less than 60v DC)
- High-voltage NiMH batteries are not considered a spill hazard as they are a dry cell battery.
- Immobilize vehicle as soon as possible to prevent unexpected movement.

#### Standard Disabling Techniques

- Option #1
  - Remove ignition key and place it on the dashboard. In vehicles equipped with a "Smart Key", move the "key" a minimum of 16 feet from the vehicle.
  - Disconnect the 12v battery.
- Option #2 (if ignition key is not accessible)
  - Disconnect 12v battery.
  - Remove high-voltage fuse in engine compartment fuse box.
    - Due to the difficulty in trying to remember which fuse controls the high-voltage system in each hybrid make and model, just pull all the fuses in the engine compartment fuse block to ensure that the proper one is removed.
- Additional considerations specific to certain vehicle makes and models can be found on the reverse side.

#### Hybrid Vehicle Fires

- Use an offensive attack if the NiMH batteries are not involved.
- Use a defensive attack if the NiMH batteries are involved.



<i>Hybrid Model</i>	<i>Battery</i>	<i>Battery Location</i>	<i>Identification</i>	<i>Vehicle Specific Items</i>
Ford Escape / Mercury Mariner / Mazda Tribute	300v-330v	Rear of vehicle under cargo area carpet	<ul style="list-style-type: none"> <li>Hybrid logo on lift gate, front driver and passenger doors</li> <li>Driver's side rear quarter glass has battery vent</li> </ul>	<ul style="list-style-type: none"> <li>Remove high voltage service disconnect switch on the HV battery in the rear cargo area</li> </ul>
Honda Accord	144v	Behind rear seat	<ul style="list-style-type: none"> <li>Hybrid logo on rear of vehicle</li> <li>Battery vent on rear deck</li> </ul>	
Honda Civic	144v	Behind rear seat	<ul style="list-style-type: none"> <li>Hybrid logo on rear of vehicle</li> <li>Battery vent on rear deck</li> </ul>	
Honda Insight	144v	Under rear cargo area	<ul style="list-style-type: none"> <li>Unique aerodynamic shape</li> <li>Insight and hybrid logo on rear of vehicle</li> </ul>	
Toyota Prius 1 <sup>st</sup> Generation (2001-03)	274v	Behind rear seat	<ul style="list-style-type: none"> <li>Hybrid logo on trunk</li> <li>Battery vent on the driver's side C-pillar</li> </ul>	
Toyota Prius 2 <sup>nd</sup> Generation (2004- )	201v	Behind rear seat	<ul style="list-style-type: none"> <li>Hybrid Synergy Drive logo on rear hatchback door</li> </ul>	<ul style="list-style-type: none"> <li>If equipped, use the disable "Smart Key" button under the steering column</li> <li>Keep "Smart Key" 16 feet from vehicle</li> </ul>
Toyota Highlander	288v	Under second row seat	<ul style="list-style-type: none"> <li>Hybrid Synergy Drive logo on the lift gate</li> </ul>	
Toyota Camry	245v	Behind rear seat	<ul style="list-style-type: none"> <li>Hybrid logo on trunk, driver and passenger front fenders</li> <li>Battery vent on rear deck</li> </ul>	<ul style="list-style-type: none"> <li>Keep "Smart Key" 16 feet from vehicle</li> </ul>
Lexus RX 400h	288v	Under second row seat	<ul style="list-style-type: none"> <li>Lexus RX 400h on the lift gate</li> </ul>	
Lexus GS 450h	288v	Behind rear seat	<ul style="list-style-type: none"> <li>GS 450h logo on trunk and hybrid logo on the rear doors</li> </ul>	<ul style="list-style-type: none"> <li>Keep "Smart Key" 16 feet from vehicle</li> </ul>
Nissan Altima	245v	Behind rear seat	<ul style="list-style-type: none"> <li>Hybrid logo on front doors and trunk</li> <li>Battery vent on rear deck</li> </ul>	<ul style="list-style-type: none"> <li>12v battery is located in the trunk</li> <li>NiMH battery service disconnect in the trunk</li> <li>Keep "Intelligent Key" 16 feet from vehicle</li> </ul>
Chevy Tahoe / GMC Yukon	300v	Under rear seat	<ul style="list-style-type: none"> <li>Hybrid logo on rear lift gate</li> <li>Hybrid logo on both "C" posts</li> </ul>	<ul style="list-style-type: none"> <li>High voltage service disconnect switch on the HV battery under the rear seat on the passenger side of the vehicle</li> </ul>
Chevy Silverado / GMC Sierra	42v	Under rear seat	<ul style="list-style-type: none"> <li>Hybrid logo on the doors and dashboard</li> </ul>	<ul style="list-style-type: none"> <li>Manual disconnect on passenger side of the battery storage area under rear seat</li> <li>Uses electrolyte starved lead-acid batteries</li> </ul>
Saturn VUE	36v	Behind rear seat under cargo area	<ul style="list-style-type: none"> <li>Hybrid logo on front doors and rear lift gate</li> </ul>	<ul style="list-style-type: none"> <li>Blue cable for 36v hybrid electrical system</li> <li>NiMH battery service disconnect under access plate</li> </ul>
Chevy Malibu / Saturn Aura	36v	Behind rear seat	<ul style="list-style-type: none"> <li>Hybrid logos on front doors and trunk</li> </ul>	<ul style="list-style-type: none"> <li>Blue cable for 36v hybrid electrical system</li> <li>NiMH battery service disconnect under access plate</li> </ul>