**Initial Response Actions:**

Conduct an Initial Scene Assessment to identify hazards. Then:

1. **IDENTIFY** the drive system.
2. **IMMOBILIZE** the vehicle.
3. **DISABLE** high voltage & SRS.

**Identify**

- **Badges:**
  - Hybrid
  - Zero Emission

- **Labels:**
  - Warning labels indicating high voltage and safety precautions.

- **Instruments:**
  - Ready button
  - Auto stop button

- **Components:**
  - Orange cables = High Voltage

**Immobilize**

1. Chock wheels
2. Set Emergency BRAKE
3. Place vehicle in PARK

**Disable**

1. Ensure ignition is OFF*
2. Disconnect 12V battery

*If vehicle is equipped with proximity key, move it at least 16 feet away.

Photo courtesy of Kevin Cooney

Copyright © 2014 National Fire Protection Association
**GENERAL WARNING AND CAUTIONS**

- Never cut orange high voltage (HV), or yellow or blue medium (MV) voltage cabling. Never touch damaged or submerged HV or MV cables or components.
- Lack of engine noise in most hybrids and electrics does not mean that the vehicle is OFF. Silent movement or instant restart capability exists until vehicle is fully shut down.

**SUBMERSION**

- Vehicle chassis is safe to touch.
- High voltage (HV) system is isolated from chassis.
- Do not touch submerged HV cables or components.

**FIRE**

- High voltage (HV) battery fires may take much longer to extinguish than conventional fires.
  - Water is the best extinguishing agent.
  - Establish a water supply from hydrant or static source.
  - Smoke is toxic.

**POST INCIDENT**

- Tow with a flatbed. Towing with drive wheels on ground may cause electrical fire.
- If high voltage (HV) battery is damaged, store vehicle at least 50 ft. from structures or vehicles.
- Monitor for signs of HV battery damage (inform tow operator).

** DAMAGED HIGH VOLTAGE BATTERIES**

- High voltage (HV) electrolyte leakage should be minimal, but is likely caustic and/or flammable if released.
- Warning signs of hazardous damage: sparks, smoke, Increasing temperature, gurgling/bubbling sounds from HV battery.
- If any of these signs are observed, ventilate the vehicle immediately. The HV battery may be giving off harmful/flammable gases and may become a delayed fire hazard.

For more detailed information and vehicle-specific alternate shutdown methods, see NFPA’s **EV Emergency Field Guide**