

HYBRID VEHICLE REPAIR SAFETY

Working on Electrical or Powertrain Components

HAZARDS

- High voltage electricity/electrocution hazard
- Accidental start up (Smart Key)

PROCEDURE

1. Verify that the ignition is off and the key has been removed. Make sure the *ready* light is not on. Place the key (or keyless fob) in a secure location away from the car.
2. Disable the high voltage system:
 - Disconnect the 12-volt battery.
 - Wear Class 0 rubber insulated gloves (lineman's gloves) with protective leather outer gloves. "*Insulated Rubber Gloves and High Voltage Batteries*" (available in the "I want to know more" folder) discusses glove requirements, storage and inspection procedures.
 - Follow the vehicle manufacturer's instructions for disabling the high voltage system and testing for stray current.
3. Before working on the vehicle, wait at least ten minutes after the battery has been isolated or disconnected to allow for a full discharge.
4. Follow manufacturer's procedures for re-connecting the high voltage battery.

OTHER PRECAUTIONS

- Do not push the vehicle; tow or move it with the drive wheels off the ground.
- In the event of a high voltage battery leak, wear chemical-resistant gloves when performing clean-up. Neutralize battery leaks with a weak acid, such as vinegar or boric acid.

