

High Voltage System Health and Safety Precautions - Overview

- **WARNING:** Service of the high voltage system on this vehicle is restricted to qualified personnel. The required qualifications vary by region. Always observe local laws and legislative directives regarding electric vehicle service. Failure to follow this instruction may result in serious personal injury or death.
- **WARNING:** To prevent the risk of high-voltage shock, always follow precisely all warnings and service instructions including instructions to depower the system. The high-voltage system utilizes approximately 300 V DC, provided through high-voltage cables to its components and modules. The high-voltage cables and wiring are identified by orange harness tape or orange wire covering. All high-voltage components are marked with high-voltage warning labels with a high-voltage symbol. Failure to follow these instructions may result in serious personal injury or death.
- **WARNING:** Never install the service disconnect plug when a high-voltage service cover is removed. Always install the cover prior to connecting the service disconnect plug. The cover prevents inadvertent contact with the high voltage which is present at several points under the cover. Failure to follow these instructions may result in serious personal injury or death.
- **WARNING:** Disconnect the 12 V battery before servicing the direct current to alternating current (DC-AC) inverter or alternating current (AC) powerpoint to prevent the risk of high voltage shock. Failure to follow this instruction may result in serious personal injury.
- **WARNING:** Extreme heat such as paint drying ovens will cause the damage of the high voltage battery. The high voltage battery must be removed before using paint drying ovens longer than 45 minutes or with temperatures above 60°C (140°F). Failure to follow this instruction may result in damaging the high voltage battery, which could cause serious personal injury or death in a fire or explosion.

Important Safety Instructions

COLLISION, DAMAGE OR FIRE EVENT

- ⚠ **WARNING:** Service of this electric vehicle is restricted to qualified personnel. The required qualifications vary by region. Always observe local laws and legislative directives regarding electric vehicle service. Failure to follow this instruction may result in serious personal injury or death.
- ⚠ **WARNING:** Before beginning any service procedure in this manual, refer to health and safety warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

For additional information, refer to: Health and Safety Precautions (100-00 General Information, Description and Operation).

Guidance for Ford Motor Company Electric and Hybrid-Electric Vehicles Equipped With High-Voltage Batteries (Vehicle Owner/Operator/General Public) Electric and Hybrid-Electric Vehicle Considerations In the Event of Damage or Fire Involving an Electric Vehicle (EV) or Hybrid-Electric Vehicle (HEV):

- Always assume the high-voltage battery and associated components are energized and fully charged.
- Exposed electrical components, wires and high-voltage batteries present potential high-voltage shock hazards.
- Venting and off-gassing, high-voltage battery vapors are potentially toxic and flammable.
- Physical damage to the vehicle or high-voltage battery may result in immediate or delayed release of toxic, flammable gases and fire.

Vehicle Information and General Safety Practices

- Know the make and model of your vehicle.
- Review the owner's manual and become familiar with your vehicle's safety information and recommended safety practices.
- Do not attempt to repair damaged electric and hybrid-electric vehicles yourself. Contact an authorized Ford Dealer or vehicle manufacturer representative for service.

Crashes

- A crash or impact significant enough to require an emergency response for conventional vehicles would also require the same response for an electric or hybrid-electric vehicle.

If possible

- Move your car to a safe, nearby location and remain on the scene.
- Roll down the windows before shutting your vehicle off.
- Place your vehicle in park (P), set the parking brake, switch off the vehicle, activate the hazard lights and move your key(s) at least 5.5 yd (5 m) away from the vehicle.

Always

- Call emergency assistance if needed and advise that an electric or hybrid-electric vehicle is involved.
- Do not touch exposed electrical components or the engine compartment, as a shock hazard may exist.
- Avoid contact with leaking fluids and gases, and remain out of the way of oncoming traffic until emergency responders arrive.
- When emergency responders arrive, tell them that the vehicle involved is an electric vehicle or hybrid vehicle.

Fires

As with any vehicle, call emergency assistance immediately if you see sparks, smoke or flames coming from the vehicle.

- Exit the vehicle immediately.
- Advise emergency assistance that an electric or hybrid-electric vehicle is involved.
- As with any vehicle fire, do not inhale smoke, vapors or gas from the vehicle, as they may be hazardous.
- Remain a safe distance from the vehicle and try to stay clear of the smoke.
- Stay out of the roadway and stay out of the way of any oncoming traffic while awaiting the arrival of emergency responders.

Post-Incident

- Do not store a severely damaged vehicle with a lithium-ion battery inside a structure or within 16.4 yd (15 m) of any structure or vehicle.
- Make sure that passenger and cargo compartments remain ventilated. For example, open a window, door or trunk.
- Notify your local Ford Customer Contact Centre (see your Service Portfolio) and an authorized Ford dealer as soon as possible. There