




ELECTRIC VEHICLE BATTERY IDENTIFICATION & TRANSPORTATION, AFTER DAMAGE


Automotive batteries (12v, hybrid, and EV batteries) pose a risk if **not properly prepared and transported, using all necessary standard operating procedures**. This **danger can be higher** if the battery systems in the vehicles have been **compromised from an accident**. Lithium-ion batteries contain high-energy and present electrical, chemical, and thermal hazards.


Before Vehicle Collection

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Identify the type of car: gas powered, hybrid electric, plug-in hybrid, or fully electric. The VIN can be used to identify the type of car. If the car cannot be identified, assume it's electric.
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Hybrid electric (HEV) and electric vehicles (EV) should be **marked with "HAZARDOUS VOLTAGE" warnings**.
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Transportation drivers and loader operators should be **trained of the potential dangers** with HEV / EV batteries.
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HEV / EV specific **personal protective equipment (PPE)** should be available to all involved in the collection and intake of the vehicle.
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Qualified personnel should assess the type of damage the vehicle has and identify any vehicle at high risk of having a compromised battery compartment.

During Vehicle Collection


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Proper PPE must be worn, and qualified personnel must be present.
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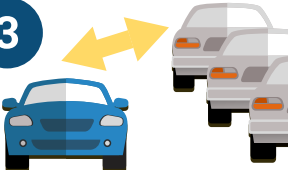
HEV / EV **"HAZARDOUS VOLTAGE" warning signs must be applied** to multiple sides of the vehicle.
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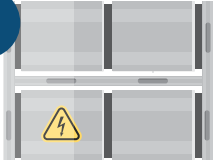
Qualified personnel should **assess possible damage to batteries prior to loading the vehicle**, and the transportation team should look for physical damage and symptoms (fire, discoloration of voltage cables).

Vehicle On-Site and Check-In

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Follow vehicle manufacturer's process to make the vehicle electrically-safe.
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Remove hazardous voltage battery master disconnect service plug and zip tie it to the steering wheel.
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HEV / EV should be **placed in a segregated area** awaiting final dismantling.
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Removed high voltage batteries must be **safely stored** to prevent risk of thermal events.