This badge is on all battery electric trucks (both doors).

Extrication Diagram

Warning! Check for labels identifying any additional high voltage components added by body builders.

- **LI-ION** High Voltage Li-Ion Battery Pack
- **High Voltage Cables**
- **12V Disconnect**
- **Gas Strut**
- **Compressed Air Tank**
- **Charger Inlet (Forward or Rear)**
- **High Voltage Region**
- **Low Voltage Batteries**
- **Lift Point**
- **Lift from the spring leaf pads.**

Release Date: 6/11/21

Model Year 2021 – Current
## 1. Identification / Recognition

**Warning:** Always wear full fire fighter PPE (turnout gear), including a positive pressure self-contained breathing apparatus, when approaching this vehicle.

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### 2. Immobilization / Stabilization / Lifting

**Warning:** Keep all lift equipment at least 12 inches (30 cm) from all high voltage components.

**Warning:** Vehicle noise may be reduced in some operation modes. Failure to shutdown the truck before immobilization could result in death, injury, or property damage. **Complete Section 3 steps before immobilization if possible.**

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blocking Wheels</td>
<td>Block all wheels.</td>
</tr>
<tr>
<td>Lifting Truck (with Jack)</td>
<td>Lift from the spring leaf pads. Only use the lift points identified in the extrication diagram with this icon for jacks.</td>
</tr>
<tr>
<td>Rotating Truck</td>
<td>Wrap chains around both axles to rotate the truck to an upright stable position.</td>
</tr>
</tbody>
</table>

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## 3. Disable Direct Hazards / Safety Regulations

**Warning:** Assume all high voltage components are always energized. Do not cut any High Voltage components, including high voltage orange cables.

**Warning:** Cables between the high voltage battery and the S-box remain energized after the vehicle disable steps (including the 2 minute wait) are completed.

**Warning:** Call the PACCAR Customer Center for guidance 24/7 before proceeding if any high voltage part damage could have occurred. **Peterbilt: 1-800-473-8372  Kenworth: 1-800-592-7747**

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Unplug Charger Cable or Remove Power from Charger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 2</td>
<td>Remove Key from Ignition</td>
</tr>
<tr>
<td>Step 3</td>
<td>Pull Park Brake Toward Back of Cab to Engage</td>
</tr>
<tr>
<td>Step 4</td>
<td>(Primary Step): Turn 12V Disconnect Counterclockwise to OFF Position</td>
</tr>
<tr>
<td>(Alternate Step)</td>
<td>Cut a 2-inch (5 cm) segment (2 cuts) from red cut loop. All 5 wires are bundled in cut loop identified in Extrication Diagram.</td>
</tr>
<tr>
<td>Step 5</td>
<td>Wait 2 Minutes for High Voltage Capacitors to Discharge</td>
</tr>
</tbody>
</table>
## 5. Stored Energy / Liquids / Gases / Solids

<table>
<thead>
<tr>
<th>Lithium Iron Phosphate (LFP)</th>
<th>High Voltage (650 V)</th>
<th>Corrosives</th>
<th>Flammable</th>
<th>Health Hazards</th>
</tr>
</thead>
</table>

## 6. Fire

**Warning:** Always wear full fire fighter PPE (turnout gear), including a positive pressure self-contained breathing apparatus.

**Warning:** Treat fires involving charging stations as energized fires until power to the charger can be shut down.

### Use Water to Extinguish Li-ion Fires

- **Do Not Use Wet Foam**

### Hazardous to Human Health:
- May cause an allergic skin reaction
- Do not breathe dust, fumes, gas, mist, vapors, or spray.

### Explosion Hazard:
- Explosive gas could accumulate.
- Move truck outside building after extinguishing fire

### High Voltage (650 V):
- High Voltage (HV) Personal Protective Equipment required for exposed HV parts

### Check Li-ion Battery Pack for Fires with Thermal Infrared Camera (TIC or IR Gun)

## 7. Water Submersion

- If High Voltage part damage exists (hissing, crackling, bubbles, exposed cables, etc.), call PACCAR Customer Center for guidance (see phone # in Section 3 Warnings).
- If no High Voltage part damage exists; remove the truck from the water; let the water drain; follow Section 3 (Disable Direct Hazards); and do not attempt to drive.

## 8. Towing / Transportation / Storage

- Follow Section 3 (Disable Direct Hazards).
- Use Lift Points in Section 2 (Immobilization and the Extrication Diagram).

**Towing Method**

- If high voltage components were damaged or submerged, transport the truck with all wheels on a trailer. Do not attempt to drive.
- If high voltage components were NOT damaged or submerged, remove the axle shafts to tow (propulsion motor not spinning).
- (Emergency) If the truck must be moved to the side of the road AND no high voltage damage is present, it can be moved at less than 10 mph.

- Store outdoors, 50 feet away from other equipment/structures, and routinely check the battery pack for high temperatures with a Thermal Imaging Camera (TIC or IR Gun).