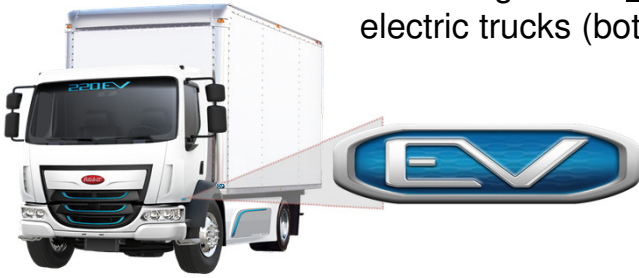




Peterbilt 220EV
Kenworth K270E/K370E

Model Year 2021 – Current
Release Date: 6/11/21

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

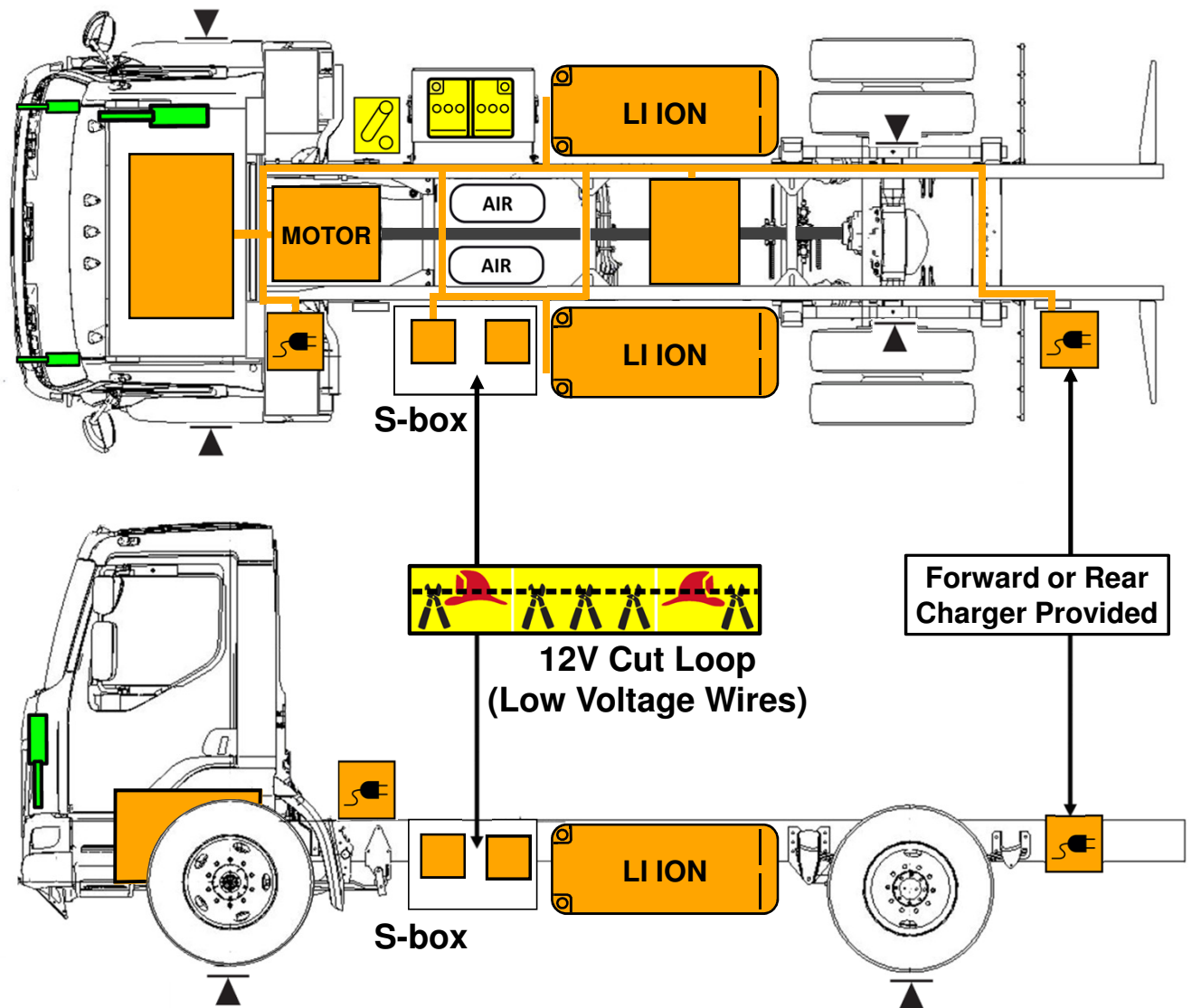


Extrication Diagram

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



650V



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.


1. Identification / Recognition


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



Battery electric truck badge on the passenger and driver doors

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.



Blocking Wheels

Block all wheels.



Lifting Truck
(with Jack)


Lift from the spring leaf pads. Only use the lift points identified in the extrication diagram with this icon for jacks.





Rotating Truck

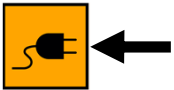
Wrap chains around both axles to rotate the truck to an upright stable position.

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**



Step 1: Unplug Charger Cable or Remove Power from Charger



Step 2: Remove Key from Ignition



Step 3: Pull Park Brake Toward Back of Cab to Engage



Step 4:
(Primary Step): Turn 12V Disconnect Counterclockwise to OFF Position



(Alternate Step): 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.



Step 5: Wait 2 Minutes for High Voltage Capacitors to Discharge

5. Stored Energy / Liquids / Gases / Solids



Lithium Iron Phosphate (LFP)



High Voltage (650 V)



Corrosives



Flammable



Health Hazards

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.



Flammable Components



Explosion Hazard:

- Explosive gas could accumulate.
- Move truck outside building after extinguishing fire



Corrosives:

- Causes skin burns and eye damage



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).