



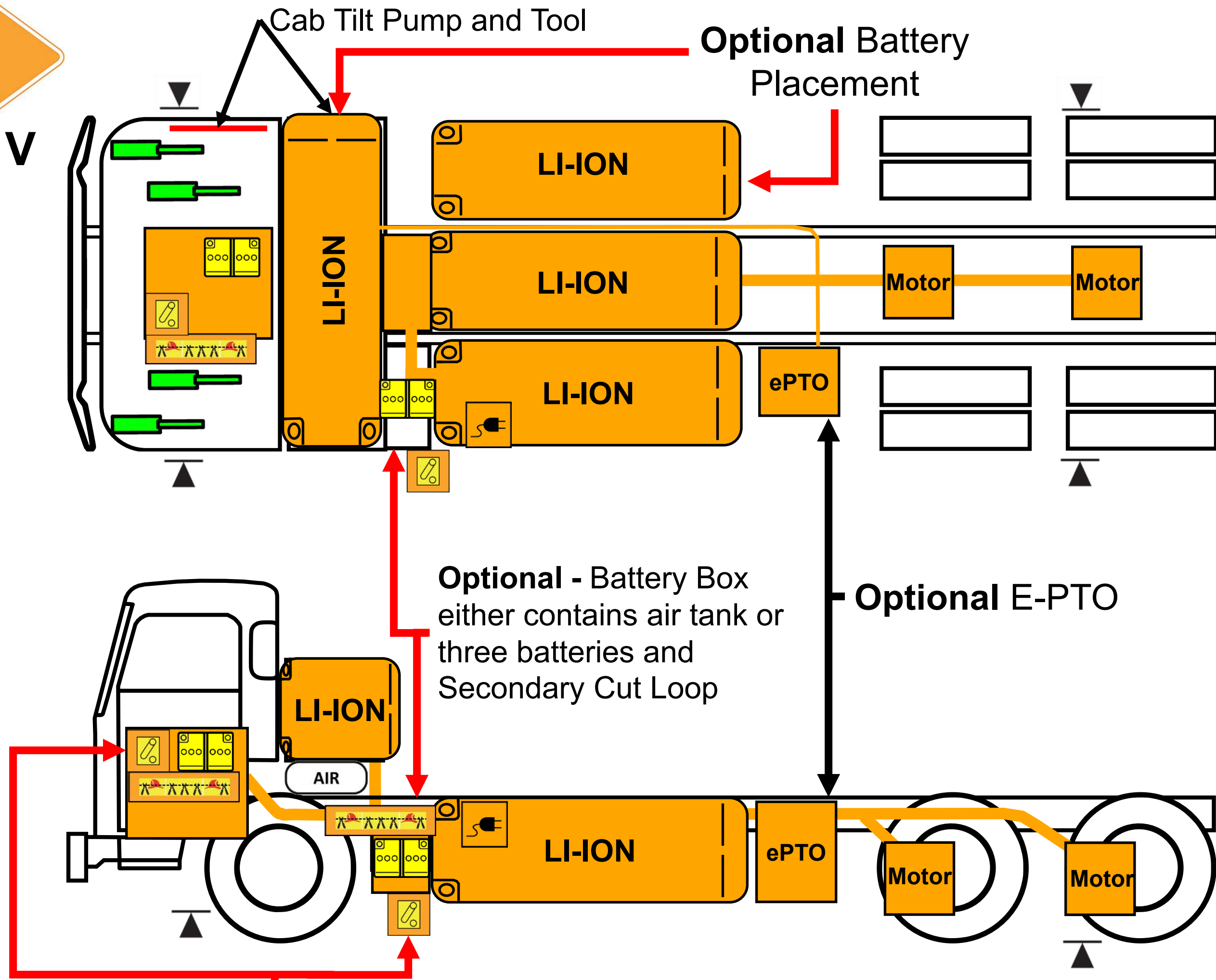
Peterbilt 520EV
 Kenworth L770E
 Model Year: 2025 – Current



0. Rescue Sheet



650 V



Optional – Disconnect switch can be under cab or mounted on Battery Box



Warning: Check for labels identifying additional High Voltage components added by body builders.

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 Battery	Lift Point	Emergency Cable Cut Loop

1. Identification / Recognition



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

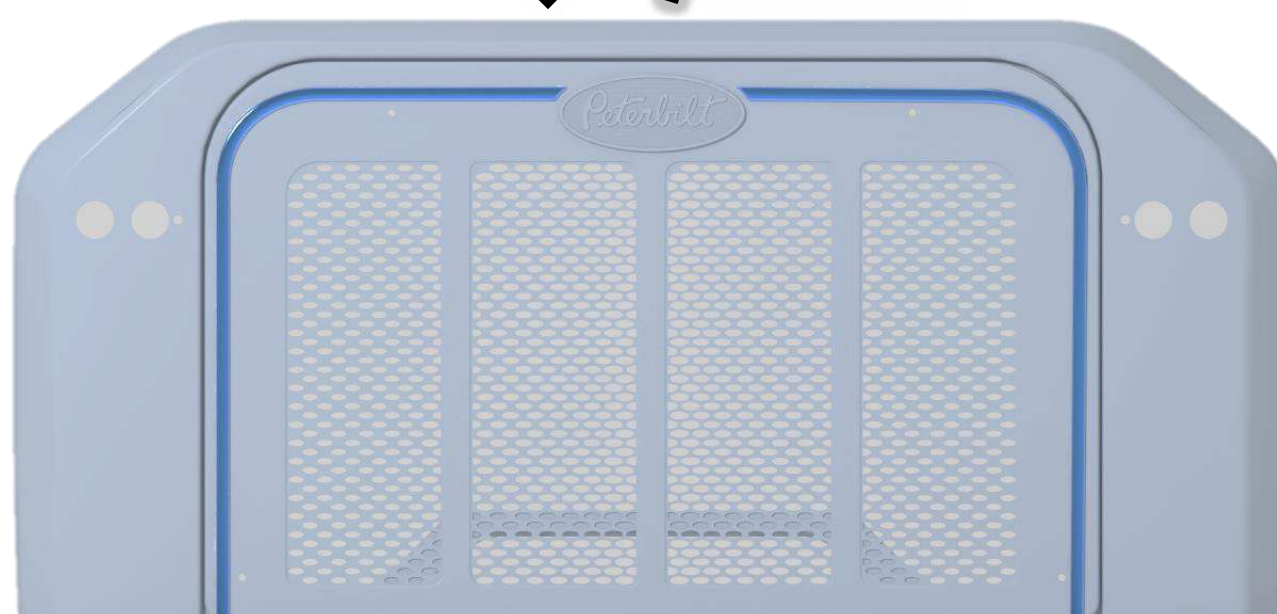
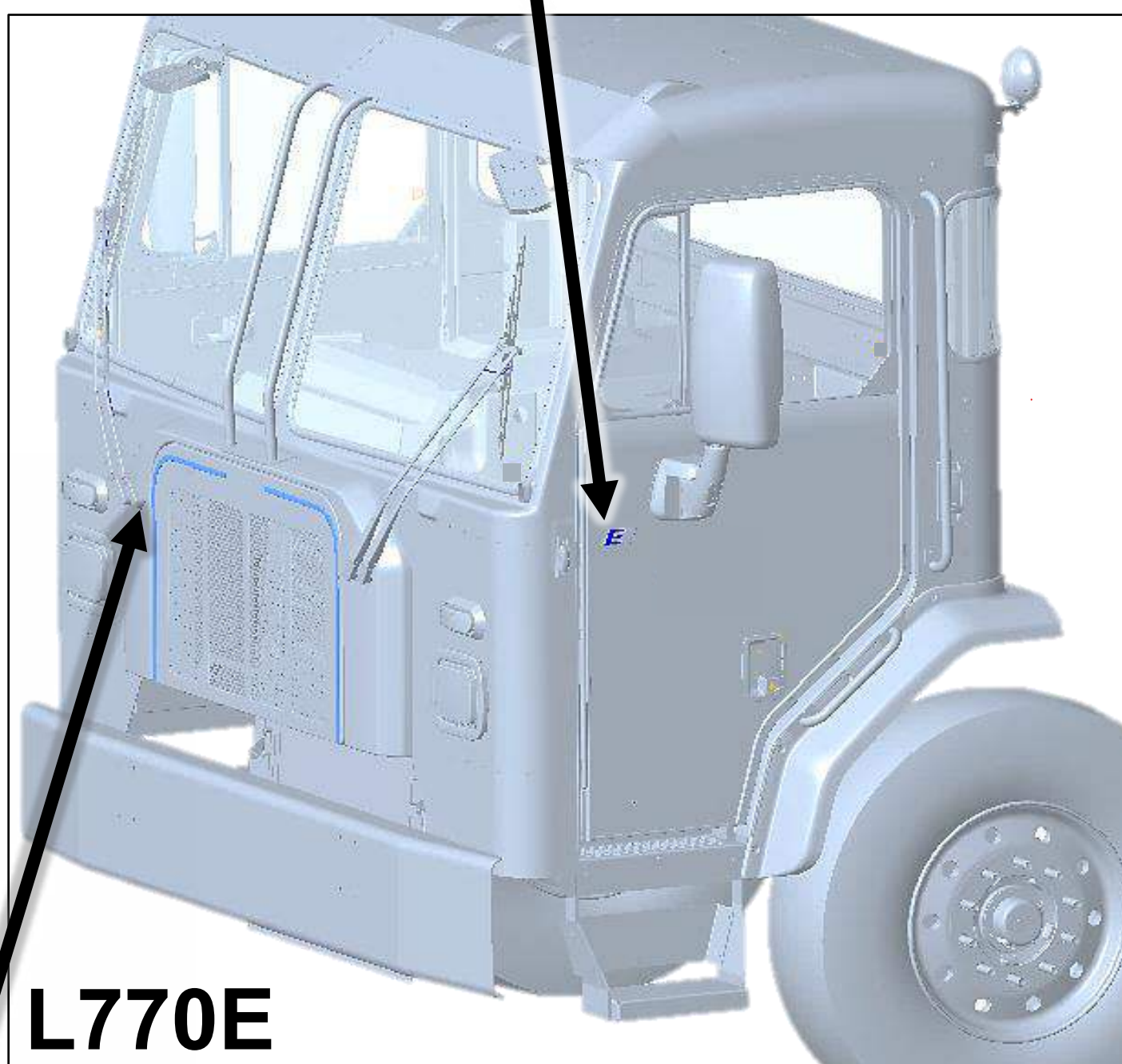
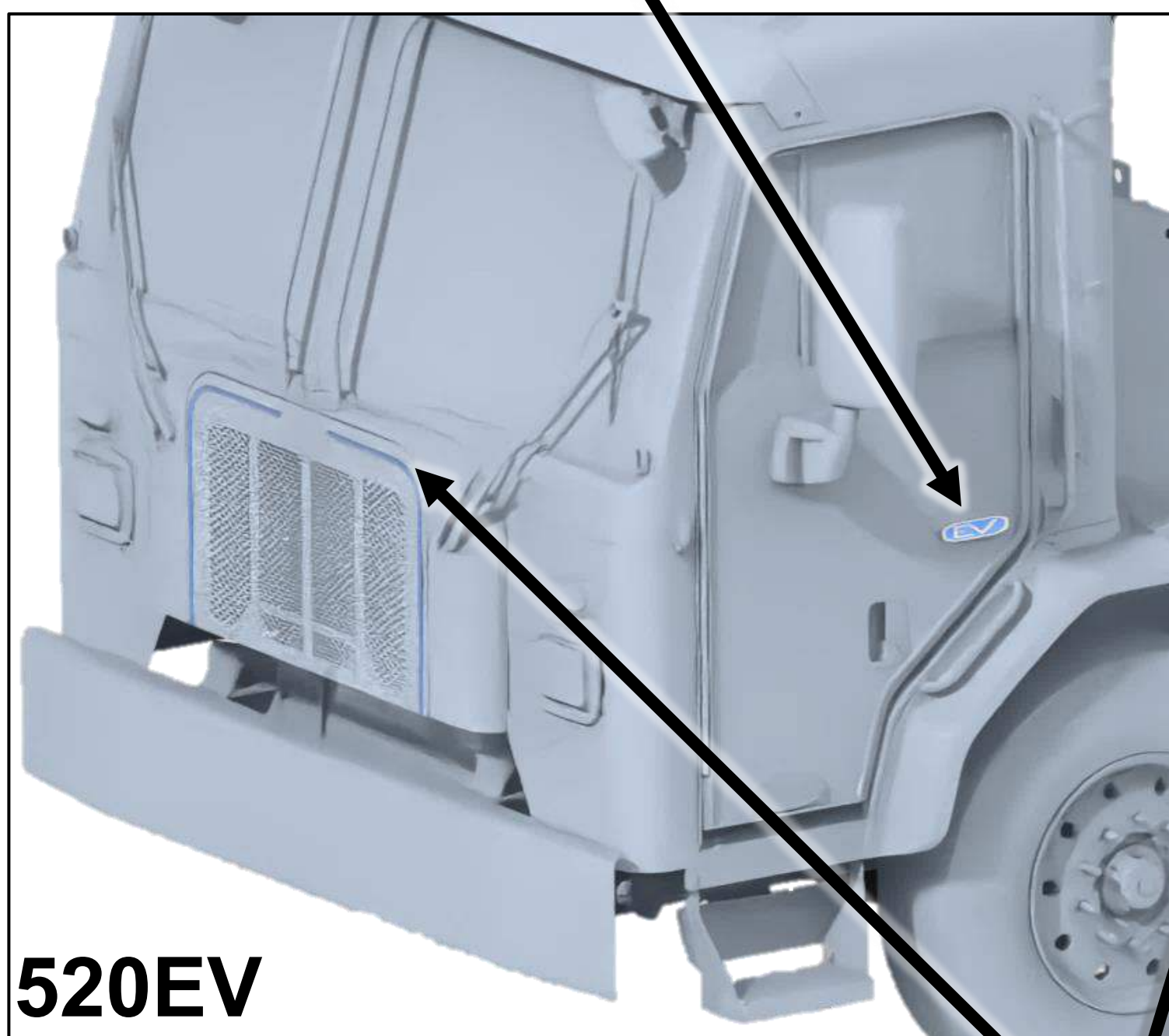


Peterbilt Models - Battery electric truck badge on the passenger and driver doors.




Kenworth Models - Battery electric truck badge on the passenger and driver doors.

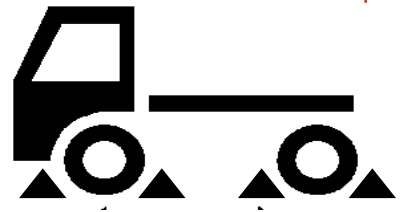
Optional – Blue accent on grille on both models.



2. Immobilization / Stabilization / Lifting

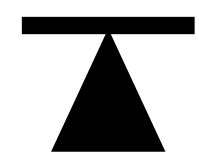
 **Warning:** Keep all lift equipment at least 12 inches (30 cm) from all high voltage components.

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



Blocking Wheels

Block all wheels.



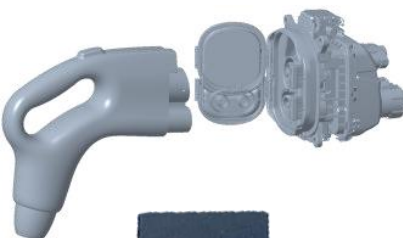
**Lifting Truck
(with Jack)**

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.



Step 1: Unplug the Charger Cable or Remove Power from the Charger.



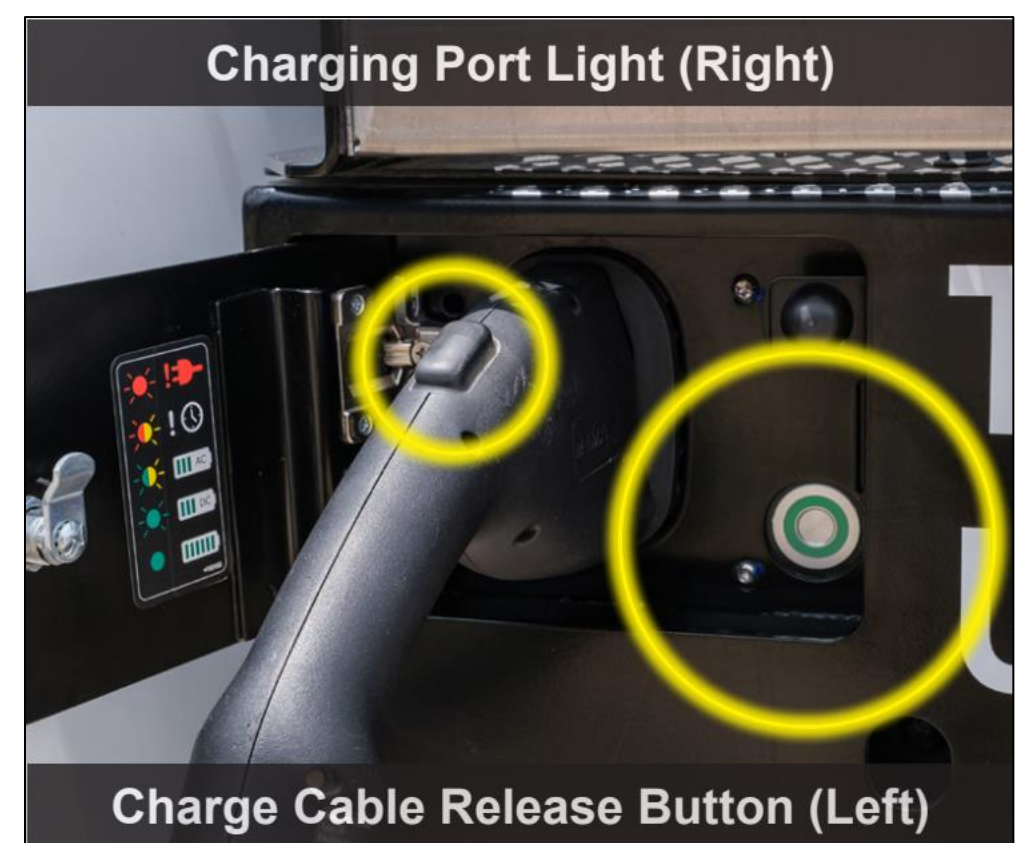
Step 2: Ensure vehicle is in Neutral by using the gear selector near center of vehicle.



Step 3: Remove the Key from Ignition.



Step 4: Engage park brake: Located near the center of the dash and facing towards the steering wheel.



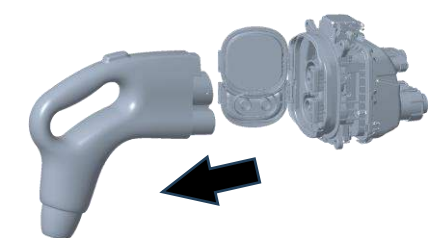
3. Disable Direct Hazards / Safety Regulations



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.

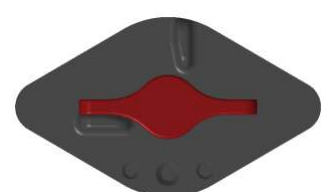


Step 1: (If Truck is Charging)

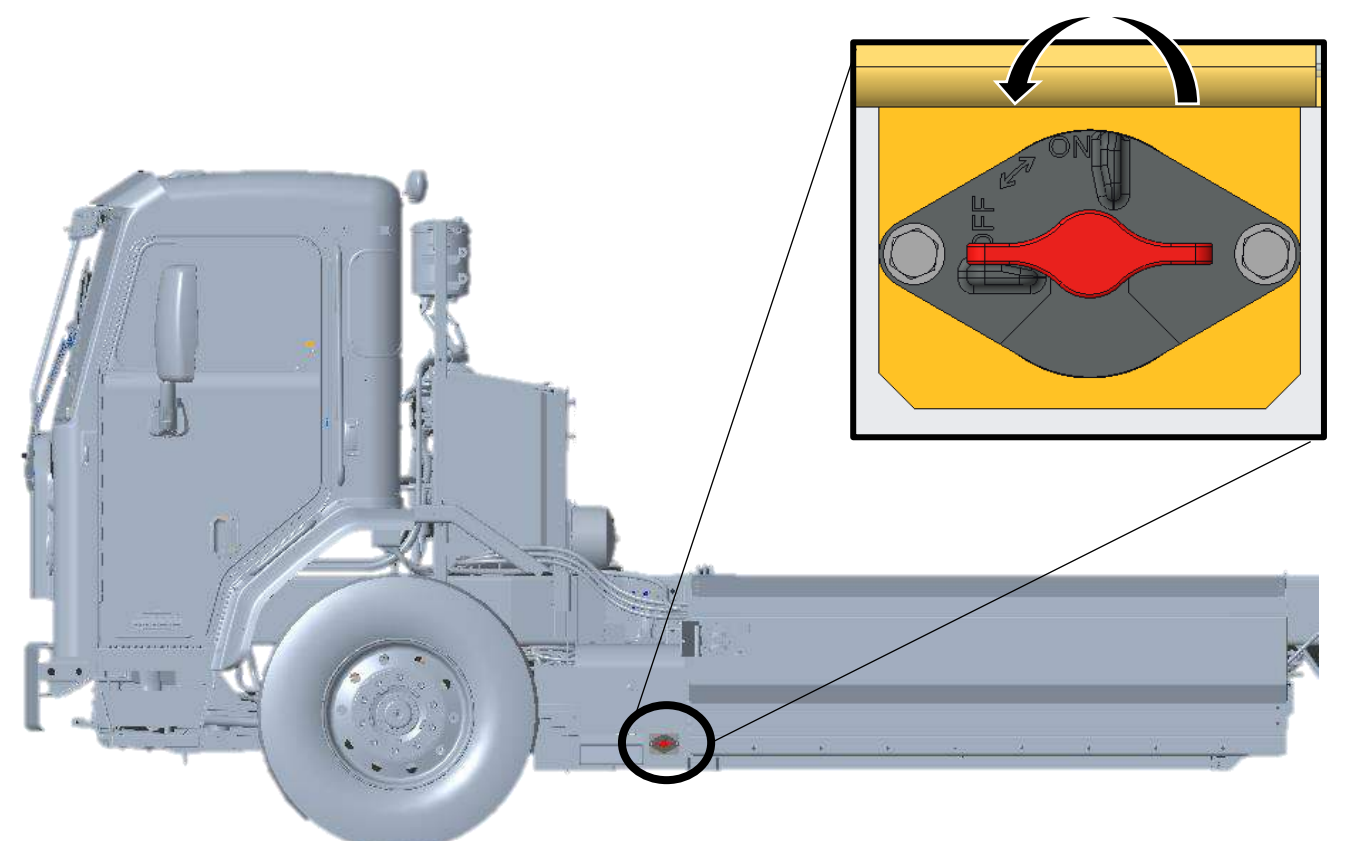
Unplug the Charger Cable or Remove Power from the Charger.



Step 2: Turn key to "Off" position and remove the Key from Ignition.



**Step 3:
(Primary Step):** Turn 12V Disconnect Counterclockwise to OFF Position.



3. Disable Direct Hazards / Safety Regulations



(Alternate Step): Cut a 5-inch (13 cm) segment (2 cuts) from the cut loop label.

Cut loop is located under the Cab on the street side of the vehicle and is identified by the yellow label.

Optional Secondary Cut Loop is located under the lid of the frame mounted battery box.



Step 6: Wait 2 Minutes for High Voltage Capacitors to Discharge

4. Access to the Occupants

Open Doors From Outside

Step 1: Insert key (1) into door lock turning key counter-clockwise for left-hand door or clockwise for right-hand door to unlock.

Step 2: Grasp door handle (2) and pull out while exerting some force on the door in the outward direction.



Note: These models have multiple drive configurations that include: right hand drive, left hand drive, right hand stand-up, dual seated drive.

- 1. Forward/Backward Adjustment:** Push handle and push seat to slide forward or backward.
- 2. Seat Up/Down Adjustment:** Press switch to adjust seat height.
- 3. Seat Recline Adjustment:** Pull handle to control seat back recline.



Open Doors From Inside

Optional: Unlock by pulling up on lock switch.

Step 1: Pull on door handle (1) to release door latch.

Step 2: Firmly push door outward.



Lock Switch

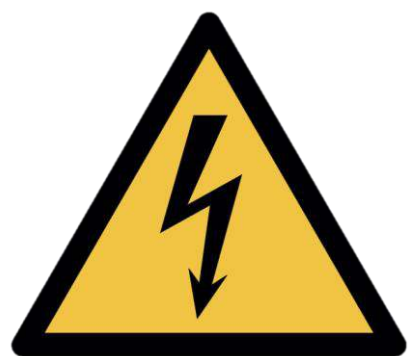


Door handle

5. Stored Energy / Liquids / Gases / Solids



650 V



High-voltage (650V)



Corrosives



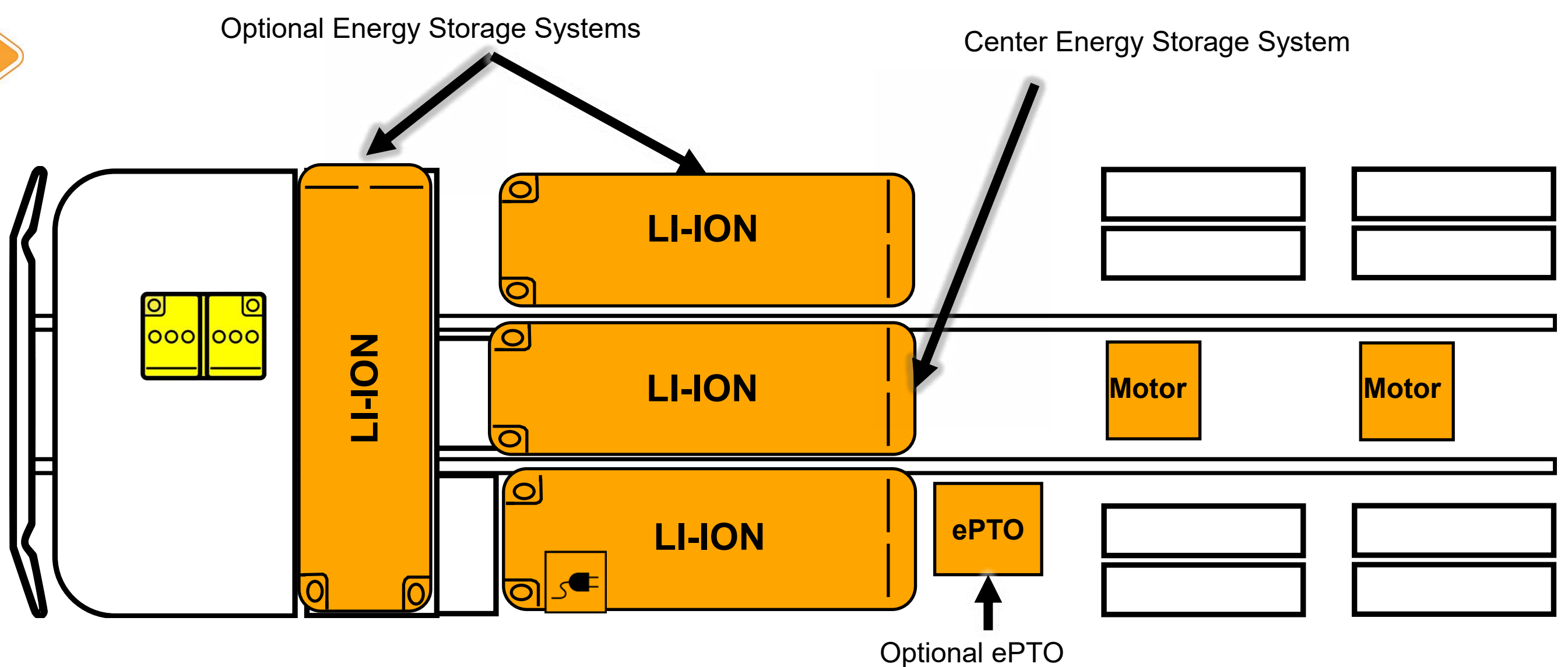
Flammable



Health Hazards



650 V







High-voltage Battery Locations

 Air tanks and system hoses may have an air pressure of 100-130 psi (689-897 kPa).

 High voltage components are cooled with a glycol-based automotive coolant. This liquid is red in color and may leak if components are damaged.

Please contact local and state authorities for more information regarding proper response and clean up of hazardous materials.

6. In Case of 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.
-  **Warning:** Hydrogen Fluoride and/or Hydrofluoric Acid may be present.
-  **Warning:** There is always risk of reignition.



Use Water to Extinguish Li-ion Fires



Do Not Use Wet Foam

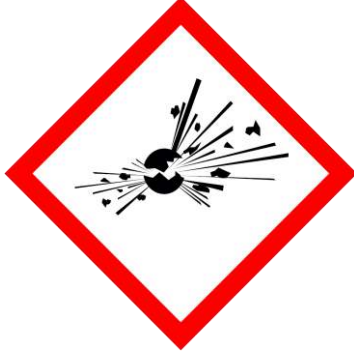


Hazardous to Human Health:

- May cause an allergic skin reaction
- Do not breathe dust, fumes, gas, mist, vapors, or spray.



Flammable Components



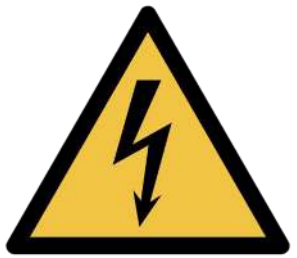
Explosion Hazard:

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



Corrosives:

- Causes skin burns and eye damage



High Voltage (650 V):

- CAT III (1000 V) rated gloves required for exposed HV parts



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

7. Water Submersion

If a vehicle has been submerged there is a chance of secondary damage to high voltage components around the vehicle. These components present a hazard and should only be handled while wearing the correct PPE.

If the vehicle does NOT have impact damage, there is a low electrical shock risk. Remove the vehicle from the water. Let the water drain and follow the immobilization steps in Section 2. Do NOT attempt to drive.

In case of submersion:

Step 1: Reference section 3 to disable any direct hazards and ensure parking brake is NOT engaged.

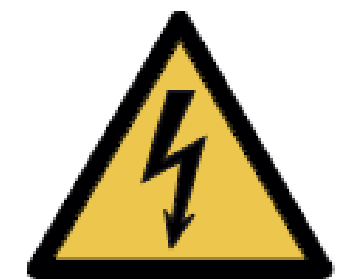
Step 2: Remove the vehicle from submersion (following the instructions in section 8).

Step 3: Drain as much water away from the vehicle as possible.

Step 4: Follow steps in section 3 to disable high voltage.



Warning: Do NOT attempt to drive the vehicle after submersion.



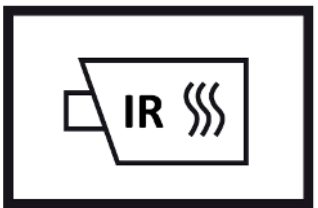
High Voltage (650 V)

Please follow state, municipal, and department guidelines for properly handling electric vehicle submersion events

8. Towing / Transportation / Storage



- Follow Section 3 (Disable Direct Hazards).
- Use Lift Points in Section 2: Immobilization and the Rescue Sheet.
- 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, use the cage bolts and remove the axle shafts to tow (propulsion motor not spinning). Steps provided below.
- (Emergency) If the truck must be moved quickly AND no high voltage damage exists, it can be moved at less than 25 mph for no more than 5 minutes.



- 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).



- **Remove axle shafts from any drive axles that will remain on the ground during towing. Reference the Emergency Response Guide Towing Section.**

9. Important Additional Information



Do not cut any orange cables.



Do not touch any high voltage cables and electric components.



Do not perform any operation on a damaged truck without appropriate Personal Protective Equipment (PPE).



These models typically have aftermarket bodies installed that may use the high voltage system. Please contact body manufacturers for more information.