



Peterbilt 579EV  
Kenworth T680E

Model Year: 2024 – Current  
Release Date: 7/25/2024  
Part Number: Y53-6205-1B1



PB EV badge on both sides  
of 579EV

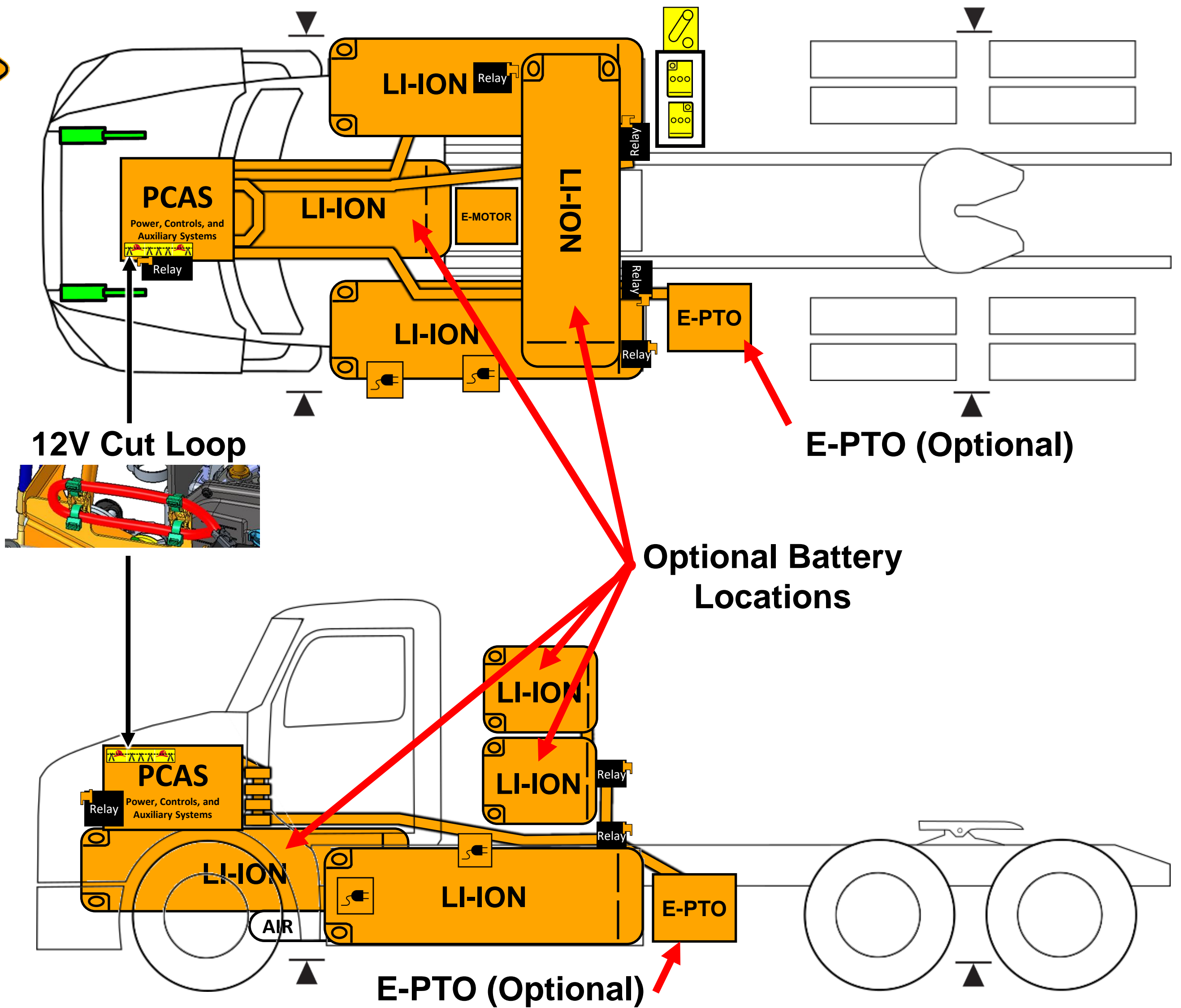


KW EV badge on both sides  
of T680E

### Extrication Diagram



650 V



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

High Voltage Li-Ion Battery Pack	High Voltage Cables	12V Disconnect	Gas Strut	Relay Box Includes MSD (Manual Service Disconnect)
Charger Inlet	High Voltage Region	Low Voltage Batteries	Lift Point	Compressed Air Tank

## 1. Identification / Recognition



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



OR



Battery electric truck badge on both sides of the hood

## 2. Immobilization / Stabilization / Lifting

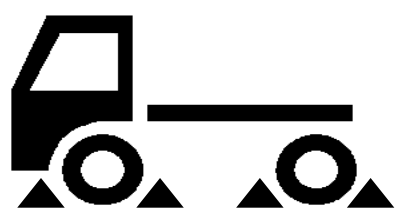


**Warning:** Keep all lift equipment clear of high voltage components with a recommended clearance of 12 inches (30 cm) if possible.



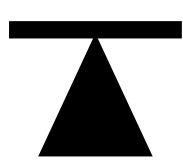
**Warning:** Vehicle noise may be reduced in some operation modes. Failure to shutdown the truck before immobilization could result in death, severe injury, or property damage.

**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.



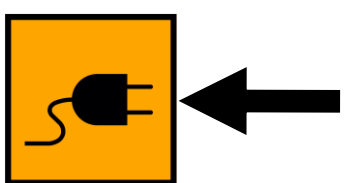
Rotating Truck

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

## 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.



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

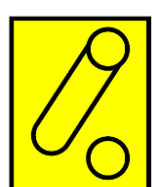


**Step 2:** Remove the Key from Ignition.



**Step 3:** Engage park brake.

**Step 4:** Go to Low Voltage Battery Box on right side of truck.



**Step 5:**  
**(Primary Step):** Turn 12V Disconnect Counterclockwise to OFF Position.



**(Alternate Step):** Cut a 5-inch (13 cm) segment (2 cuts) from the black cut loop (identified in the Extrication Diagram).



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

## 4. Stored Energy / Liquids / Gases / Solids



High Voltage (650 V)



Corrosives



Flammable



Health Hazards

## 5. 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):**

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



**Check Li-ion Battery Pack for Unexpected Rising Temps with Thermal Imaging Camera (TIC or IR Gun)**

## 6. Water Submersion



- 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.

## 7. Towing / Transportation / Storage



**Towing Method**



- Follow Section 3 (Disable Direct Hazards).
- Use Lift Points in Section 2: Immobilization and the Extrication Diagram.
- Put the transmission in neutral to avoid damaging the eMotor.
- 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 drive axle shafts, and tow as defined in operators manual (propulsion motor not spinning).
- **Emergency:** If responders are unable to safely reach the drive axle shafts for safe towing, in an emergency situation, the truck can be moved at max 1.5 mph (2.4 kph) for max ½ mile (0.8 km). Once in a safe location, use Thermal Imaging Camera to check battery temps, remove drive axle shafts, and tow as defined in operators manual.
- After towing, store outdoors 50 feet (15 m) away from other equipment/structures, and routinely check the battery pack for rising temperatures with a Thermal Imaging Camera.