PETERBILT MOTORS
EV PH2 520EV FRONT/REAR LOADER
WITH HV DC PLUG

FIRST RESPONDERS FIELD GUIDE
ENGLISH

Y53-6175-000, REV A

DATE: 05-17-2022
PN: Y53-6175-000
REV: A

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MFG: RYAN ARY
COMPLIANCE: LES DARRAH
ER Code: N

TITLE: MANUAL-FRFG
520EV FRT PLUG
RELEASE NO: P-37462
MODELS: 520EV
QA Code: 4
SHEET: 1 OF 5
FORMAT: PDF
RELEASING DIVISION: PETERBILT

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### REVISION CONTROL

<table>
<thead>
<tr>
<th>REV</th>
<th>REASON FOR CHANGE</th>
<th>REF DOC NO</th>
<th>DATE/ECN</th>
<th>SIGNATURES</th>
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<tbody>
<tr>
<td>A</td>
<td>INITIAL DOCUMENT</td>
<td>P-37462</td>
<td>05-17-2022</td>
<td>N/A</td>
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</table>

### PART NUMBER VARIATION DETAIL FOR Y53-XXXX-ABC

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tr>
<td>1</td>
<td></td>
<td>Production Variation (see table)</td>
<td>1</td>
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### REV DATE DESCRIPTION PRODUCTION/SERVICE

<table>
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<tr>
<th>REV</th>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>PRODUCTION/SERVICE</th>
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<tr>
<td>A</td>
<td>05-17-2022</td>
<td>Initial release</td>
<td>-1A1 Production</td>
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</table>
The truck body will vary.

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

Extrication Diagram

650 V

12V Cut Loop

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

Warning: Cables between the high voltage battery and the S-box remain energized even 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 Phone #: 1-800-473-8372

Step 1: Unplug the charger cable or remove power from the charger.

Step 2: Remove key from ignition

Step 3: Engage park brake

Step 4: Tilt cab forward (see extrication diagram for cab tilt equipment)

   Cab tilt instructions are provided on the lift equipment label.

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
5. Stored Energy / Liquids / Gases / Solids

<table>
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<tr>
<th>Li-ion</th>
<th>High Voltage (650 V)</th>
<th>Corrosives</th>
<th>Flammable</th>
<th>Health Hazards</th>
</tr>
</thead>
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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.

<table>
<thead>
<tr>
<th>Use Water to Extinguish Li-ion Fires</th>
<th>Do Not Use Wet Foam</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Corrosives:</th>
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<tr>
<td>- Causes skin burns and eye damage</td>
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</tbody>
</table>

**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 the PACCAR Customer Center for guidance (1-800-473-8372).
- 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

**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 eAxles.

  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)

  (Emergency) If the truck must be moved soon **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).