33.2 ton vehicle
2 axles

4 lithium-ion batteries

- **High voltage lithium-ion battery**
- **Low voltage device that disconnects the high voltage**
- **Low voltage battery**
- **Air tank**
- **Seat adjustment**
- **Height control**
- **Cable to cut that disconnect high voltage components**
- **Steering wheel tilt control**
- **High voltage component**
- **High voltage cable**
- **Gas strut, pre-loaded spring**
- **Ignition key**
- **Airbag inflator**
- **Airbag**

**Identification number**: 800077265
**Version number**: 06/2021
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30 ton vehicle
3 axles

4 lithium-ion batteries

High voltage lithium-ion battery
Low voltage device that disconnects the high voltage
Low voltage battery
Air tank
Seat adjustment
Height control
Cable to cut that disconnect high voltage components

Steering wheel tilt control
High voltage component
High voltage cable
Gas strut, pre-loaded spring
Ignition key
Airbag inflator
Airbag
1. Identification/recognition

2. Immobilisation/stabilization/lifting

Always approach the truck from the sides to stay out of the potential travel path. Due to lack of noise it can be difficult to determine if the truck is running.

1. Chock the wheels.

2. Apply the parking brake.

3. Disable direct hazardous/safety regulations

Primary procedure

1. Check the instrument cluster for any of the symbols (1) and (2) appearing with a beep sound. If yes, a thermal runaway is detected in the lithium-ion batteries.

2. Turn off the ignition and remove the key.

3. Turn off the chassis switch (up) to initiate the high voltage disconnection process.

Note
All the components are designed to discharge their own capacitance within five seconds.
If unable to perform the primary procedure

1. Locate the communication cable harness (low voltage) (1) connected to any of the traction batteries.

2. Cut the communication cable harness on each side of the label and disconnect the traction voltage supply from the traction batteries.

Note
Cutting any of the locations shown will disable the traction voltage supply.

If the truck is charging

1. Unlock the cab.

2. Press the stop button (1) and wait for the steady yellow light (2) on the charging inlet.

3. Remove the charging plug from the charging inlet when the yellow light (2) turns off.

If the charging plug cannot be pulled out: retract the pin manually

1. Turn off the chassis switch (up) to initiate the high voltage disconnection process.

2. Remove the screws (1) and the step (2).

3. Rotate the lever (3) and remove the charging plug (4).
### 4. Stored energy/liquid/gases/solid

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<td><img src="image1" alt="Icons for energy storage" /></td>
<td><img src="image2" alt="Icons for physical hazards" /></td>
<td><img src="image3" alt="Icons for electrical hazards" /></td>
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<td>12 V</td>
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<td><img src="image5" alt="Icons for physical hazards" /></td>
<td><img src="image6" alt="Icons for electrical hazards" /></td>
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<tr>
<td>600 V</td>
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### 5. In case of fire

*Use a large sustained volume of water to extinguish lithium-ion battery related fire.*

*If other materials are involved, use class ABC fire extinguisher.*

*In case of thermal runaway, the lithium-ion batteries can release hydrogen fluoride.*

*In case of traction battery fire large flames can emit from the breather valves (1) as a result of thermal runaway.*

### 6. In case of water submersion

*The damage level of a submerged vehicle may not be visible.*

*Submersion in water can damage 12 V, 24 V and 600 V components.*

*Handling a submerged truck without appropriate Personal Protective Equipment (PPE) will result in serious injury or death due to electric shock.*

*Avoid any contact with the traction voltage cables and electric components.*

*If possible disable direct hazards (See chapter 3).*
7. Towing/transportation/storage

If the traction batteries are damaged, there is a risk of thermal or chemical reaction.

Park the fully electric truck involved in an accident in a suitable place maintaining a safe distance from other vehicles, buildings and combustible objects.

Risk of delayed fire can happen, after the fire suppression or if the lithium-ion batteries are damaged

Observe the truck for a minimum period of 48 hours using a thermal infrared camera.

The electric motors can produce electricity when moving the truck with the rear drive tires contacting the ground. This remains a potential source of electric shock even when the high voltage system is disabled.

Before towing the truck, it is mandatory to disconnect the drive to the wheels. The drive to the wheels is disabled by either uncoupling the propeller shaft (1) from the driven axle (2) or by removing the axle shafts (3).

8. 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).