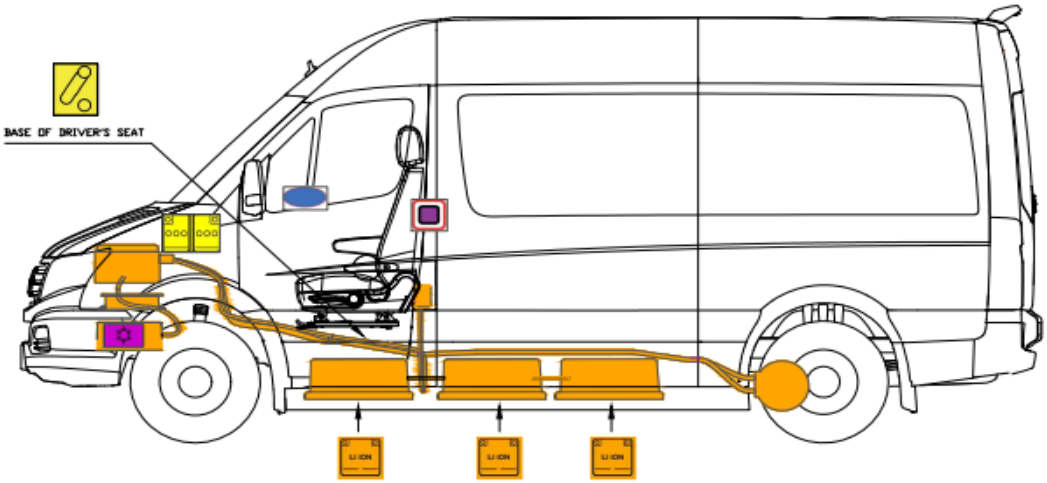
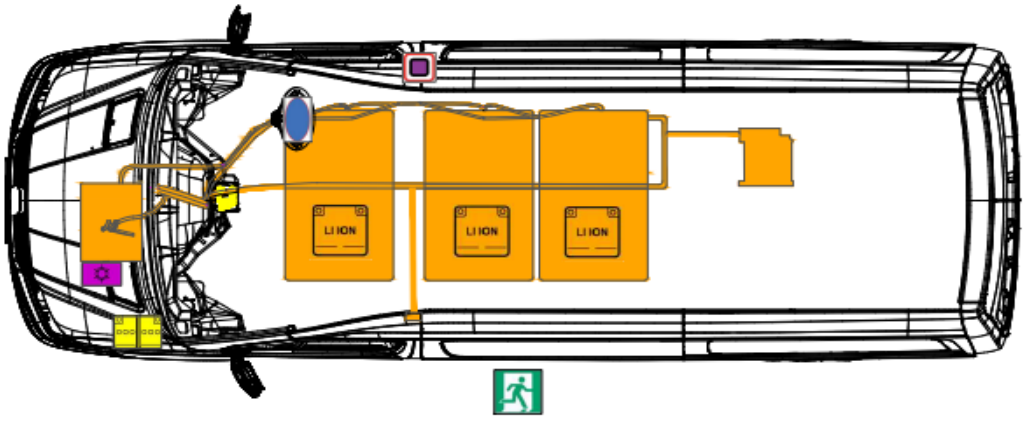
Bus & Coach International (BCI)

Model: **5.9 Metre – Van / Bus**

Body Type: **Cargo VAN / Small bus**

Production starting: **2024 -**





Electric Propulsion	Traction Voltage Battery 150 V Lithium-ion	Traction Voltage Component	Traction Voltage Power Cable	Break to Access	Low Voltage Battery	Low Voltage Disconnect
Air Conditioning Component	Air Conditioning Line	Emergency Exit	Pre-tension seatbelt	Airbag		

1. Identification/Recognition

	This decal is placed on all high-voltage components. Always treat components and orange harnesses as live.

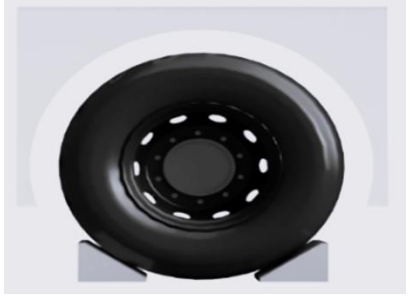
2. Immobilisation / Stabilisation

I. Immobilise the vehicle.

1. Apply the Parking Brake by pulling the switch out.

2. Select Neutral Gear by firmly pressing the “N” button.

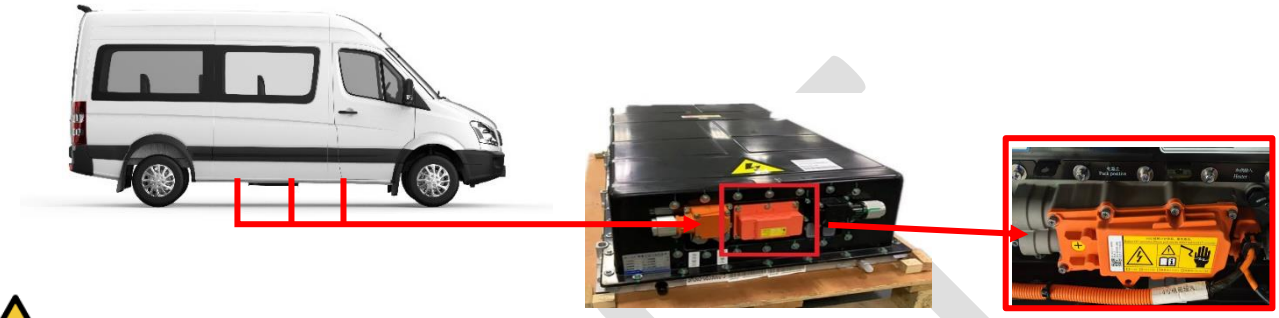
3. Use approved Wheel Chocks to chock both sides of the wheel.



3. Disable direct hazards/Safety regulations

Always assume that the vehicle or its components are powered, even if it is silent!
In case of traction system failure, risk of voltage on the traction cables exists, even if power is off!
Note! Do not touch or cut orange traction voltage power cables.
Do not touch or open traction voltage components.

Disabling traction voltage.
IN AN EMERGENCY, To de-energise the High Voltage circuit, unbolt and remove the MSD (Manual Service Dis-connector) from each of the **3** x battery packages.



WARNING: High Voltage may be present for 15 minutes after isolation.

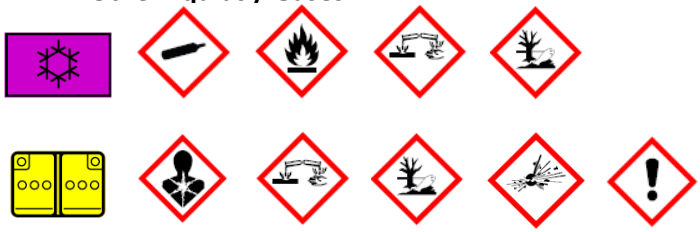
4. Access to the occupants

One emergency exit through front sliding door.

5. Stored energy / Liquids / Gases / Solids.

I. Traction Voltage Lithium-ion battery.

II. Other liquids / Gases.



6. In case of fire.

I. Lithium-ion Battery fire sysptoms:

1. Fire alarm on dashboard.
2. Smoke or streaks of intense fire from traction battery compartments (indicated in Hazard identification diagram).

Use large amounts of water to put out lithium-ion battery related fire. Do not use a class ABC fire extinguisher! *Note:If electrolyte comes into contact with water, hydrofluoric acid and hydrgen gas may be formed.*

Do not use class ABC fire extingushier for the battery related fire. ABC dry chemical is ineffective.

When fighting the fire with water, any electrical hazars have to be considered and rules have to be respected**.**

Hydrogen fluride, carbon monoxide, cabron dioxide can be release. Wear Self Contained Breathing Apparatus (SCBA) and cover your skin.

Risk of battery re-ignition (see chapter 8)

II. Fire related to other materials:

Class ABC fire extinguisher can be used.

7. In case of submersion

if possible:

1. Remove vehicle from the water.
2. Disable direct hazards (see chapter 3) **Do not re-power vehicle!**
   Note: Risk of traction voltage battery fire after submerged in salt water.
3. Seek further guidance from Bus and Coach International.

Risk of serious injury or death from electric shock. Wear appropriate Personal Protective Equipment (PPE)

8. Towing / Transportation / storage

I. Storage post fire / crash

Store the vehicle a safe distenace from other vehicles , buildings and combustiable objects.

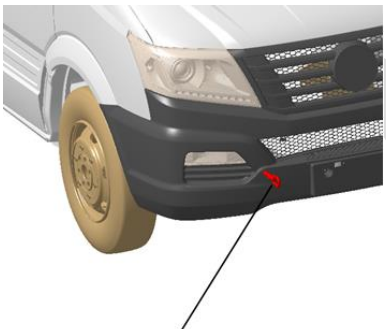
Risk of battery fire re-ignition after incident.
Observe the batteries for at least 48 hours. Toxic and flammable gases can be released.

In case of open cells, there is a risk for release of hydrofluoric acid and carbon monoxide.
If severe damage causes exposure of traction voltage components, use PPE including SCBA.

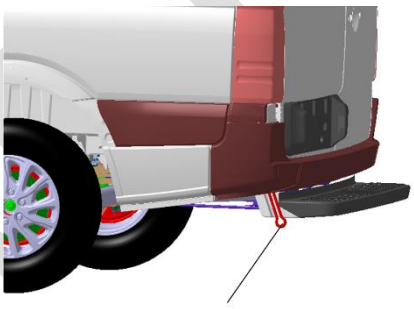
II. Towing

Allowed methods:

1. Vehicle loaded and transported on trailer.
2. The vehicle can be line towed to remove from immediate danger using the tow points located in the front and rear bumpers of the vehicle (front pin is stored in passneger glover compartment)
   - **speed must not exceed 5kmh**



Insert pin to front bumper.



Locate under rear bumper.

9. Important additional information

- Do not touch or cut orange traction voltage power cables.
- Do not touch or open traction voltage components.
- Do not damage the battery pack, even if the propulsion system is deactivated.
- Do not step on or press on damaged batteries.
- Always use PPE when working on electric vehicle.

BUS AND COACH INTERNATIONAL
Delivering Sustainable Transport