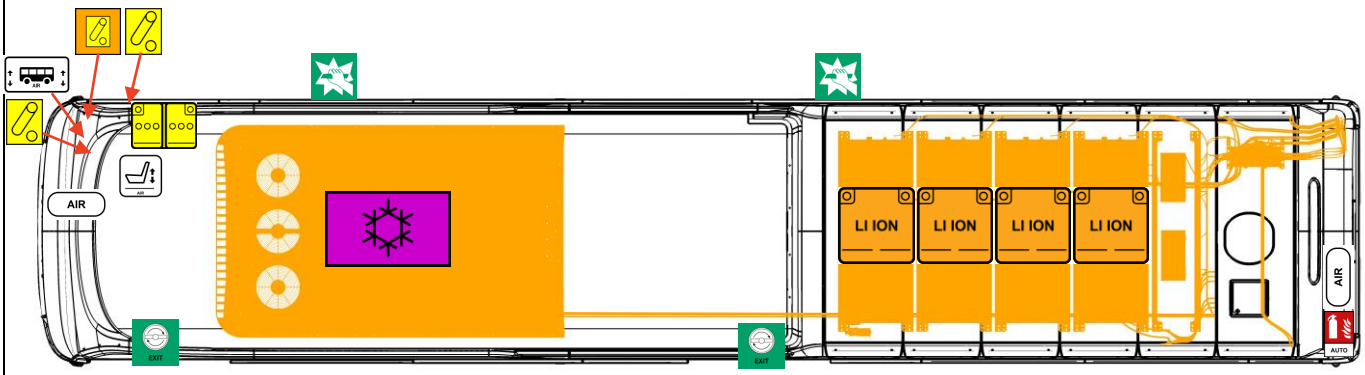
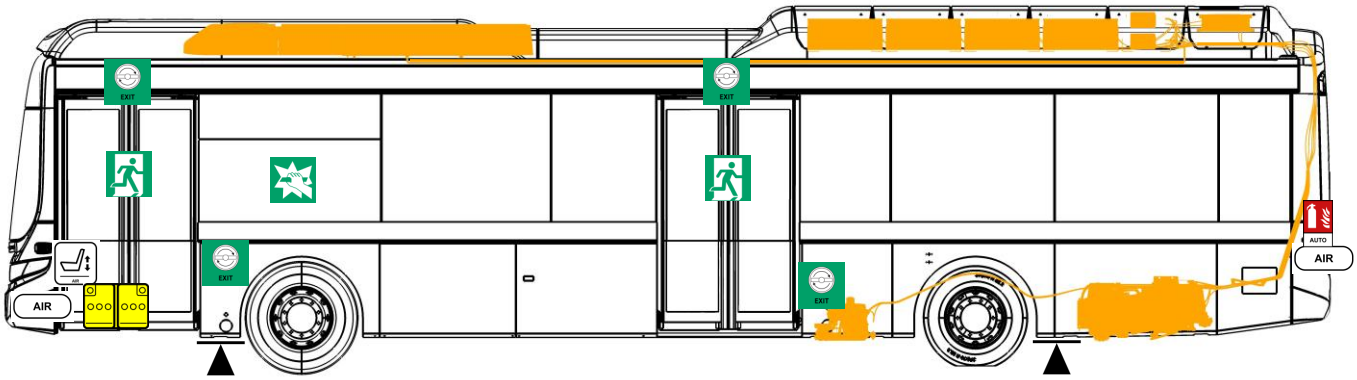




Electric Propulsion	Traction voltage Battery (600 V), lithium-ion	Traction voltage component	Traction voltage power cable	Disconnect Traction Voltage	Device to shut down power in vehicle
Low voltage battery	Break to obtain access	Emergency door opener	Emergency Exit	Height control	Seat adjustment
Lifting point	Air-conditioning component	Air tank	Auto fire suppression	Right-hand drive	

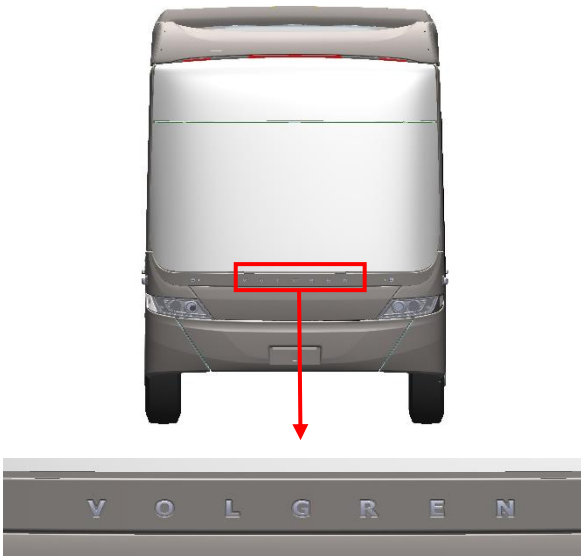
1. Identification/recognition

Volgren electric bus body on Volvo BZL Chassis identification.

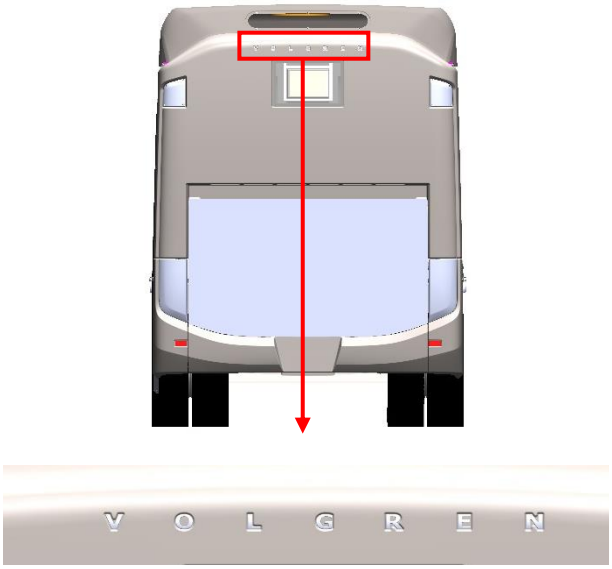
Presence of roof-mounted battery pod covers:

Translink Queensland livery:

Volgren Body Front Identification:



Volgren Body Rear Identification:



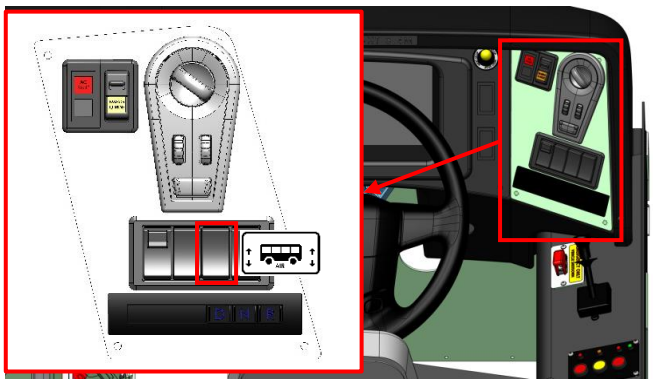
2. Immobilisation/stabilisation/lifting

Immobilisation and Stabilisation actions:

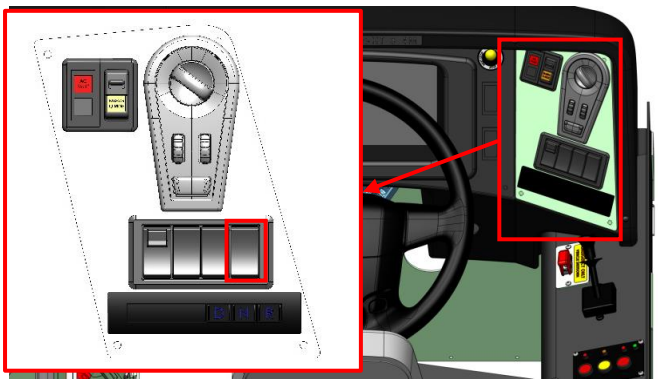
Apply handbrake:

Place vehicle in Neutral:

Raise/Lower Suspension:



Kerb-side kneel



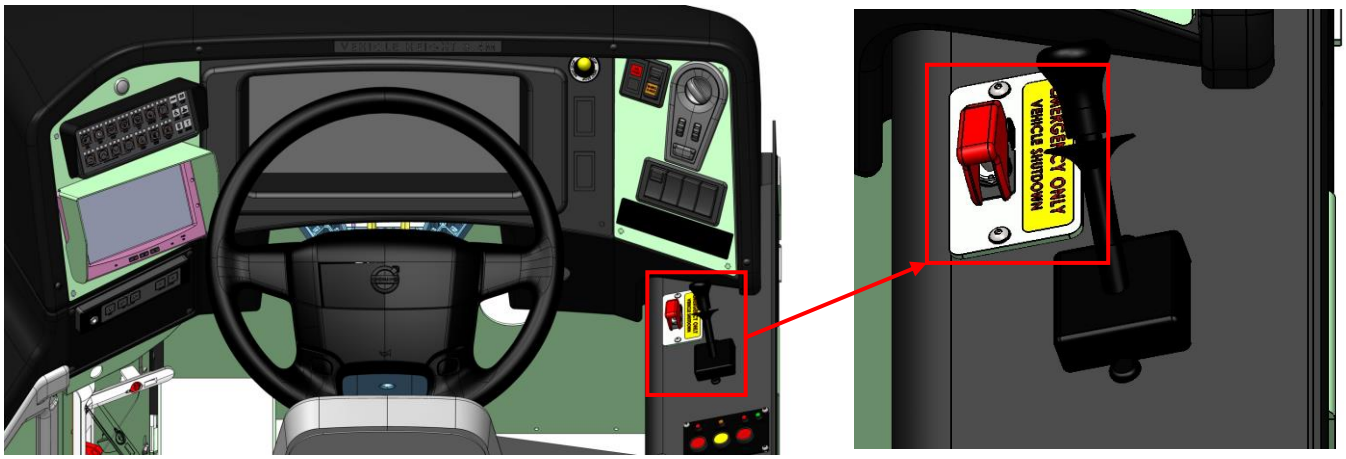
3. Disable direct hazards/safety regulations

The High-Voltage batteries are equipped with an active cooling system which is powered by the Traction Voltage system, and is active while the Traction Voltage system is active.
Do not cut through or otherwise damage orange high-voltage cables.
Do not touch or open orange high-voltage cables or traction voltage components.

Preferred emergency Traction Voltage shut down procedure:

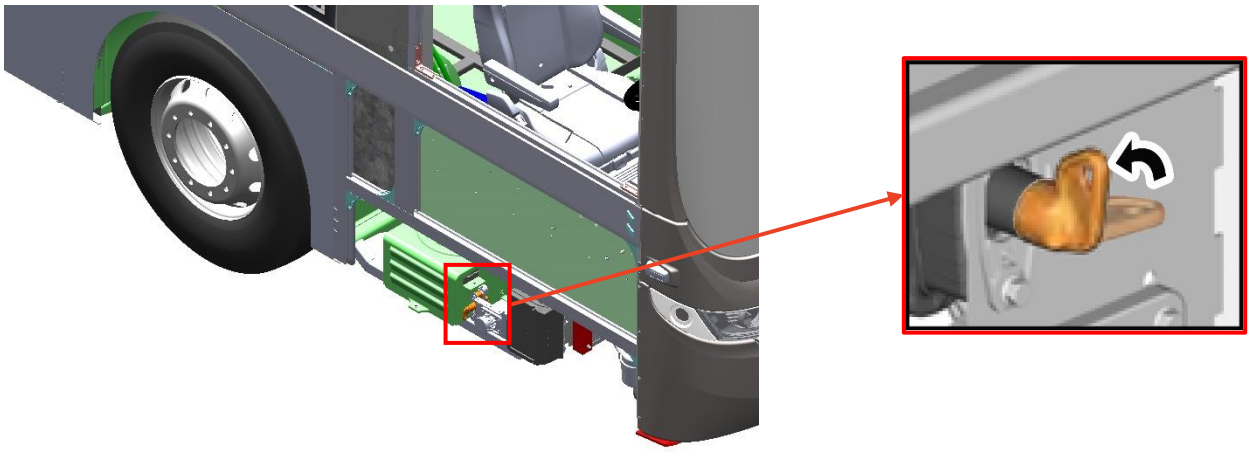
Traction system emergency switch is located on the side console next to the handbrake.

WARNING: Do not close the switch cover after activaton as this re-energises the Traction Voltage system.

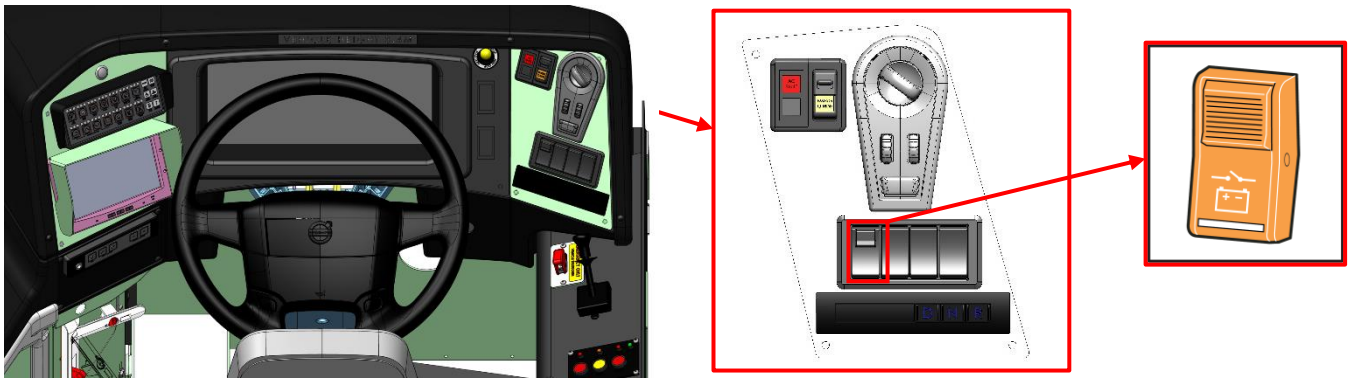


Alternative emergency Traction Voltage shut down procedures:

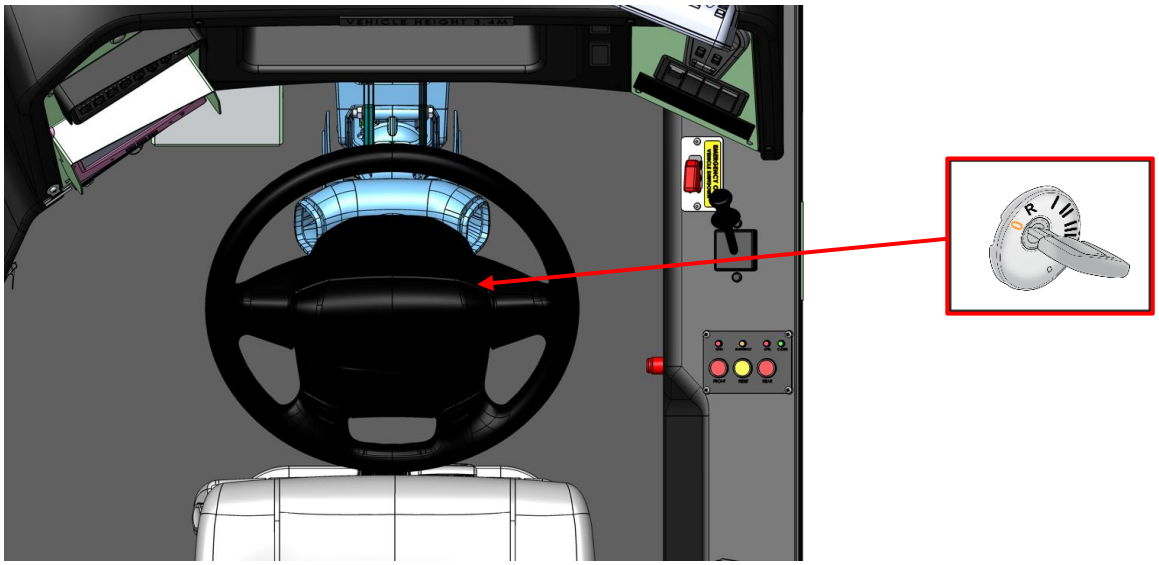
Battery Isolator.



Low-voltage master switch.

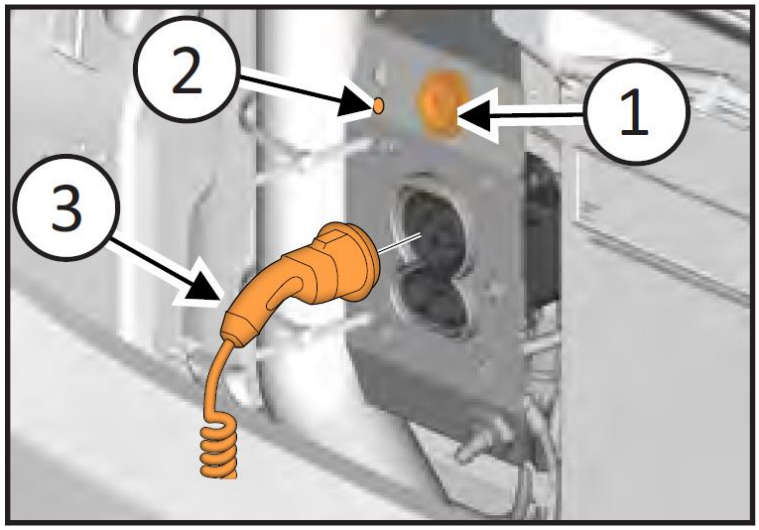


Ignition switch. Turn the switch completely counter-clockwise to the “0” position.



Procedure when Charger is connected:

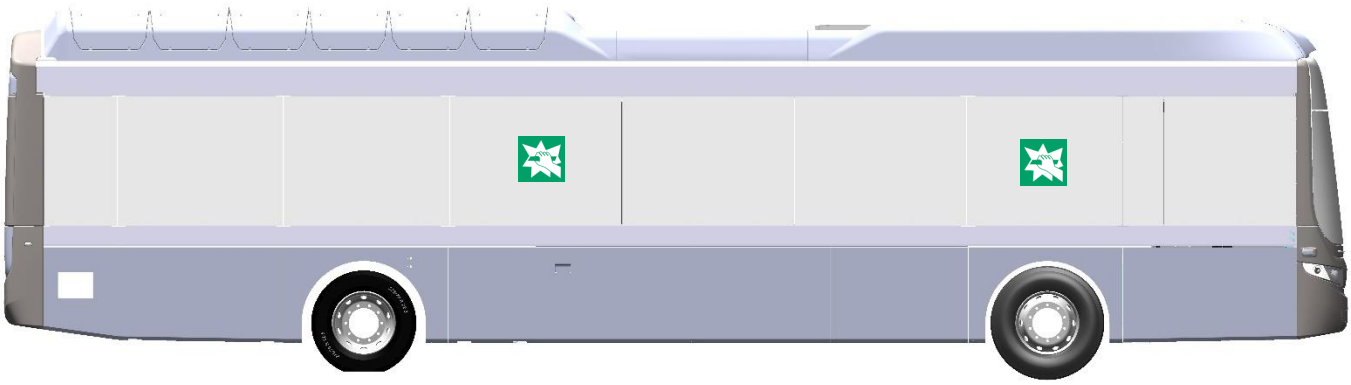
1. Push the button.
2. Wait until the LED goes out.
3. Remove the charging plug.



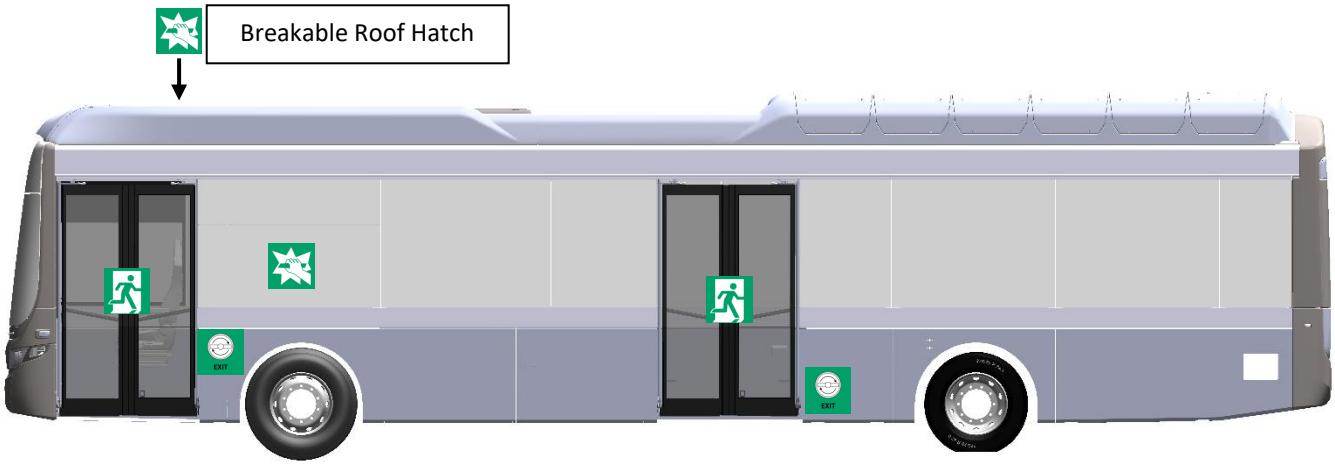
4. Access to the occupants

When accessing occupants, take care not to puncture, cut, or otherwise damage any high voltage components as shown in Page 1. Volgren bus body is aluminium framed with no specific high-strength zones or designated cut zones.

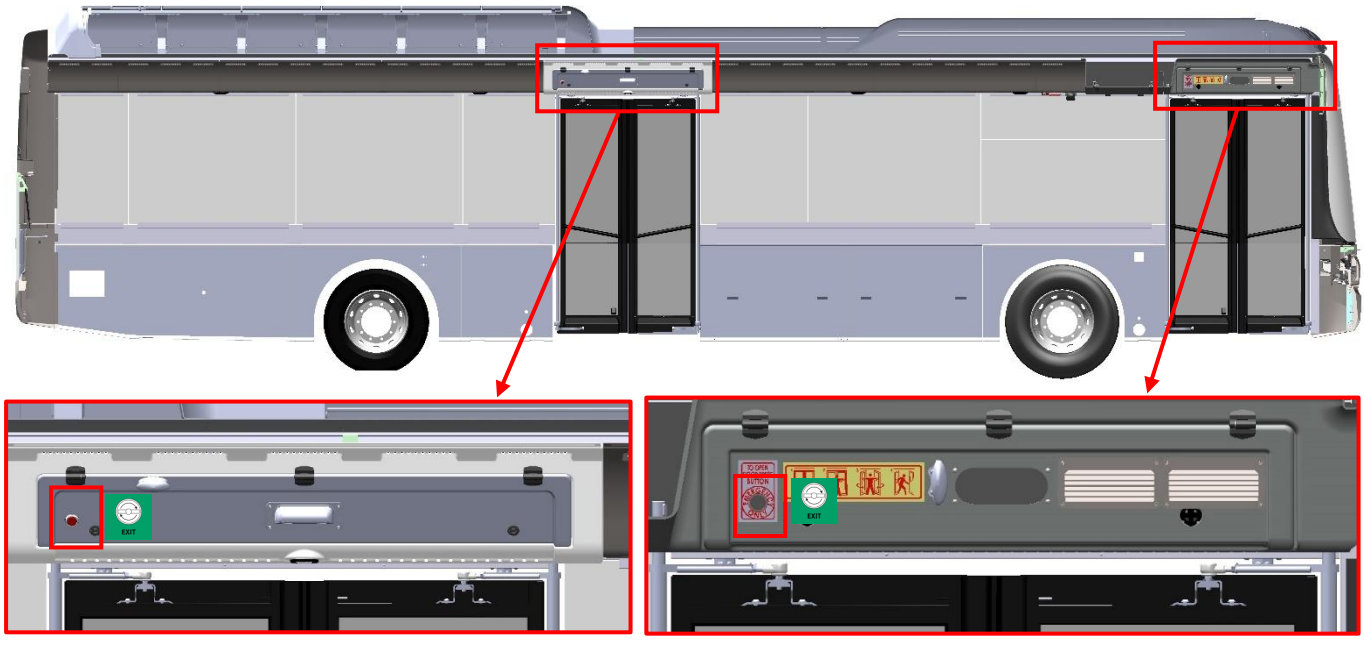
Breakable glass windows:



Doors with exterior access buttons:



Interior emergency door open buttons:



5. Stored energy/liquids/gases/solids

600V traction voltage lithium-ion battery:

4 roof-mounted lithium-ion batteries.

A/C unit:

Refrigerant HFC134a, Charging amount 2.4 – 2.6 kg.

Compressor: Pressure Relief Valve 2.67 MPa Normal Specified Pressure, 3.33 MPa Abnormally high pressure.

Pneumatic system:

There are 5 air tanks fitted to the vehicle, 1 at the front under the driver's platform and 4 at the rear as shown in the rescue sheets.

Nominal pneumatic system pressure is 7.5 bar.

Low Voltage batteries:

Located underneath the driver's window on the road side of the bus.

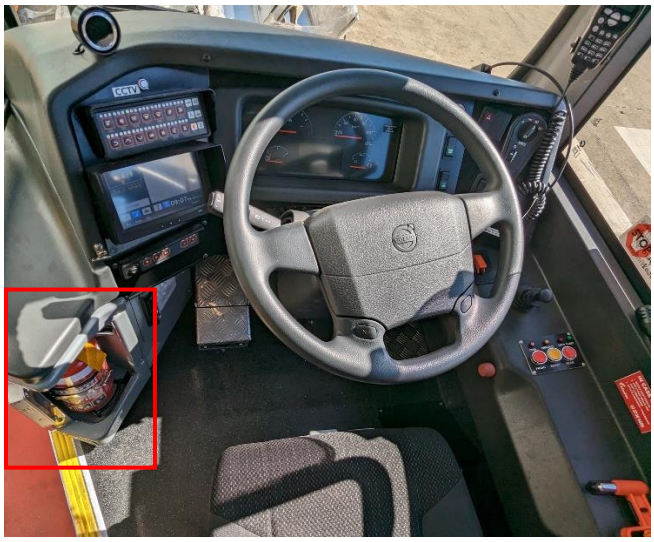
6. In case of fire

Follow Section 3 to disable direct hazards if applicable.

Follow standard emergency procedures as per local authorities.

Automatic Fire Suppression system is installed as shown in Page 1.

A 2.5kg ABE dry chemical powder fire extinguisher is located at the driver's platform:



7. In case of submersion

Follow Section 3 to disable direct hazards if applicable.

Follow standard emergency procedures as per local authorities.

8. Towing/Transportation/Storage

Tow eye located in steelwork under front bumper. Flip up number plate hinge and attach eyelet to threaded section:

9. Important additional information

The High-Voltage batteries are equipped with an active cooling system which is powered by the Traction Voltage system, and is active while the Traction Voltage system is active.
Do not cut through or otherwise damage orange high-voltage cables.
Do not touch or open orange high-voltage cables or traction voltage components.