

Exterior Exit Buttons in Panel or Under Pillar

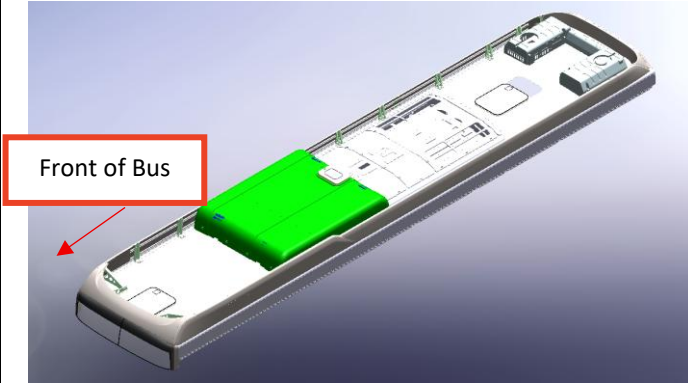
Charger may be located on both sides.

Electric Propulsion	Traction voltage Battery (500 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 BYD BC12A06 Blade 1 Chassis identification.

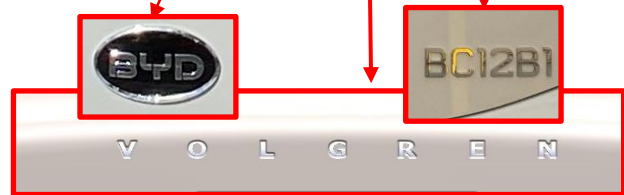
Presence of roof-mounted battery pod cover:



Volgren Body Front Identification:



Volgren Body Rear Identification:



2. Immobilisation/stabilisation/lifting

Immobilisation and Stabilisation actions on vehicle dash, accessed from the driver's seat position:

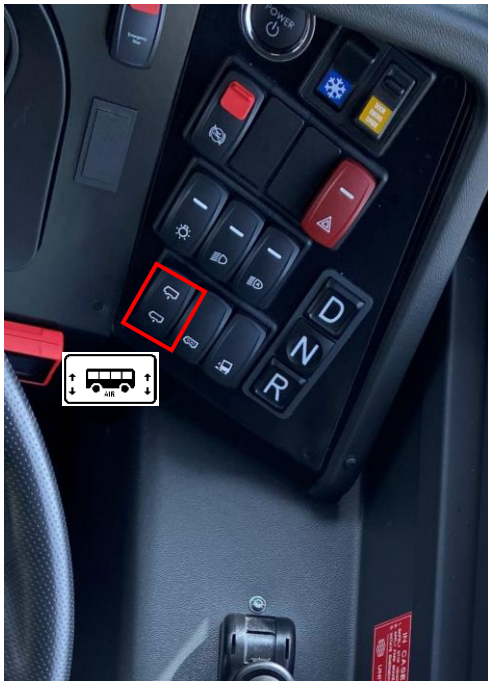
Apply handbrake:



Place vehicle in Neutral:



Raise/Lower Suspension:



Kerb-side kneel



3. Disable direct hazards/safety regulations



The High-Voltage batteries and cables between the batteries and the battery management components are always live while the batteries contain charge. The only method of isolating the High-Voltage batteries is to physically disconnect the cables at the battery terminals. Refer to Chassis Manuals for decommissioning procedures.

The below list of Traction Voltage shut down switches will only disable voltage within the traction system.

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 tractive components shut down procedure:

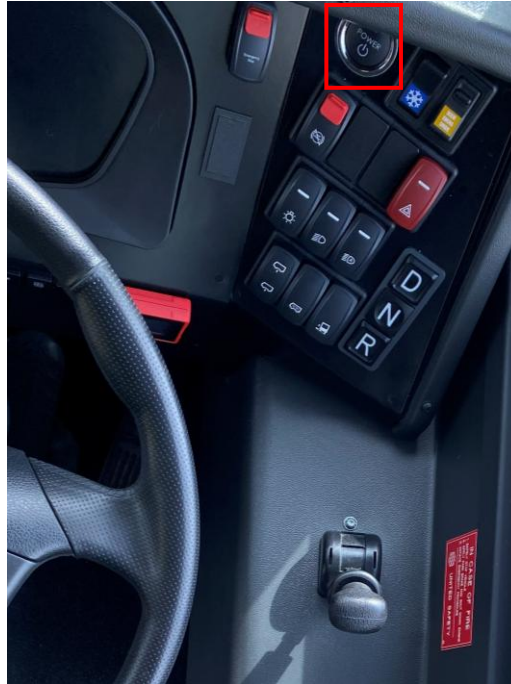


Dash-mounted emergency stop switch. Accessed from the driver's seat position.

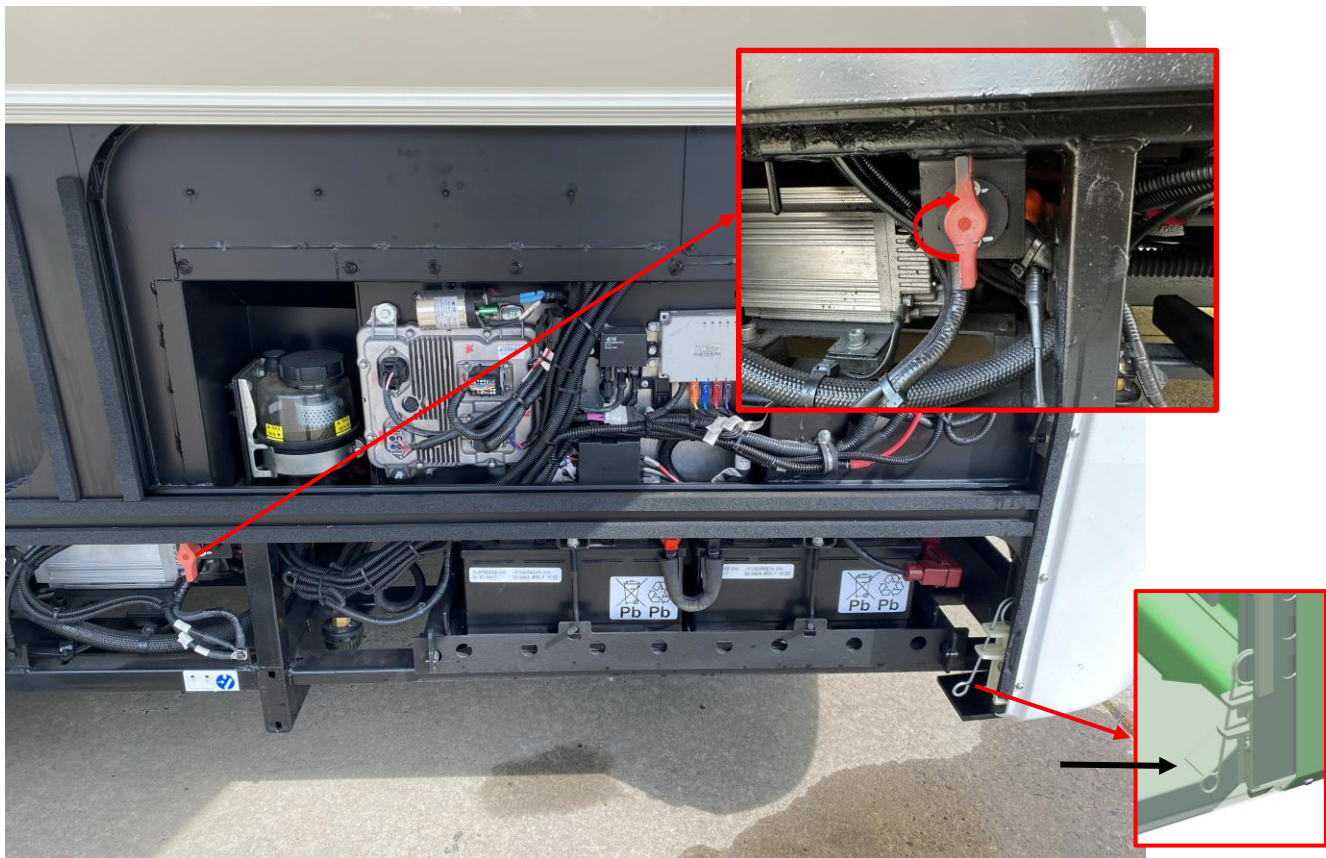


Alternative tractive components shut down procedures:

- Ignition. Press the button to turn the Power off.



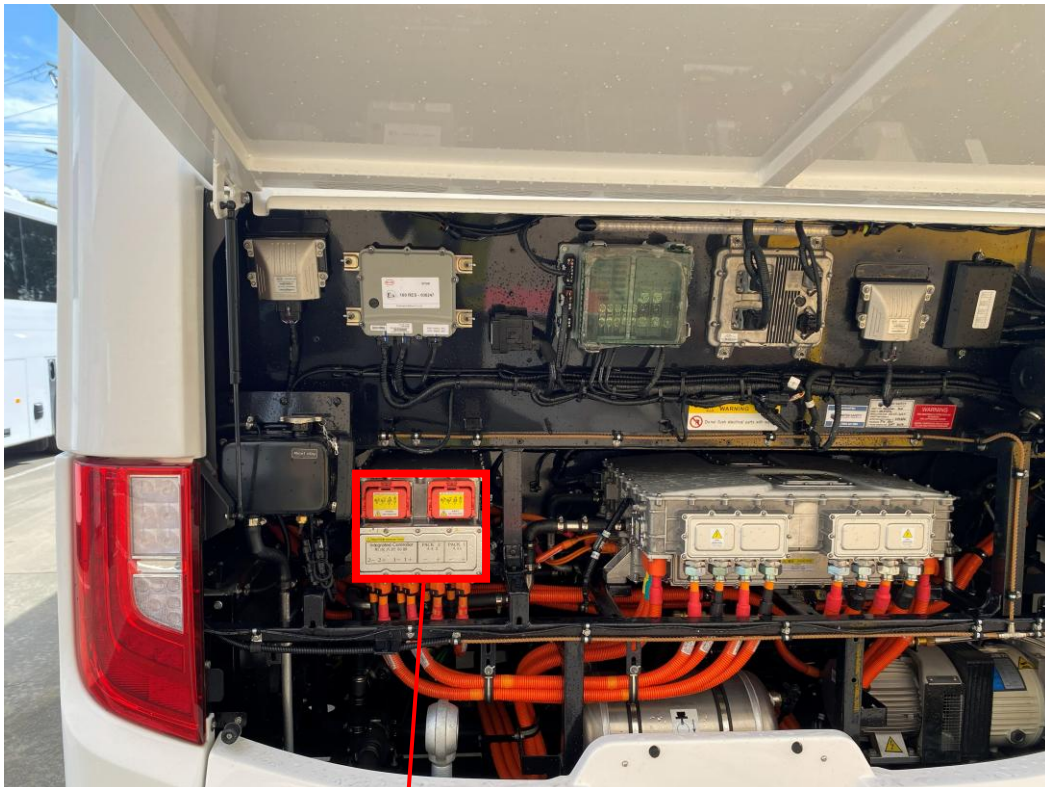
- Battery Isolator. Rotate clockwise to off position.



LV batteries are located under the Driver's platform, accessible from the outside of the bus via the hinged panels. Activate spring latches to open panel – panel may also be key-locked via square drive key.



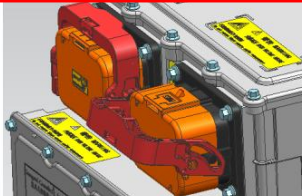
High Voltage Service Switch is located at the rear of the bus.



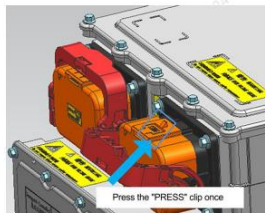
① Toggle out the small locking clip.



② Rotate the handle to close to 90°, and the pull-out force for the handle increases obviously



③ Now press the clip and continue to rotate the handle to 90°.



④ Complete the pull-out

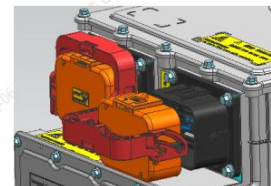
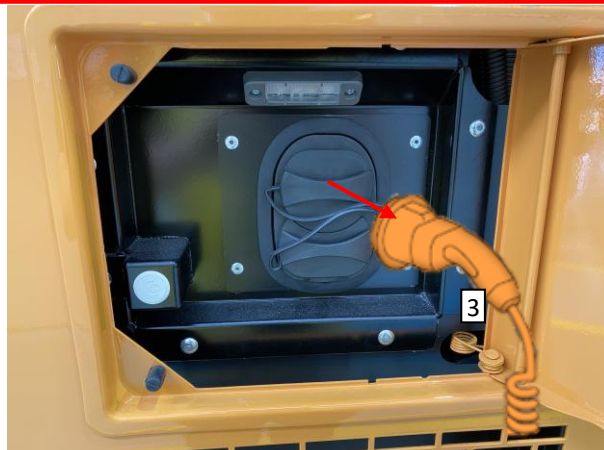


Figure 2-5 Pull Out the Service Switch0-5

Procedure when Charger is connected:

1. Press the stop button on the charger's terminal screen, or press the emergency stop button (during emergencies) on the charger terminal.
2. Remove the charging plug.
3. If the charge plug is locked to the bus, manually rotate the release latch located behind the charge port to manually release the charge port locking pin.



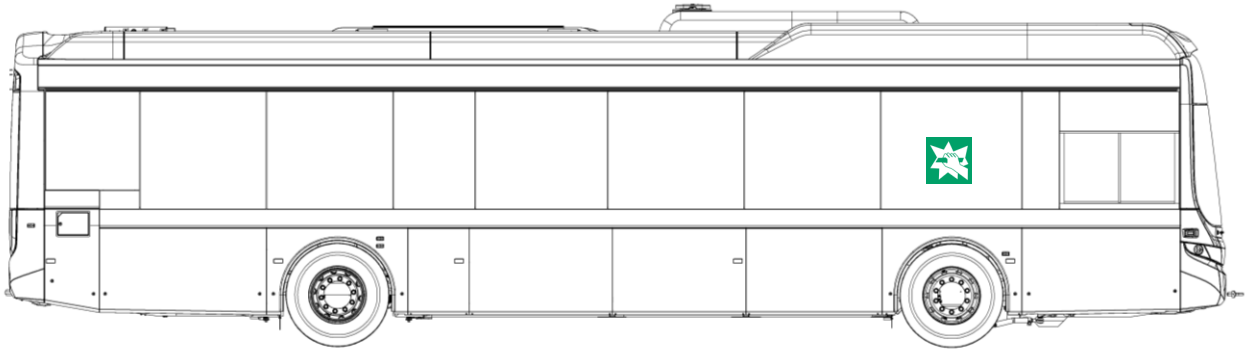
4. Access to the occupants



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.

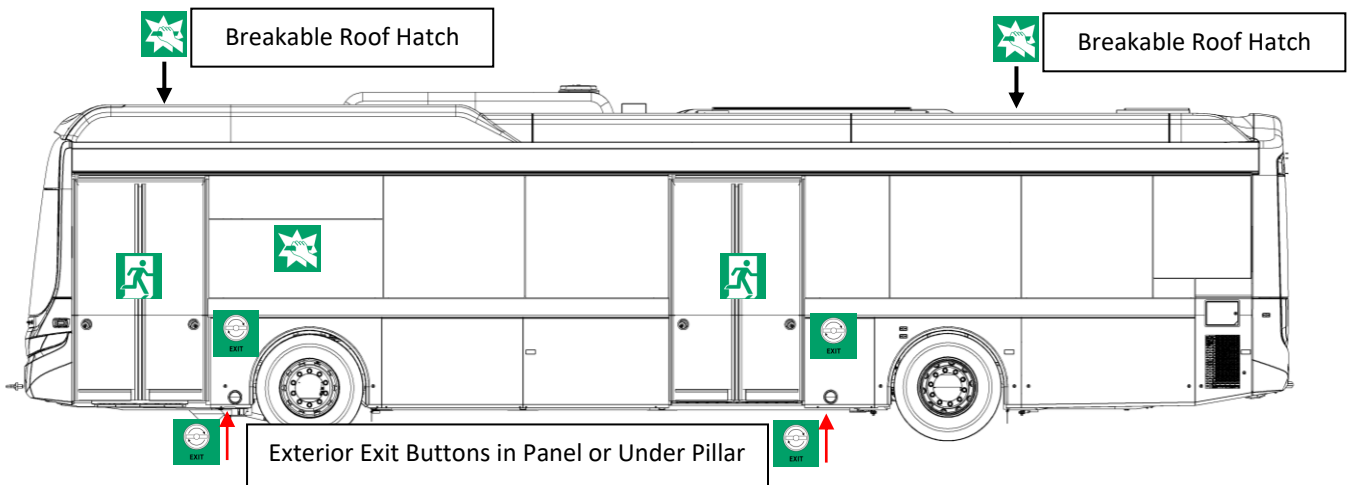
Breakable glass windows:

The position of breakable glass windows is highlighted with decals. The presence of emergency steps if included also indicates the position of breakable glass.



Doors with exterior access buttons:

Exterior access buttons may be found in the panels beside the doors, or underneath the pillars to the sides of the doors.



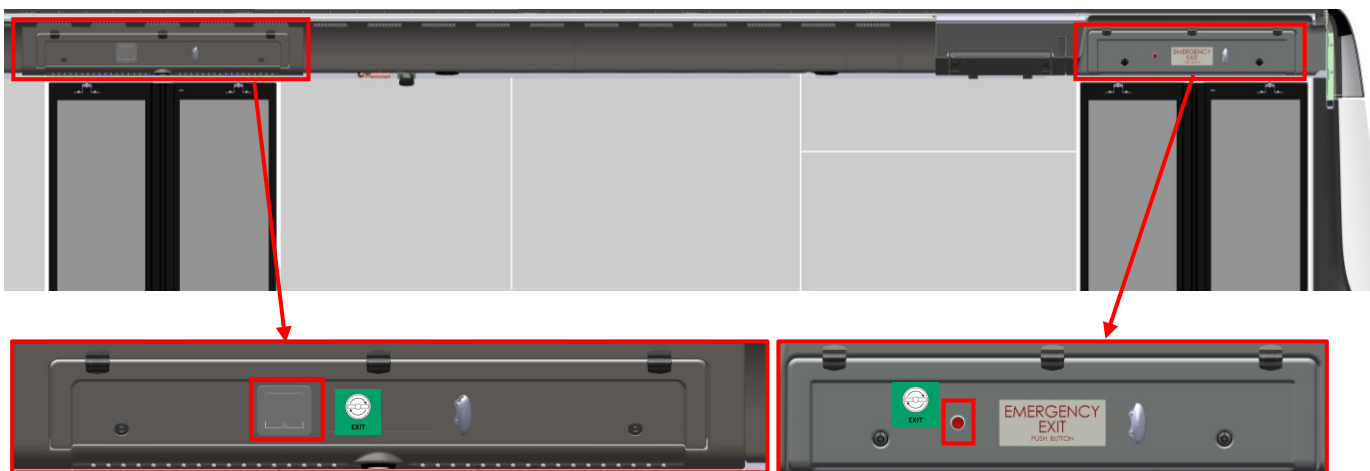
Interior emergency door open buttons:

Both the front and rear doors contain emergency exit buttons above the doors which are labelled.

Various covers or button housings may be in use.

Typical examples are shown below.

Front of Bus →



5. Stored energy/liquids/gases/solids

500V traction voltage lithium-ion battery:

6 roof-mounted lithium-ion batteries.

6 lithium-ion batteries mounted below the floor behind the rear axle.



A/C unit:

Refrigerant gas held under pressure.

A/C unit powered by high voltage.



Pneumatic system:

There are 5 high-pressure air tanks fitted to the vehicle at the rear and 1 fitted underneath the driver's platform as shown in the rescue sheets.



Low Voltage batteries:

Located underneath the driver's window on the roadside 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:



To tow vehicle, ensure there is sufficient air in the pneumatic system to disengage the park brake and door interlocks.

Note: The front eye is only for flat towing use, NOT for retrieval purposes. Please refer to Chassis OEM documentation for other tow points.

9. Important additional information



The High-Voltage batteries are always live while they contain charge.
The only method of isolation is to physically disconnect the batteries at the battery terminals.
Refer to Chassis Manuals for decommissioning procedures.

Do not cut through or otherwise damage orange high-voltage cables.
Do not touch or open orange high-voltage cables or traction voltage components.