
**Low Voltage  
Battery**

**High Voltage  
Battery**

**Electric  
Drive**

**High Voltage  
Junction Box**

**High Voltage  
Cable**

**Compressed  
Air Tank**

**HV / LV  
Disable**

**Emergency  
Exit**

**Break Glass  
Exit**

**24v Battery  
Disconnect**

**Emergency  
Stop Switch**

**Door Control**

**Electric Air  
Compressor**

**BTMS  
Air Conditioning**

**High Voltage  
Electrics**

**High Pressure  
Gas Struts**

**Lifting Point**

**Auto Fire  
Suppression**

## 1. Propulsion Identification



Li-Ion / LFP Battery - Electric bus with optional overhead pantograph charging.

**CAUTION:**

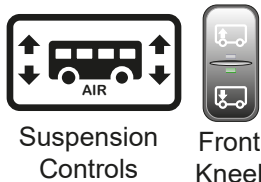
Lack of noise does not mean vehicle is off:  
Silent movement or instant restart capability exists until vehicle is fully shut down

**Model Identification:**

If present, the manufacturer logo is displayed at centre of the front of the bus. The rear panel may show the model name.

**Enviro100EV****Enviro100EV**

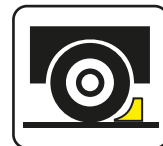
## 2. Immobilisation / Stabilisation / Lifting



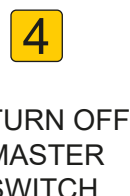
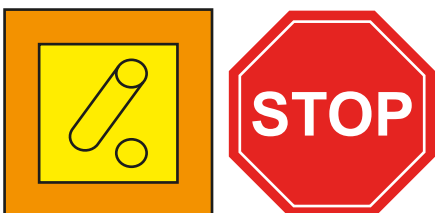
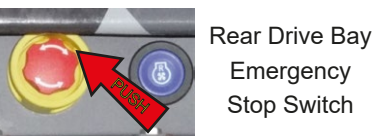
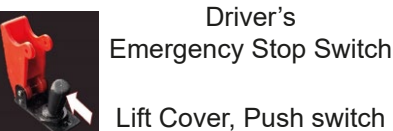
Suspension height controls on driver's console.

**WARNING:**

In the event of electrical failure, the Electronic Parking Brake will not respond and wheel chocks **MUST** be used to prevent runaway.



## 3. Disable Direct Hazards

**Safe Vehicle Shutdown Procedure**

To confirm when vehicle is powered fully off:

- No illumination on instrument cluster
- No lights on master or Ignition switches

**HV Isolation by 2 methods:**

Lift cover and push emergency stop toggle on driver's console, inside cab.

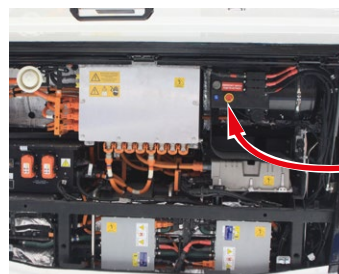
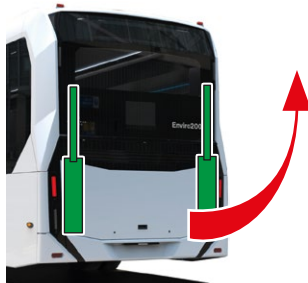
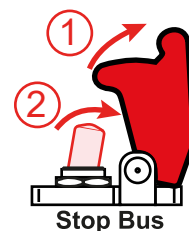


Push emergency stop switch inside rear drive bay.

Switch can be secured with a padlock.

**Emergency Vehicle Shutdown ( ALL HV & 24V systems )**

OR



## 4. Access to the Occupants



Escape Glass in side elevation windows (and optional skylights).

**1** To open the doors from outside, push the emergency button.

To open the doors from inside, push the emergency button located near the top edge of the doors.

Lift the flap and push the button to release the doors.

**2** If the doors do not operate, they can be pushed open manually.

Front/entrance doors:  
Push the outer edge inwards.  
Pull the door into the bus.



External Emergency Exit Button



Internal Emergency Exit Button

## 5. Stored Energy / Gases



750V Li-Ion



All High Voltage cables have **orange** insulation



Coolant is **BLUE**



Refrigerant.  
HFO-R407C



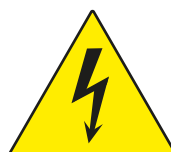
Do not cut **orange cables** or open high voltage enclosures.



Ethylene Glycol  
Hazards: H302, H373

Contact with liquid or refrigerated gas can cause cold burns and frostbite.

## 6. In Case of Fire



Do not spray water directly into the Drive Bay.

Battery Product identification:

Lithium iron phosphate (LFP) Battery Packs

Chemical Class:

ADR Class 9 – miscellaneous dangerous goods.

**DO NOT USE WATER ON BATTERY FIRES:**

C02, metal fire-ex powder or dry powder fire extinguishers are acceptable.

**⚠ WARNING:** Do not submerge vehicle to extinguish fire.

Auto fire suppression in drive bay.

**⚠ Battery Re-Ignition**

Where a battery fire is experienced or suspected, monitor for at least 48 hours with thermal fire detection equipment.



Thermal Fire  
Detection Recommended



## 7. In Case of Submersion



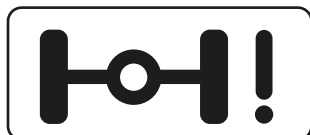
Isolate HV



As for **Section 3 - Disable direct hazards.**

Follow safety routines once out of water.

## 8. Towing / Recovery



Ensure vehicle is in neutral then isolated.  
Apply wheel chocks to prevent movement.  
Wind off park brake actuators to release park brake.

Remove half-shafts or drive shaft when towing.

or

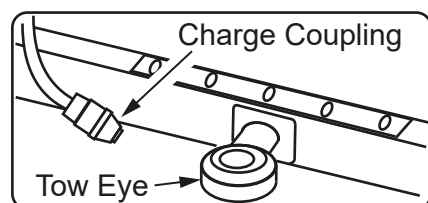
Elevate and support drive axle.

Connect tow bar to OFFSIDE towing eye only.

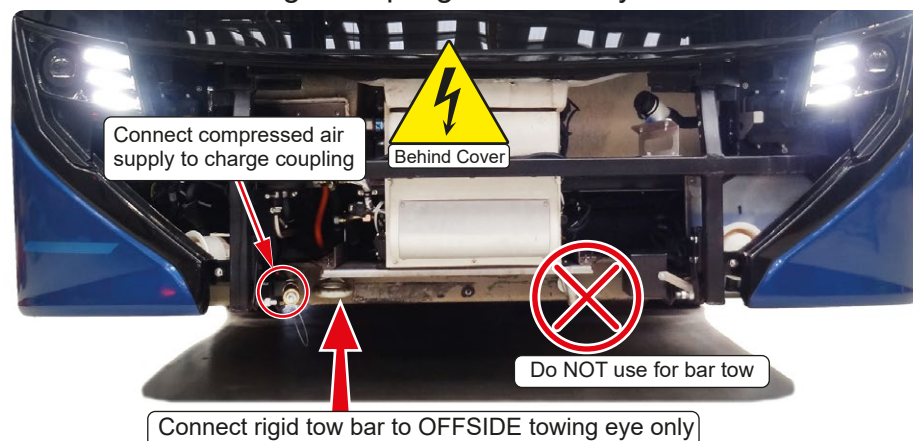
or

Use A-frame on both towing points at front.

Connect air to Charge Coupling if necessary



Open panel and lift out  
and away from the clips

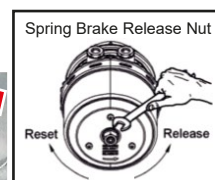
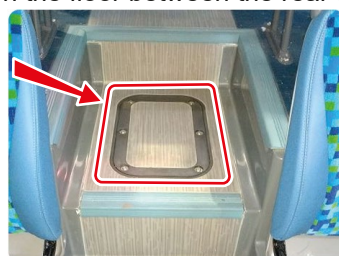


**For rigid bar towing, only the OFFSIDE eye must be used, as indicated, to prevent damage to the front components.**

**The vehicle may be towed using both front towing points and an A-Frame.**

## MANUAL PARK BRAKE RELEASE

Access to the drive axle actuators is via an access panel on the floor between the rear seats over the rear axle.

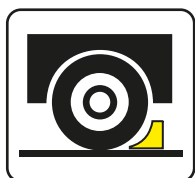


24MM



Use a 24mm spanner to wind the actuators off to release the brakes.  
When the vehicle is towed, the rear half-shafts must be removed to prevent damage to the axle or drive motor. Alternatively the propshaft may be removed or the rear axle lifted off the road

## CHOCK WHEELS BEFORE PROCEEDING



### ⚠ WARNING:

In this condition the brakes are  
completely inoperative.  
Wheels **MUST** be chocked.

## 9. Contact Information

### Alexander Dennis

Contact details for more information

✉ email: [info@alexander-dennis.com](mailto:info@alexander-dennis.com)

### Alexander Dennis

Trident House, 2 Voyager Park  
Dingley Way, Farnborough  
GU14 6FF. United Kingdom  
Telephone: + 44 (0)1483 571271

### Alexander Dennis

9 Central Boulevard  
Central Park, Larbert  
FK5 4RU. United Kingdom  
Telephone: +44 (0) 845 358 9988