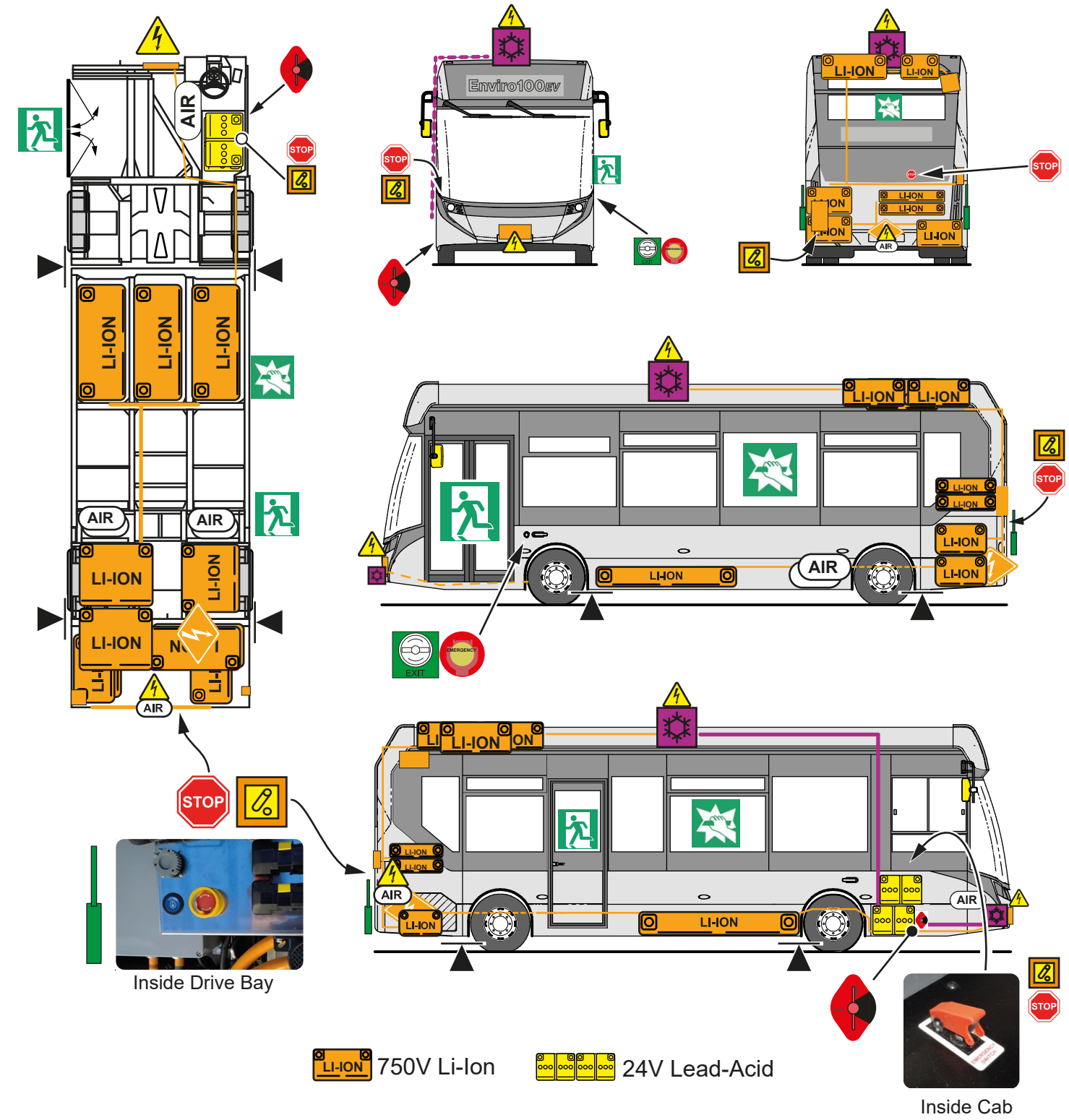
Alexander Dennis Enviro100EV Single Door, Single-deck Body 2024/-

Enviro100EV



RHD



Inside Drive Bay

Inside Cab

LI-ION 750V Li-Ion

24V Lead-Acid

Low Voltage Battery	High Voltage Battery	Electric Drive	High Voltage Junction Box	High Voltage Cable	Compressed Air Tank	HV 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	

1. Propulsion Identification

Li-Ion / NMC 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 Controls

Front Kneel

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

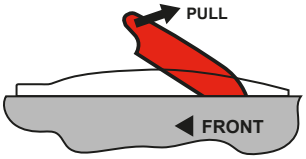
Safe Vehicle Shutdown Procedure

1

SELECT NEUTRAL

2

APPLY PARK BRAKE



3

TURN OFF IGNITION

WAIT 10 SECS

4

TURN OFF MASTER SWITCH

To confirm vehicle is powered fully off:
- No illumination on instrument cluster
- No lights on master or Ignition switches

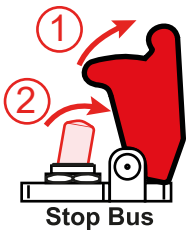
HV Isolation

Safety Isolation: Lock out all electrical systems

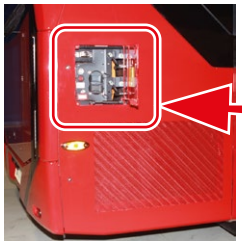
Secure with a padlock.

Rear Drive Bay Emergency Stop Switch

Emergency Stop Switches

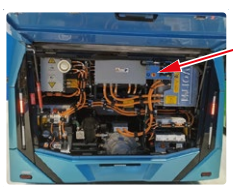


OR



Optional Fitment: (May not be present on all vehicles)

OR



Rear Drive Bay Emergency Stop Switch

4. Access to the Occupants

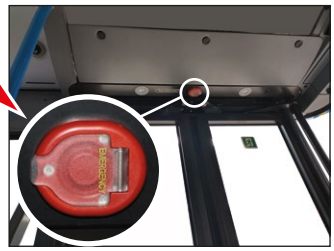
Escape Glass in side elevation windows (and optional skylights).

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.

1

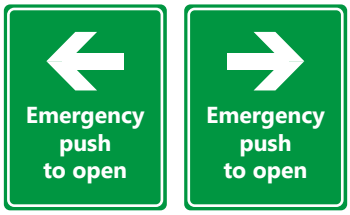
External Emergency Exit Button



Internal Emergency Exit Button

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.



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

Thermal Fire Detection Recommended

Do not spray water directly into the Drive Bay.

Battery Product identification:
NMC lithium-ion battery pack
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.

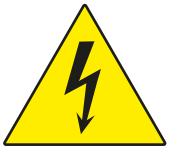
7. In Case of Submersion

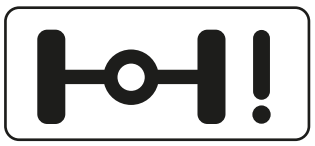
Isolate HV

As for Section 3 - Disable direct hazards.

Follow safety routines once out of water.

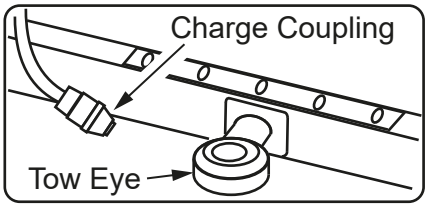
8. Towing / Recovery





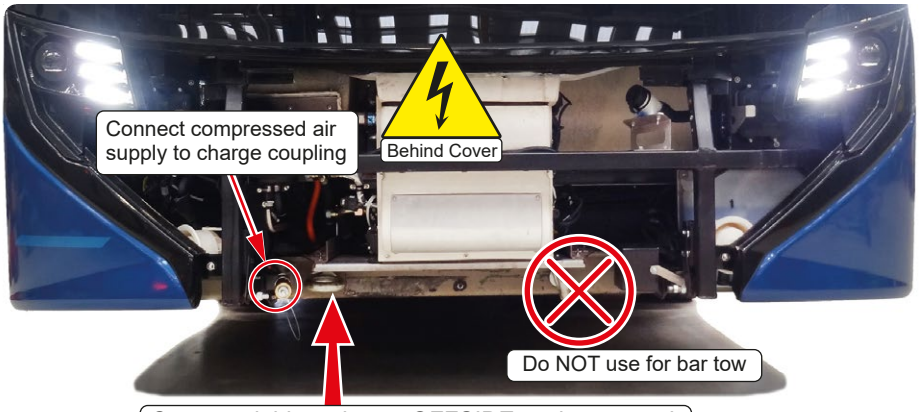
Ensure vehicle is in neutral then isolated.
Apply wheel chocks to prevent movement.
Wind off park brake actuators to release park brake.

Remove half-shafts or drive shaft when towing.
or
Elevate and support drive axle.



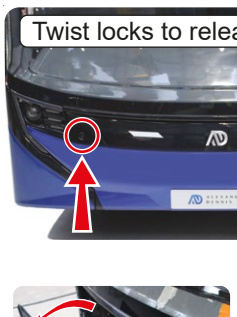
Connect tow bar to OFFSIDE towing eye only.
or
Use A-frame on both towing points at front.

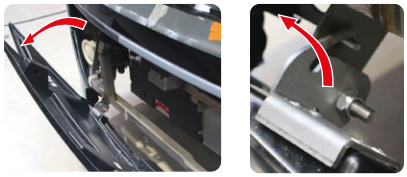
Connect air to Charge Coupling if necessary



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.





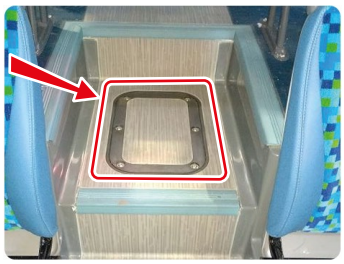
Open panel and lift out
and away from the clips

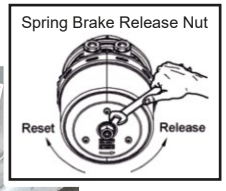
CHOCK WHEELS BEFORE PROCEEDING

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

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.





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

9. Contact Information

Alexander Dennis
Contact details for more information

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