




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	Auto Fire Suppression
Doc. Ref: 2982-4	Issue / Version Date: Sept 2025	Doc Standard: ISO 17840-2	Copyright © Alexander Dennis 2025 – All rights reserved			Page 1 / 4		

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.

Enviro400EV

Enviro400EV

2.

Immobilisation / Stabilisation / Lifting

Suspension Controls




Front Knee

Full Raise Lower

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


1



SELECT NEUTRAL

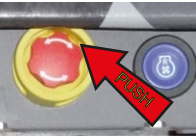


Driver's Emergency Stop Switch



Lift Cover, Push switch


Rear Drive Bay Emergency Stop Switch



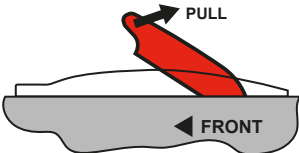
PUSH

Safe Vehicle Shutdown Procedure


2



APPLY PARK BRAKE




3




TURN OFF IGNITION


WAIT 10 SECS



4






TURN OFF MASTER SWITCH




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.



Maximum 6mmØ Hasp


Emergency Vehicle Shutdown (ALL HV & 24V systems)




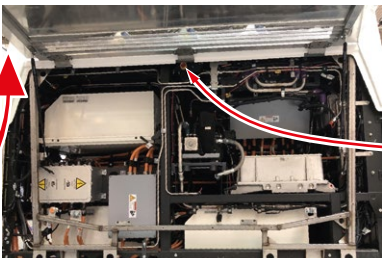

OR

1

2



Stop Bus

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4.

Access to the Occupants








Emergency push to open




Emergency push to open



PUSH BUTTON TO OPEN DOOR

1



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.

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

2

Centre / Exit doors:



Pull the door outwards using the handle at the bottom then Slide the doors open.

3



Front/entrance doors:

Push the outer edge inwards, then pivot the door into the bus.

2





3





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.








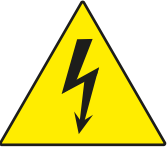

Ethylene Glycol
Hazards: H302, H373


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.



AUTO

7. In Case of Submersion



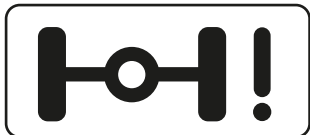
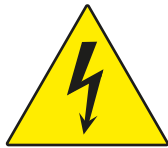
Isolate HV



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

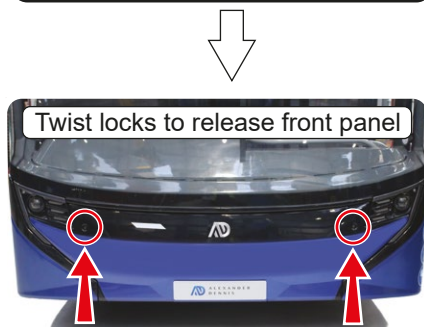
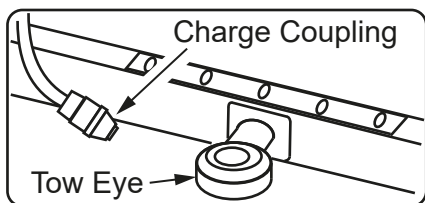
Elevate and support drive axle.

Connect tow bar to OFFSIDE towing eye only.

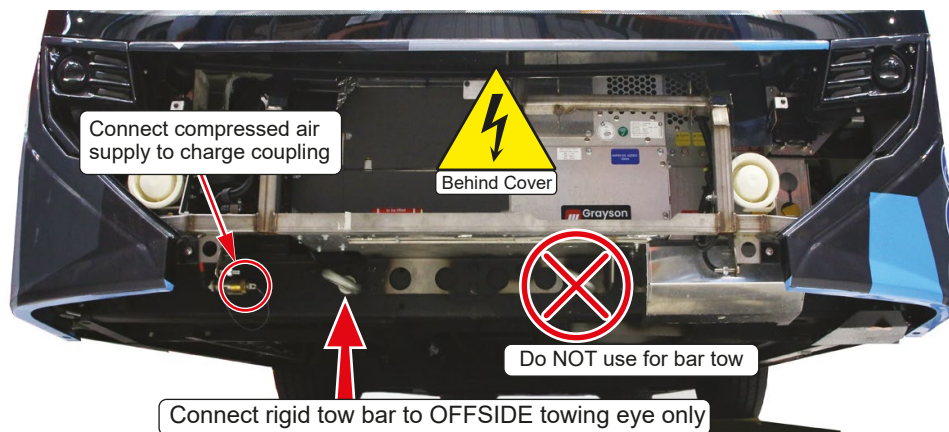
or

Use A-frame on both towing points at front.

Connect air to Charge Coupling if necessary

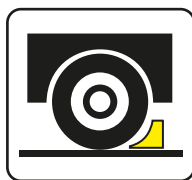


Open panel and lift out
and away from the clips



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.

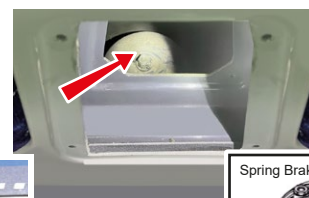
CHOCK WHEELS
BEFORE PROCEEDING



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

MANUAL PARK BRAKE RELEASE

ACCESS BETWEEN
REAR SEATS



9. Contact Information

Alexander Dennis

Contact details for more information

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