

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

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




2



APPLY PARK BRAKE




PULL




FRONT

3




TURN OFF IGNITION


WAIT 10 SECS



4





TURN OFF MASTER SWITCH




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.



Maximum 6mmØ Hasp




Emergency Vehicle Shutdown (ALL HV & 24V systems)




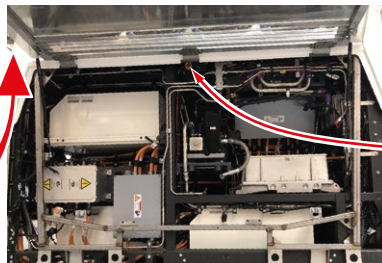

OR

1

2



Stop Bus



PUSH

Doc. Ref: 2982-4

Issue / Version Date: April 2025

Doc Standard: ISO 17840-2

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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.

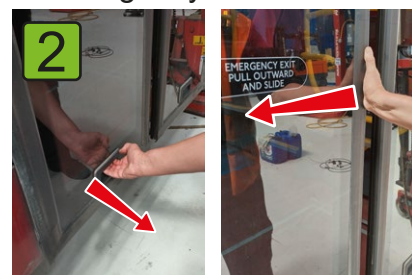
To open the doors from inside, push the emergency button located near the top edge of the doors.

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

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.



5. Stored Energy / Gases



750V Li-Ion



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



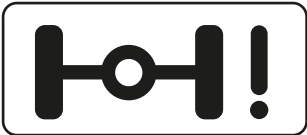
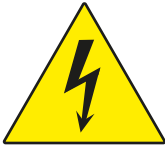
Isolate HV



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

Follow safety routines once out of water.

8. Towing / Recovery

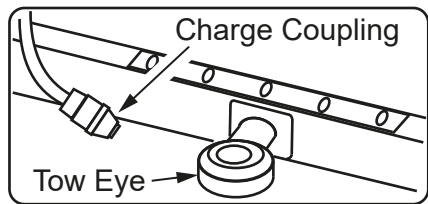


Ensure vehicle is in neutral then isolated.
Apply wheel chocks to prevent movement.
Wind off park brake actuators to release park brake.

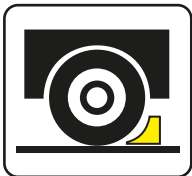
Remove half-shafts or drive shaft when towing.
or
Elevate and support drive axle.

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

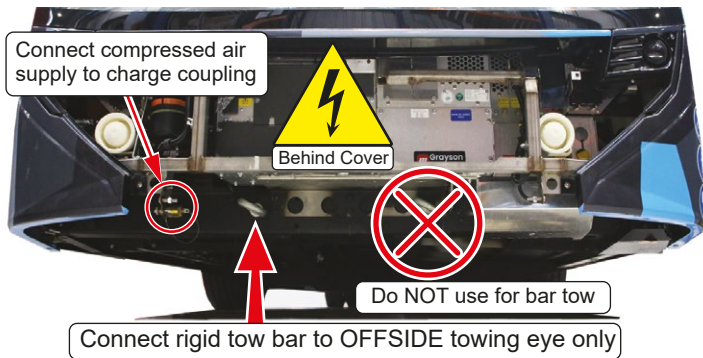
Connect air to Charge Coupling if necessary



CHOCK WHEELS
BEFORE PROCEEDING



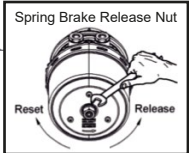
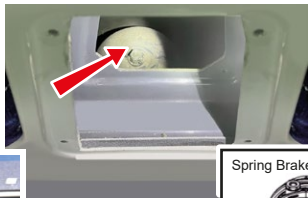
⚠WARNING:
In this condition the brakes are
completely inoperative.
Wheels **MUST** be chocked.



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 BETWEEN
REAR SEATS



9. Contact Information

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Contact details for more information

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