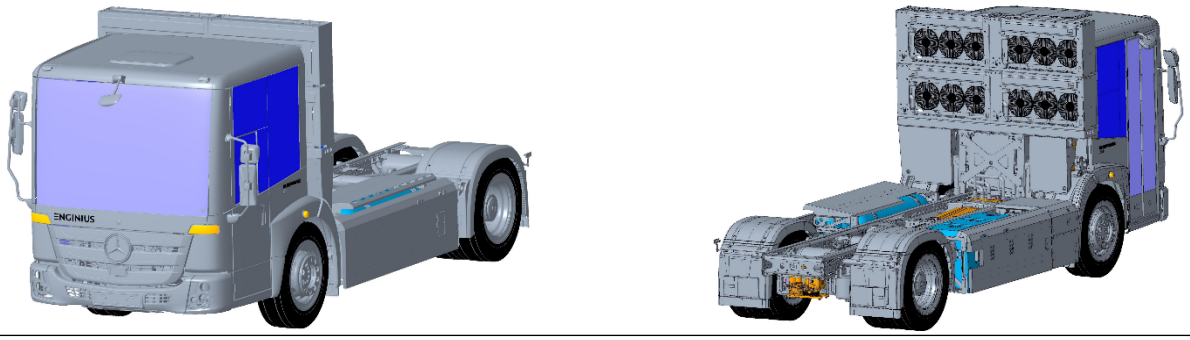
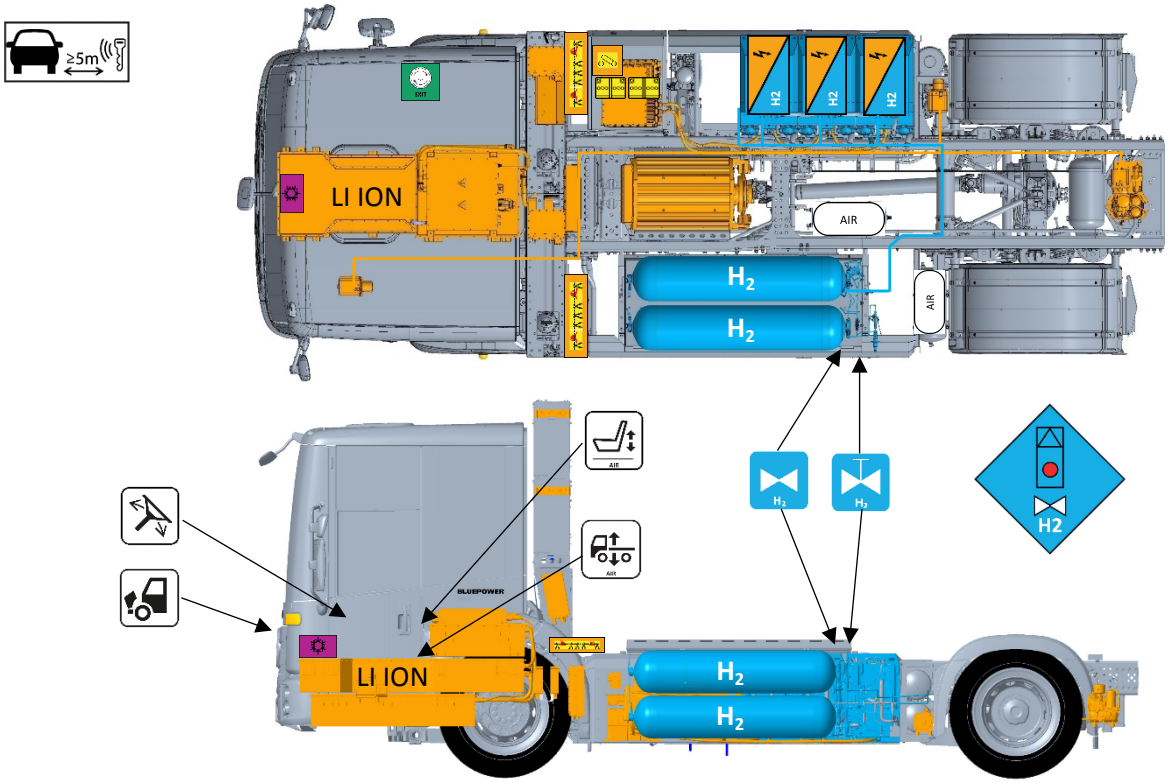
# ENGINIUS BLUEPOWER®

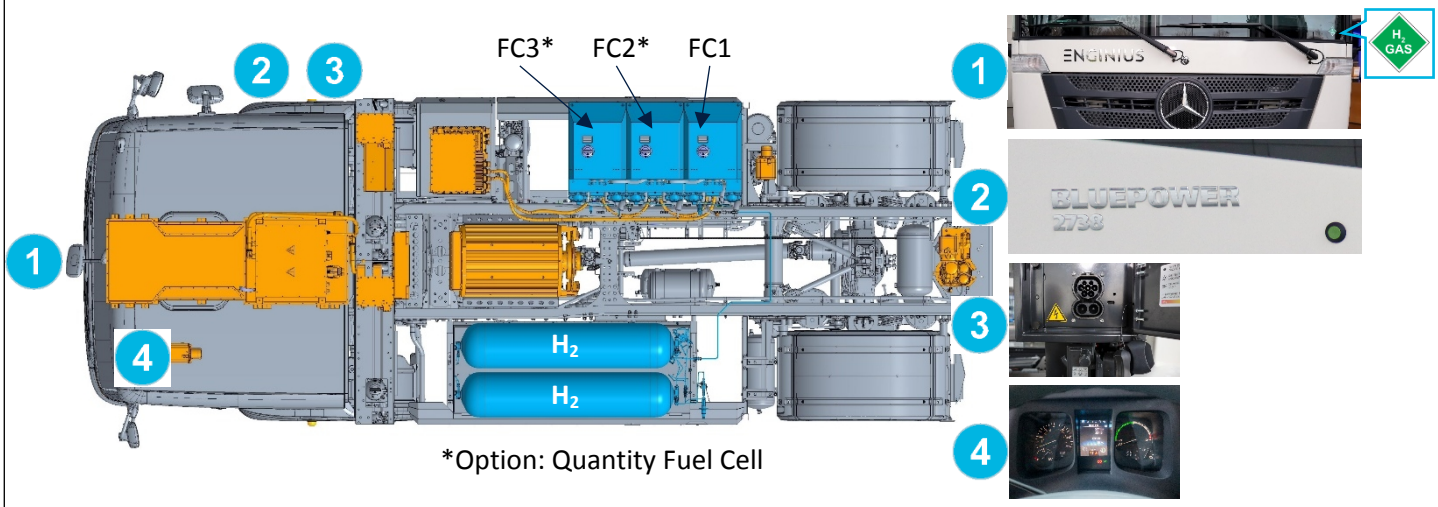
RESCUE SHEET BP19E-LHD FROM 03.2022






| | | | | | |
|---|---|---|---|---|---|
| | High Voltage component | LI ION | High Voltage Battery | | Emergency cable cut |
| H2 | Fuel Cell | | High Voltage power cable | ≥5m | Electronic key distance |
| $H_2$ | Hydrogen tank | | Service-Disconnect | | Steering wheel adjustment |
| | Direction of overpressure valve | | Battery 12 V | | Height control truck, by air system |
| | Manual gas shut-off valve | EXIT | Emergency door opener | | Seat height adjustment |
| | Autom. overpressure safety valve | | Air-conditioning component | | Unlocking front flap |
| | Vehicle on Hydrogen Fuel Cell Electric Vehicle | | | AIR | Compressed air tank |

## 1. Identification / recognition




*Option: Quantity Fuel Cell

## 2. Immobilisation / stabilisation / lifting

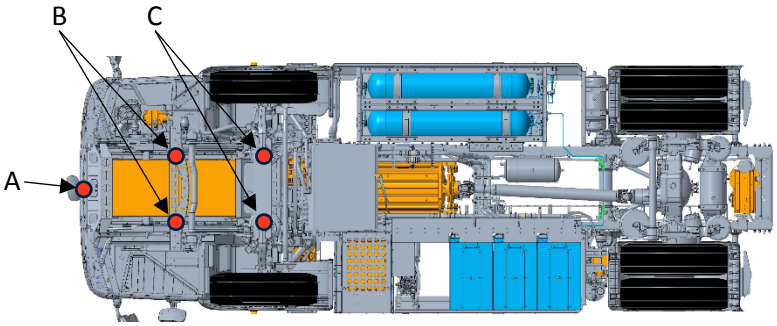
**Gearbox in neutral position:**

Turn the direction of travel preselection on the multifunction lever to position N.

**Electronic parking brake:**

Press the button (P) or pull the lever over the pressure point.

The electric parking brake is activated when the LED is illuminated.




**Lifting points** (Bottom view)

A Coupling jaw

B At the front end of the vehicle frame

C On the front axle

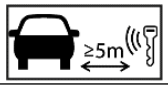
High Voltage components

Hydrogen components

## 3. Disable direct hazards / safety regulations

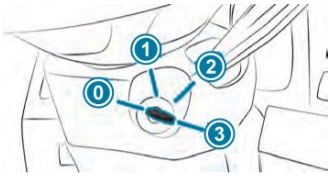
**Switch off ignition: electronic key**

Press the START-STOP button without applying the service brake.




Keep the electronic vehicle key at a distance of 5 metres.

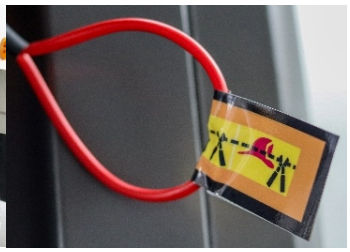
**Switch off ignition: standard key**



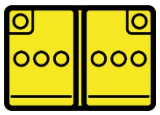

Turn the key to the 0 position and remove.

The absence of engine noise does not mean that the vehicle is switched off.
Use of personal protective equipment.

**Emergency High Voltage Disconnect:**
The high-voltage disconnection devices are located on both sides behind the mainframe on the fender, on the driver's and passenger's side and are labelled.

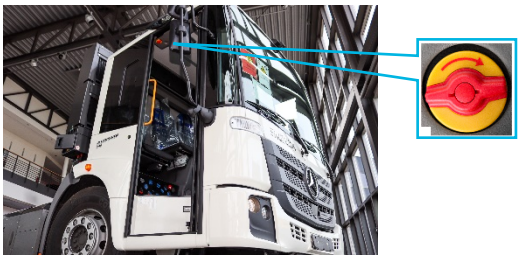


To ensure that there is no residual voltage in the high-voltage system, wait approx. 10 minutes after switching off.



**Disconnect Low Voltage batteries**
Remove the cover of the on-board power supply batteries on the right-hand side behind the cab. Mechanically loosen the negative cable of the on-board power supply batteries at the screw connection and secure against unintentional contact.

## 4. Access to the occupants



**Opening the folding door in an emergency.**
**Vehicles with locking cylinders:**

- Unlock the folding door.
- Turn control knob to emergency position.
- Open the folding door manually

**Steering wheel adjustment**

- Press the lower section of the button. The steering column is unlocked.
- Adjust the multifunction steering wheel height and angle
- Press the upper section of the button. The steering column is locked.

**Seat height adjustment**

(1) Length adjustment
(2) Height adjustment
(3) Fast lowering

**VSG** Laminated safety glass

**ESG** Toughened safety glass

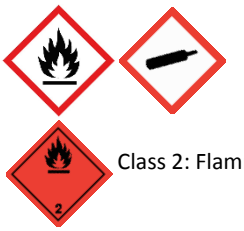
## 5. Stored energy / liquids / gases / solids

**Li-ION**

**All high-voltage cables are provided with orange-coloured insulation.**

---

**$H_2$**



Class 2: Flammable gasses

| $H_2$ | kg | |
|---|---|---|
| 4* | 16 | 412 L |
| 3* | 12 | 309 L |
| 2* | 8 | 206 L |
| 1 | 4 | 103 L |

*Option

---

Water/glycol mixture 50 / 50

| Main cooling circuit | + | BZ1 | + | BZ2* | + | BZ3* |
|---|---|---|---|---|---|---|
| 38,5 L | | 20 L | | 20 L | | 20 L |

*Option

## 6. In case of fire

Use water ($H_2O$) in high volumes to extinguish a vehicle fire.
Use water ($H_2O$) in high volumes to cool down the Li-ion battery.

**Warning: Re-ignition of the battery**

Check the battery temperature with an IR thermal imaging camera or a thermometer.

**Attention: hydrogen burns with an almost invisible flame.**

## 7. In case of submersion

There is no risk of voltage being applied to the bodywork.
After recovering the vehicle:

1. Drain the water from the interior.
2. initiate deactivation of the high-voltage system (see chapter 3)

## 8. Towing / transportation / storage

When recovering a vehicle from the danger zone, the vehicle with electric drive may only be moved at walking speed.

Park a badly damaged vehicle in a safe place and at a safe distance from other vehicles.

**Warning: Re-ignition of the battery**

## 9. Important additional information

More information you will find in the ***ENGINIUS BLUEPOWER® - Rescue Guide***.

## 10. Explanation of pictograms used

| | | | |
|---|---|---|---|
| | General warning sign | | Attention |
| | Warning, Electricity | | Gases under pressure |
| | Attention: hydrogen burns with almost invisible flame | | Flammable |
| | Capacity | | Hazard to the human health |
| | IR-infrared camera | | Corrosives |
| | Use water to extinguish the fire | | Acute toxicity |