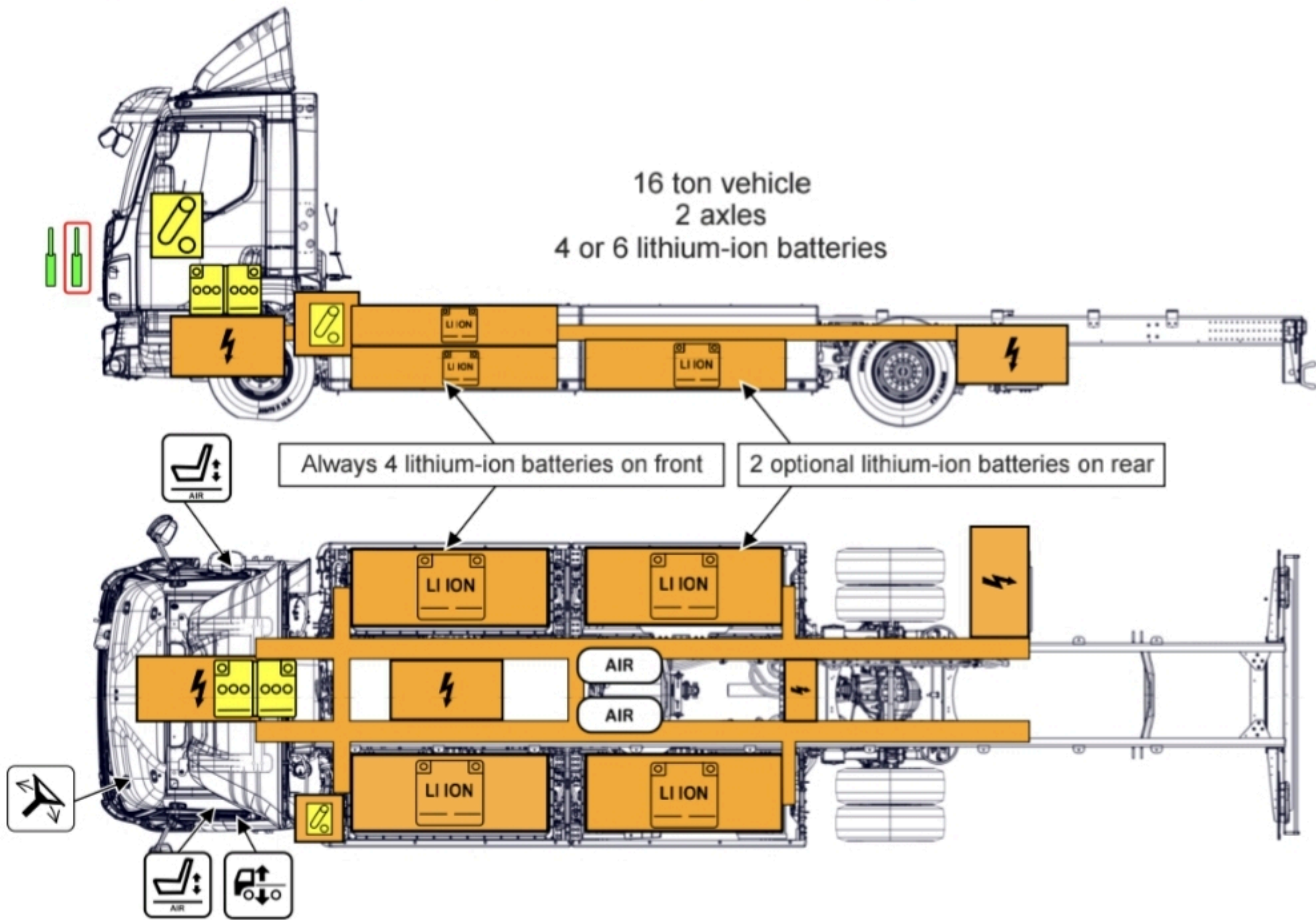




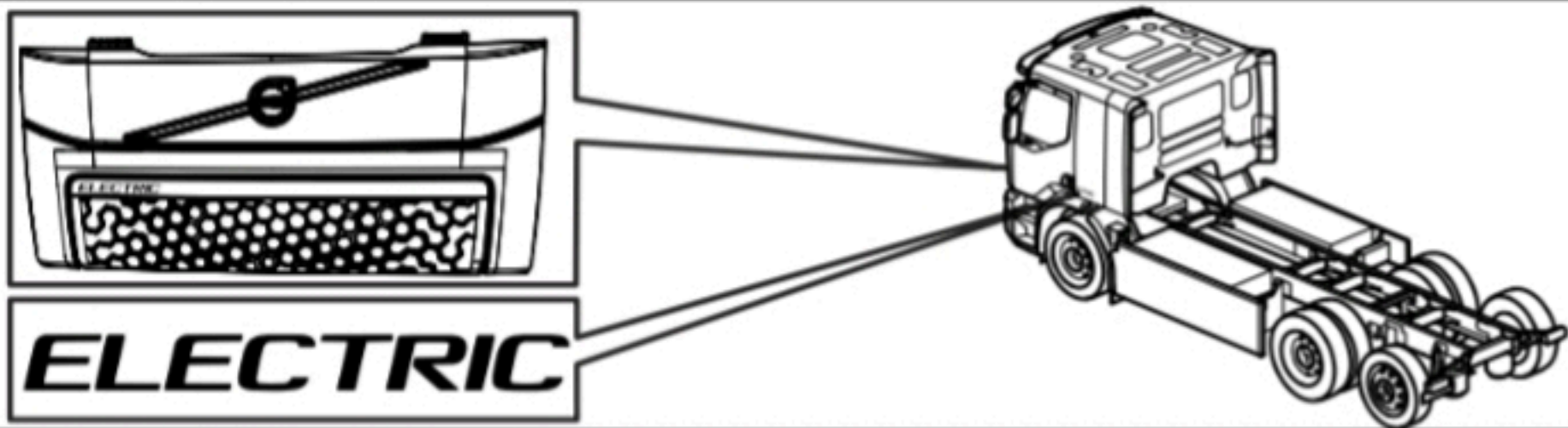
VOLVO TRUCKS
FE ELECTRIC/FL ELECTRIC
PRODUCTION START : 2020



High voltage lithium-ion battery	Low voltage device that disconnects the high voltage	Low voltage battery	Air tank	Seat adjustment	Height control
Steering wheel tilt control	High voltage component	High voltage cable	Gas strut, pre-loaded spring	Ignition key	

	Identification number	Version number	Page number
	800077265	06/2020	1

1. Identification/recognition





2. Immobilisation/stabilization/lifting

Always approach the vehicle from the sides to stay out of the potential travel path. It may be difficult to determine, if the vehicle is running due to lack of noise.



3. Disable direct hazards/safety regulations

- 
- 1

2

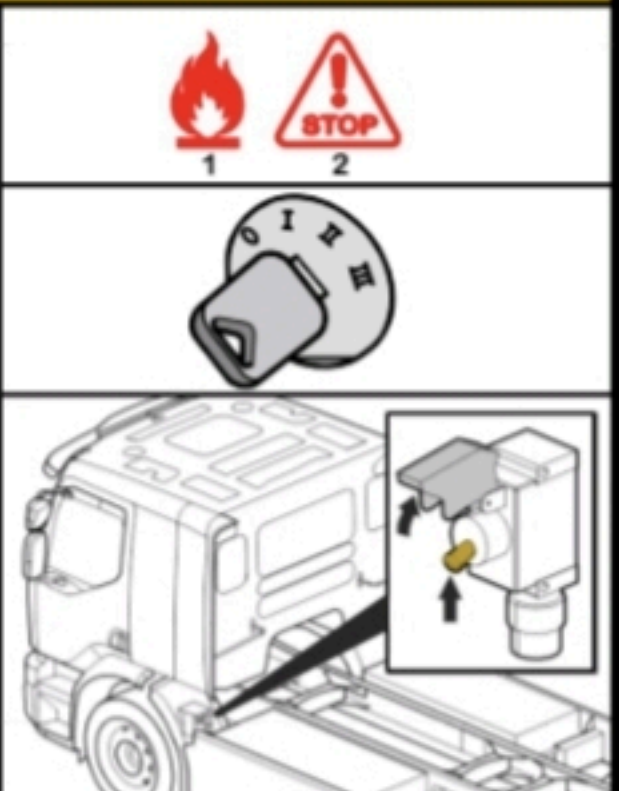
3

Check the instrument cluster for any of the symbols (1) and (2) appearing with a beep sound. If yes, a thermal runaway is detected in the lithium-ion batteries.

Turn off the ignition and remove the key.

Put the chassis switch to 'UP' position to initiate the high voltage disconnection process.

All the components are designed to discharge their own capacitance within five seconds.



➡ If the truck is charging

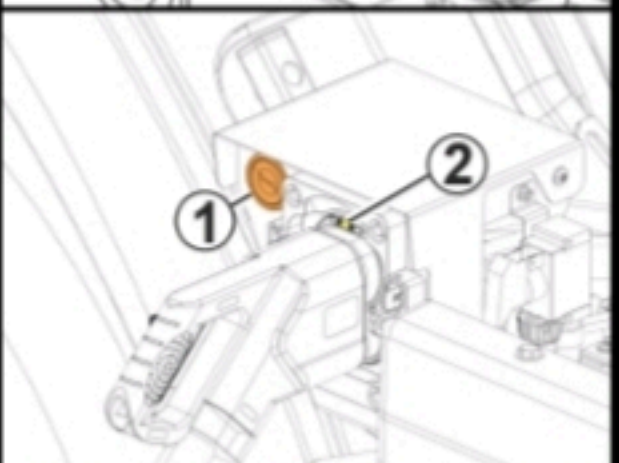
- 1

2


3
- Unlock the cab.

Press the stop button (1) and wait for the steady yellow light (2).

Pull the charging plug from the charging inlet, once the yellow light (2) turns off.



➡ If the charging plug cannot be pulled out : retract the pin manually

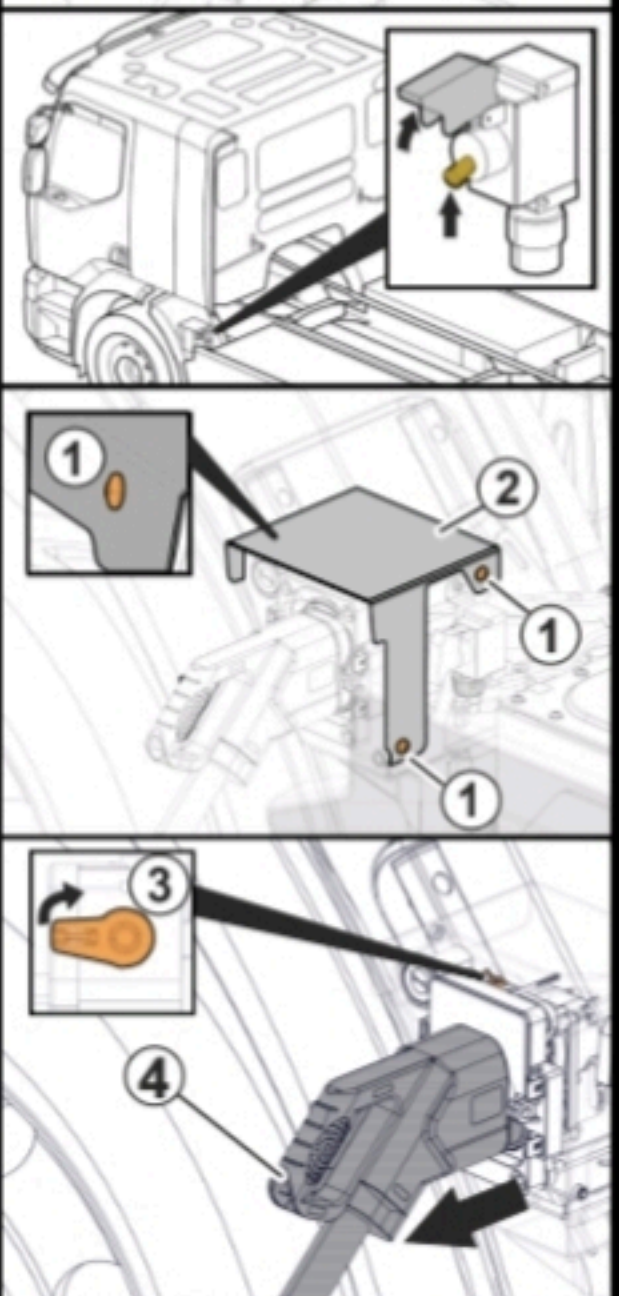
- 
- 1

2

3
- Put the chassis switch to 'UP' position to initiate the high voltage disconnection process.

Remove the screws (1) and the cover (2).

Rotate the lever (3) and remove the charging plug (4).



4. Stored energy/liquid/gases/solid

600 V high voltage lithium-ion battery



5. In case of fire



Use large sustained volume of water for lithium-ion battery related fire.



Class ABC fire extinguisher can be used if other materials are involved.



In case of thermal runaway, hydrogen fluoride can be released by the lithium-ion batteries.

6. In case of water submersion



The damage level of a submerged vehicle may not be visible.

Submersion in water can damage 24 V and 600 V components.

Handling a submerged vehicle without appropriate Personal Protective Equipment (PPE) will result in serious injury or death from electric shock.

Avoid any contact with 600 V cables and electric components.

If possible disable direct hazards (See chapter 3).

7. Towing/transportation/storage



If the traction batteries are damaged, there can be a risk of thermal or chemical reaction.

Before towing the vehicle, it is mandatory to uncouple the propeller shaft from the driven axle.



The electric vehicle met with an accident must be parked in a suitable place by maintaining a safe distance from other vehicles, buildings and combustible objects.

Risk of late fire can happen, after the fire suppression or in case the lithium-ion batteries are damaged.

Observe the vehicle for a minimum period of 48 hours using a thermal infrared camera.

8. Important additional information



Do not cut any orange cables.

Do not touch any high voltage cables and electric components.

Do not perform any operation on a damaged vehicle without appropriate Personal Protective Equipment (PPE).

	Identification number	Version number	Page number
	800077265	06/2020	3