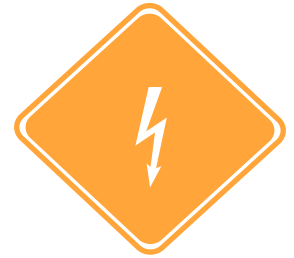


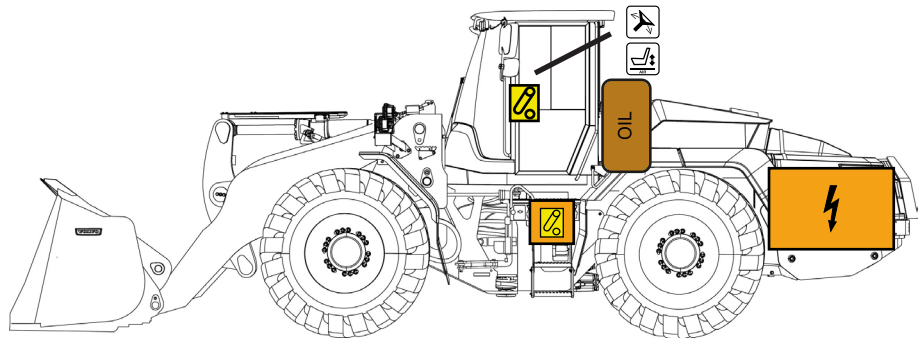
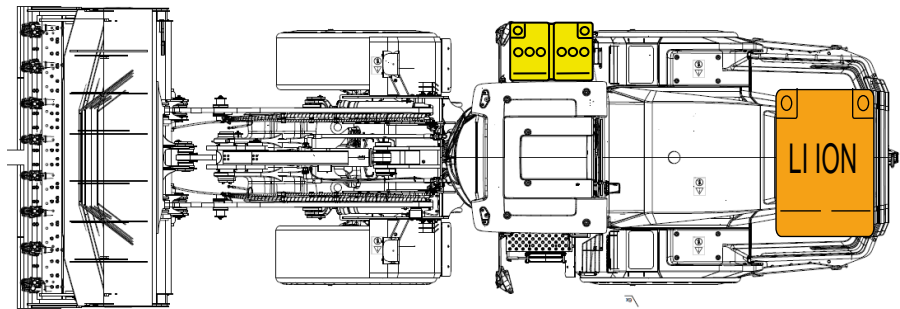




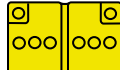





# VOLVO Wheel loader

## L120 ELECTRIC

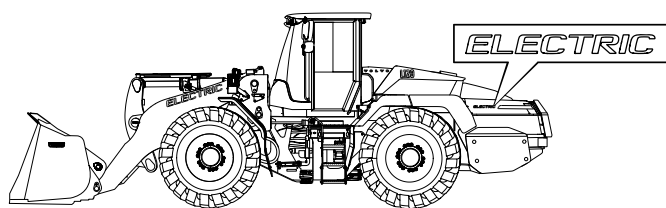


- ≥ 6 ton vehicle
- 8 lithium-ion traction batteries
- 1 door left side
- 1 window to open right side
- 1 seat



 <p>Traction voltage lithium-ion battery</p>	 <p>Traction voltage component</p>	 <p>Low voltage battery</p>	 <p>Disconnect high voltage device</p>	 <p>Oil tank</p>	 <p>Device to shut down power in a vehicle</p>
 <p>Steering wheel, tilt control</p>	 <p>Seat height adjustment by air system</p>				

# 1. Identification/recognition



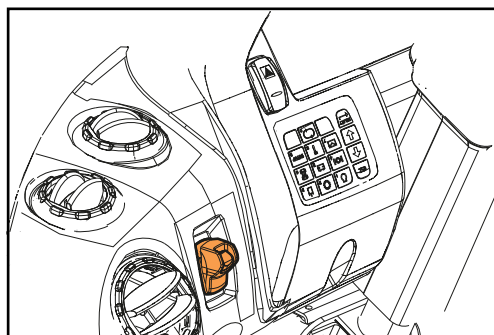
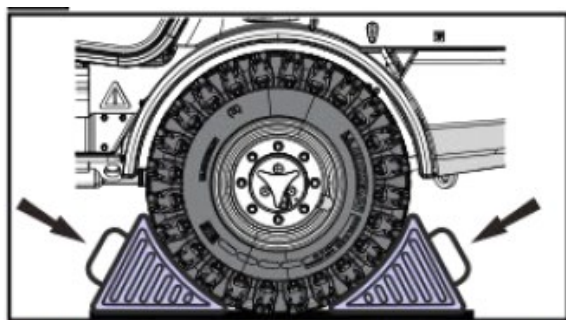
Volvo Construction Equipment	
Volvo Construction Equipment AB S-431 85 Eskilstuna, Sweden	
Type/Model	LOADER/JL120Hz
Product Name	L120ELECTRIC
Product Identification Number	VCEJL3NHJxxxxxxx
Machine mass kg	
Nominal power kW	
Manufacturing year	
Made in	Assembled in
<b>VOLVO</b>	

# 2. Immobilisation/stabilization/lifting

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

## 1 Chock the wheels

## 2 Apply the parking button



# 3. Disable direct hazardous/safety regulations



1 Turn off the start key and remove it.

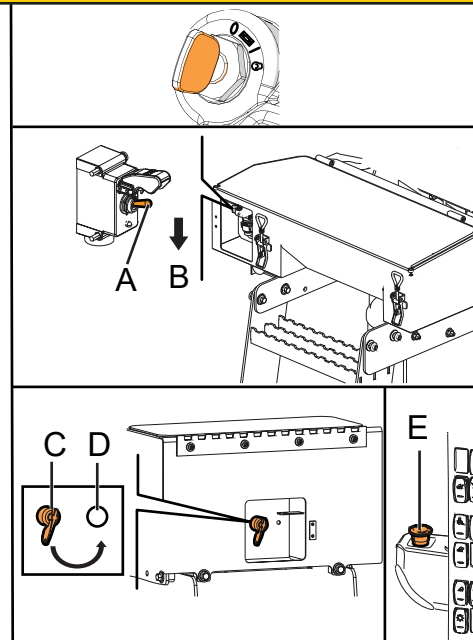


2 Open the front left side door of the tool box.

3 Put the main switch (A) down to the off position (B).

4 Turn the service switch (C) to the off position (D).

5 If the main switch (A) and service switch (C) cannot be reached, push the emergency switch (E) located at the upper right corner of the cab.



If the machine is charging and connected with charging connectors:

- 1 Interrupt the charging by pressing the stop button on the charger.
- 2 Disconnect charging connectors from the machine.
- 3 Close the charging flap at the rear of the machine.



## 4. Stored energy / liquid / gases / solid

600V lithium-ion battery



OIL

## 5. In case of fire



Use large sustained volume of water for lithium-ion battery related fire. Efforts should be made to control and collect run off water.



Do not use water for hydraulic fluid related fire.

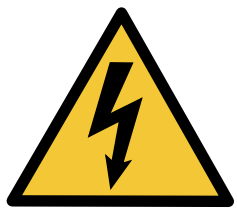


Class ABC fire extinguisher can be used if other materials are involved.



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

## 6. In case of submersion



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

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

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 traction voltage cables and electric components.

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