

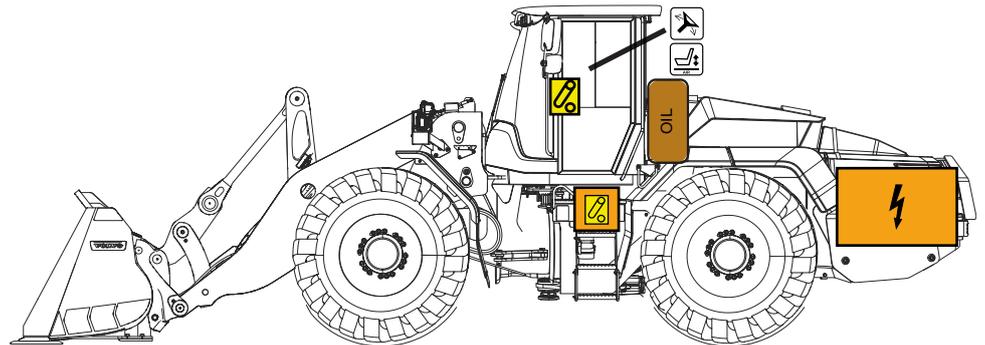
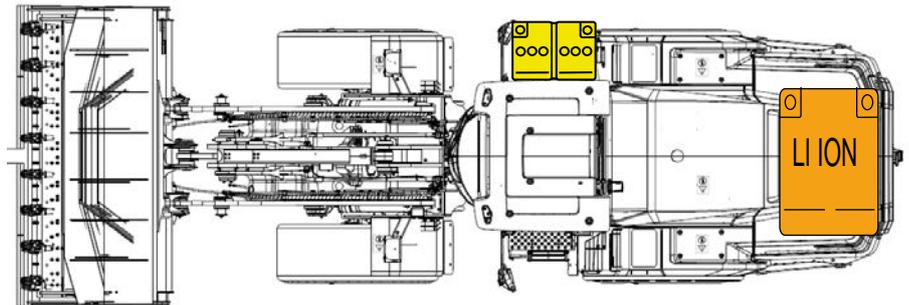


# VOLVO Electric Wheel loader

## L120 Electric



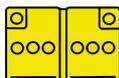
- ≥19 ton vehicle
- 8 High voltage battery packages in rear
- 1 door left side
- 1 window to open right side
- 1 door rear side for charging
- 1 Seat



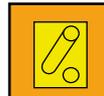
High voltage battery



High voltage component



Battery, low-voltage



Disconnect high voltage device



Tank content oil



Device to shut down power in a vehicle



Steering wheel, tilt control



Seat height adjustment by air system

Identification number

54012043

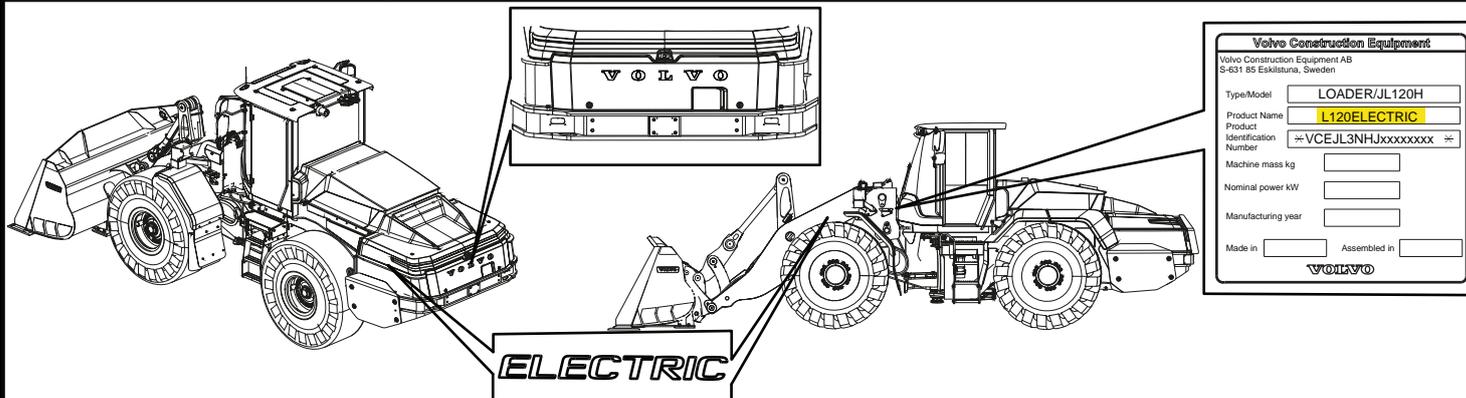
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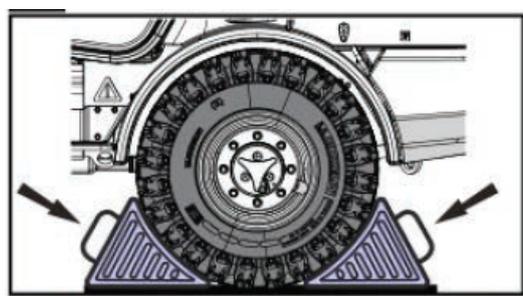
# 1. Identification/recognition



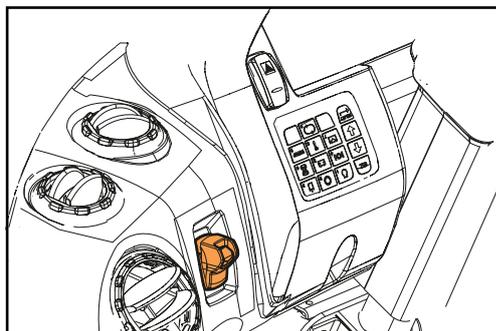
# 2. Immobilisation/stabilization/lifting

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.

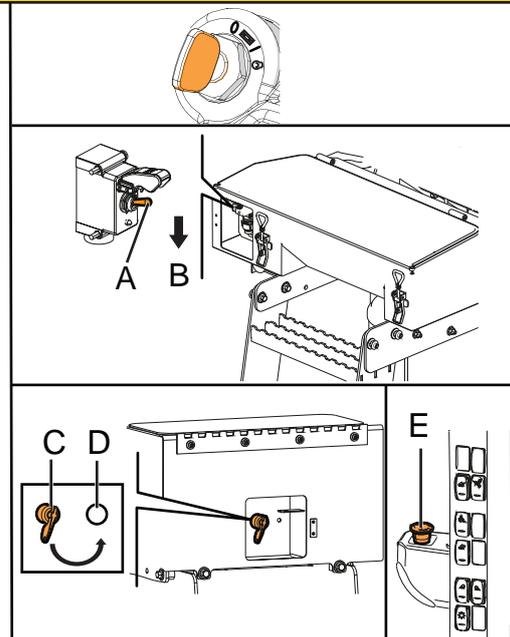


2 Open the front left side door of the tool box.

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

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

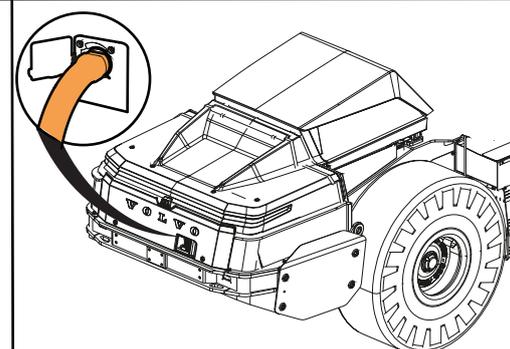
5 If the main switch (A) and service switch (C) cannot be reached, push the emergency switch (E) located at the upper right corner of the cab.



If the machine is charging and connected with a fast charging connector:

1 Interrupt the charging by pressing the stop button on the charger.

2 Disconnect the charging connector from the machine.



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

600V lithium-ion battery



OIL

## 5. In case of fire



Use a high-pressure water jet with a sustained water flow for lithium-ion battery fires. Efforts should be made to control and collect run off water.



Do not use water for hydraulic fluid related fire.

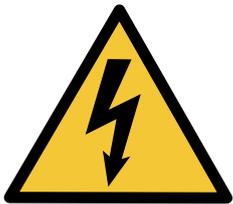


Class ABC fire extinguisher can be used if other materials are involved.



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.

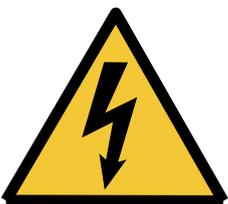
The electric vehicle met with an accident must be parked in a suitable place by maintaining a safe distance from other vehicles, buildings and combustible objects.



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 high voltage cables and electric components.

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

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