

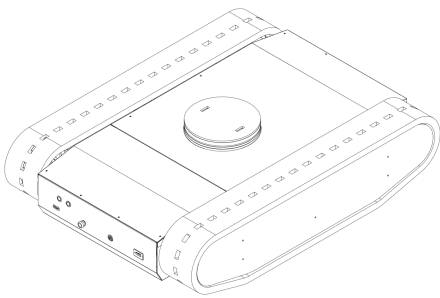
TITAN MOVER

As a member of Robot Trolley family, Titan Mover has the most powerful capacity to load and tow the heavy stuff.

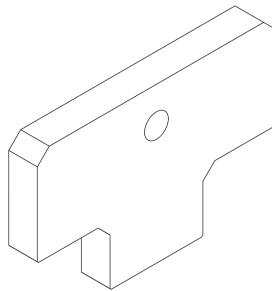
Titan Mover can tow up to 25 tones and is made for those tasks where a little more is needed. Build for rough outdoor terrain.

COMPONENTS

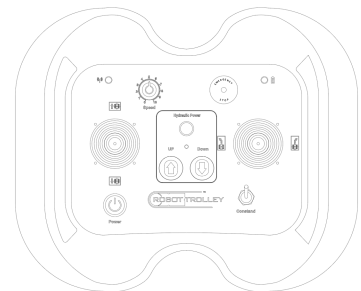
A 1x



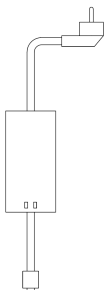
B 2x



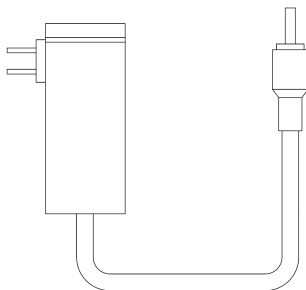
C 1x



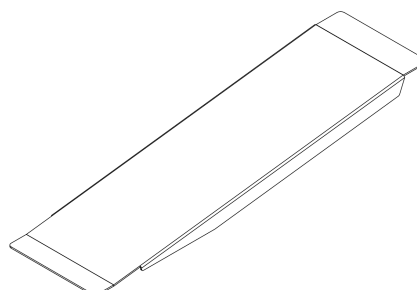
D 1x



E 1x



F 2x



A: Titan Mover

B: Baffle

C: Remote

D: Battery Charger

E: Remote charger

F: Ramp

S A F E T Y I N S T R U C T I O N S

1. Do not use the Titan mover on slopes and inclines beyond stated limits.
2. Avoid getting Titan mover wet. Do not submerge the Titan mover in water (salt or fresh).
3. Carefully read all instructions. The operator of the Titan mover must exercise common sense, caution, and full judgment when assessing situation not cover or cautioned in this manual.
4. The Titan mover is designed for specific applications only. Titan mover company will not be responsible for issues arising from modifications made onto the device. Do not modify the device or use the device for any application other than its intended purpose. Do not exceed the designated weight limits.
5. Stay alert! Do not operate if you are tired. Do not operate the device while under the influence of drugs or alcohol.
6. Operators and bystanders should never place any part of the body under or in the path of any portion of this product or the load being supported or moved.
7. Before each use of the Titan mover, check for functionality and charge. Carefully inspect the device for any part that appears to be damaged to determine if the device will operate properly. If the device is neither charged, secured or both: DO NOT use the device.
8. When serving, use only factory replacement parts.
9. Never exceed the maximum rated capacity. Please refer to SPECIFICATIONS part.
10. All operating personnel must wear protective equipment. This includes safety shoes, safety helmet, safety gloves, work wear and safety goggles.
11. The Titan mover is designed for use on solid surfaces. Do not use the product on excessively soft or muddy terrain as the device will not be able to gain traction. If there is no traction despite being on a solid surface, consider shifting more of weight of your trailer forward.
12. Do not charge the battery below 0°C (32°F). Charging at low temperatures may cause permanent battery damage, which can create a risk of internal short circuits.
13. If the Titan movers are bearing a load:
 - a. No one may work under the transport load.
 - b. The trolley must not be left unattended.
 - c. Their use by unauthorized must be prevented.
 - d. There must not be any objects under the transport load.
 - e. Communication must be ensured between all persons involved in the lifting and transport procedure, particularly if eye contact between these persons is interrupted.

SPECIFICATIONS

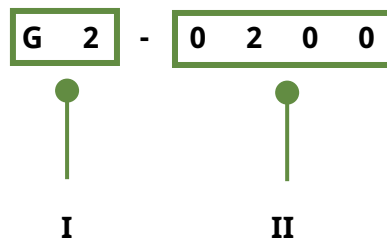
Item	Parameter
Weight	Approx. 325kgs
Speed	Max. 8m/min
Vertical Loading	Max. 12.5Ts
Hydraulic Lifting Capacity	Max. 12.5Ts
Hydraulic Control Switch	On Machine and on Remote Control
Towing Capacity	Max. 25,000Kgs
Battery Capacity	17.5Ah/44.4V Portable Battery
Motor	2*3Kw(48V) Brushless Motors
Charger	Max. 50.4V/7A
IP Level	IP54
Brakes	Yes
Length	1389mm
Width	1035mm
Overall Height excl. Lock Pin	342mm
Overall Height incl. Lock Pin	382mm
Overall Height during lifting	386mm
Overall Height during lifting	426mm

How to distinguish which generation

Every Titan Mover has its own SNs, which are related to the generations.

The SNs tags is on the top of every Titan Mover. Every Titan Mover has a unique one.

Rule for the SNs:

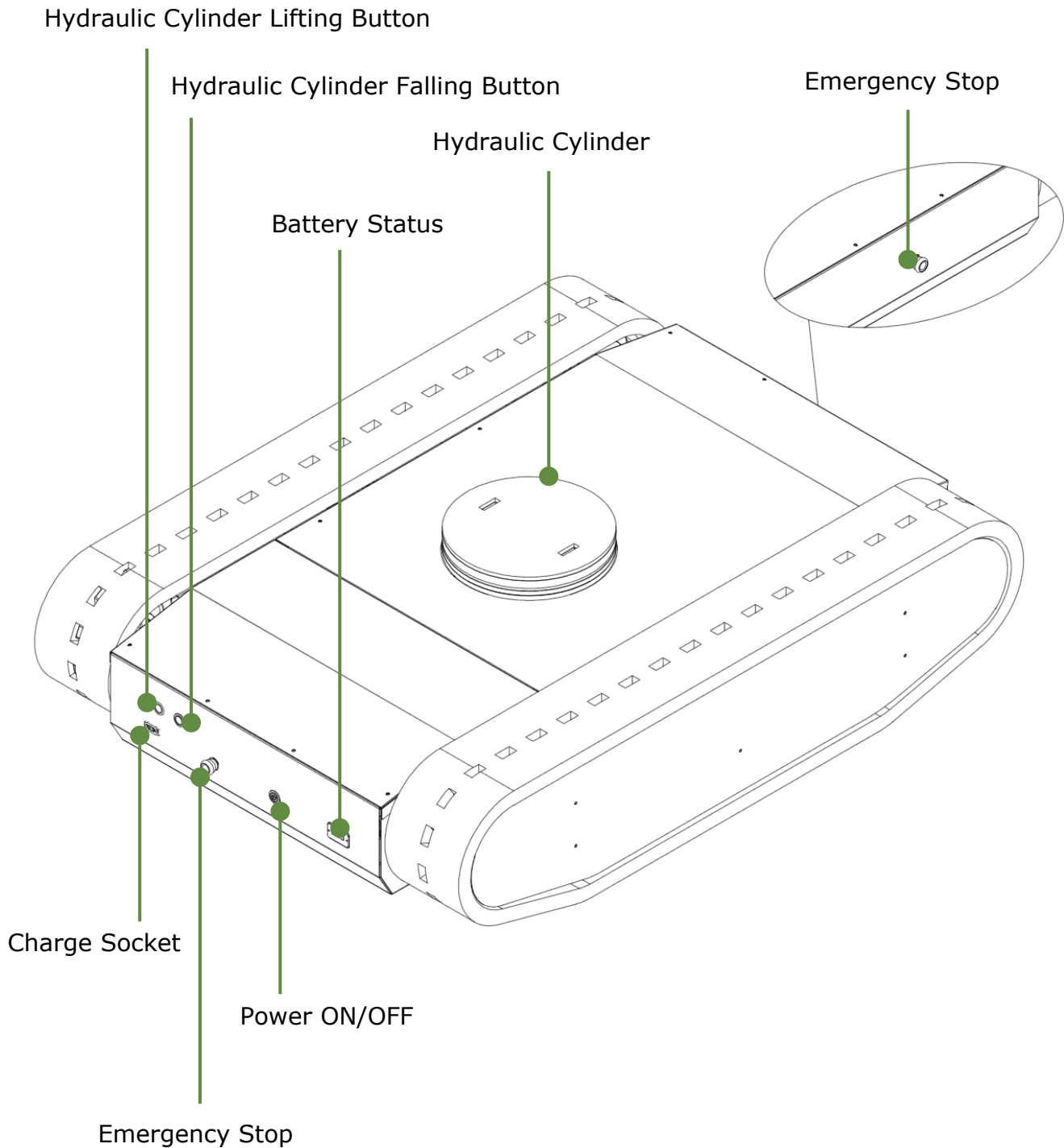


I: Number of product generation

II: Running number

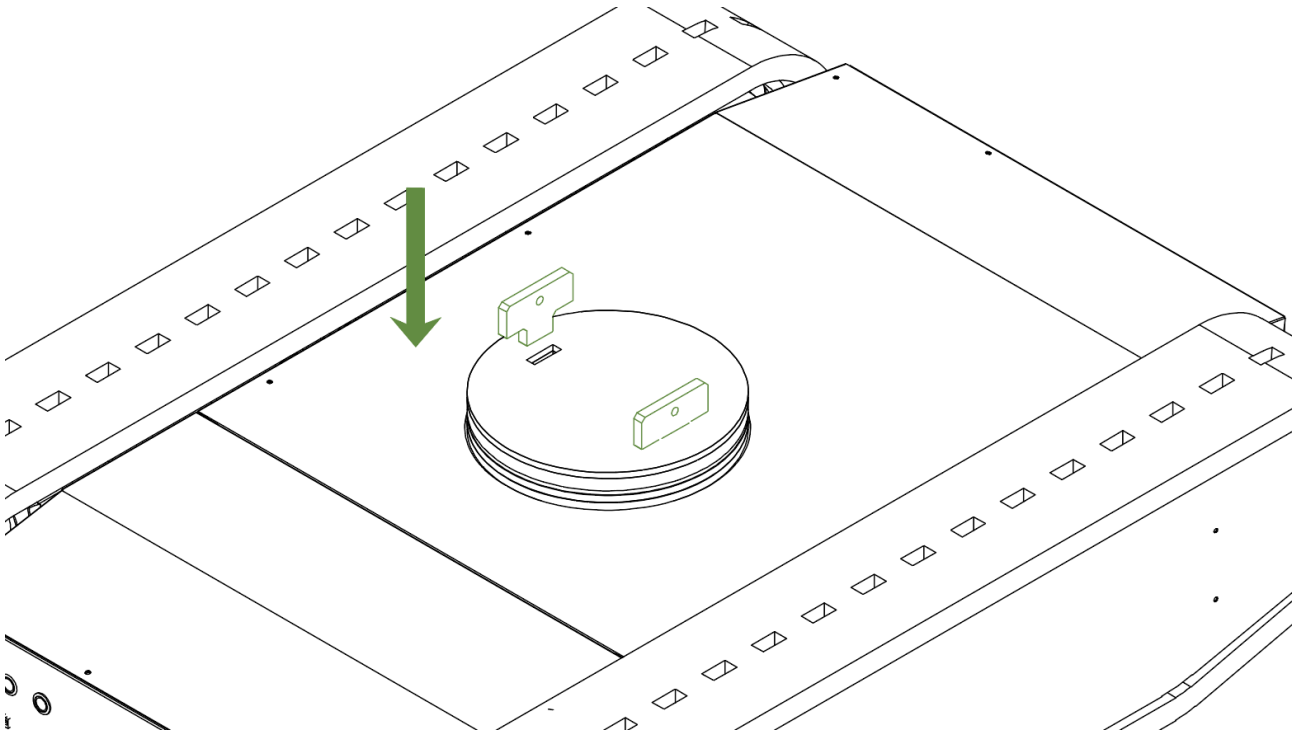
TITAN MACHINE

Machine operation indication:



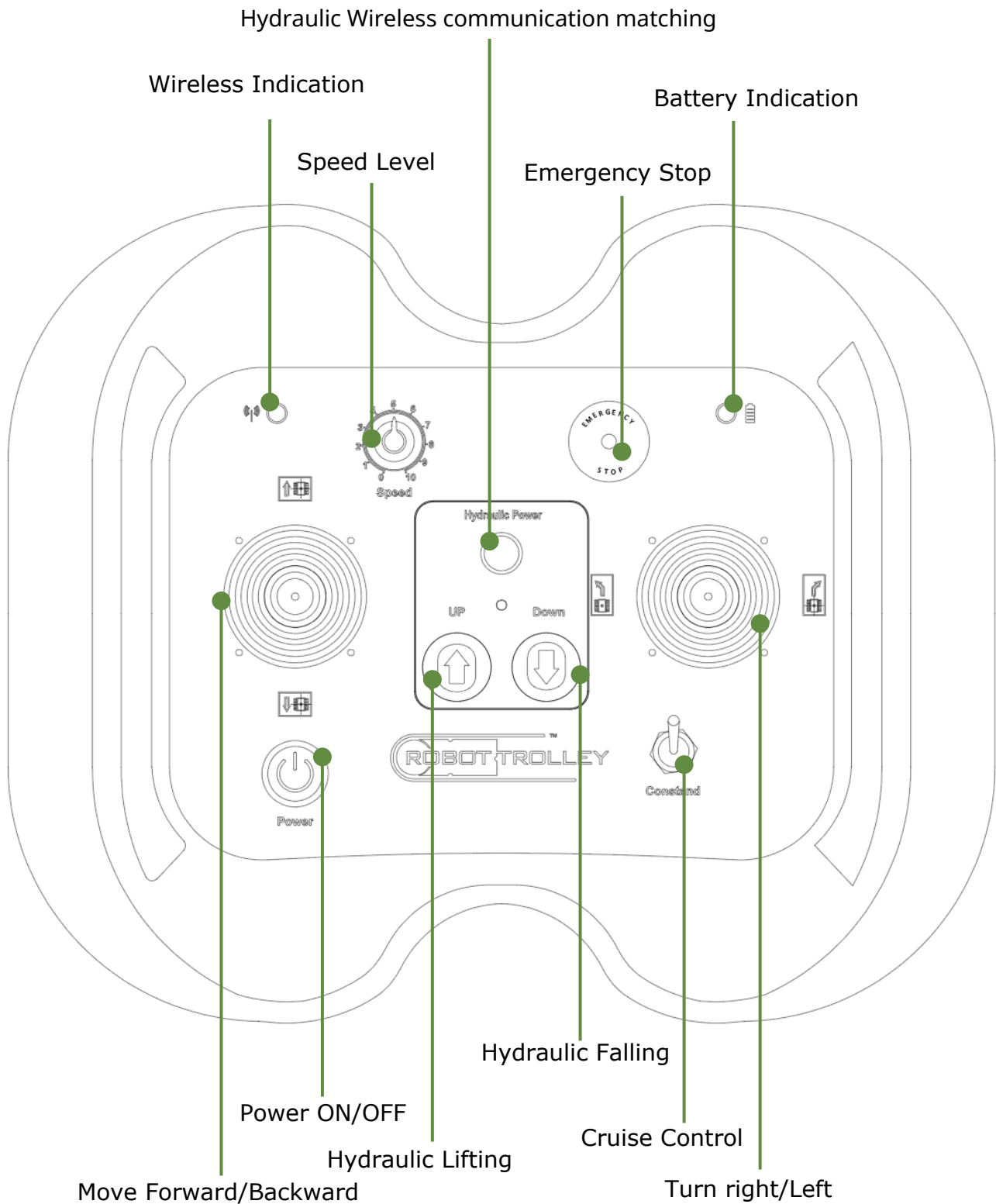
Baffle installation indication:

2x Baffle as accessories is used for blocking loading on the platform.



REMOTE

Remote buttons



Robot Trolley - www.robot-trolley.com

Lammefjordsvej 5 - 6715 Esbjerg N - Denmark

Phone +45 7022 5840 - sales@robot-trolley.com

VAT No DK - 40193189

Version 02-08-2024



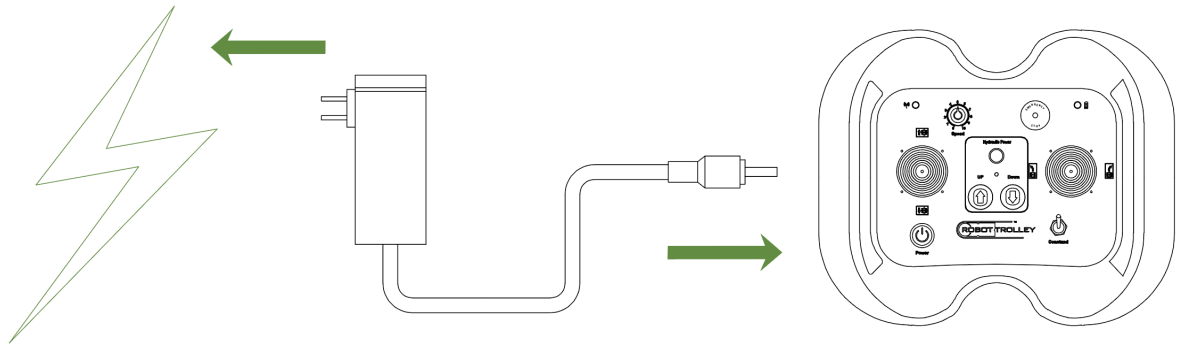
The Robot Trolley logo on the remote control must always point toward the trolley.

Use both hands on the remote control and hold it horizontally during use.

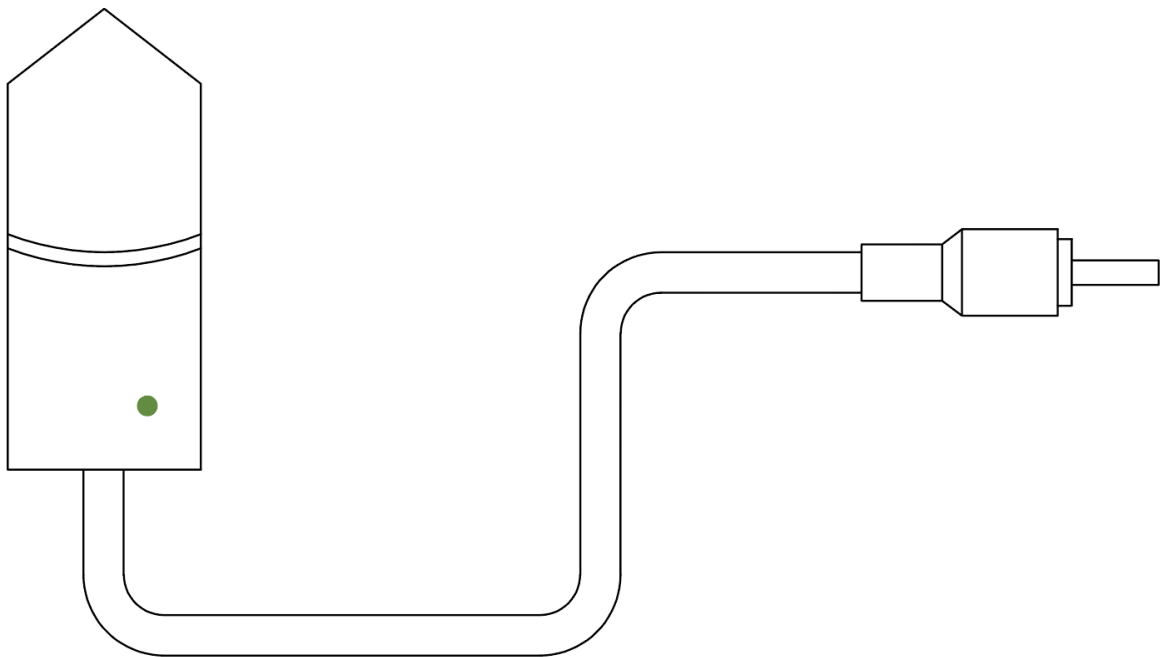
- **Power ON/OFF:** Press the power button, remote ON: Press it again, remote OFF.
- **Forward:** To move forward, rock the handle forward.
- **Backward:** To move backward, rock the handle backward.
- **Turn right:** To turn right, rock the handle right.
- **Turn left:** To turn left, rock the handle left.
- **Speed adjustment:** Rotate and choose the speed level on turntable.
- **Hydraulic Wireless communication matching:** Press it, Hydraulic function prepared.
- **Hydraulic Cylinder lifting:** Press "UP" button, hydraulic cylinder lifting.
- **Hydraulic Cylinder falling:** Press "DOWN", hydraulic cylinder falling.
- **Cruise Control:** Rock the driving lever and Titan Mover keeps running as the current speed.
- **Emergency stop:** press the button, the mover will stop. Rotate and loose the button, it indicates cancel the emergency stop status.

How to charge the remote

1. Connect the remote charger (Part(s) used: **E**) to the left side of the remote (Part(s) Used: **C**), and the other side of the charger plug to the power (220V, 50Hz)

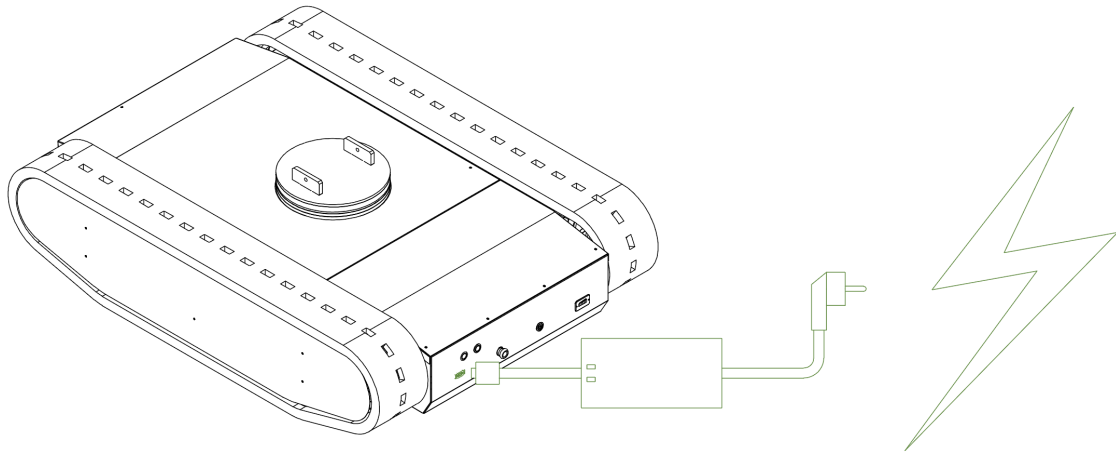


2. The charger's red light on indicates on charging. Once changes to be green light on, it indicates charging fully.

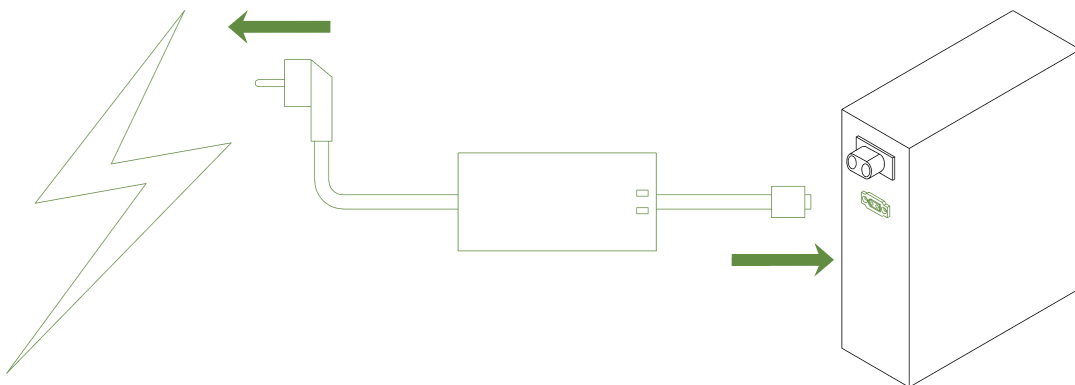


HOW TO CHARGE TITAN BATTERY

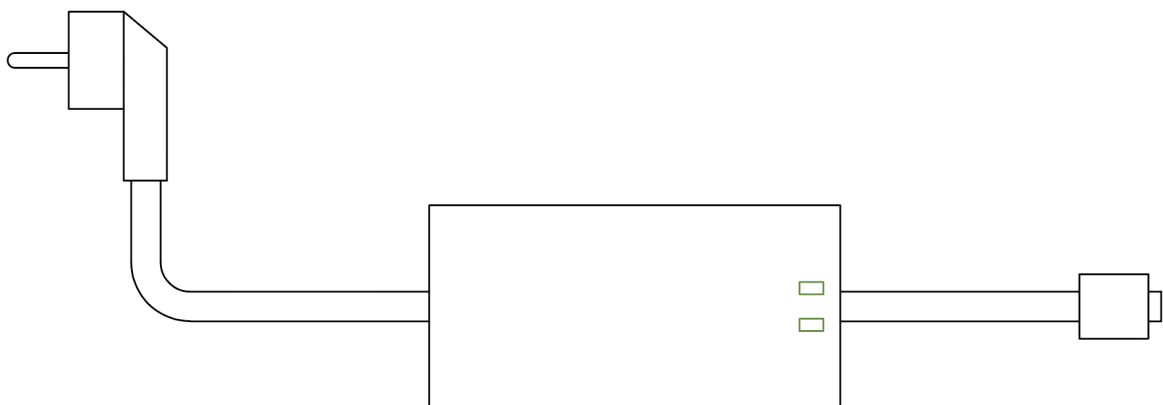
1. Open charger rubber cover on Titan. Connect to Titan charge socket by inserting the Titan battery charger(D) plug. The other side needs power (220V, 50Hz).



Or charge the independent battery directly with same charger.



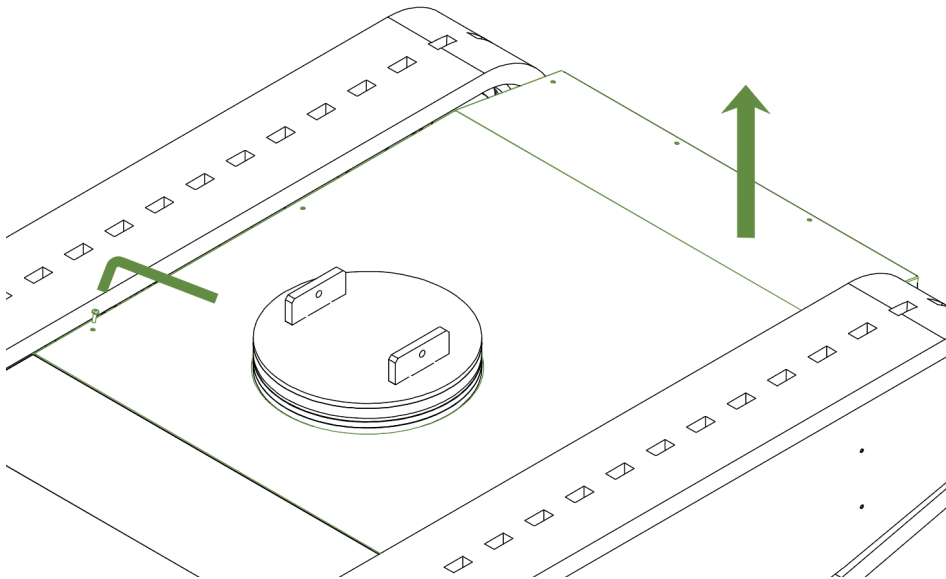
2. On charge: 2 red lights on
Fully charged: 1 red light on and 1 green light on, then 2 lights off



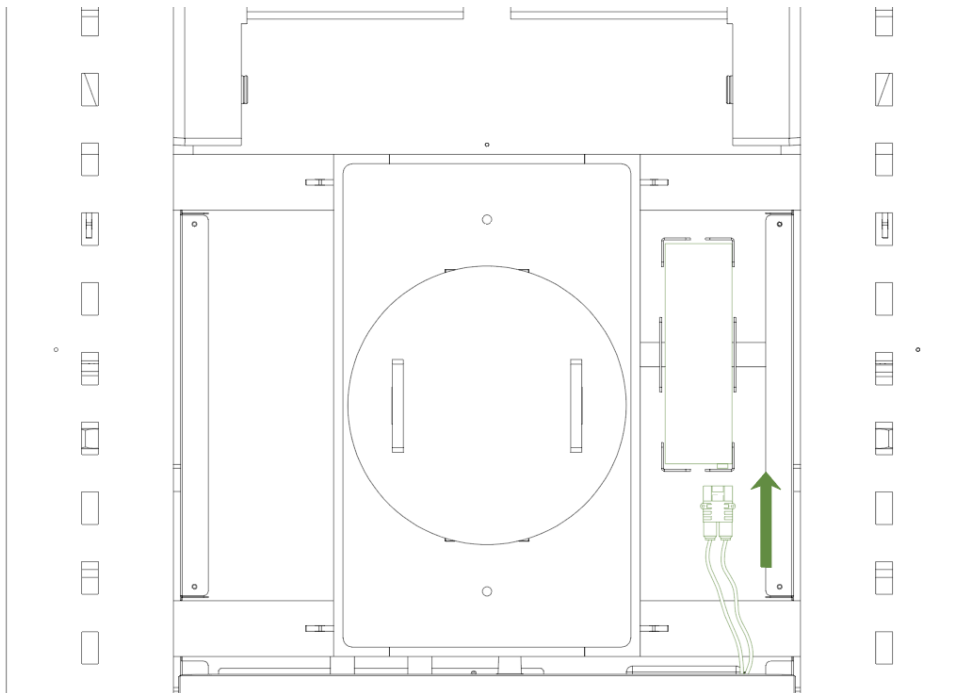
HOW TO INSTALL/REPLACE THE BATTERY

How to install the battery

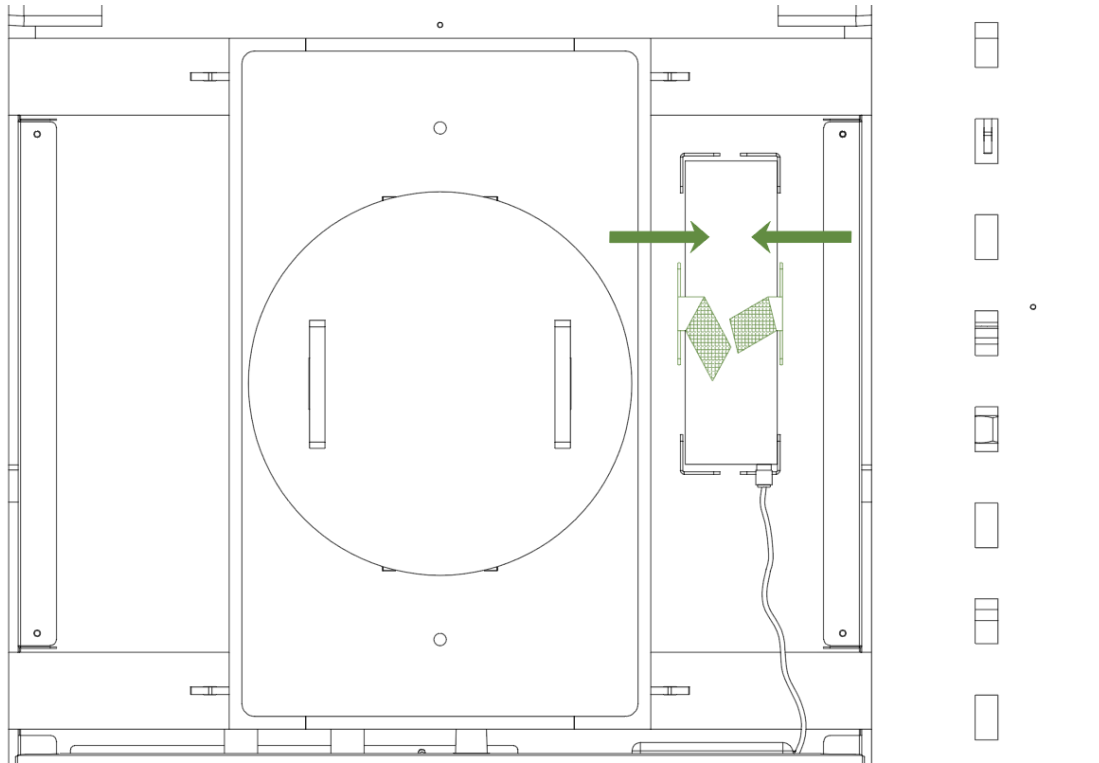
1. New Titan machine does not include the battery inside. Need to install it.
Unmount 8pcs M5 Hex socket screws with 4mm Allen key. And remove the top cover.



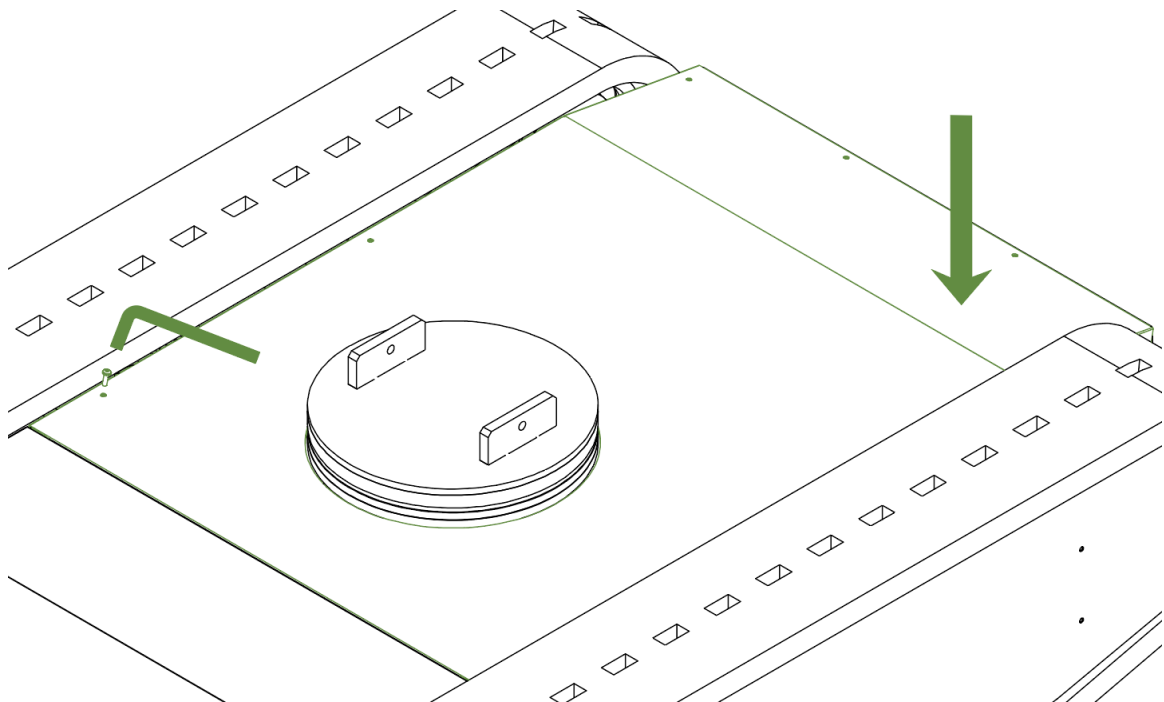
2. Connect the battery plug to the battery socket.
Note: The battery is in an independent package.



3. Go across 2 holders on both sides with a Velcro strap.
Put the connected battery in and make it tight with the Velcro strap.

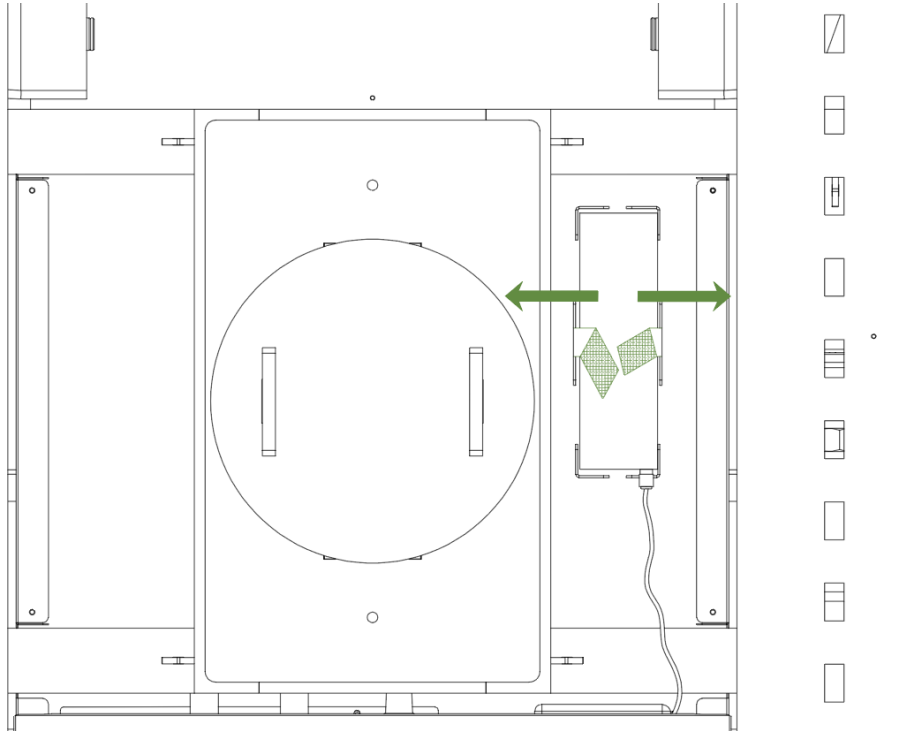


4. Place the top cover and mount with 8pcs M5 Hex socket screws.

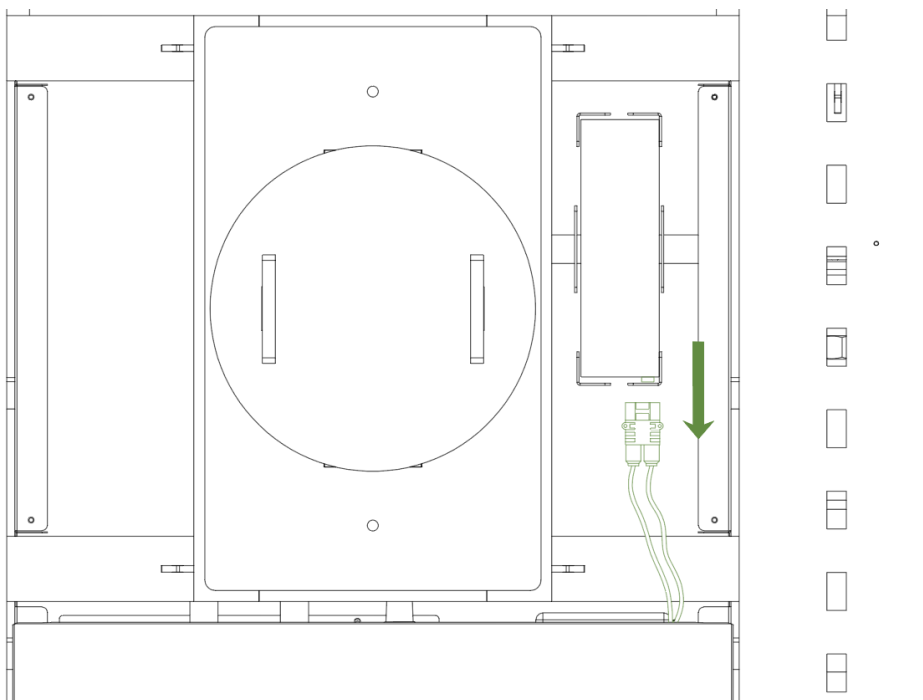


How to replace the battery

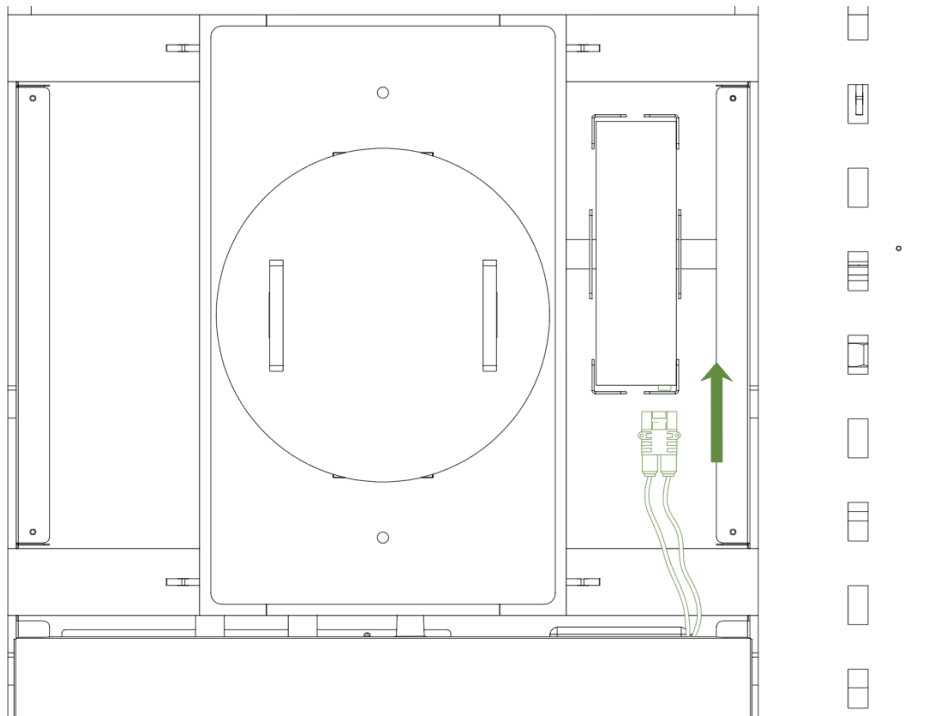
1. Also remove the top cover first. Disconnect the Velcro strap.



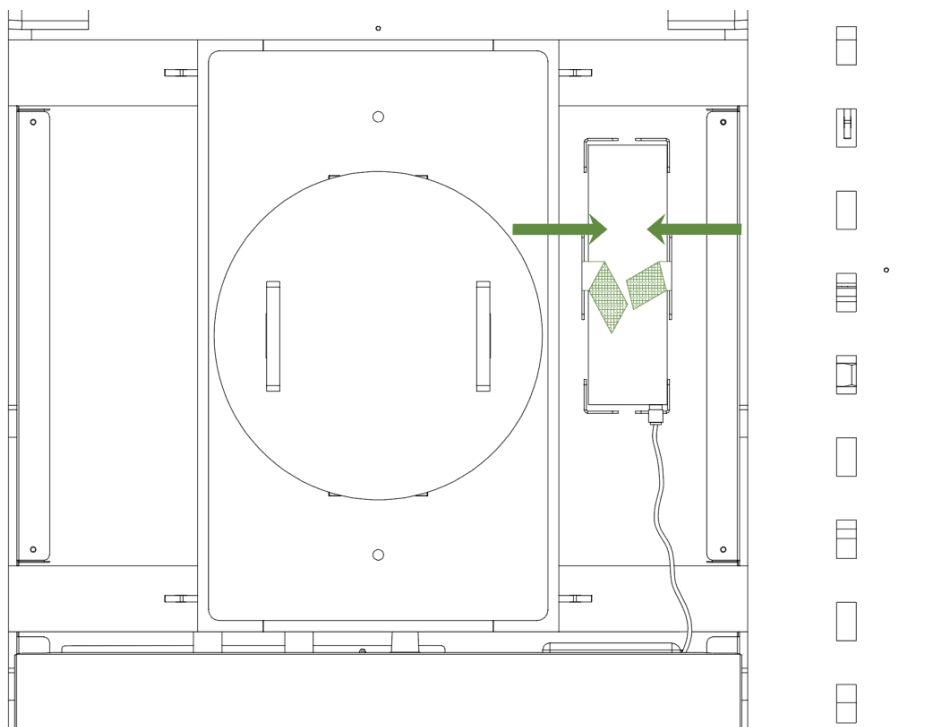
2. Disconnect the battery connectors and take the battery out.



3. Connect the spare battery plug into the battery socket.



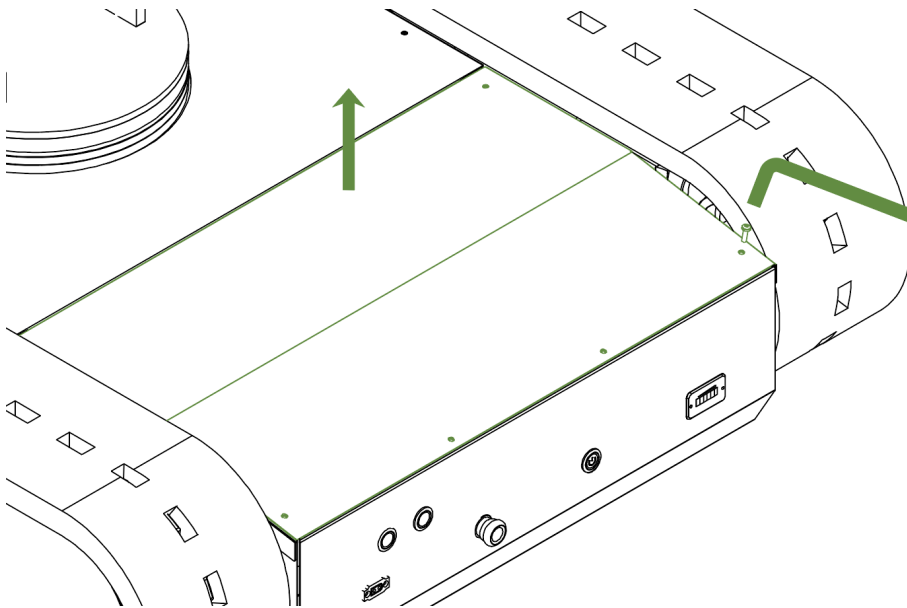
4. Go across the 2 holders on both sides with the Velcro strap. Put the connected battery in and make it tight with the Velcro strap. Remount the top cover.



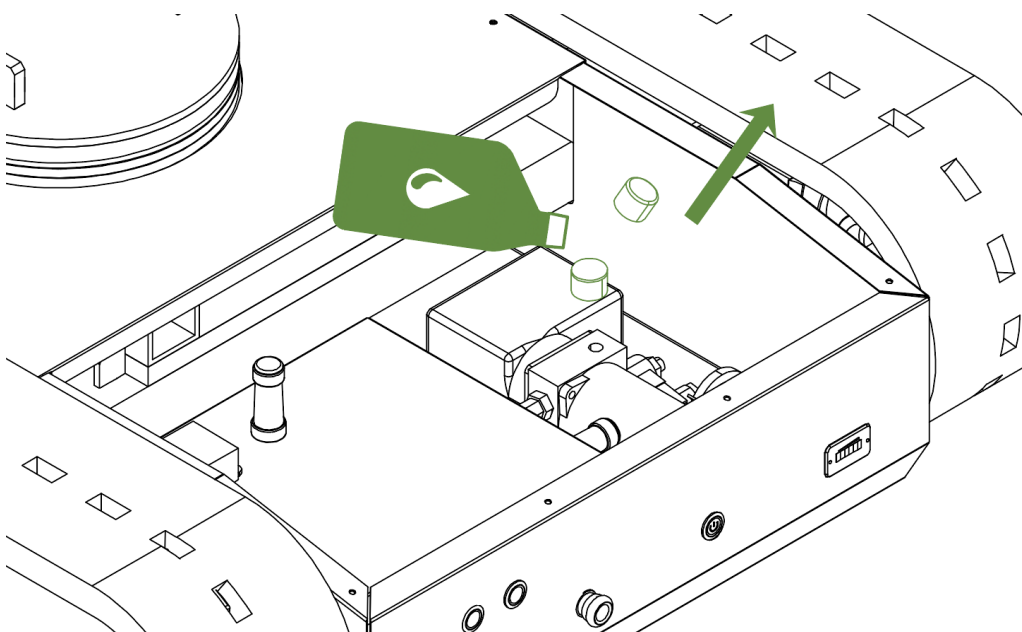
HOW TO ADD HYDRAULIC FLUID

When you get new machine, there is no hydraulic fluid. This part indicates how to add hydraulic fluid.

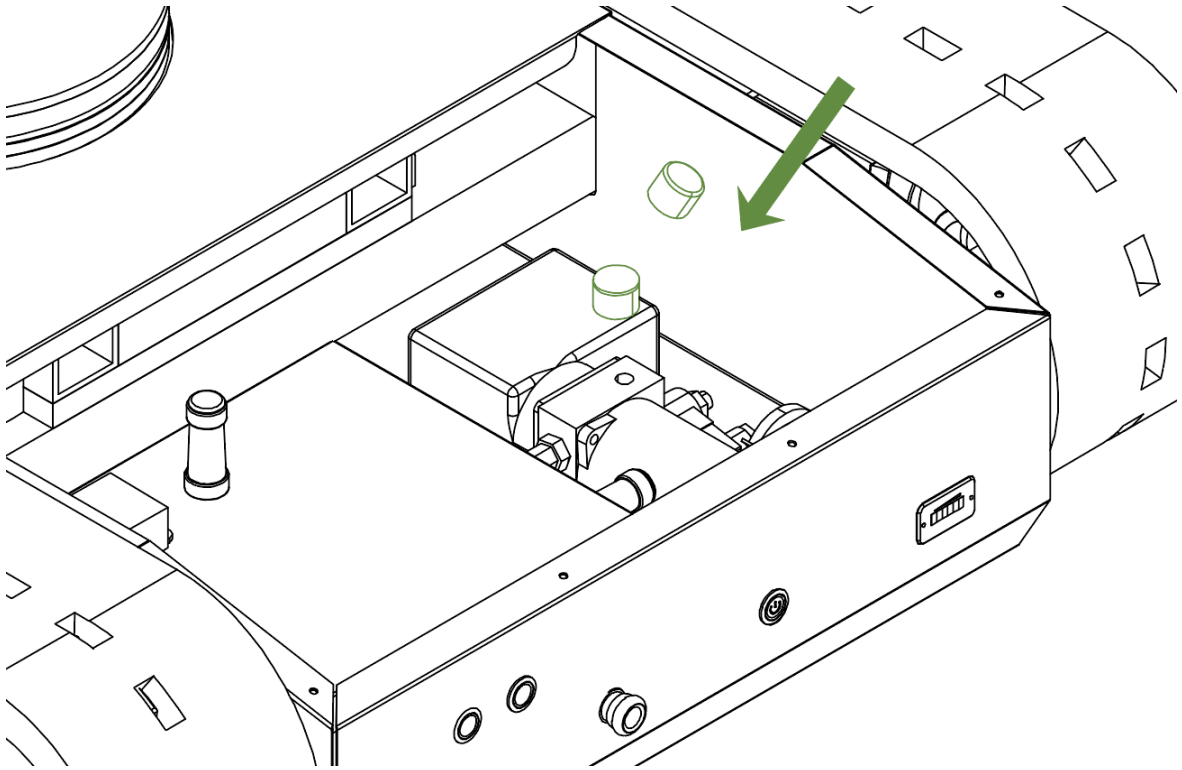
1. Unmount 6 pcs M5 Hex socket screws with 4mm Allen key. Remove the front cover and put them aside.



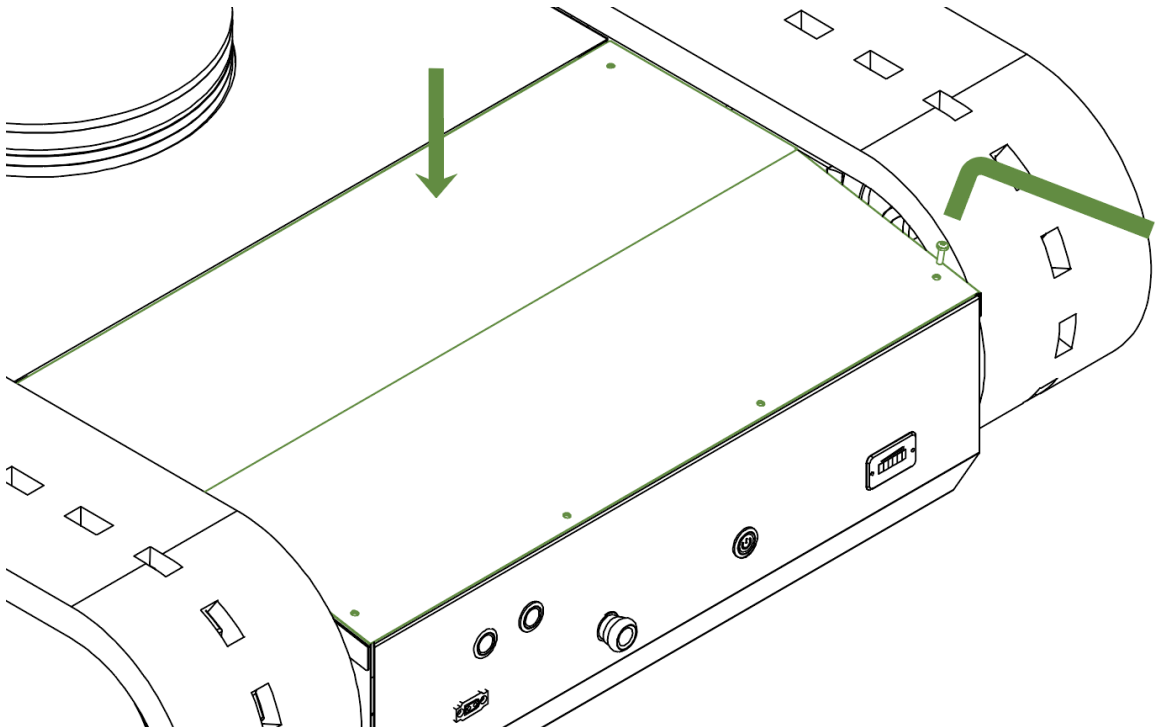
2. Remove the lid of the hydraulic fluid tank. Add **L-HM 46(ISO standard)** hydraulic fluid until it is filled to be full(around 0.7L).



3. Screw on the lid of the hydraulic fluid tank.



4. Remount the front cover with 6 pcs M5 Hex socket screws.



LOADING ON THE MOVER

1. **⚠ DANGER**

Before the start of the lifting procedure, the center of gravity must first be determined. The mover always must be positioned closer to the center of gravity than the steering gear, since a stable three-point bearing can only be achieved in this way. Otherwise, tipping or slipping can lead to injuries or even to fatal accidents.

2. **⚠ DANGER**

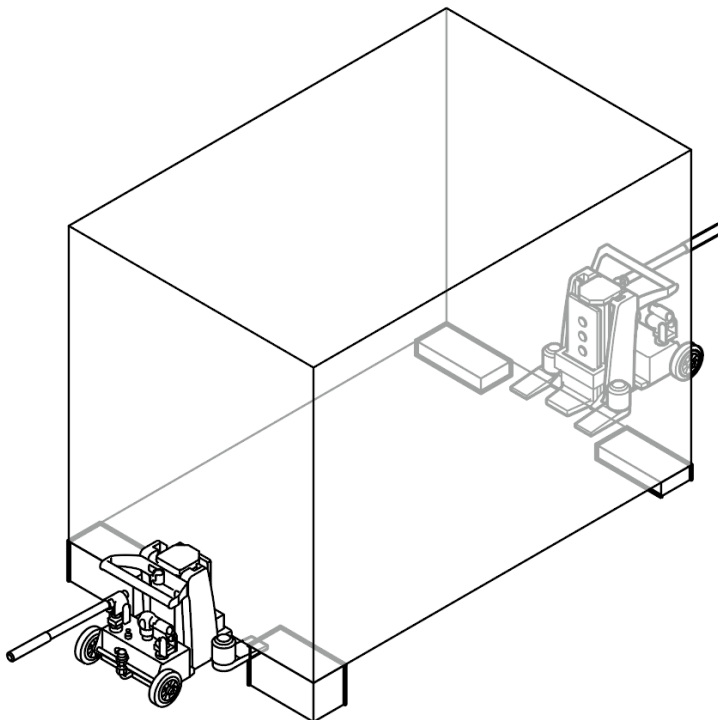
Be sure to use the connecting rod for the individual mover. As a result, the movers are guided parallel to the load if the floor is even, clean, dry and without steps. Otherwise, tipping or slipping can lead to injuries or even to fatal accidents. Secure the transport load.

3. **⚠ DANGER**

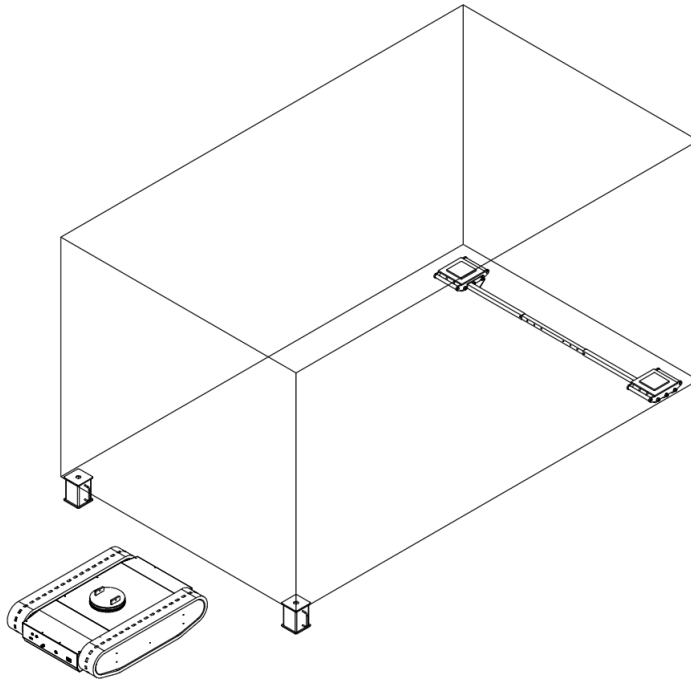
Never lift the load to be lifted on one side up to the ground clearance since there is a big risk of tilting and slipping if this is done.

4. **⚠ WARNING**

Slowly and carefully lower the transport load onto the mover. There is risk of tipping and slipping.



- a. Gradually raise the transport load with the jacks in parallel and prop up with stable base supports until it is 5mm above the specified height. Due to the danger of tipping, avoid large inclinations that can shift the center of gravity. This is particularly a danger for unstable transport loads.
- b. Move both cassettes of the adjustable Titan mover underneath.
- c. Adjust and lock skates (connection rod)
- d. Slowly and carefully lower the transport load onto the movers.
- e. Use wedges to secure the mover against rolling.
- f. Position the electrically driven mover to the determined location.



5. Extend the hydraulic platform until the transport goods are lifted.

TRANSPORT DURING LOADING

Transport may only be carried out on a level, clean, load-bearing and dry surface.

1.  **WARNING**
Do not move on a pitch. Maintain a safety distance of 3m.
2.  **WARNING**
A suitable roll-away safeguard is to be provided to prevent potential rolling-away.
3.  **WARNING**
Do not exceed the permissible unbraked trailer load.
 - Clean the transport path before transporting and clear away any loose objects.

CARE AND MAINTENANCE

Unloading the Titan Mover

Never leave the Titan mover on loading status.

Always make sure hydraulic cylinder drop to the lowest.

Cleaning

If you have used the Titan mover in wet or dirty conditions, you can clean it in the following manner:

Remove dirt from the belts. Then give it a gentle cleaning using a small amount of clean water and a brush or cloth. Do not use soap or cleansing agents or a high-pressure cleaner.

Storage

Put the Titan mover in the transport box delivered from the factory.

Store the Titan mover in dry, frost-free conditions.

Do not store the Titan mover in direct sunlight or at high temperatures. High temperatures may drain the battery quickly.

Maintenance

The Titan mover should be operated at least every second month in order to keep the battery healthy.

If the Titan mover goes unused for more than two months, it is highly recommended that you operate the Titan mover for a short while and then charge the battery until the LED on the charger turns green, in order to maintain maximum battery life and performance.

Regularly grease the bearings since they are subjected to strong friction forces. Use commercially available high-performance bearing grease.

- > Use a paintbrush to grease the bearings.
- > Grease the bearings of the trolley at least once a year.

Check if the oil is enough for hydraulic cylinder.

Repair

Please contact your local dealer for repair issues.

CERTIFICATIONS

EC Declaration of conformity

Manufacturer:

Kronings Engineering
Manufacturing(Ningbo) Co., LTD

No. 85, Jinhe Road, Nordic Industrial Park,
Zhenhai Ningbo 315221, Zhejiang, China

Authorized Representative:

Kronings Aps
Lammefjordsvej 5, 6715 Esbjerg N.
45 7022 5840

Robot Trolley

UMDNS-Code: 2014/30/EU

Product model: RT1500, RT2500, RT4500, RT1500RS, RT2500RS, RT4500RS,
RT2500RS Mini, RT5500RS, Titan Mover, Atlas Mover.

Above is conformity with the applicable parts of the follow documents:

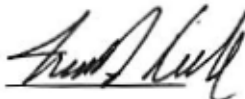
EN IEC 55014-1: 2021

EN IEC 55014-2: 2021

EN IEC 61000-3-2: 2019+A1: 2021+A2: 2024

EN 61000-3-3: 2013+A1: 2019+A2: 2021

Hereby declare that the parts named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable electromagnetic compatibility of the directives.

Signed by: 

Name: Troels Nakel

Position: GM

Done at: Ningbo city

Date: Sep 29th 2025