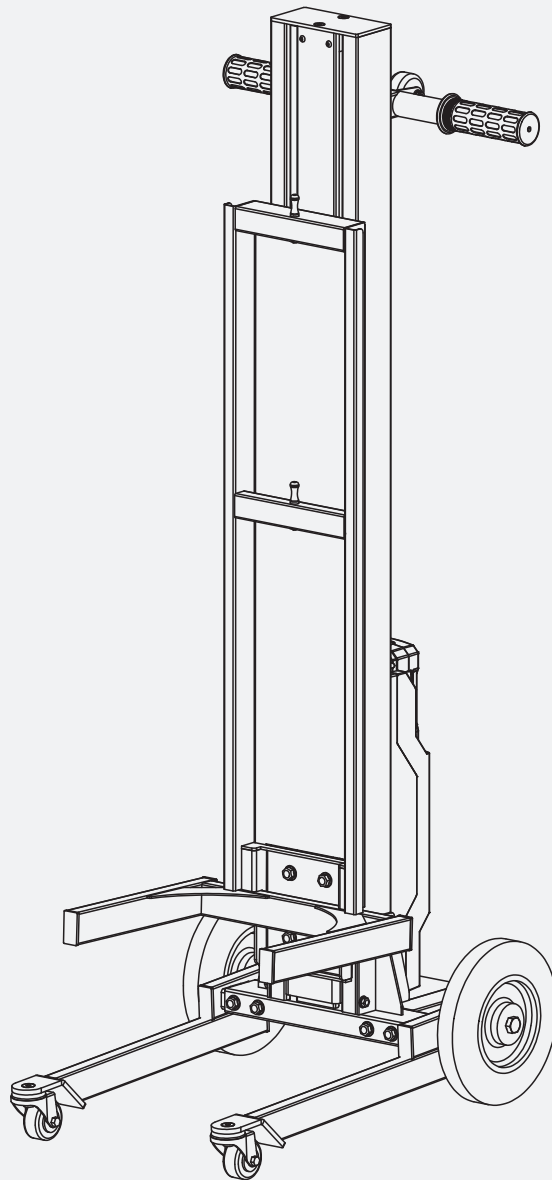




Pail Lift | GUO150 Operator's Manual



Warning: Please read and thoroughly understand all instructions before operating. Failure to follow safety rules and other basic safety precautions may result in serious personal injury. Keep these instructions in a safe and easily accessible place so that they can be referred to when needed. Retain these instructions to assist in future servicing.

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Warning

The safety of all persons operating, maintaining, repairing, or in the vicinity of this equipment is of paramount concern. This is a powerful machine with moving parts, and is capable of causing personal injury if proper precautions are not taken. Therefore, throughout this manual, certain hazards have been identified which may occur in the use of the machine, and there are appropriate instructions or precautions which should be taken to avoid these hazards.

1. Do not use or service this equipment until you have read and understood the operator's manual.
2. Only trained personnel and authorized personnel shall be permitted to operate the lift.
3. Operators should wear protective footwear while using this device.
4. Do not attempt to lift or transfer personnel with this equipment.
5. Ensure that all safety devices are operational and in place.
6. Ensure that all labels are in place and legible, do not use this equipment if they are not clear. Do not remove or obscure any labels.
7. Any device not in safe operating condition such as, but not limited to, excessive leakage, missing rollers, pins, or fasteners, any bent or cracked structural members, cut or frayed electric, damaged or malfunctioning controls or safety devices, etc. shall be removed from service until it is repaired to the original manufacturer's standards.
8. Do not modify the product in any way. Unauthorized modifications will automatically void the limited warranty and may pose safety hazards.
9. Avoid operating with obstructed views.
10. Avoid operating on inclined surfaces. The device's weight needs to be supported by the operator at all times. Inclined surfaces will increase the weight that the operator needs to support.
11. Dirty, wet or slippery floors will reduce the traction of the operator and create a slipping hazard.
12. This equipment is not waterproof. Never use it outdoors on rainy days, and do not clean it with a water gun.
13. Children shall stay away from the operating area, and minors are not allowed to use this equipment.
14. Inspect this equipment before each use, if maintenance is required, contact the supplier for replacement parts.
15. Do not exceed the manufacturer's load rated capacity. Read capacity sticker or load capacity rating specification section of this operational manual.
16. Never place an item on the lift that can roll off or tip over the unit.
17. During use, do not place your feet or any other part of your body under the pails.
18. Make sure the lifting yoke is completely under the load. Always load towards the rear.
19. Do not turn off the power supply or disconnect the battery when the product is under load, to avoid the heavy load sliding down.
20. Do not raise or lower a load while transporting a load. Wait until the device is stopped and at the load transfer location.
21. Transport the load with its center of weight at its lowest point to improve stability.
22. Never tilt equipment to move with heavy loads lifted high, as this may cause equipment damage or personal injury. Instead, lower heavy loads before tilting to move.
23. Never suddenly force tilted-back loaded equipment forward to upright, as this may cause equipment damage and load drops. Instead, grasp the handle, step on the kick axle, and slowly return to upright.
24. Do not park on inclined surfaces. Ensure the ground in the park area is level to avoid tipping or jolting, which may cause the load to fall, resulting in damage to the load or personal injury.
25. Before leaving the equipment, you must lower the load and turn off the power supply to prevent the equipment and load from moving—this may cause equipment damage or personal injury.
26. The device shall be inspected and maintained in proper working order in accordance with the operator's manual.
27. All repairs shall be made by qualified personnel in conformance with instructions.

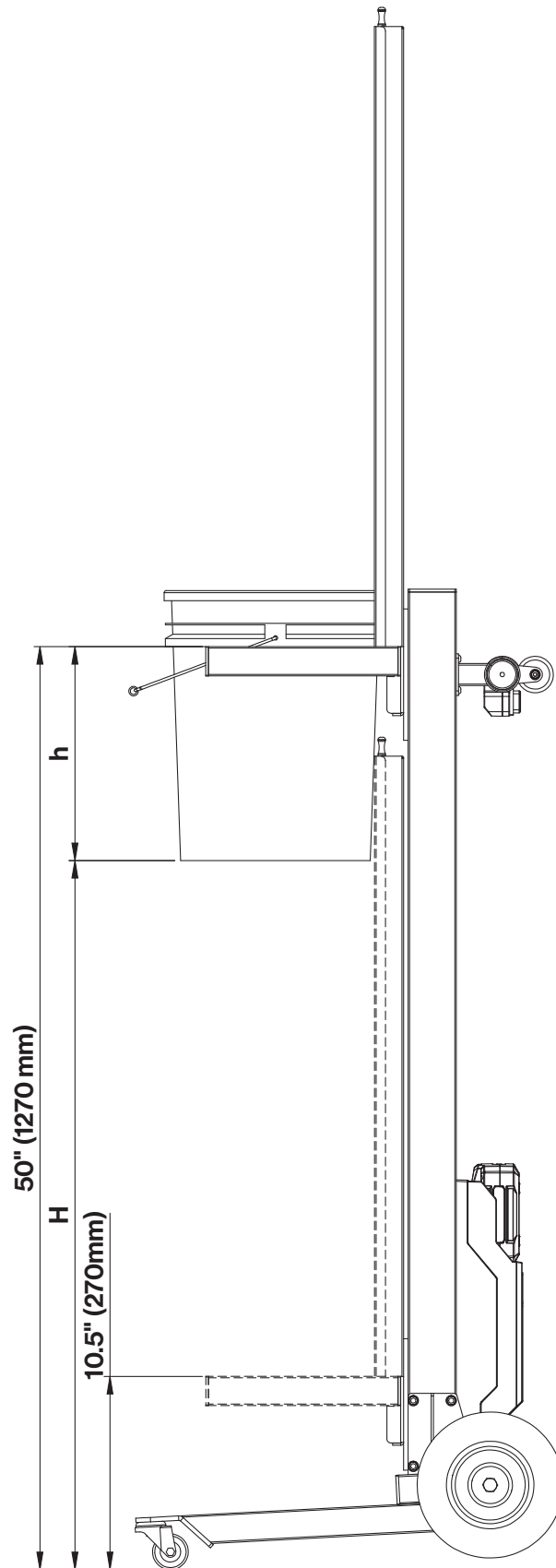
Technical Specifications

SKU#	GU0150
Max. Lifting Capacity	220 lb (100 kg)
Lifting Stroke	39.5" (1000 mm)
Yoke Lifting Range	10.5~50" (270~1270 mm)
Pail Lifting Range (NOTE: H)	0~38" (0~965 mm) for 5 Gal Pail
Lifting Speed	3.7"/s (95 mm/s)
Lowering Speed	4.6"/s (118 mm/s)
Pail Yoke Working Width	11" (283 mm)
Pail Yoke Working Length	9.5" (235 mm)
Battery Type	Lithium Battery 48Vdc
Battery Capacity	2.0 Ah
Motor Power	550 W
Rear Wheels	8"x2 (Directional)
Front Wheels	2"x2 (Universal)
Item Size	53"x23"x18" (1344x587x445 mm)
Item Weight	50 lb (23 kg)
Package Size	51"x13.5"x11.5" (1294x340x295 mm)
Shipping Weight	62 lb (28 kg)

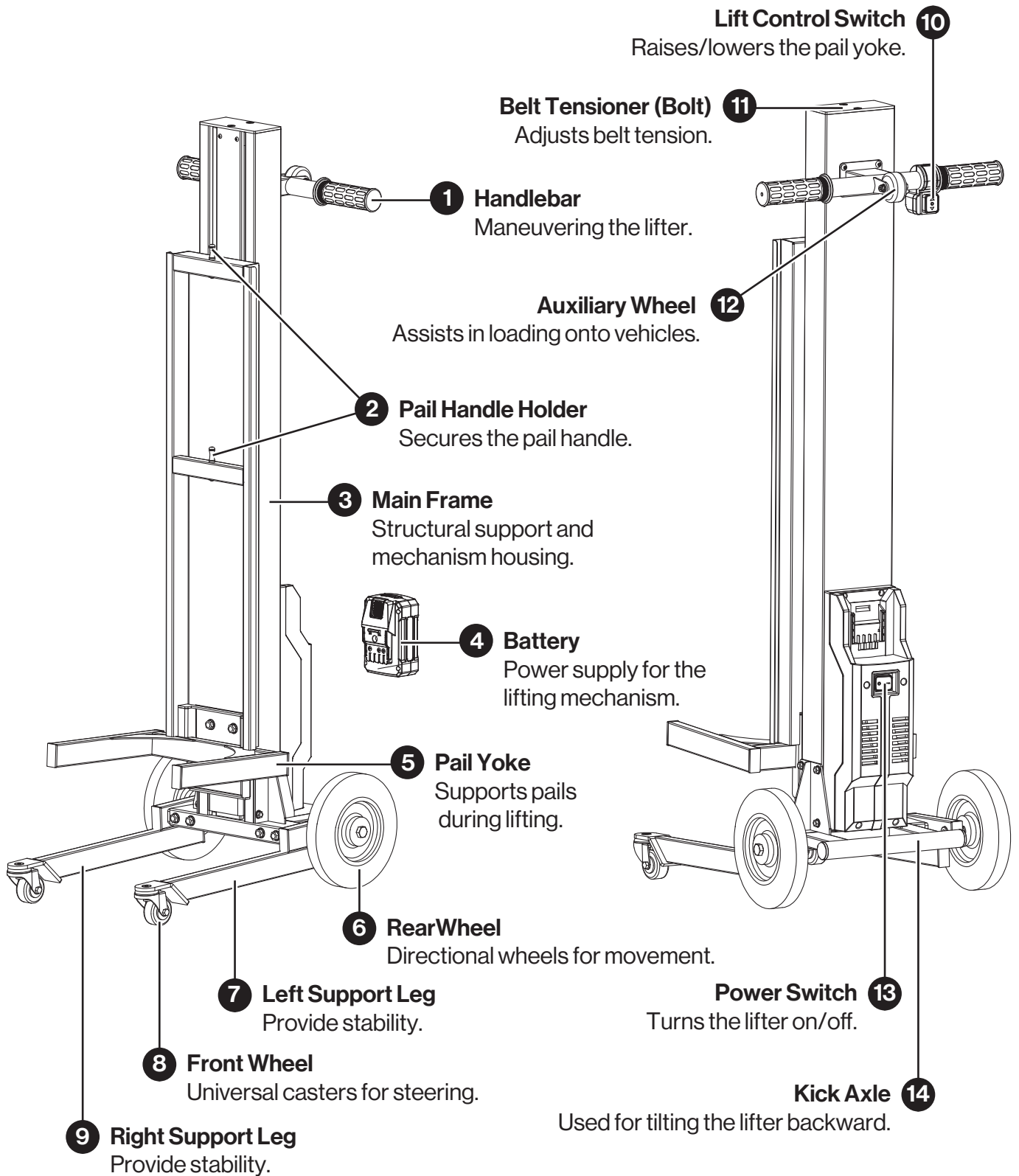
Note:

Pails of different heights have different lifting ranges.

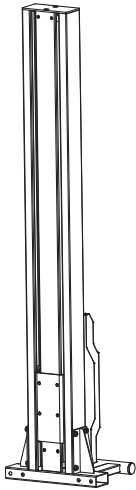
The maximum lifting height(H) can be calculated with the following formula: $H = 50\text{in} - h$.



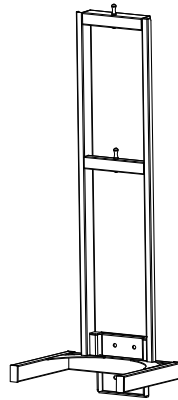
Component Overview



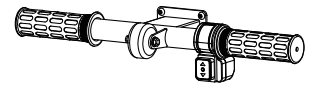
Parts Overview



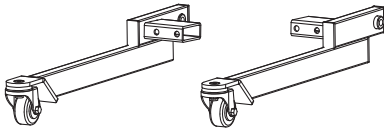
Main Frame



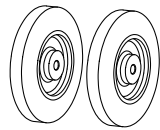
Shelf Bracket



Handlebar Assembly



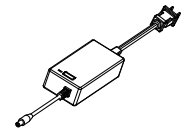
Left & Right Support Leg



Rear Wheels

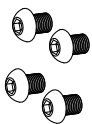


Battery

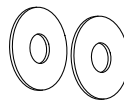


Battery Charger

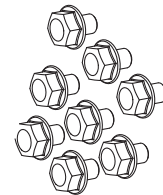
Assembly Hardware



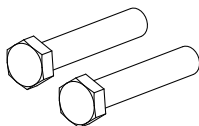
M6x8 Pan Head Bolt (x4)



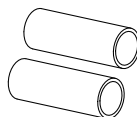
φ12 Flat Washer (x2)



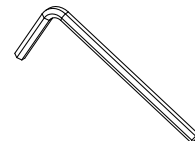
M8x10 Bolt (x8)



M12x65 Bolt (x2)



Axle Sleeve (x2)



Allen Wrench 4mm

Assembly

Recommended Tools:



Adjustable Wrench (Not included)



13mm Open-end Wrench (Not included)



4mm Allen Wrench

Step-1 Install the Rear Wheels

1. Use M12x65 bolts to pass through the flat washers, axle sleeve, and rear wheel in sequence, then secure them to the right support Leg. **(Fig. 01)**
2. The installation of the rear wheel on the left support leg is the same as above. **(Fig. 02)**

Fig. 01

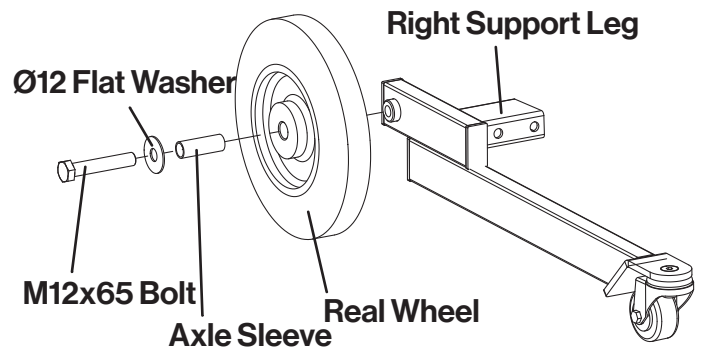
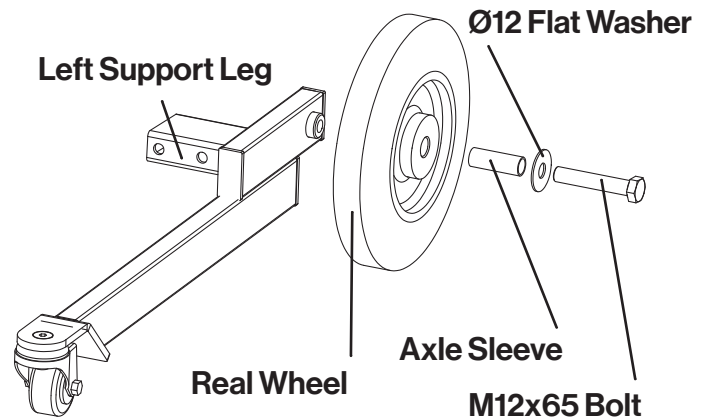


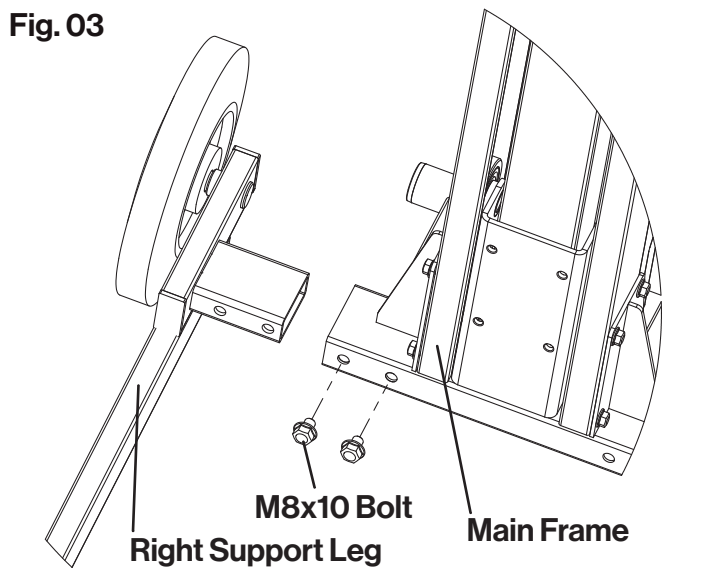
Fig. 02



Step-2 Install the Support Leg Assembly

1. Align the right support leg with the main frame, and insert it into the fixing slot.
2. Fasten the support leg to the main frame tightly with two M8x10 bolts. **(Fig. 03)**

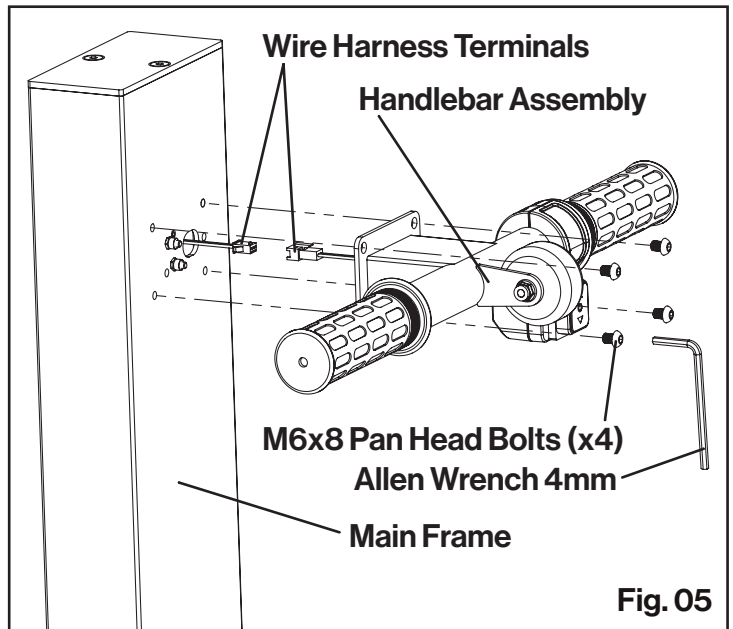
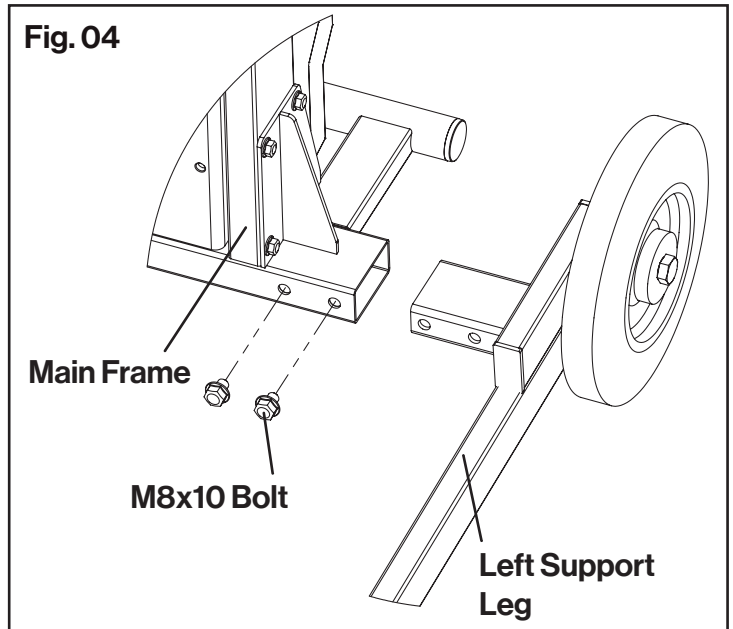
Fig. 03



3. The installation of the left Support leg assembly is the same as above. **(Fig. 04)**

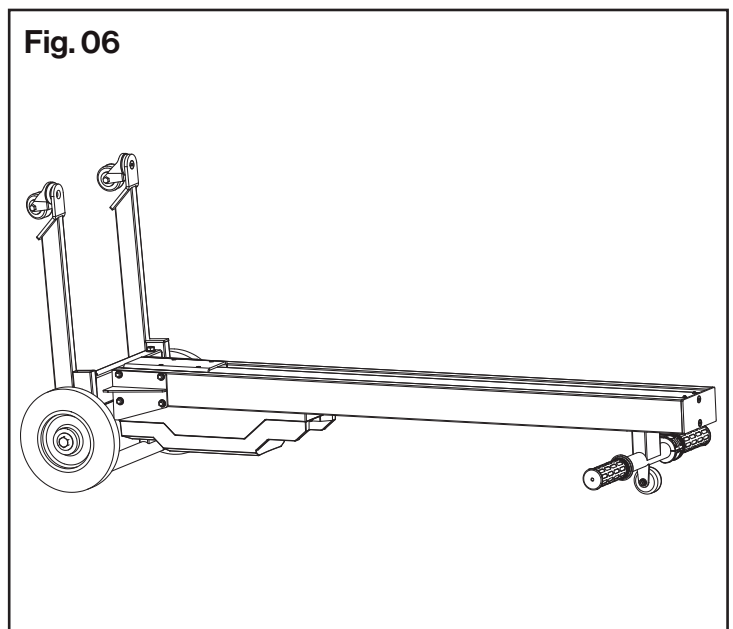
Step-3 Install the Handlebar Assembly

1. Align and insert the control wire harness terminals, then tuck the wire harness into the handle hole.
2. Align the handlebar's fixing surface with the surface of the Main Frame Support, and line up the bolt holes.
3. Use M8x6 pan head bolts to tighten and secure the handlebar. **(Fig. 05)**

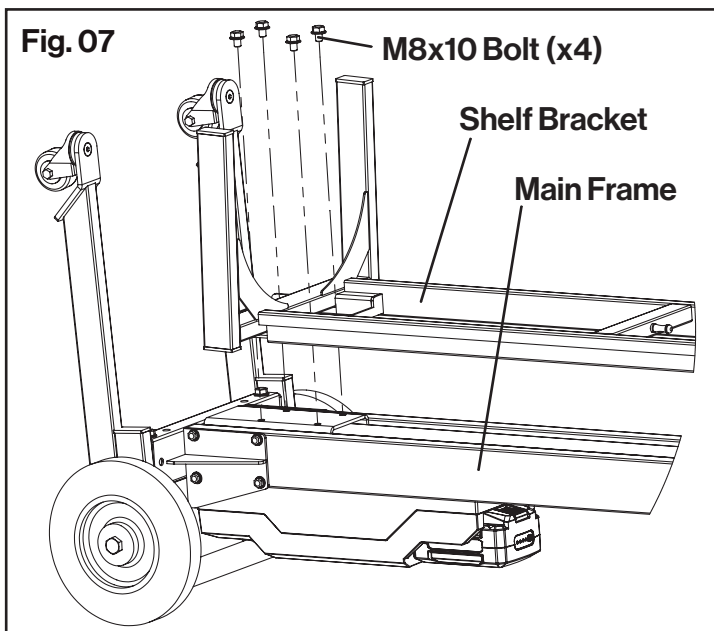


Step-4 Install the Shelf Bracket

1. Place the installed main unit flat. **(Fig. 06)**
2. Place the shelf bracket on the installed main unit as shown in the figure.

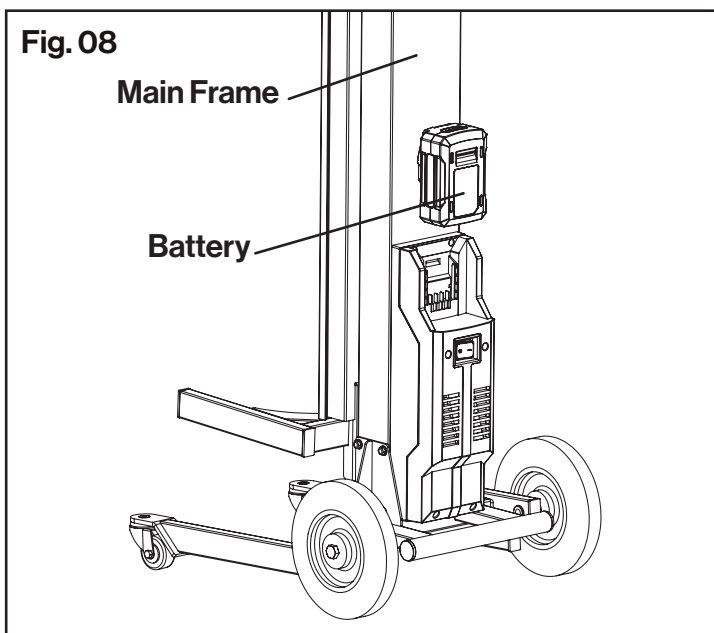


3. Use M8x10 bolts to tighten and secure it. **(Fig. 07)**
4. After installation is complete, stand the equipment upright.



Step-5 Install the Battery

Insert the battery into the battery connector compartment. **(Fig. 08)**



Operation

Before Operation

Before using the device, the operator shall have:

- Read and/or had been instructed about, and understood, the manufacturer's operating instructions and safety rules.
- Inspected the device for proper operation and condition. Any suspect item shall be carefully examined and a determination made by a qualified person as to whether it constitutes a hazard. All items not in conformance with specifications shall be corrected before further use of the equipment.

WARNING

1. The device shall only be used in accordance with this operator's manual.
2. Only trained personnel and authorized personnel shall be permitted to operate the lift.
3. Operators should wear protective footwear while using this device.
4. Do not attempt to lift or transfer personnel with this equipment.
5. Ensure that all safety devices are operational and in place.
6. Ensure that all labels are in place and legible, do not use this equipment if they are not clear. Do not remove or obscure any labels.
7. Avoid operating with obstructed views.
8. Avoid operating on inclined surfaces. The device's weight needs to be supported by the operator at all times. Inclined surfaces will increase the weight that the operator needs to support.
9. Dirty, wet or slippery floors will reduce the traction of the operator and create a slipping hazard.
10. Children shall stay away from the operating area, and minors are not allowed to use this equipment.
11. This equipment is not waterproof. Never use it outdoors on rainy days, and do not clean it with a water gun.
12. Do not park on inclined surfaces. Ensure the ground in the park area is level to avoid tipping or jolting, which may cause the load to fall, resulting in damage to the load or personal injury.
13. Before leaving the equipment, you must lower the load and turn off the power supply to prevent the equipment and load from moving—this may cause equipment damage or personal injury.

Switches Operation

1. Power Switch

Pressing "I" indicates the power is on, and the indicator light illuminates; pressing "O" indicates the power is off, and the indicator light turns off. (Fig. 09-a)

WARNING

Do not turn off the power supply when the product is under load, to avoid the heavy load sliding down.

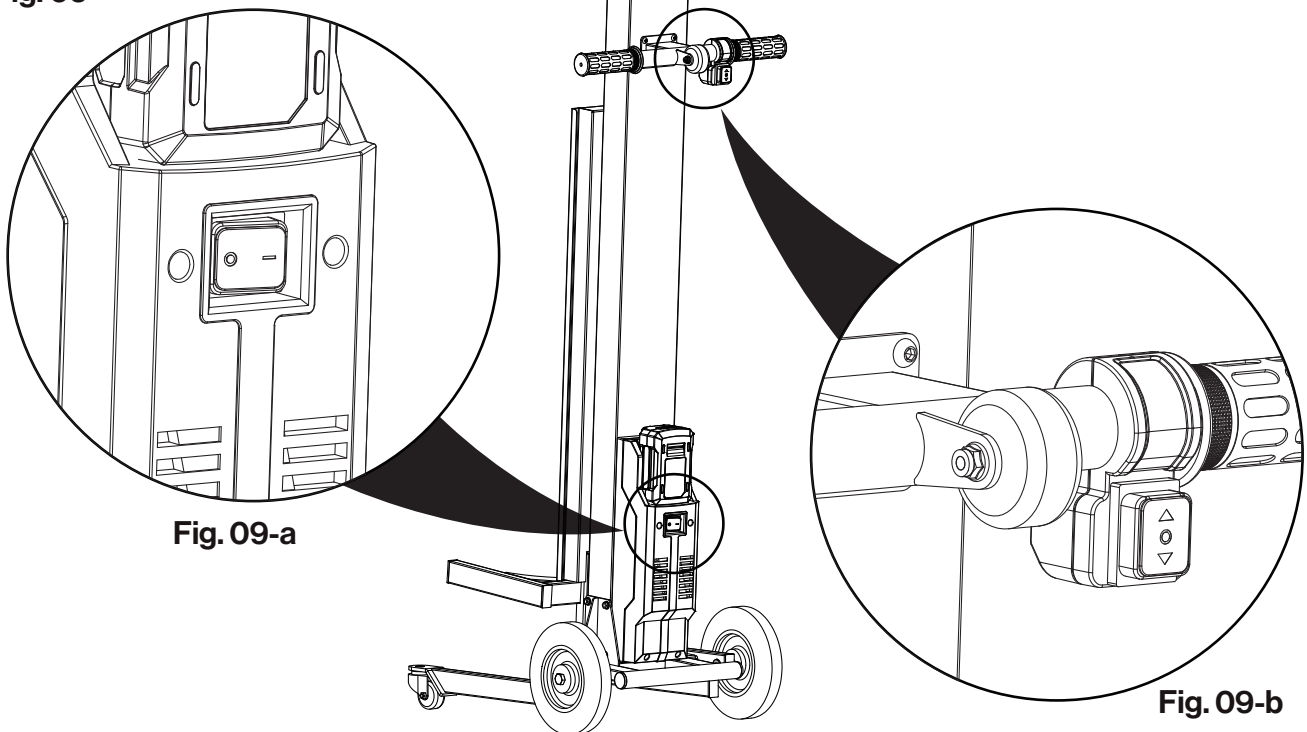
2. Lift Control Switch

With the power switch on, pressing the Up button raises the pails—releasing the button mid-ascent stops them right away, and it stops automatically at the highest point. Pressing the Down button lowers the pails—releasing the button mid-descent stops them right away, and it stops automatically at the lowest point. (Fig. 09-b)

WARNING

Do not raise or lower a load while transporting a load. Wait until the device is stopped and at the load transfer location.

Fig. 09



3. Battery Level Button: Pressing the battery's level button to check the charge level:

- ° 1 Red, 3 Green LEDs: 80-100%
- ° 1 Red, 2 Green LEDs: 60-80%
- ° 1 Red, 1 Green LED: 30-60%
- ° 1 Red LED: 0-30%

Low Power Condition: When the battery is nearly depleted, the device may operate at reduced performance. Recharge or replace the battery as soon as possible.

WARNING

Do not disconnect the battery when the product is under load, to avoid the heavy load sliding down.

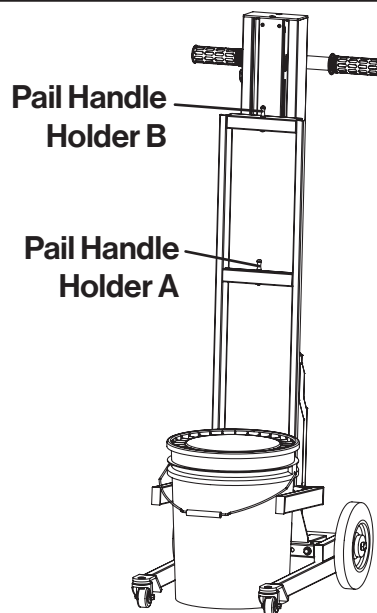
Loading/Stacking Pails

For 1 Pail:

1. Lower the pail yoke to the lowest point.
2. Push the lifter forward horizontally so that the pail body fits snugly against the curved surface of the pail yoke.
3. Press the up button on the control switch to lift the bucket off the ground. **(Fig. 10)**

Note: No need to hang the handle for loading 1 pail.

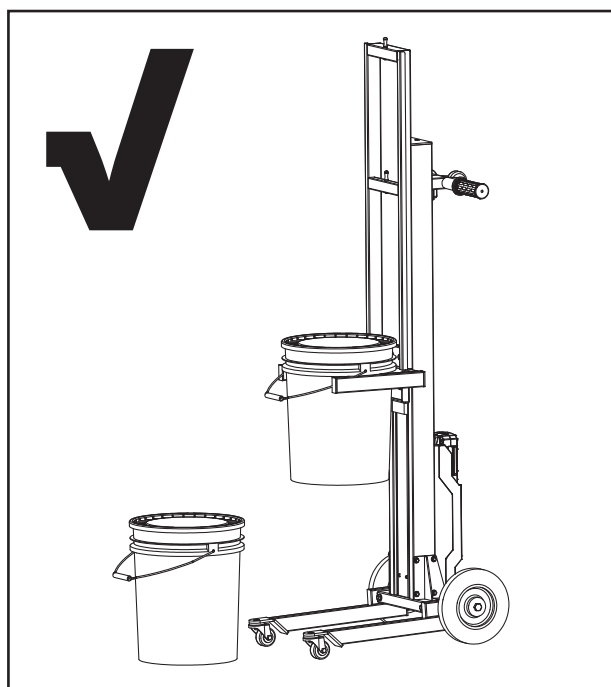
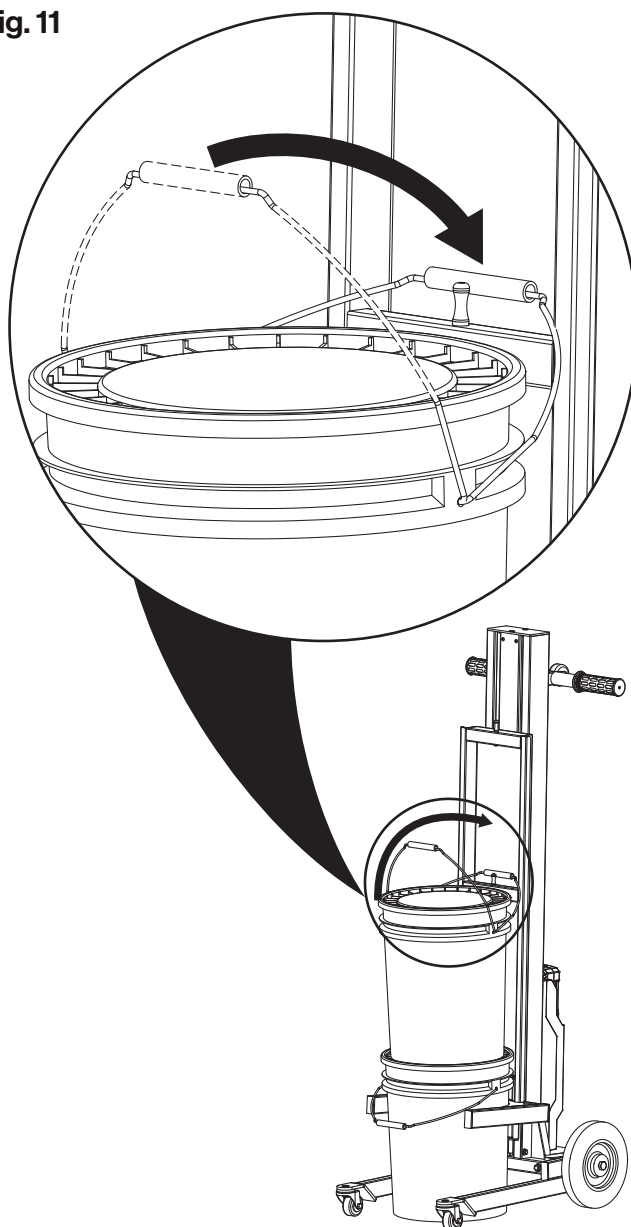
Fig. 10



For 2 Pails:

1. Lift one pail and stack it on top of another.
2. Lower pail yoke to lowest position; hang top pail's handle on holder.
3. Press the up button on the control switch to lift the pails off the ground. **(Fig. 11)**

Fig. 11



For 3 pails:

1. Stack the third pail on the two stacked ones, or the two stacked pails on the third.
2. Lower pail yoke to lowest position; hang top pail's handle on holder.
3. Press the up button on the control switch to lift the pails off the ground. **(Fig. 12)**

Note: No need to hang the two lower pails' handles.

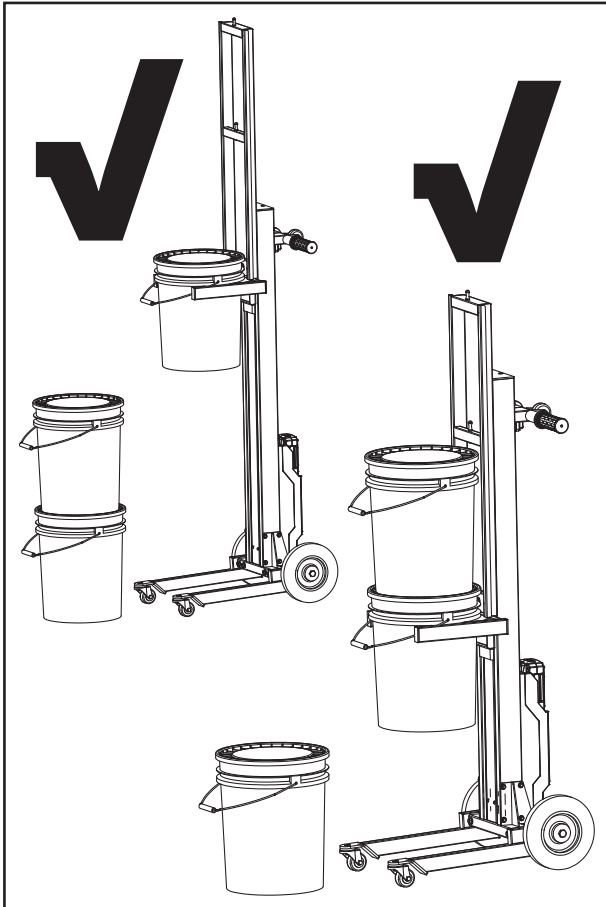
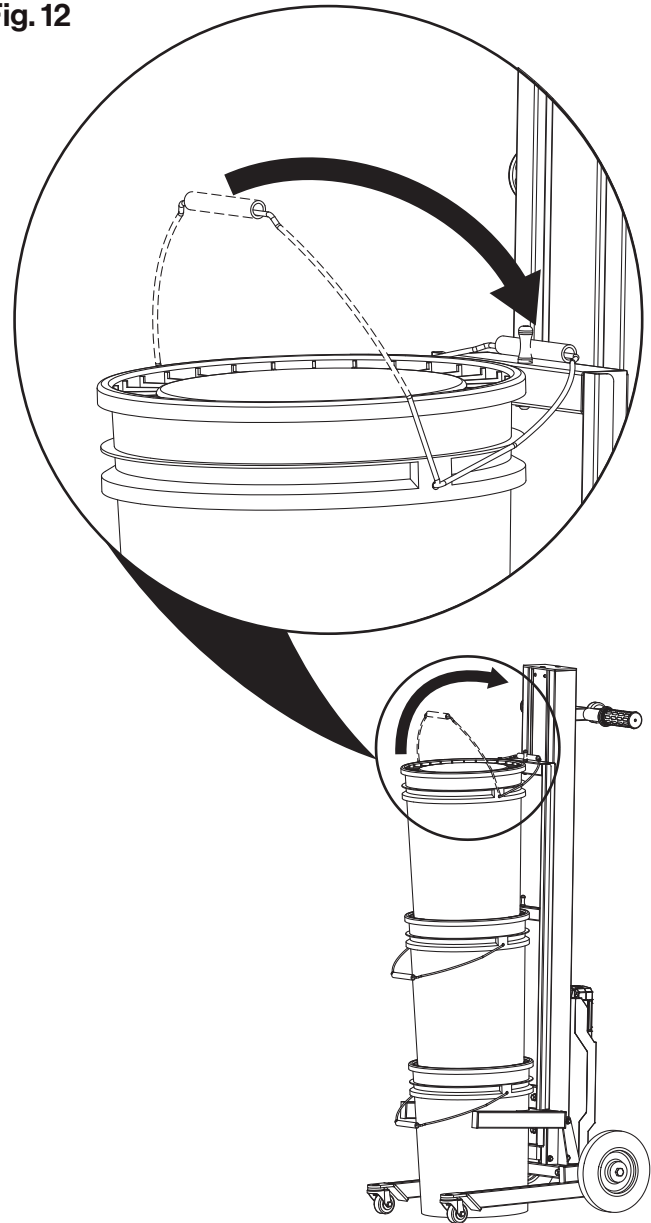


Fig. 12



⚠ CAUTION

Ensure handle is locked here when loading. Release when unloading.

⚠ WARNING

1. Do not overload. Typically, max 3 pails stackable with this equipment per use.
2. The stacking quantity of pails is also limited by the total stacking height and the load-bearing capacity of the bottom pail.
3. Always hang the pail handles on the hooks before transporting them when working with 2 or 3 pails.
4. Never place an item on the lift that can roll off or tip over the unit.
5. Children shall stay away from the operating area, and minors are not allowed to use this equipment.
6. Do not attempt to lift or transfer personnel with this equipment.
7. Avoid pinching fingers when hanging pail handles or lifting/lowering pails.
8. During use, do not place your feet or any other part of your body under the pails.
9. Never raise the pails to a high position for shutdown or storage.

Transporting Pails

1. Lift the pail so that its bottom clears the ground.

2. Transferring pails (As shown in the **Fig. 13**)

Upright Pushing: Hold the handle and push forward gently.

Note: This method is suitable for flat ground. Avoid excessive pushing speed to prevent pails from slipping off.

Tilted Pushing:

Step on the Kick Axle, pull the handle backward to tilt the equipment and adjust it to a proper tilt angle, then push/pull the equipment to the target position.

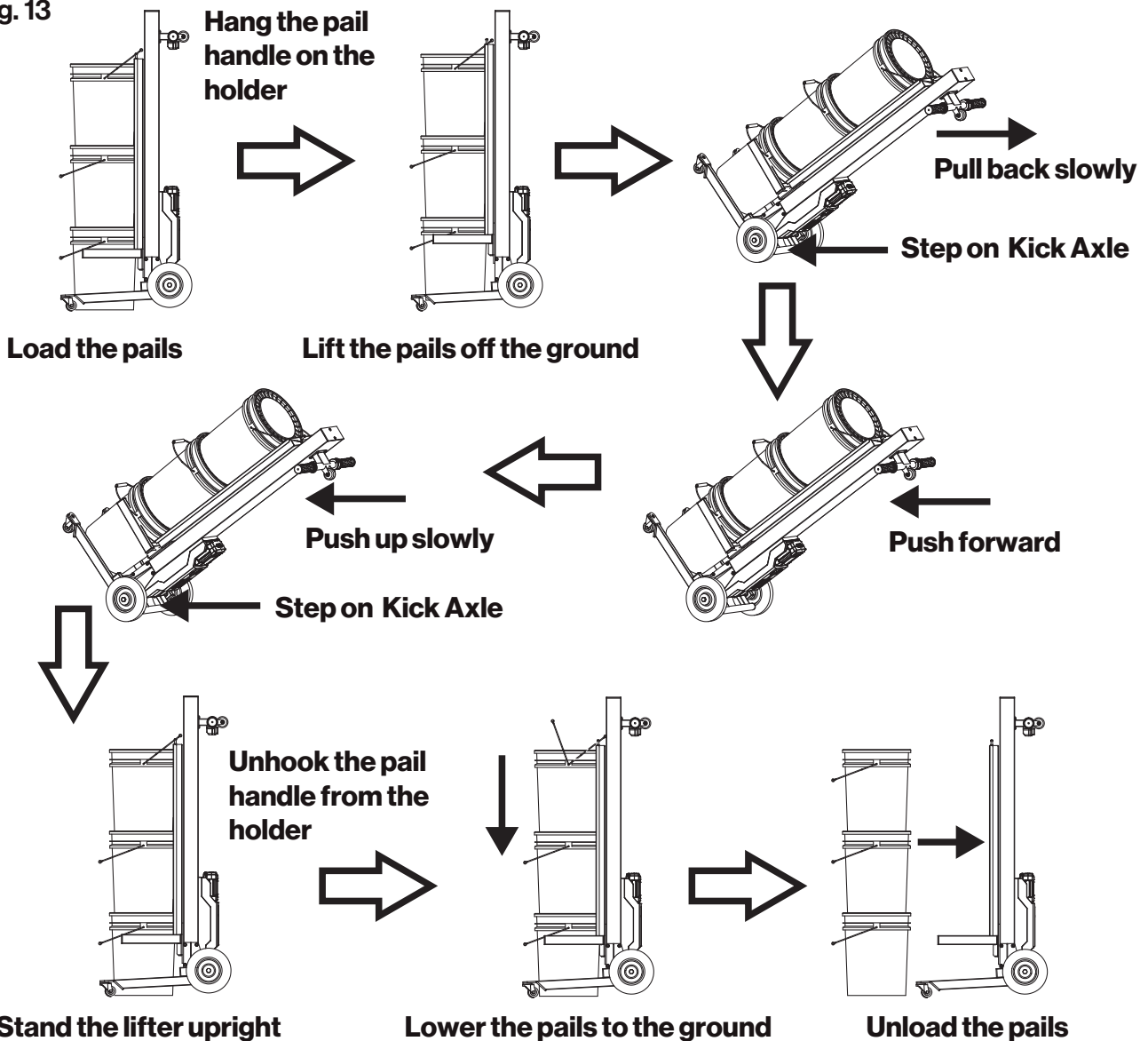
For Unloading: Grasp the handle, step on the kick axle, and slowly return to upright, then unload.

Note: This method is suitable for slightly bumpy ground, crossing speed bumps, and scenarios requiring faster transportation speed.

WARNING

Never suddenly force tilted-back loaded equipment forward to upright, as this may cause equipment damage and load drops.

Fig. 13



 WARNING

1. Never operating or park on inclined surfaces. Ensure the ground in the park area is level to avoid tipping or jolting, which may cause the load to fall, resulting in damage to the load or personal injury.
2. Transport the load with its center of weight at its lowest point to improve stability.
3. Children shall stay away from the operating area, and minors are not allowed to use this equipment.
4. Never tilt equipment to move with heavy loads lifted high, as this may cause equipment damage or personal injury. Instead, lower heavy loads before tilting to move.
5. Never raise the pails to a high position for shutdown or storage.
6. Do not turn off the power supply or disconnect the battery when the product is under load, to avoid the heavy load sliding down.
7. Never suddenly force tilted-back loaded equipment forward to upright, as this may cause equipment damage and load drops. Instead, grasp the handle, step on the kick axle, and slowly return to upright.

Carry the lifter in a truck bed

Place the auxiliary wheel on the truck bed, lift the equipment legs, push the equipment onto the truck bed, and secure it properly. (as shown in **Fig18~20**)

WARNING

Do not load the equipment onto a vehicle by holding the pail yoke—risk of damage or injury from relative sliding.

Fig. 18

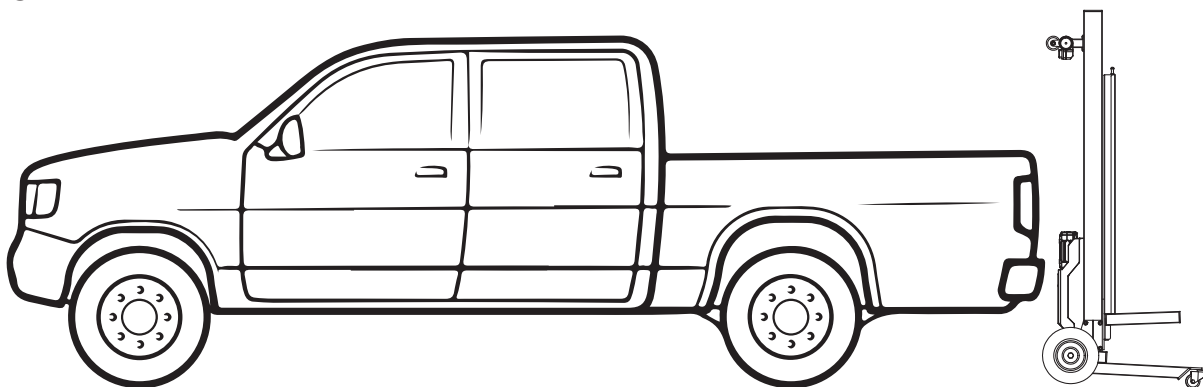


Fig. 19

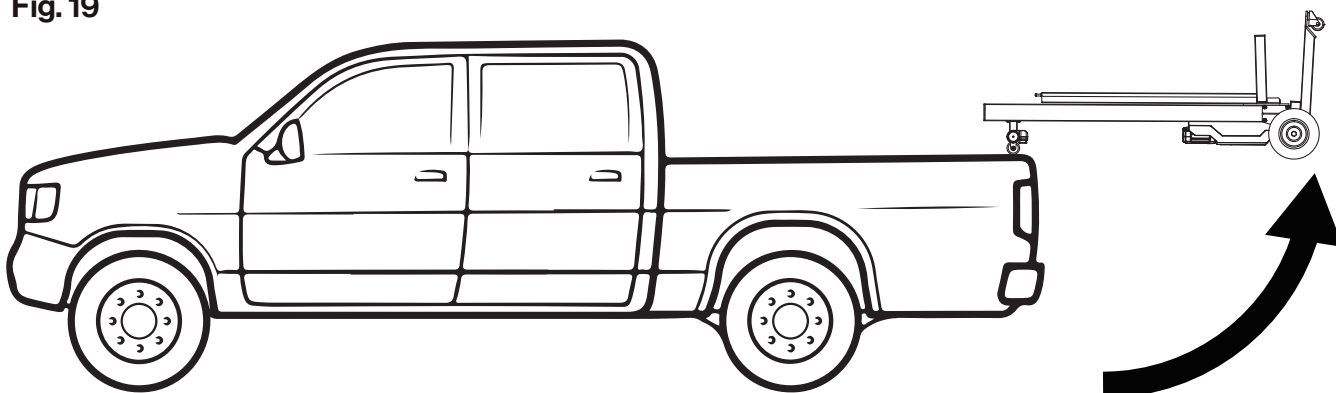
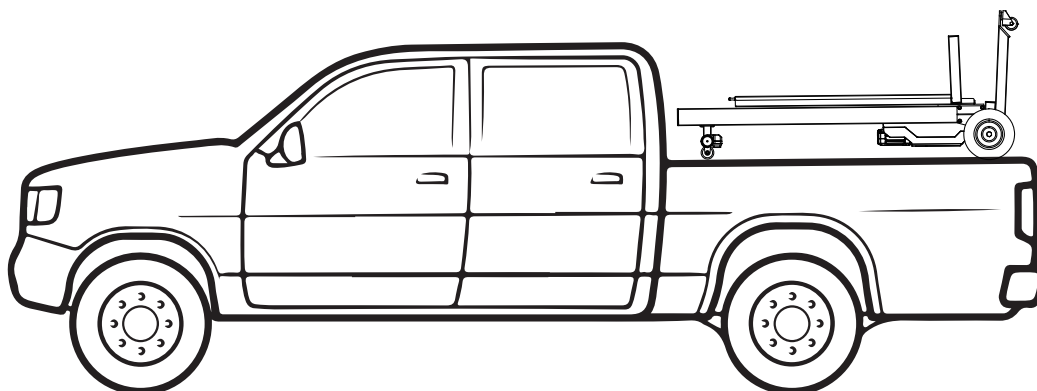


Fig. 20

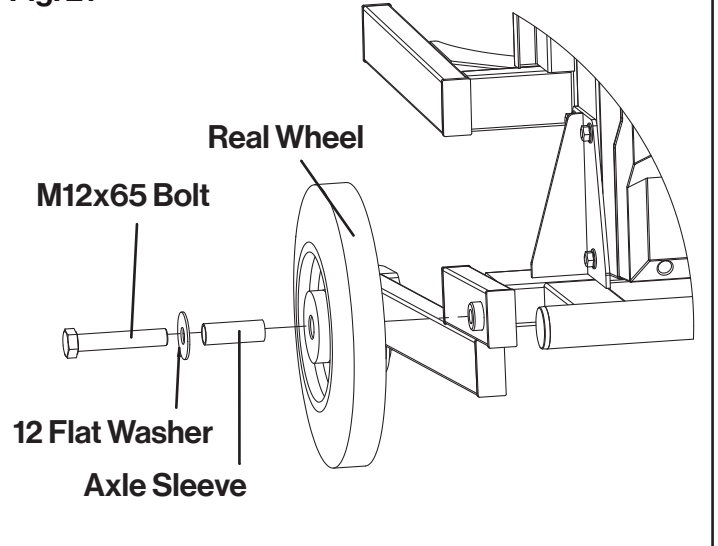


Maintenance

Rear Wheels Replacement and Cleaning

Regularly inspect the rear wheels for wear. Clean them as needed or replacement. **(Fig. 21)**

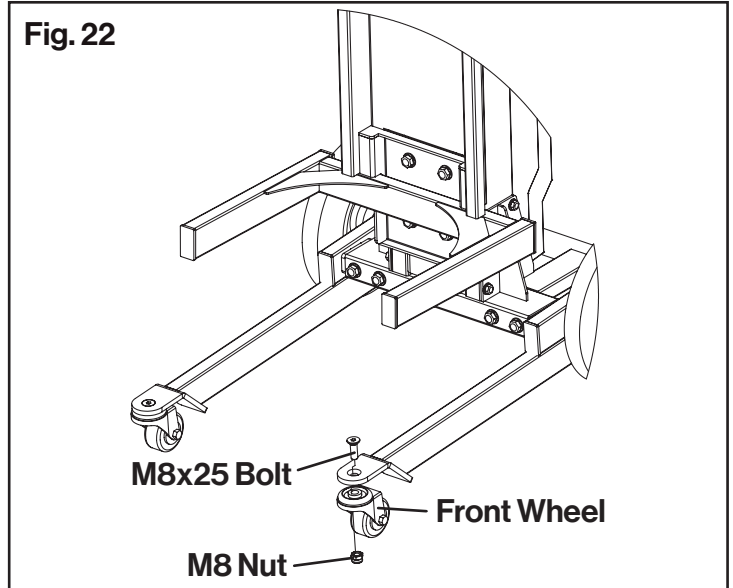
Fig. 21



Front Wheels Replacement

Regularly inspect the front wheels for wear. Clean them as needed or replacement. **(Fig. 22)**

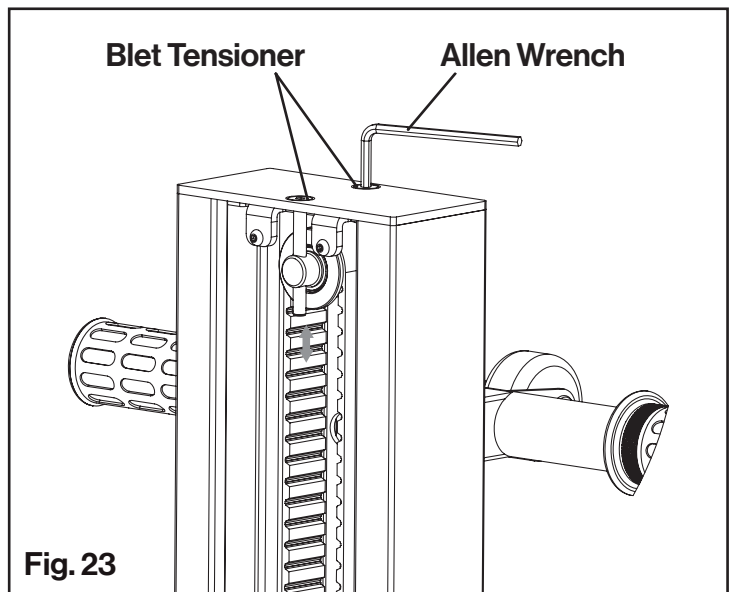
Fig. 22



Belt Tension Adjustment

If loud "clicking" noises are heard when lifting a load, this indicates a loose belt—you need to adjust and tension the belt. Use an Allen Wrench to tighten the two bolts clockwise; after each full turn of tightening, test the lifting function until normal lifting is possible. **(Fig. 23)**

Fig. 23

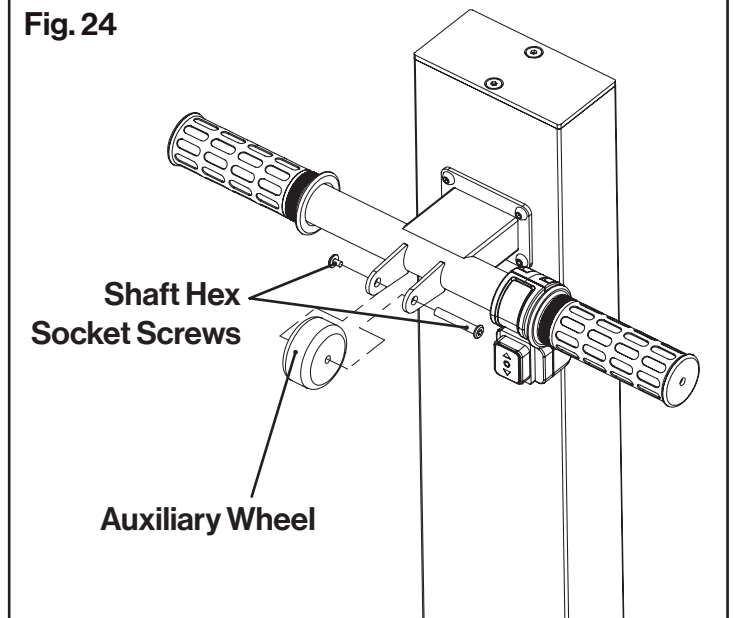


Replacement of Auxiliary Wheel

Regularly check the wear condition of the loading auxiliary wheel. Clean or replace it as needed.

(Fig. 24)

Fig. 24



Battery Charging

- **First Use:** Fully charge the battery before initial use or after a long period of non-usage.
- **Charging Time:** A full charge takes approximately 1.5 hours for a fully discharged battery.
- **Connecting the Charger:** Insert the charger pin into the battery's center port, then plug the charger into a 100-240V outlet. The LED light on the charger will turn solid red while charging and switch to solid green when fully charged.
- **Overcharge Protection:** The charger has built-in overcharge protection. Do not leave the charger connected for more than 24 hours.
- **Unplugging:** Once charging is complete, unplug the charger from the outlet, then disconnect it from the battery. To resume charging after a full charge, unplug and plug the charger back in to reset.

NOTICE: When fully charged, the first LED will remain RED. This is normal and does not indicate a fault.



Troubleshooting Chart

Issue	Possible Cause	Solution
Press the Up button, the lifter has no movement.	1. Battery is not inserted or power switch is not turned on. 2. Battery is fully discharged.	1. Insert the battery pack and turn on the power switch (indicator light illuminates). 2. Remove the battery pack, fully charge it, and then use the equipment.
Press the Up button, the lifter makes a clicking sound.	1. Overloaded. (Max capacity is 220 lb/100 kg). 2. Insufficient tension of the timing belt.	1. Reduce the load and ensure it does not exceed 220 lb/100 kg. 2. Increase the belt tension (refer to Maintenance -Belt Tension Adjustment).
Press the Down button, the lifter has no movement.	1. Battery is not inserted or power switch is not turned on. 2. Battery is fully discharged.	1. Insert the battery and turn on the power switch (indicator light illuminates). 2. Remove the battery, fully charge it, and then use the equipment.
Rear wheel(s) does not rotate smoothly.	1. Excessive dirt on the rear wheel(s). 2. Rear wheel(s) is(are) damaged.	1. Clean the dirt around the rear wheel(s). 2. Replace the rear wheel(s).
Front wheel(s) does not rotate smoothly.	1. Excessive dirt on the front wheel(s). 2. Front wheel(s) is(are) damaged.	1. Clean the dirt around the front wheel(s). 2. Replace the front wheel(s).
Auxiliary wheel does not rotate smoothly.	1. Excessive dirt on auxiliary wheel. 2. Auxiliary wheel is damaged.	1. Clean the dirt around the auxiliary wheel. 2. Replace the auxiliary wheel.

Issue	Possible Cause	Solution
Shelf bracket wobbles	Bolts of the shelf bracket are loose.	Use a wrench to tighten the bracket bolts (refer to Assembly- Step 4).

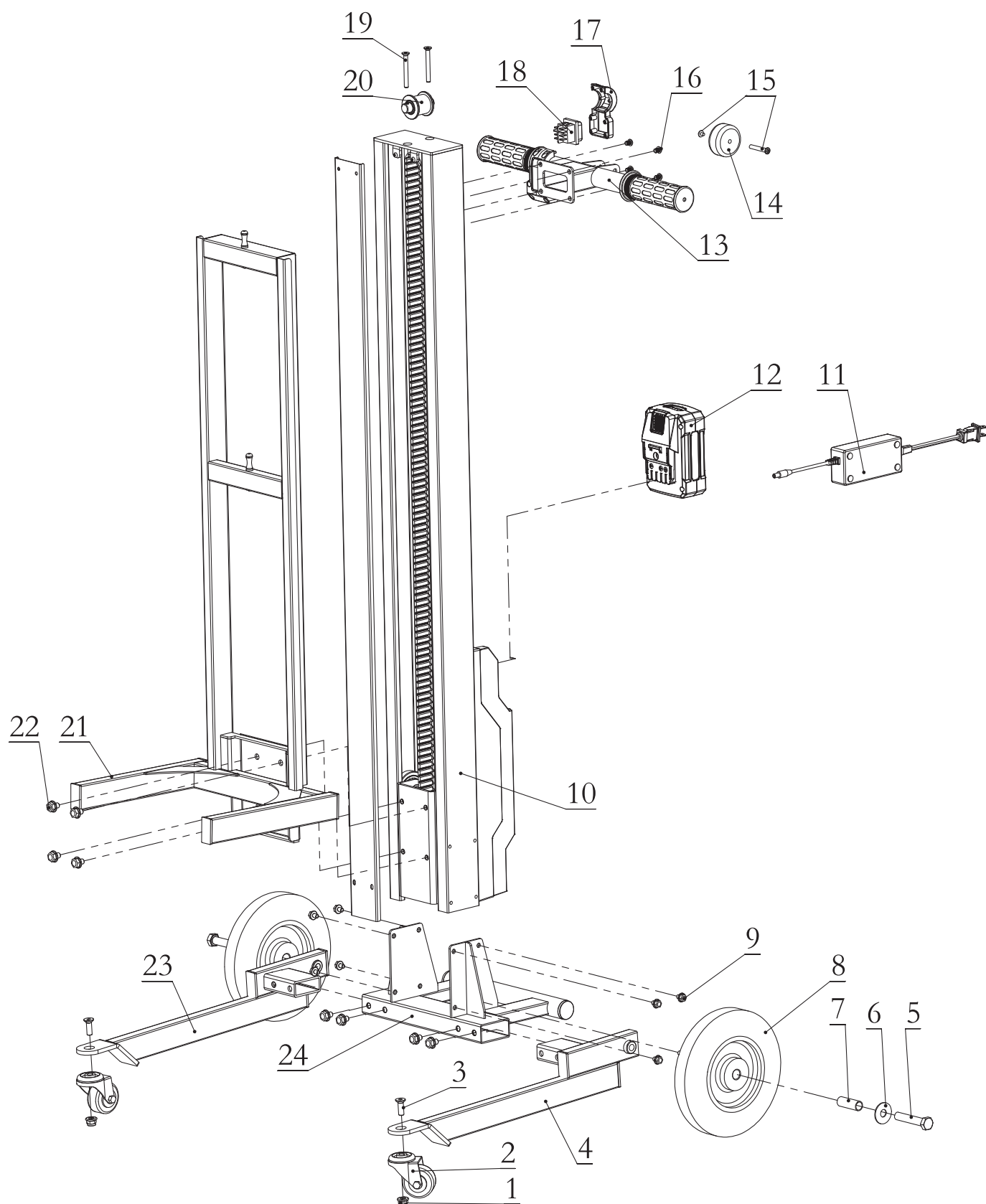
Transportation and Storage

- Secure the Pail Lifter properly during transport to prevent movement or tipping.
- Use appropriate straps or chains to fasten the lift to the transport vehicle.
- Regularly inspect and maintain Circuit control components, especially before and after transportation.
- Keep the lift in a dry location away from direct sunlight to prevent UV damage.

Warranty

Twelve (12) months for workmanship of the product, except for wearing parts. Warranty period starts from the product purchase date. Warranty covers material quality and workmanship only. Warranty does not cover product for issues caused by improper usage or any operation not in accordance with the specifications of this manual. Any modification or tampering with the product in any way voids the warranty.

Exploded and Parts List



Part No.	Description	Q'ty	Part No.	Description	Q'ty
1	M8 Nut	2	13	Handlebar Assembly	1
2	Front Wheel	2	14	Auxiliary Wheel	1
3	M8x25 Bolt	2	15	Shaft Hex Socket Screws	1
4	Left Support Leg	1	16	M6x8 Pan Head Bolt	4
5	M12x65 Bolt	2	17	Lift Control Switch Housing	1
6	φ12 Flat Washer	2	18	Lift Control Switch	1
7	Axle Sleeve	2	19	Belt Tensioner(Bolt)	2
8	Rear Wheel	2	20	Tensioner Pulley	1
9	M6x8 Bolt	8	21	Shelf Bracket	1
10	Main Frame	1	22	M8x10 Bolt	8
11	Battery Charger	1	23	Right Support Leg	1
12	Battery	1	24	Base	1



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