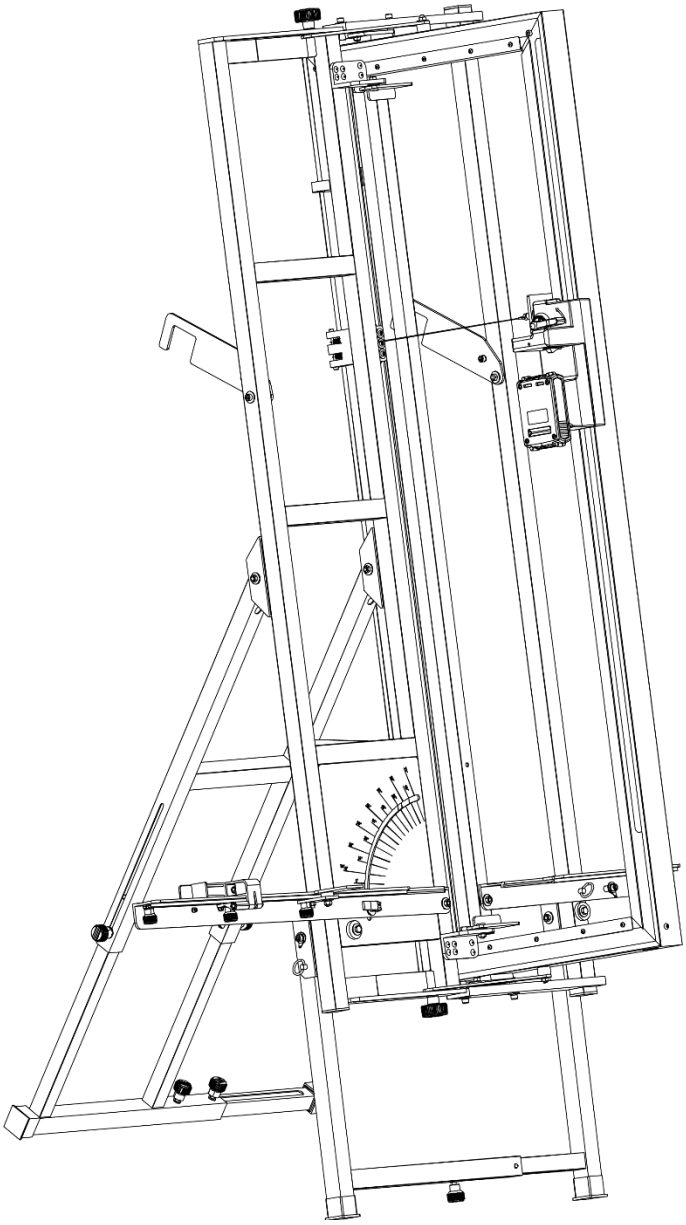
WoolCut™-V500

18V Vibrating Wire Insulation Cutting Station

User Manual



- Please read these instructions carefully before operation
- Take special note of the guidelines and safety prompts in these instructions to avoid injury to yourself, other people and objects, or damage to the tool.

1-844-TT-TOOLS
www.tapetech.com

TapeTech Tools
1327 Northbrook Parkway, Suite 400
Suwanee, GA 30024

Intended Use

The WoolCut™-V500 is designed and intended for use in cutting rigid and semi-rigid insulation, including RockWool, mineral wool, glass wool, polyurethane. EPS, XPS, phenolic foam, glass foam, and rubber foam.

Specifications

TOOL SPECIFICATIONS				
Vibration Frequency	1,500 strokes/min		Motor	18V DC Brushless
Max. Cutting Height	48.4" (1230mm)		Battery	18V 2.0 Ah
Max. Cutting Thickness	10.6" (270mm)		Closed Dimensions	62"x20"x7" (1585x520x150mm)
Max. Cutting Angle	70°		Open Dimensions	74"x24"x7" (1870x600x175mm)
Weight	34.8 lbs (15.8kg)			

BATTERY			CHARGER	
Rated Voltage	18V		Input Voltage	100-240V AC/50-60 Hz
Capacity	2.0 Ah LiIon		Output Voltage	21V
Weight	0.73 lbs (0.33kg)		Output Current	2.3 Amps
Features: Power Display			Weight	0.57 lbs (0.26kg)
Includes: Overload Protection			Charging Time	60 minutes

Charging the Battery

Note: The battery is partially charged on delivery

To ensure full battery capacity, charge the battery in the charger before the first use. Pay attention to the charge indicator on the charger; the red light indicates the battery is charging. The green light indicates the battery is fully charged. The LiIon battery can be recharged at any time without affecting the overall life of the battery. Interrupting the charging process – or partially charging the battery – does not damage the battery.

The battery is equipped with a temperature monitoring system that only allows for charging between 32° F and 113° F (0° C and 45° C)

Removing the Battery

The battery is equipped with a locking mechanism. As long as the battery remains inside the power head of the vibrating wire insulation cutter, it is held in position by a spring. To remove the battery, press the gray button and slide the battery off the power head. Do not use excessive force.

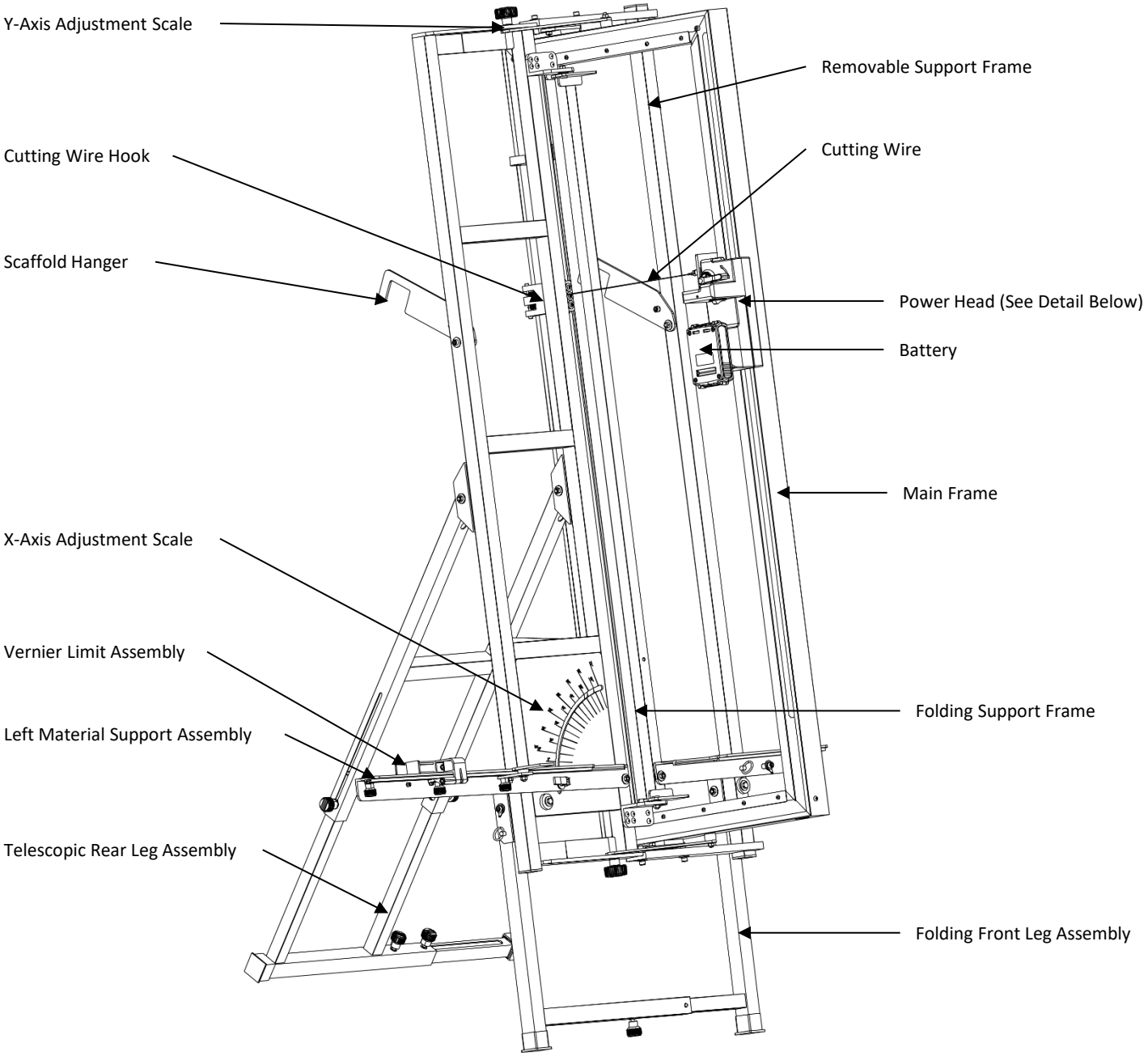
Notices Regarding Optimal Handling of the Battery

Keep the battery away from water or damp conditions. Store the battery at temperatures between 32°F and 113°F (0° – 45°C). Do not leave batteries in vehicles during periods of extreme heat or cold.

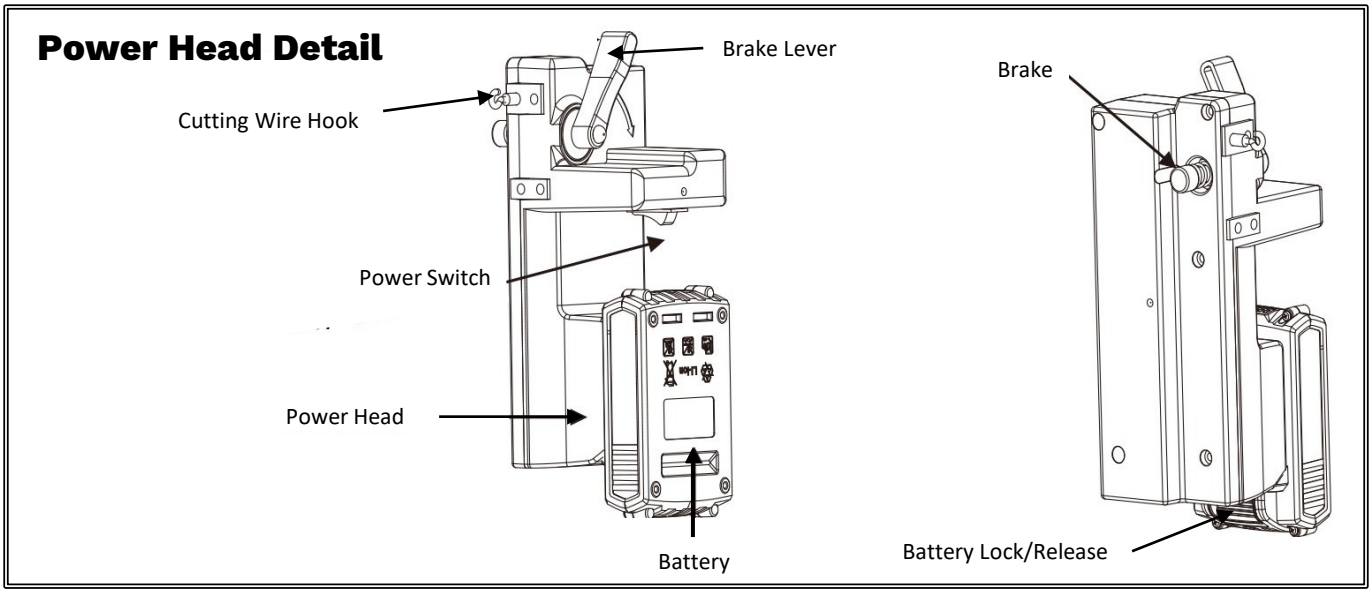
If the battery begins to operate for shorter and shorter periods of time following a recharge, the battery life is exhausted and the battery should be replaced.

Do not dispose of batteries in household waste. Do not throw batteries into water or fire. Batteries should be collected and recycled, or disposed of, in an environmentally-friendly collection and sorting center provided by your local municipality.

Key Components



Power Head Detail



General Safety

Please read all instructions and safety advisories. Failure to follow the instructions and advice can lead to electric shock, and/or serious injuries. Please save this document for future reference.

1. Workplace Safety

a) Ensure the workspace is clean and well-lit. Poorly lit and messy, or cluttered, workspaces can lead to accidents.
b) Do not operate the Vibrating Wire Cutter in areas with flammable liquids, gases or dust. Depending on the material being cut, the vibrating wire can create sparks which can ignite the liquid, vapors or dust.
c) Keep children and other persons away while operating the vibrating wire cutter. Distractions can result in loss of control and accidents.
d) Store the tool in a secure place when not in use. Do not allow persons not familiar with the tool, or persons who have not read this manual, to operate the tool.

2. Electric Safety

a) Avoid contact with grounded surfaces like pipes, heaters, cookers and refrigerators. If your body is grounded, an increased risk of electric shock exists.
b) Do not operate the Vibrating Wire Cutter in rain or high humidity areas. Water entering the Power Head would increase the risk of electric shock.
c) Do not operate the tool if the power switch is not operating properly. Replace the switch immediately.
d) Remove the battery before adjusting the tool, changing the cutting wire or storing the tool. This precaution prevents the inadvertent activation of the Vibrating Wire Cutter.

3. Personal Safety

a) Stay alert when operating the Vibrating Wire Cutter.
b) Avoid inadvertent activation of the Vibrating Wire Cutter. Be sure that the switch on the Power Head is turned off before connecting the battery to the tool.
c) Remove and safely store wrenches, screwdrivers and other adjusting tools before turning on the Vibrating Wire Cutter.
d) Wear appropriate clothing. Do not wear baggy or loose clothing or jewelry. Avoid placing your hair, clothes or gloves close to the vibrating wire during operation. Clothing, hair and jewelry can be caught up in the moving parts.
e) Be sure that any dust collection devices are properly connected and used correctly.
f) Wear appropriate personal protection equipment based on the material being cut.

4. Use and Handling of Battery-Powered Tools

a) Recharge the batteries provided with the Vibrating Wire Cutter using ONLY battery chargers approved by the manufacturer. Using unapproved chargers presents a risk of fire.
b) Use ONLY the batteries provided with the Vibrating Wire Cutter, other approved TapeTech batteries, or other approved batteries in conjunction with an approved battery adapter. Failure to comply may lead to fire and/or injury.
c) When the battery is not in use, keep it away from paper clips, coins, nails, screws and other small, metallic objects that could cause the battery contacts to connect. If the battery contacts short circuit, it may lead to burns or fire.
d) If used incorrectly, or if damaged, fluid may emerge from the battery. Avoid contact with that fluid. In the case of accidental contact with the body, promptly rinse the area thoroughly with water. If the battery fluid comes in contact with the eyes, immediately seek medical attention. Battery fluid can lead to irritation or burns of the skin. Check that any fluid that leaked did not coat adjacent parts of the tool. If this occurred, clean or replace the parts, as needed.
e) Do not open the batteries as this can lead to the risk of a shirt circuit.
f) If the battery becomes damaged, vapors may emerge from the battery. These vapors can lead to irritation of the respiratory system. Get fresh air immediately and seek further medical attention if symptoms persist.

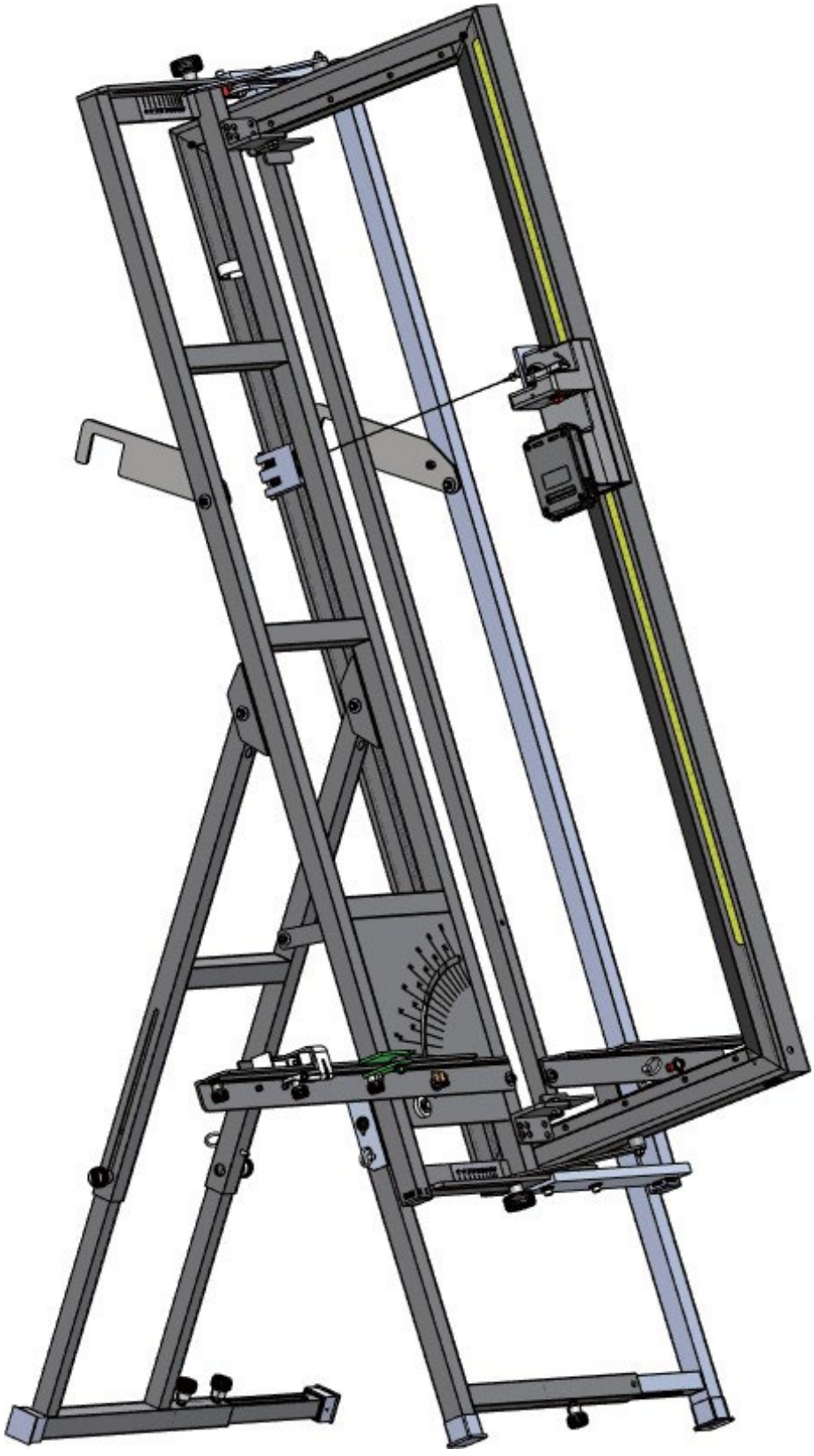
5. Vibrating Wire Cutter Safety

a) Do not overload the tool during use. Move the wire through the material at an appropriate speed based on density and thickness. Overloading the tool can cause the wire to jam in the material. If this occurs, immediately turn off the power switch.
b) Be sure the tool is positioned on solid ground that allows you to work from a stable position.
c) Hold the Power Head firmly with one hand during operation, while using the other hand to stabilize the material and the tool.

6. Maintenance and Service

a) Use ONLY original replacement parts when servicing the tool. Any maintenance should be performed by qualified personnel.

Unboxing and Initial Assembly

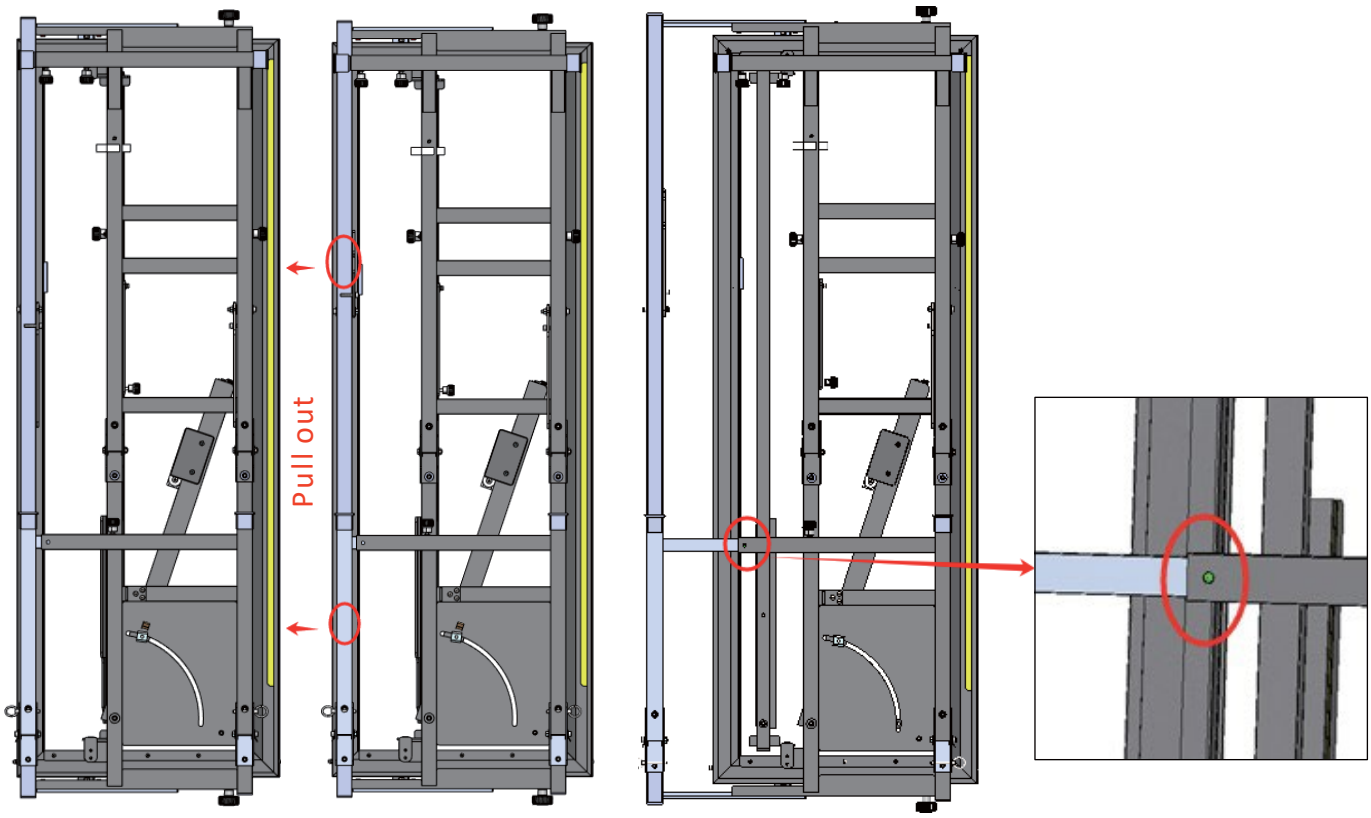


Bolt List:

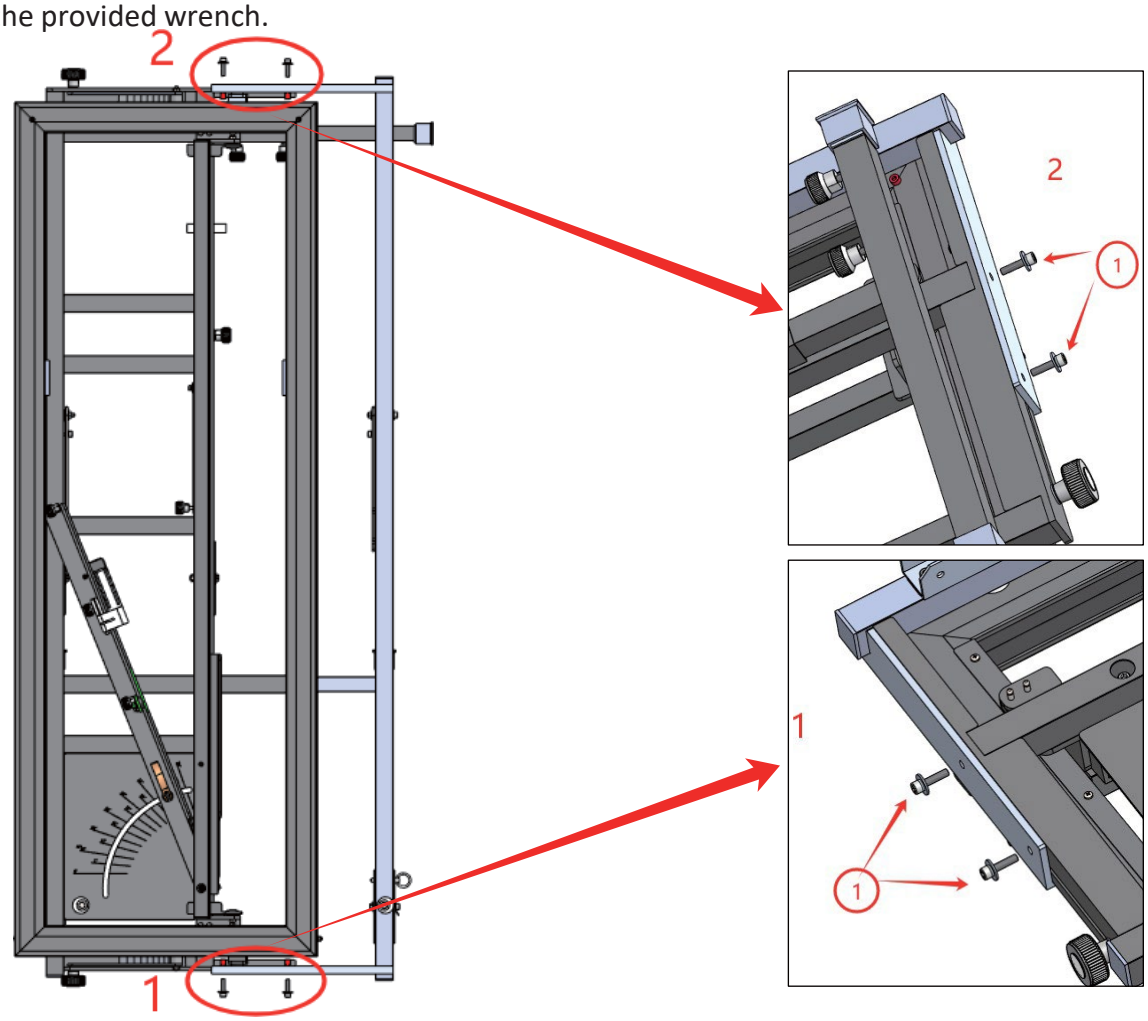
① M6X25 Hexagon socket bolt	X4
② M5X16 Hexagon socket bolt	X5

Initial Assembly – Removable Support Assembly

1. Pull the C-Shaped Removable Support Assembly outward. It is the only unattached piece of the tool in the box.

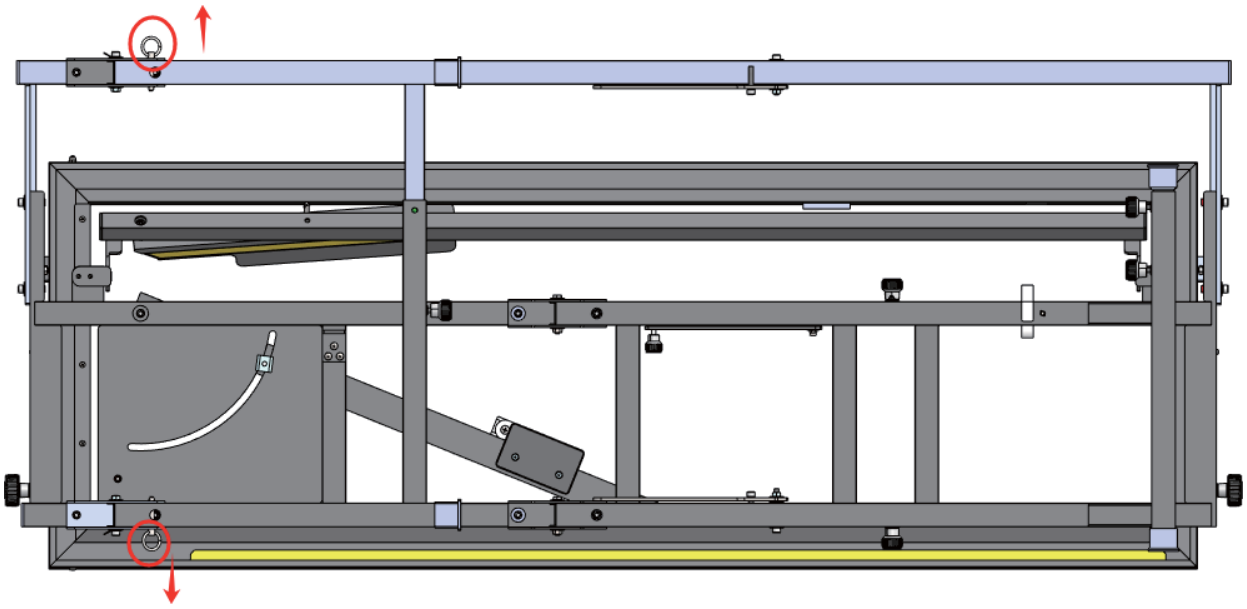


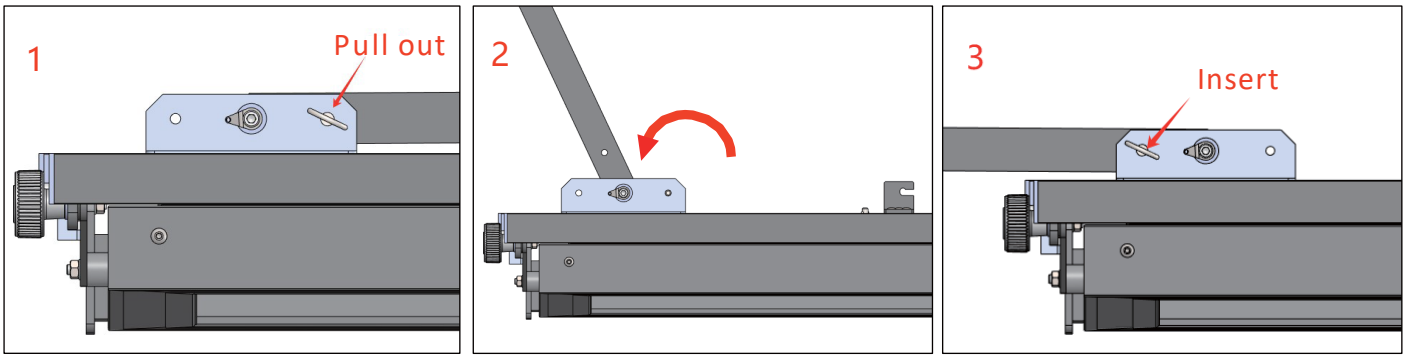
2. Align the holes in the support with the threaded inserts in the Main Frame and fasten using (4) M6x25 bolts and the provided wrench.

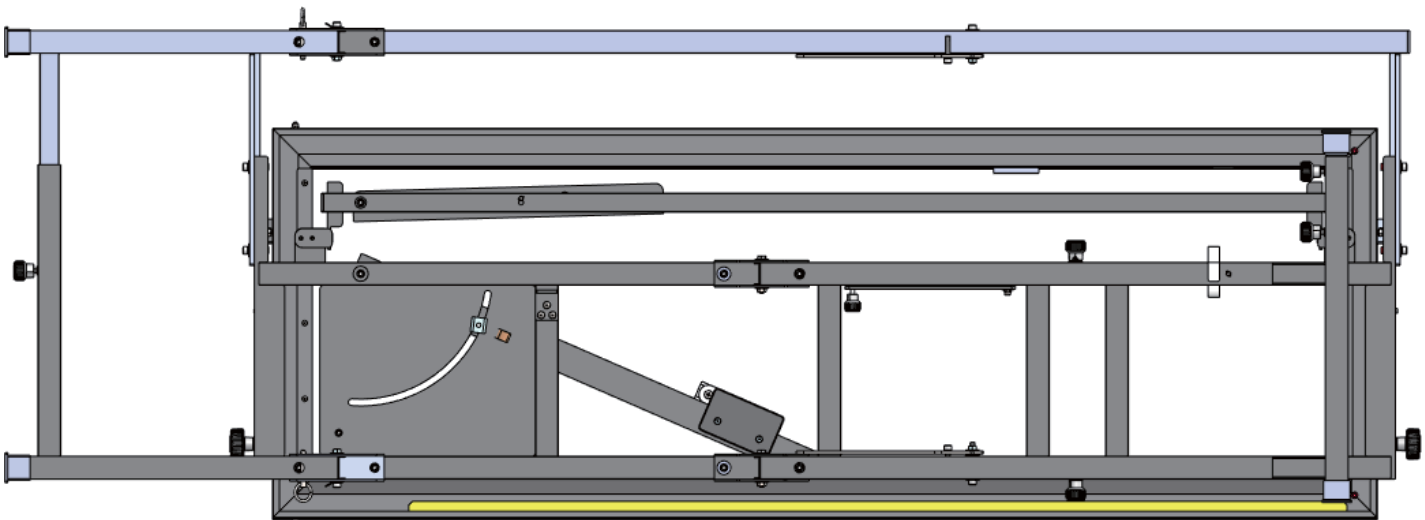


Initial Assembly – Front Leg Assembly

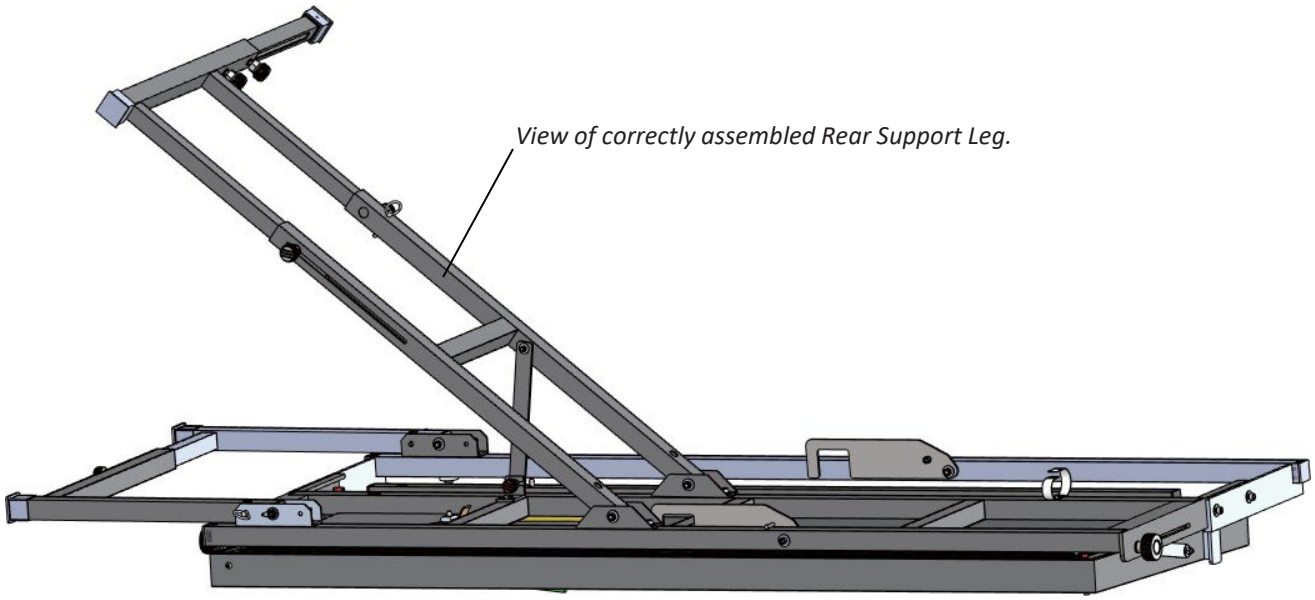
1. Expand the Front Leg Assembly by pulling the Pin and rotating the Leg Assembly downward. Reinstall the Pin in the lower hole of the Assembly.



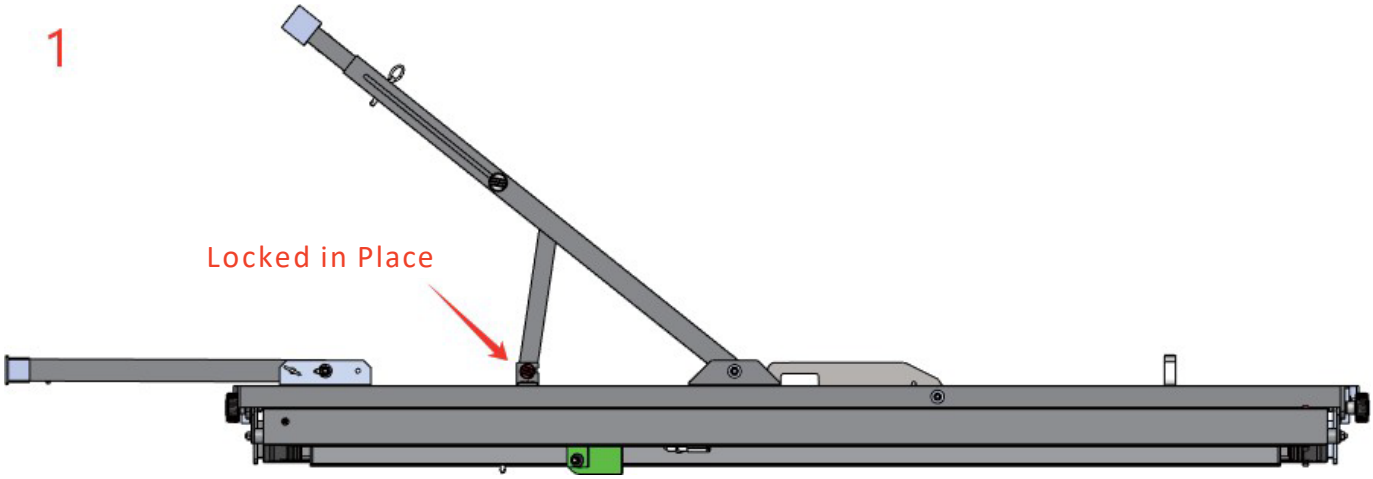




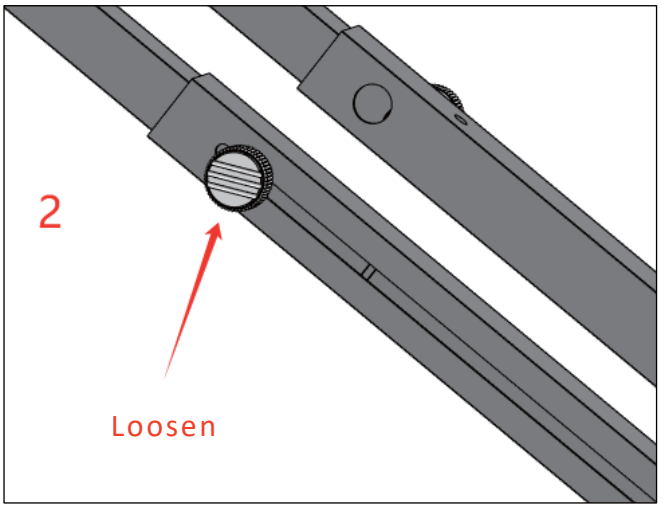
Initial Assembly – Rear Support Leg Assembly

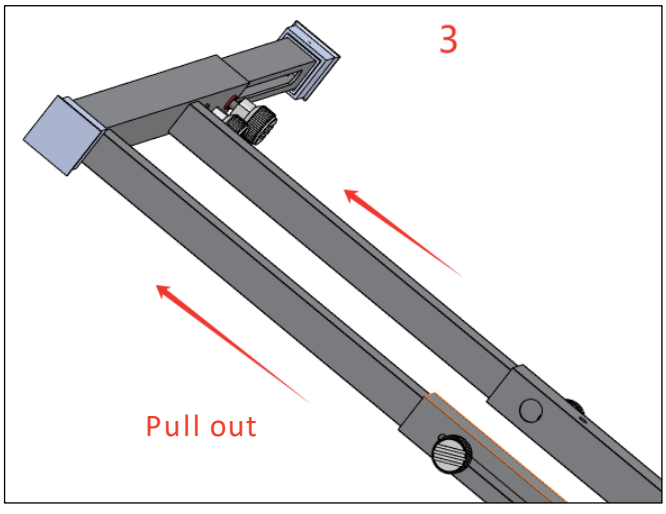


1. Expand the Rear Support Leg Assembly by lifting the Assembly away from the Main Frame, rotating the connection arm until it aligns with the catch, then tighten the knob to lock it in place (1).



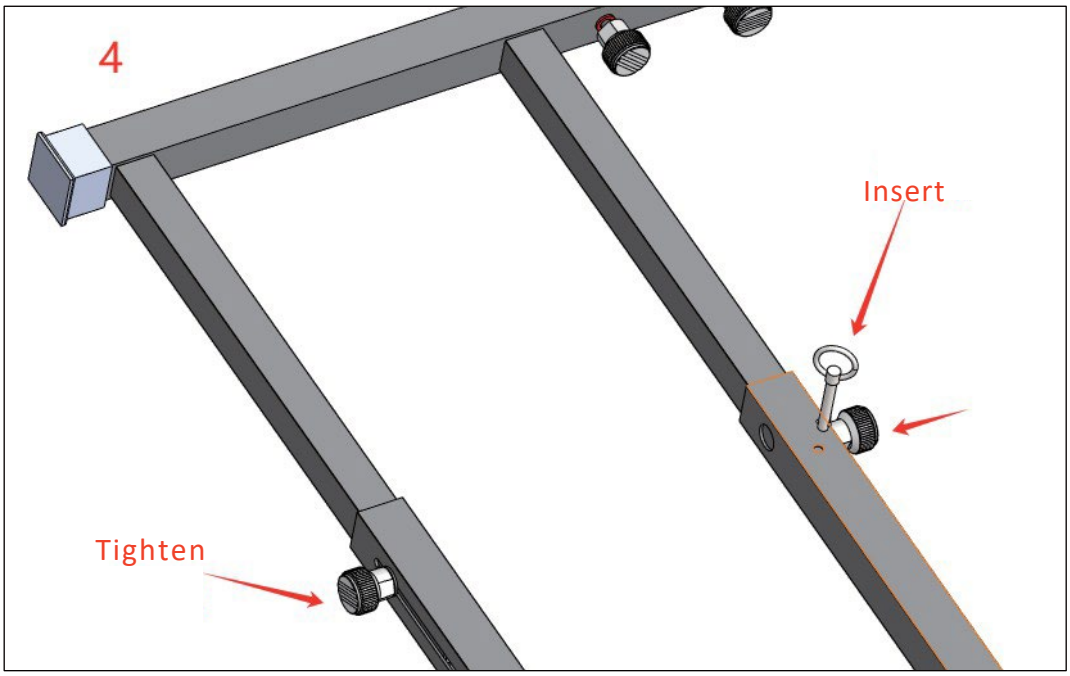
2. Loosen the two knobs on the sides of the Rear Support Leg Assembly (2) and slide the inner profiles outward (3).



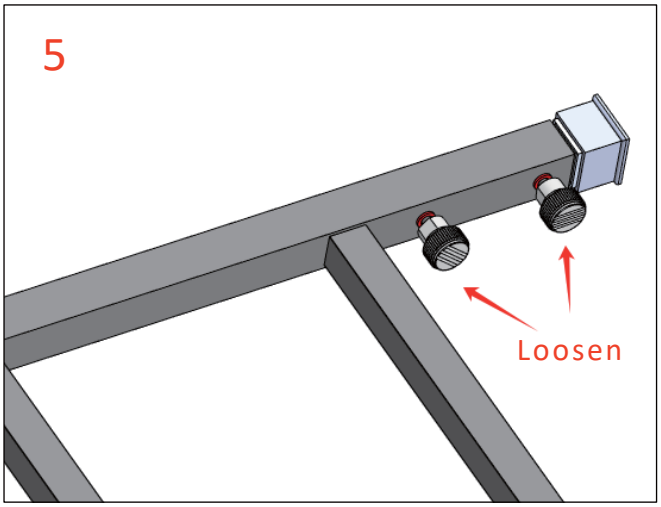


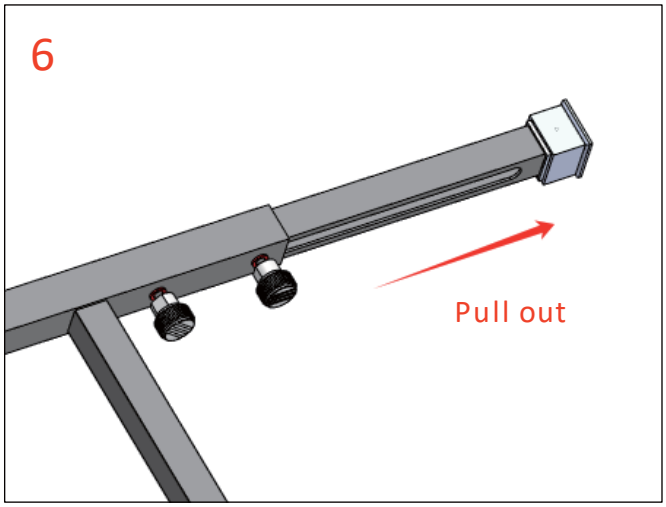
Initial Assembly – Rear Support Leg Assembly

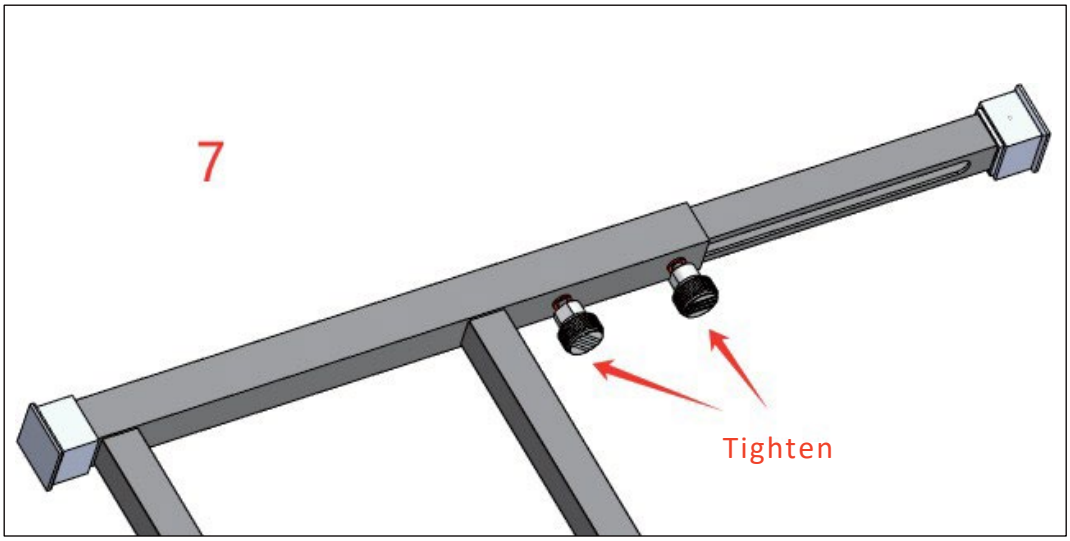
1. After expanding the Rear Support Leg, tighten the knobs on both sides and insert the pin to secure it (4).



2. Loosen the two knobs (5) on the bottom profile of the rear leg and slide the inner profile outward (6) to create a wide base of support for the tool. Tighten the two knobs (7) to secure it.

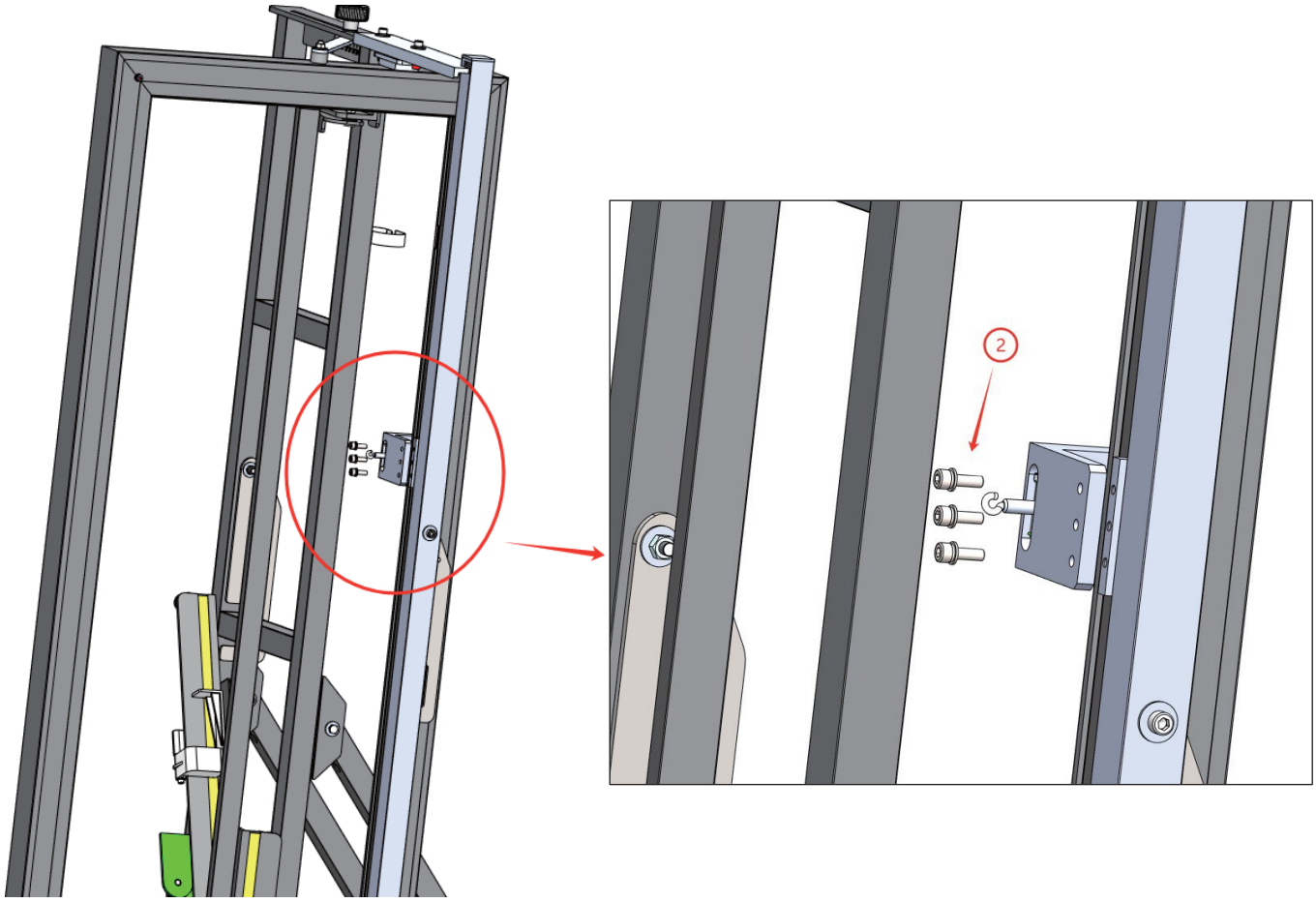




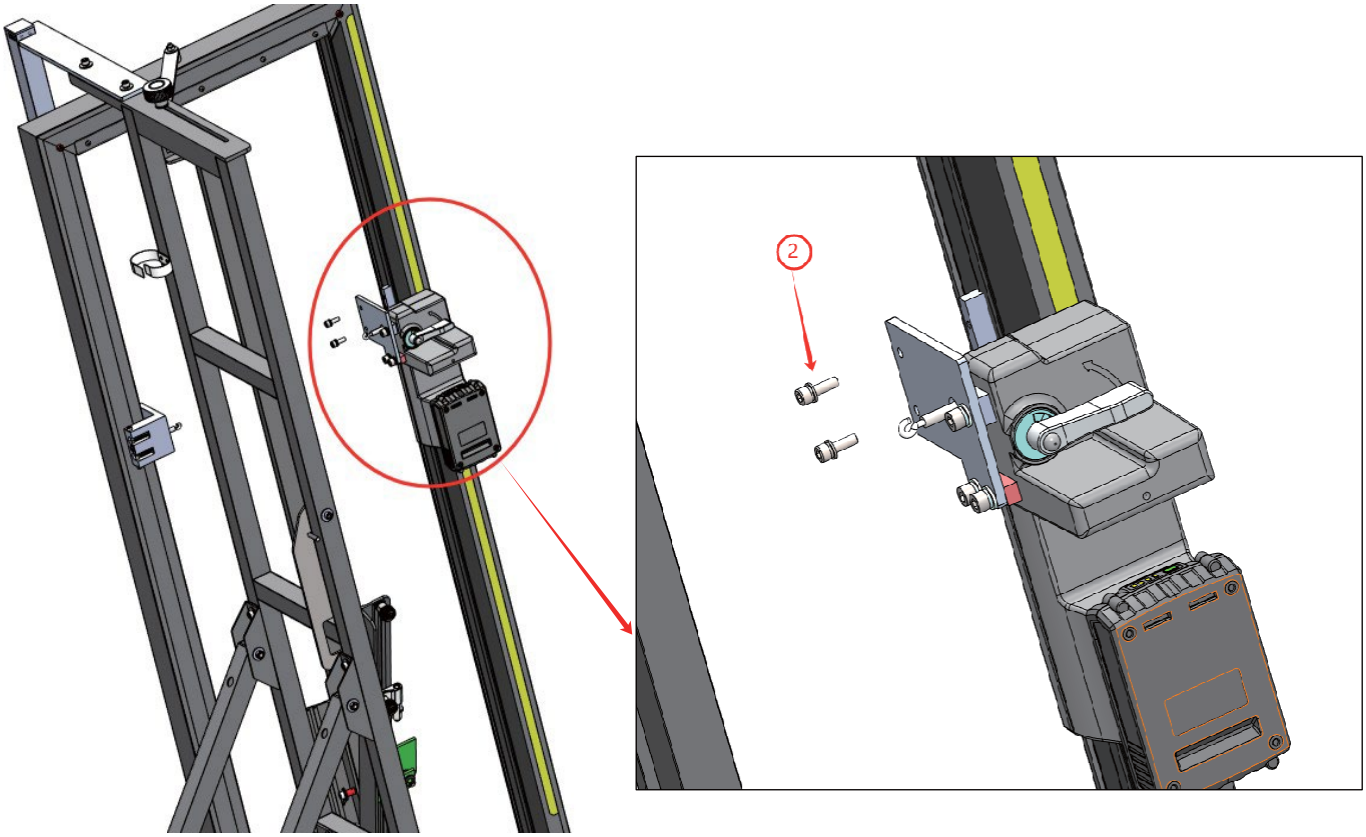


Initial Assembly – Attach the Power Head

1. Align the Cutter Wire bracket with the threaded holes on the rear profile of the Main Frame. Attach the bracket using (4) M5x16 bolts (2).

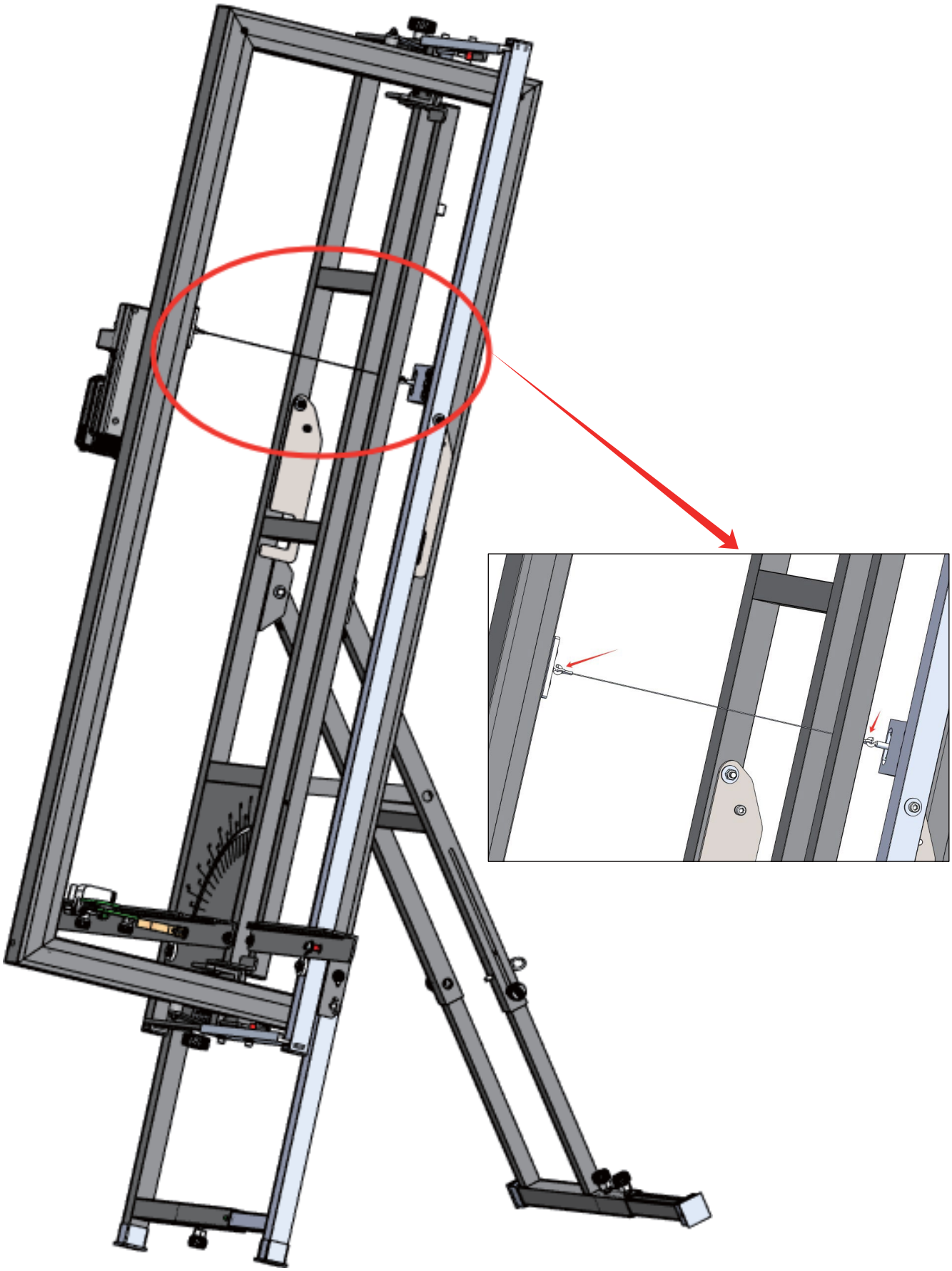


2. Align the Power Head and front Cutter Wire bracket with the threaded holes in the front profile of the Main Frame. Attach the assembly to the Main Frame using (2) M5x16 bolts.



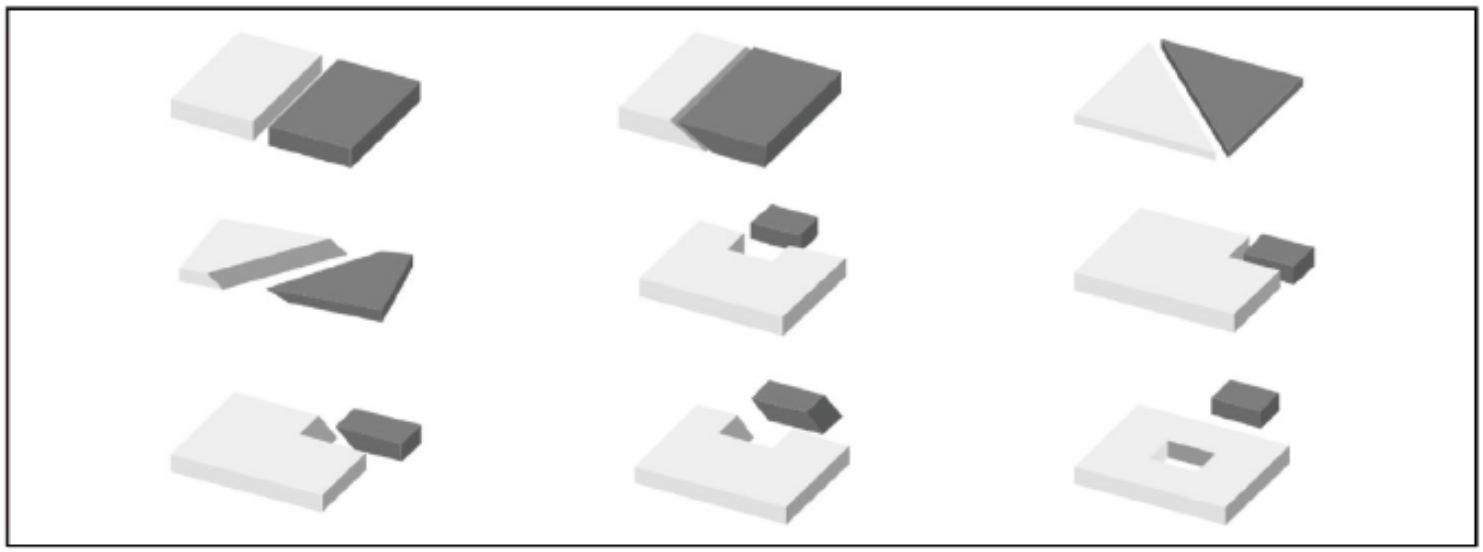
Initial Assembly – Attach the Cutting Wire

1. Attach one end of the Cutting Wire to the Rear Cutting Wire hook. Using small pliers or gloved fingers, pull the spring-loaded rear hook toward the front of the Main Frame and attach the other end of the Cutting Wire to the front hook.



Operation

The WoolCut-V500 is capable of making many different profiles of cuts.



1. Insert the battery into the Power Head.
2. Slide the Power Head to the top of the frame by releasing the brake lever, then apply the brake to hold the Power Head in position.
3. Set the miter and bevel angles, as needed.
4. Load the insulation onto the material support of the Vibrating Wire Cutter.
5. Measure and mark the required cut or use the ruler on the material support assembly to place the material in position.
6. Turn the power switch to the “ON” position.
7. Release the brake lever and move the vibrating wire into the material with a consistent and calibrated speed. Match the cutting speed to the thickness and density of the material being cut. Do not overload the tool.
8. Continue to move the wire through the cut until complete.
9. Return the Power Head to the original position and turn off the power switch.
10. Remove the cut material.

About the Cutting Wire

- The life of the Cutting Wire depends on many factors, including the thickness and density of the material being cut, and the experience of the user.
- When the wire is smooth, the abrasive grit has been exhausted, and the wire must be replaced.

  Note 1: depending on the thickness of the material, the wire may only be worn out on one end of the wire, In this case, the wire can be flipped and used until the other end is worn.

  Note 2: If the wire immediately moves off the cut line when it enters the material, the wire is exhausted.

Parts and Accessories

Part #	Description
WCW-1306	13.8" (350mm) 0.6mm Replacement Wire
EBAT1820	18V/2.0Ah Battery
EBAT1850	18V/5.0Ah Battery
EBAT1880	18V/8.0Ah Battery