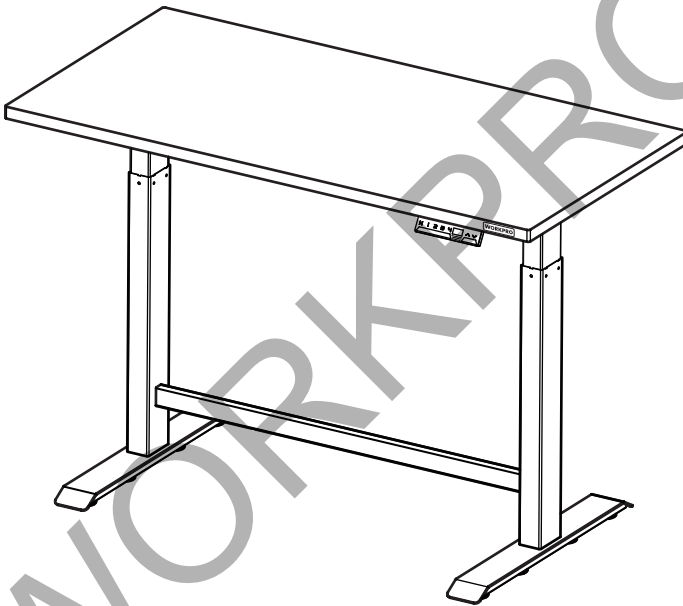


W082088AE

WORKPRO

48" ELECTRIC HEIGHT-ADJUSTABLE WORKBENCH



USE PRECAUTION
For your safety



INSTRUCTION
MANUAL
Read and understand



EYE PROTECTION
Must be worn



PROTECTIVE GLOVES
Must be worn when
assembly



CAUTION: Read and follow all Safety Rules and Operating instructions before first use of this product.

NOTE: Ensure all components are present. If any components are missing, do not proceed with assembly. Please send an email to service@greatstartools.com or call 877- 876-7562.

SAVE THIS MANUAL FOR FUTURE REFERENCE



Distributed by:
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www.greatstartools.com
MADE IN CHINA

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FOR YOUR SAFETY: CAREFULLY READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USE.

SAFETY INFORMATION

GENERAL SAFETY INFORMATION

This product has electric motors and is designed for use in dry work environments only. Risk of fire, electric shock, or personal injury if used outdoors or in a damp location. Indoor use only. This product is not designed for commercial nor industrial usage.

To reduce the risk of serious injury, read and follow the safety instructions below before assembling and using this product.

CAUTION!

- Check all nuts and bolts periodically for tightness. When required, tighten them.
- Keep children away from electric height-adjustable workbenches, control units and control panel. There is a risk of injury and electric shock.
- Do not lift this product directly with a forklift or tow with any mechanical devices.
- Do not exceed the maximum weight loading capacity of 500 lbs (227kgs). Keep the product on level surfaces.
- The product could become unstable and it may tip over if stored or moved on an uneven surface, which may cause personal injury, death or product damage.

WARNING!

- Make sure that the power supply is between 100V and 240V before plugging the control box into it.
- Make sure no obstacles are in the workbench's path.
- Make sure the woodtop is not touching any walls.
- Make sure all cords are appropriate length to accommodate the change in height.
- Do not open any of the components—the legs, control box, or control panel. There is a danger of electric shock.
- Keep all electrical components away from liquids. Do not damage the connection line and keep the plug in a safe position.
- Keep fingers and all body parts clear of the moving desk. Check surroundings on all sides before using the workbench to ensure there are no immobile obstacles within the workbench's range of motion. Ensure all cords are the appropriate length so they don't pull as the workbench moves.
- DO NOT alter this product in any manner.
- Any assembly or maintenance of the product must be carried out by adults only.
- Use at least two people to move or assemble this workbench. Failure to do so can result in personal injury or product damage.

DANGER!

- DO NOT stand on the product and do not use it as scaffold.
- Do not crawl or lie under the product.

SAFETY INFORMATION

GENERAL ELECTRICAL SAFETY:

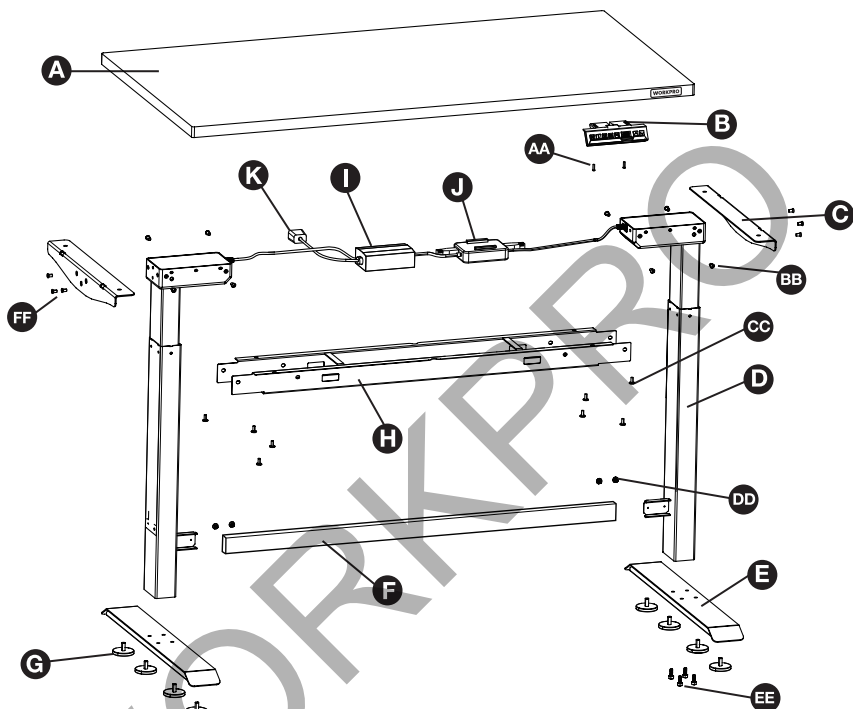
- Keep power switches in the OFF position before plugging or unplugging from the wall outlet.
- Do not plug power cords into an extension cord.
- Inspect power cords for damage before each use. Do not use cords that are damaged.
- Unplug power cord from electrical outlet by gripping the plug-do not unplug by pulling only on the cord.
- Do not step on, drive over, drag, or place objects on power cords.
- For added safety, plug into a grounded outlet controlled by a GFI (Ground Fault Interrupter) circuit breaker.
- Damaged electrical components can create significant hazards to users. Repairs should always be performed by a qualified electrician.
- Electrical devices are not toys. Children are often unaware of the hazards associated with electrical devices. This workbench must always be used by adults or with adult supervision.
- Do not plug cord into outlet with wet hands.
- Do not use this workbench near a bathtub, a shower, or a swimming pool.
- Workbench plugs must match the outlet.
- Never modify the plug in any way.
- Unmodified plugs and matching outlets will reduce the risk of electric shock.
- Avoid body contact with earthed or grounded surfaces. There is an increased risk of electric shock if your body is earthed or grounded.

SPECIFICATIONS

Maximum load of workbench	500 lbs (227kg)
The size of table	48" x 24" x 1" (1219 x 609.6 x 25.4mm)
Adjust height of workbench (included leveling feet)	28.7" – 48.4" (72.9 – 122.9cm)
Rated input	100-240V ~ 50/60Hz, 2.0A
Rated Output	29V  3.0A , 87W
Motor type	Dual motor
Duty Cycle	20%,Max,4 min operate/Min. 16min stop
Adjustable speed	0.47"/s (12mm/s)
Protection class	
Noise	<50dB

PACKAGE CONTENTS

Ensure all components are present. If any components are missing, do not proceed with assembly. Please send an email to service@greatstartools.com or call 877- 876-7562.

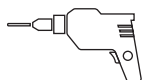


TOOLS REQUIRED (INCLUDED):



4mm Hex Key

TOOLS REQUIRED (NOT INCLUDED):



Electric Drill



PH2 Screwdriver

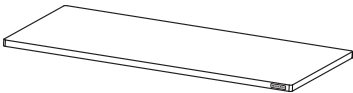
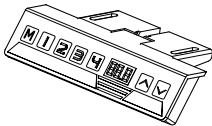
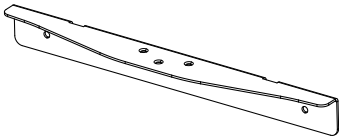
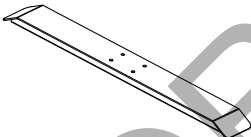
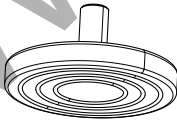
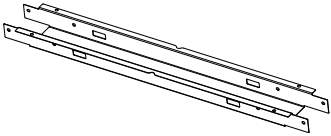
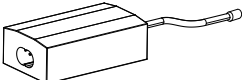


Protective Gloves

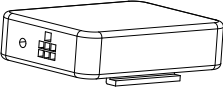
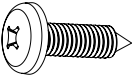
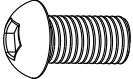
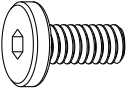
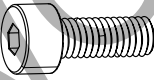


Level

PACKAGE CONTENTS

#	PIC	DESCRIPTION	QTY
A		Wood top	1
B		Control panel	1
C		Connecting plate	2
D		Leg	2
E		Foot	2
F		Support rail	1
G		Leveling foot	8
H		Top rail	1
I		Power adapter	1

PACKAGE CONTENTS

#	PIC	DESCRIPTION	QTY
J		Control box	1
K		power cord	1
AA		#4 x 12mm Phillips head self-tapping screw	2
BB		M6 x 12mm Inner hexagonal at head bolt	8
CC		M6 x 14mm Inner hexagonal at head bolt	8
DD		M6 x 8mm Inner hexagonal at head bolt	4
EE		M6 x 16mm Inner hexagonal at head bolt	8
FF		M6 x 8mm Inner hexagonal at head bolt	6
GG		Cable Clip	5
HH		Glue pad	1

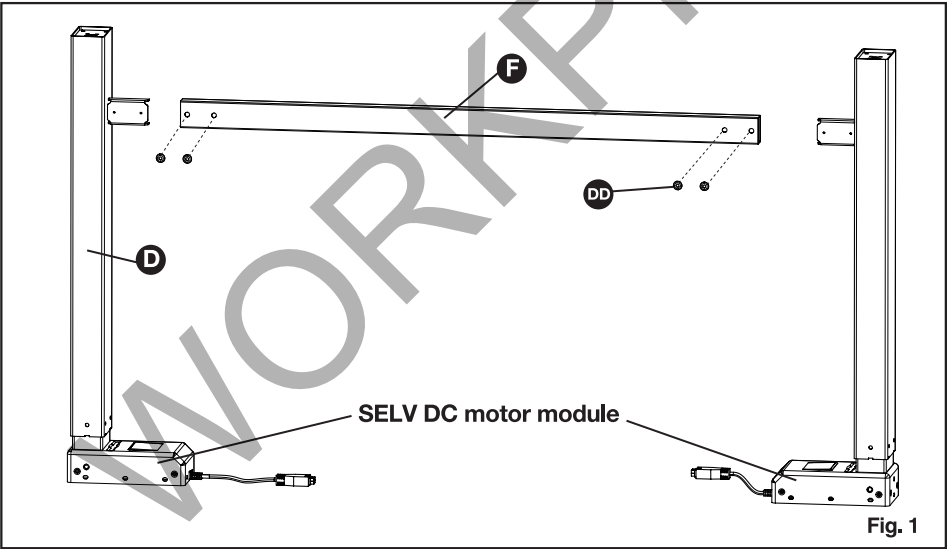
ASSEMBLY

NOTE:

- Assemble on a flat surface. A piece of cardboard is recommended to keep the product from being scratched during assembly.
- Determine the front and back of the wood top (A) before starting. The front of the wood top (A) has the WORKPRO badge on the edge.
- Begin product assembly close to the final intended location of your workbench. This product is heavy and may be difficult to move after assembly.
- The power cord included is approximately 98" (2.5m) long. Workbench should be positioned close enough to a wall outlet or power strip that provides enough slack in the cord while in operation (raising and lowering worksurface).
- Two people are recommended for assembly.

STEP 1: SUPPORT RAIL ASSEMBLY

- Place the SELV DC motor modules of legs (D) on a flat surface.
- Attach two legs (D) to the support rail (F) with four M6 x 8mm inner hexagonal at head bolts (DD), and tighten with a supplied 4mm hex key.



PART	D	F	DD
DESCRIPTION	Leg	Support rail	M6 x 8mm Inner hexagonal at head bolt
QTY	2	1	4

ASSEMBLY

STEP 2: FEET ASSEMBLY

Attach two feet (E) to the legs (D) with eight M6 x 16mm inner hexagonal at head bolt (EE), and tighten with a supplied 4mm hex key in a cross pattern.

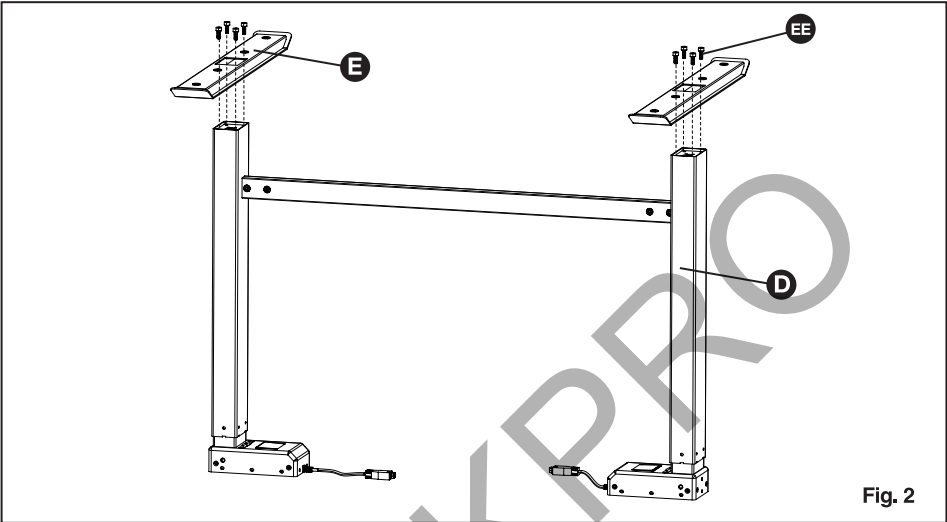


Fig. 2

PART	D	E	EE
DESCRIPTION	Leg	Foot	M6 x 16mm Inner hexagonal at head bolt
QTY	2	2	8

STEP 3: LEVELING FEET ASSEMBLY

Screw eight leveling feet (G) clockwise to the feet (E).

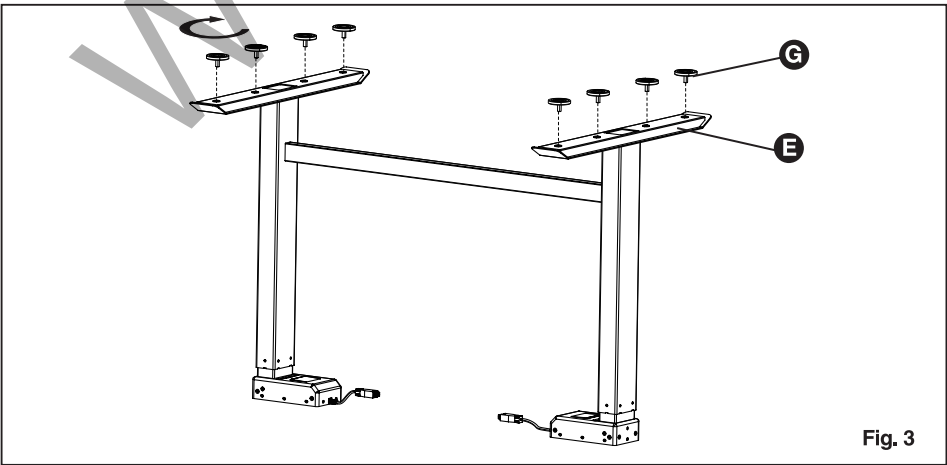


Fig. 3

ASSEMBLY

PART	E	G
DESCRIPTION	Foot	Leveling foot
QTY	2	8

STEP 4: TOP RAIL ASSEMBLY

Attach the top rail (H) to the legs (D) using eight M6 x 12mm inner hexagonal at head bolts (BB) and tighten the bolts (BB) with supplied 4mm hex key.



NOTE:

Do not tighten the bolts completely at step 5 and go back later for a final tightening of all the bolts after the top rail (H) and legs (D) are aligned with each other.

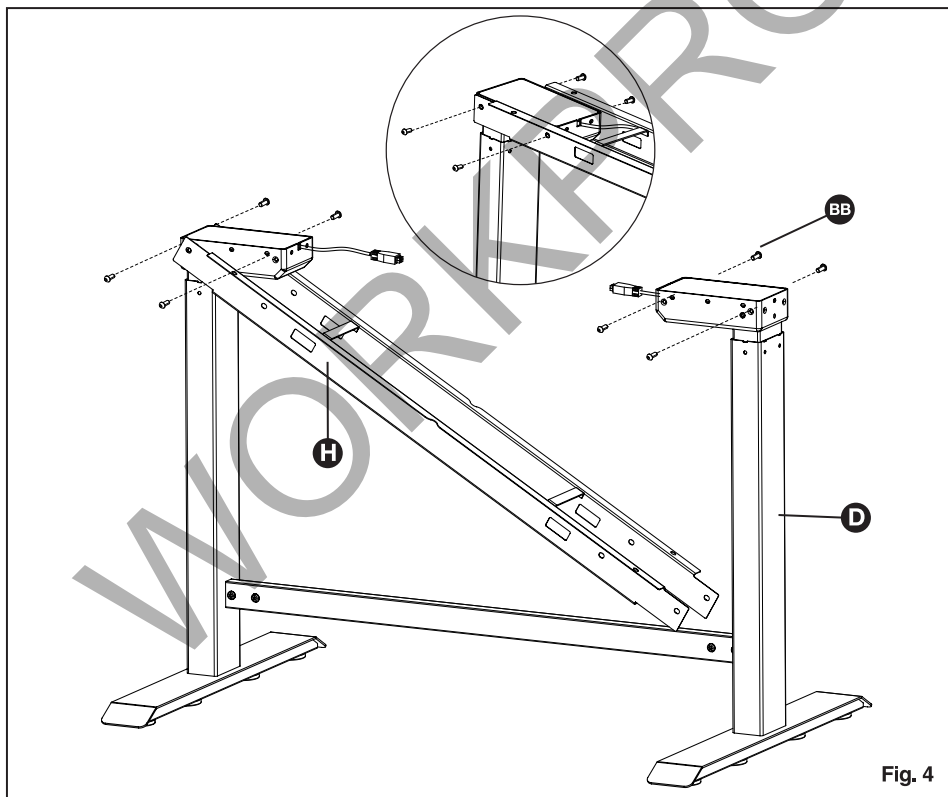


Fig. 4

PART	D	H	BB
DESCRIPTION	Leg	Top rail	M6 x 12mm Inner hexagonal at head bolt
QTY	2	1	8

ASSEMBLY

STEP 5: CONNECTING PLATES ASSEMBLY

- Stand the legs in its upright by using two or more people.
- Attach the connecting plates (C) to the top of legs (D), using six M6 x 8mm inner hexagonal at head bolts (FF) and tighten to desired tightness with supplied 4mm hex key. Make sure the top surface of connecting plate (C) is parallel to the foot(G).



NOTE:

Do not tighten the bolts (FF) completely before step 7.

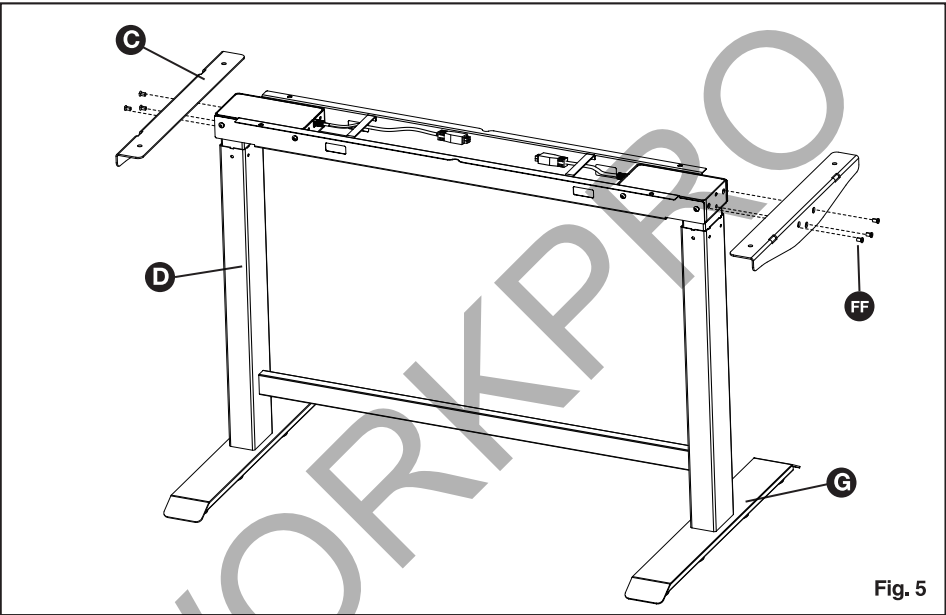


Fig. 5

PART	C	D	FF
DESCRIPTION	Connecting plate	Leg	M6 x 8mm Inner hexagonal at head bolt
QTY	2	2	6

ASSEMBLY

STEP 6: AC/DC POWER ADAPTER AND CONTROL BOX CONNECTION

- Connect the control panel (B) to the control box (J) across the hole on the top rail (H).
- Connect two connection cables on legs (D) to the control box (J).
- Plug the AC/DC adapter (I) connection cable to the control box (J).
- Plug the power cord (K) to the AC/DC adapter (I) across the hole on the top rail (H).
- Take a glue pad (HH) on the back of control box (J) and adhere the control box (J) into the top rail (H).

i NOTE:

- The control box (J) in workbench is equipped with gyro sensor. Make sure the control box (J) is level and without movement.
- Motor connection cables of legs can connect to either port of control box (J) interchangeably.

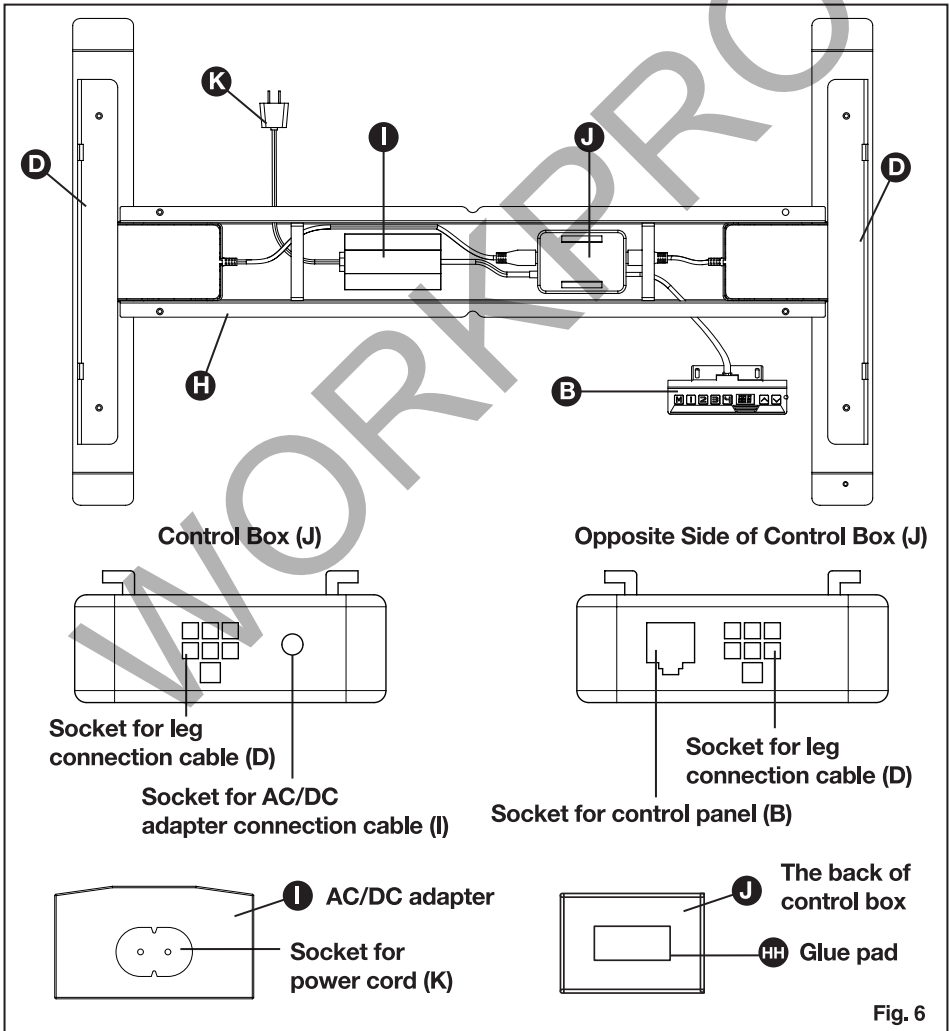


Fig. 6

ASSEMBLY

SETP 7: WOOD TOP AND CONTROL PANEL ASSEMBLY

- Place the workbench frame upside down by two or more people.
- Attach the workbench frame to the wood top (C) with eight M6 x 14mm inner hexagonal at head bolt (CC), and tighten the bolts to desired tightness with the supplied 4mm hex key.
- Attach the control panel (B) to the wood top (C) with two #4 x 12mm Phillips head self-tapping screws (AA), and tighten the screws to desired tightness with a power drill.

NOTE:

- Tighten all the bolts(CC and FF).
- Do not overtighten the bolts and screws into the wood top to avoid damaging the wood top.
- The control panel can be placed on the workbench's right or left side as you like.
- You can use the included cable clips (GG) to secure the control panel cord to the underside of the woodtop to keep it out of the way.

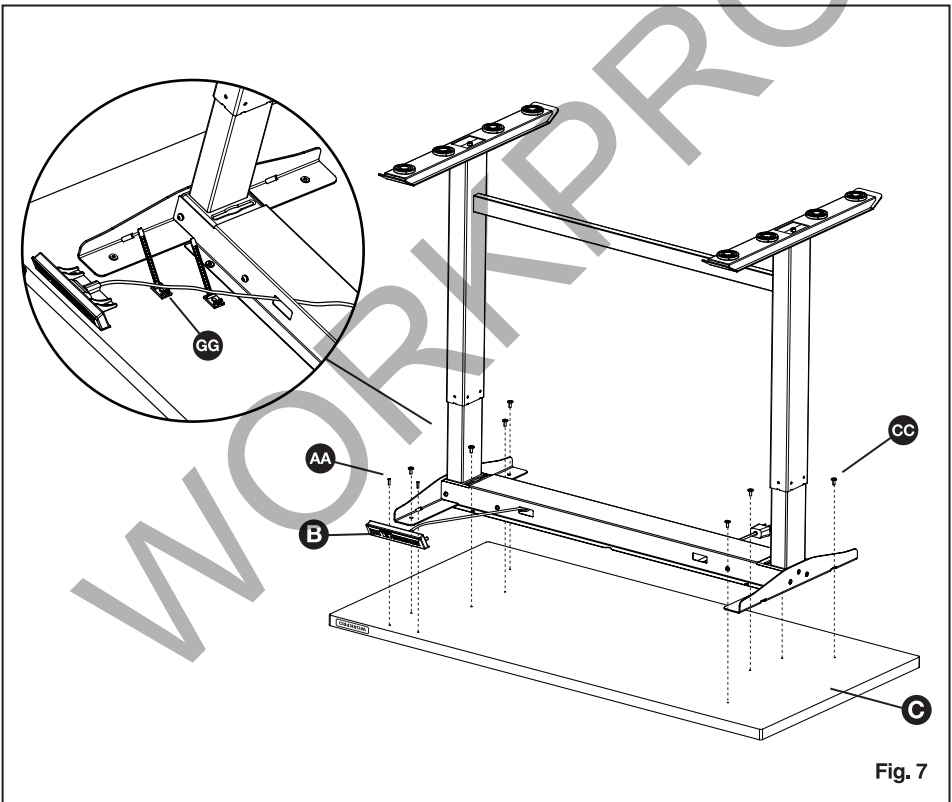


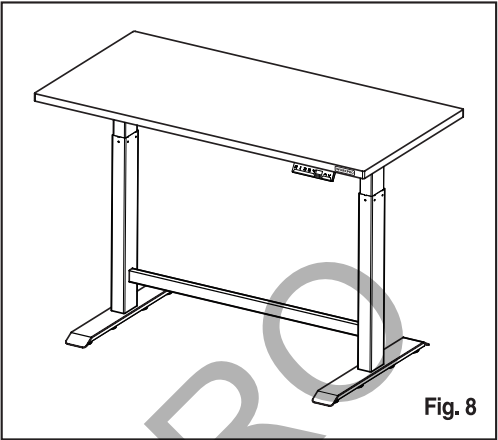
Fig. 7

PART	B	C	AA	CC	GG
DESCRIPTION	Control panel	Wood top	#4 x 12mm Phillips head self-tapping screw	M6 x 14mm Inner hexagonal at head bolt	Cable clip
QTY	1	1	2	6	5

ASSEMBLY

STEP 8: ASSEMBLY IS COMPLETE

Stand the legs in its upright by using two or more people.



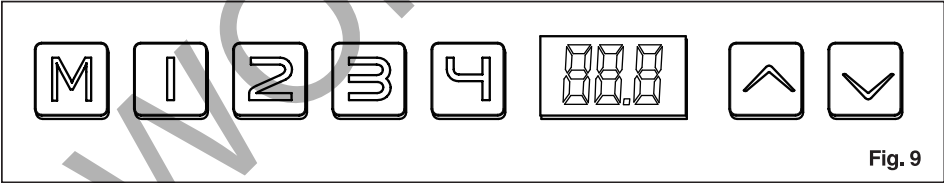
OPERATION

NOTE:

- Before Plugging the power cord of workbench into the outlet, make sure that
- The legs are level and set at the lowest position.
 - All the bolts and screws are tightened, to avoid the workbench making noise and wobbling.

1. CONTROL PANEL

You can press the buttons of control panel to adjust the height of workbench. The LED display shows the real time value. The range of the height value: 28.7" - 48.4" (72.9-122.9cm).



BUTTON VIEW								
QUICK START	SAVE button	Position 1	Position 2	Position 3	Position 4	LED Display	UP Button	DOWN Button

OPERATION

NOTE:

If the control panel is used for the first time, please reset the system before any normal operation.

1.1 RESET THE SYSTEM

To reset the system, press and hold the **DOWN button** until the LED display shows "RST". The workbench start moving downward to the lowest position and stay **5s**. Never release the button and until you hear a beep and the LED display shows the current height. The reset process is finished.

1.2 UP AND DOWN BUTTON

Press and hold the **UP** or **DOWN button** to raise or lower the workbench to your desired height.

1.3 MEMOMRY POSITION SETTING

- Adjust the workbench to the desired height that you want to save by pressing the **UP button** or **DOWN button** to raise or lower the workbench height.
- To store a memory position, press "**M**" **SAVE button** and the LED display shows "**S-**" and "**-**" flashes, then press "1" to save the 1st height position. The LED display shows "**S1**" and then shows the current height.
- Repeat the previous steps to save the 2nd, 3rd and 4th height position.
- Press "1", "2", "3", "4" to automatically reach the height saved.

1.4 UPPER & LOWER LIMITS SETTING

The height settings range is 28.7-48.4 inches (72.9 – 122.9cm). If you prefer to change the settings to a narrower range, follow these steps:

- To set the upper-limit position, press "**M**" **SAVE button** and **UP button** simultaneously for **5s** and the buzzer sounds. The new upper limit is set.
- To set the lower-limit position, press "**M**" **SAVE button** and **DOWN button** simultaneously for **5s** and the buzzer sounds. The new lower limit is set.
- To remove upper or lower limit positions, press "**M**" **SAVE button** and **UP** or **DOWN button** simultaneously for **5s** and the buzzer sounds. The upper and lower limits are removed.

NOTE:

- A RESET procedure requires the workbench base to fully retract (beyond any lower limit set). Please ensure that you have the proper clearance below the workbench base.
- After the upper and lower limits are set, the previous memory positions (1, 2, 3, 4) may be outside the new range of movement. If so, simply reset the memory positions.
- If you attempt to revise a previously set upper or lower limit and it is outside of the existing range, you will need to remove the previously set upper/lower limits first.

1.5 INCH AND CENTIMETER UNIT SELECTION

- To toggle from inch to centimeter on the display, hold down the "**M**" **SAVE button** for **10s** and the LED display shows "**x-y**" and "**y**" flashes. Then press the "**M**" **SAVE button** and set the value of "**x**", and press the UP/DOWN button to set the value of "**y**".
"1-0" means centimeter unit;
"1-1" means inch unit;
- Hold down the "**M**" **SAVE button** for **10s** and return to the operation.

OPERATION

1.6 CONTROL PANEL LOCK AND UNLOCK



- To lock the control panel, press **UP button** and **DOWN button** simultaneously for **5s** and the LED display shows "**Loc**".
- To unlock the control panel, press **UP button** and **DOWN button** simultaneously for **5s** and the LED display shows the height number.

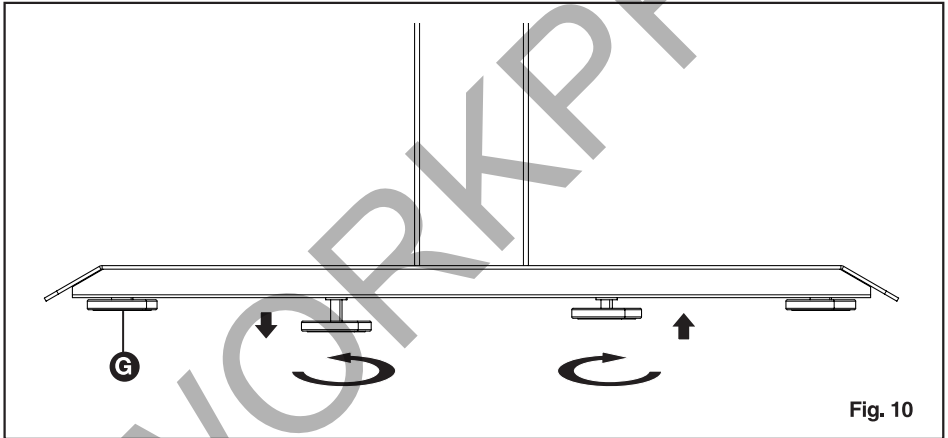
2. LEVELING FOOT ADJUSTMENT

- Each leveling foot (G) can be adjusted independently for fine tuning.
- Turn the leveling feet (G) counterclockwise to elevate and clockwise to lower the leveling foot.
- Use a level to make sure the workbench is even.



NOTE:

DO NOT put weight on workbench yet. Screw the leveling feet in and out as necessary to ensure the workbench stands level.



TROUBLESHOOTING

This list is used for checking and solving common faults and errors. Please contact the manufacturer if problem you encounter is not on the list below.

FAULTS	SOLUTION
No response when press and hold the DOWN button	1. Check all cables connected well.
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
No response when press UP button and DOWN button	1. Check all cables connected well.
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
Speed of raising is slow	1. Check if the loading weighs more than 500 lbs (227kgs).
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
Motor does not work properly	Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
Can raise but cannot lower down	1. Start the reset process.
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
Worksurface downward sliding	1. Check if the loading weighs more than 500 lbs (227kgs).
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
Automatically reset a lot	1. Check if the loading weighs more than 500 lbs (227kgs).
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
Overworked beyond duty cycle: Max 4 min on/16 min off/ HOT is displayed on the panel	1. Keep the power on and stop working for 16 minutes.
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com
The distance raised or lowered is not accurate	1. Start the reset process.
	2. Contact the Customer Service Center at 877-876-7562 or service@greatstartools.com

ERROR CODES

CODE	DESCRIPTION	SOLUTION
E1	Overvoltage protection	Unplug the power cord, then plug the power cord after 5mins
E2	The height deviation between legs exceeds 1cm	Start the reset process
E3	Control panel is not connected	1. Plug the control panel 2. Change the control panel or control box
E4	Control panel communication error	1. Check whether the control panel is connected properly 2. Check If the control panel is connected properly, then change the control box
E6	Power supply on is failed	1. Unplug the power cord, then plug the power cord after 3mins 2. Change the control box
E7	Protection when power supply is running	1. Unplug the power cord, then plug the power cord after 3mins 2. Change the control box
E8	Worksurface is tilted when it is running	Replug the power cord after 5mins set process
HOT	Temperature of power supply is too high	1. Cool down the power and operate after 16min 2. Unplug the power cord, then plug the power cord again
E11/E21	Motor not connected	1. Check the connection cable of leg 2. Change the leg
E12/E22	Motor current sampling channel error	1. Check the connection cable of leg 2. Change the control box
E13/E23	Motor is lack of phase line	1. Check whether the connection cable of leg is connected properly 2. Change the leg
E14/E24	Motor hall errors, or hall is broken	1. Check whether the connection cable of leg is connected properly 2. Start the reset process 3. Change the leg
E15/E25	Internal short circuit in motor	1. Start the reset process 2. Change the leg
E16/E26	Motor is locked-rotor	1. Start the reset process 2. Reduce the load 3. Change the leg
E17/E27	Motor runs in the wrong direction	1. Start the reset process 2. Reduce the leg
E18/E28	Overload	1. Start the reset process 2. Reduce the load 3. Change the leg

CLEANING AND MAINTENANCE

- Before cleaning, you have to unplug the power supply cable.
- Wipe with a dry cloth as needed to remove dust and dirt.
- Avoid contact with corrosive substances like acids, alkaline or similar substances.

CUSTOMER SERVICE

If you are having difficulty in using this product and require support, please send an email to service@greatstartools.com or call 877-876-7562.

WORKPRO