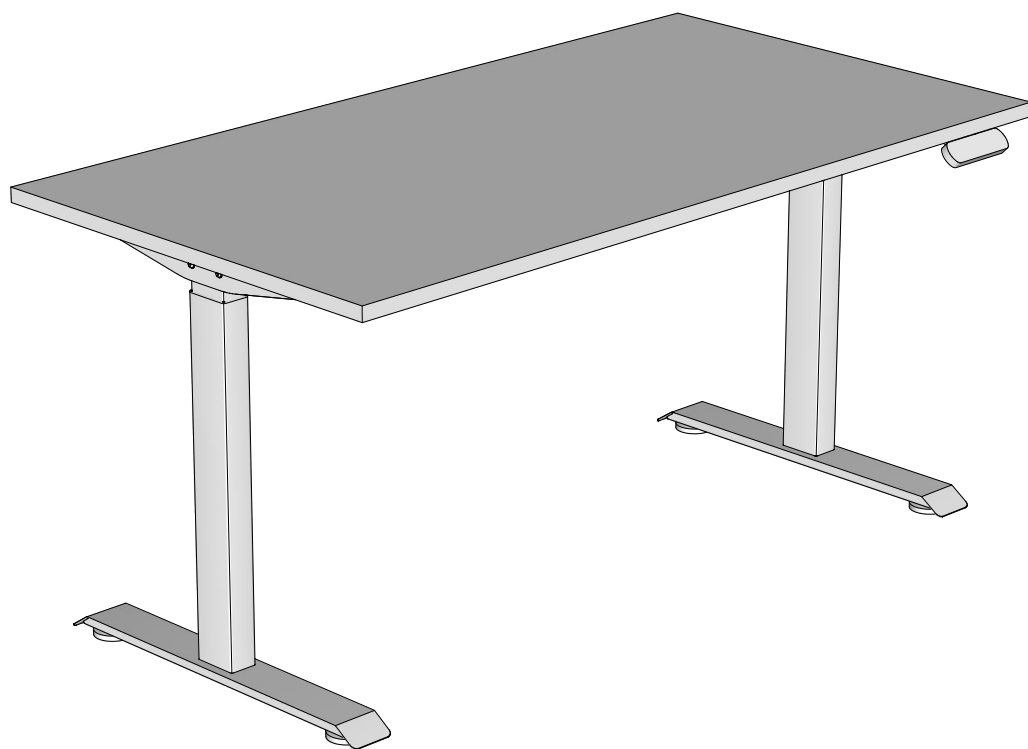# KNIGHT

Haven Boost - Single Sided (SSD)

Assembly Guide

Need a hand?
Contact us at info@knightgroup.co.nz or 0800 143 143 for assistance.

knightgroup.co.nz

Thank you for purchasing Knight product.

Please carefully read the assembly instructions prior to installment to gain a complete understanding of the product.

It provides you with important information about the safety, use, installation and maintenance.

WARNING: FAILURE TO COMPLY WITH OR OBSERVE ALL ASSEMBLY, SAFETY AND OPERATION INSTRUCTIONS REGARDING THE USE OF THIS PRODUCT MAY RESULT IN SERIOUS BODILY INJURY.

Safety
- The product must be used in a safe manner. Inappropriate use may cause damage to the product and/or cause bodily harm to the user or persons nearby.
- Don't locate furniture in direct sunlight or near air-conditioning inlet or heating radiator.
- Don't put high-temperature or frozen objects on furniture.
- Safely carry product to location of assembly.
- Retain this operation manual and pass it on to any future owner.

Set Up and Installation
- Assemble the product according to the assembly instructions.
- To prevent possible scratches or damage, assemble the product on a soft surface such as a blanket, carpet or packaging.
- Place the product a safe distance from window frames, radiators, furniture etc. so that persons cannot become trapped.
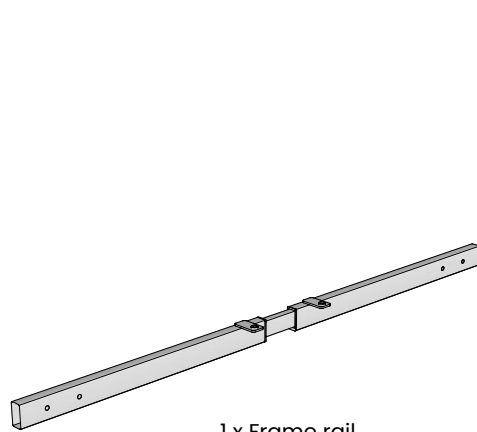
Due to continuous improvement of our products, our assembly instructions may not be in complete accordance with the product and we apologise in advance.

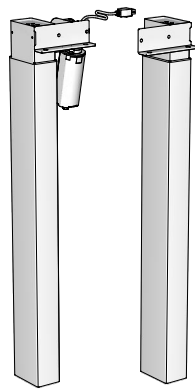**Any questions contact Knight on 0800 143 143**

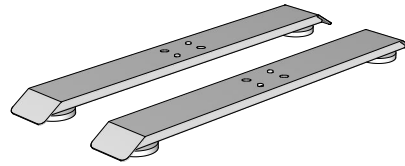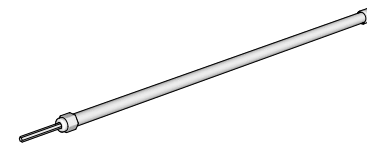**Tools Required:** Powered Screwdriver
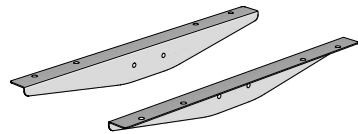
Haven Boost SSD - Parts
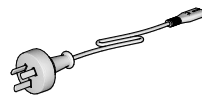
1 x Frame rail

2 x Legs

2 x Foot with Levelling Feet
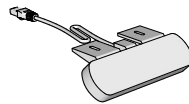
1 x Gear rail

1 x L&R Support Bar (pair)

1 x Power Cord

1 x Handset
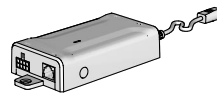
1 x Control Box
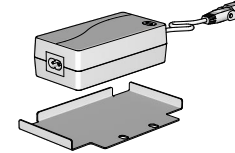
1 x Power Box with Tray

Screw Guides
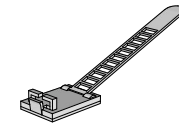
Cable Clips

8 x M6x16

12 x M6x10

10 x ST4.8x16

6 x ST3.5x16

OPTIONAL UPGRADE:
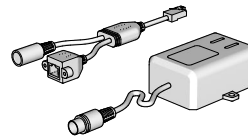
1 x Bluetooth Unit with cable

Step 1

Don't plug in the desk
until handset & power
box are mounted on
to the desk top.
It might cause errors.

Loosen screws
and pull apart
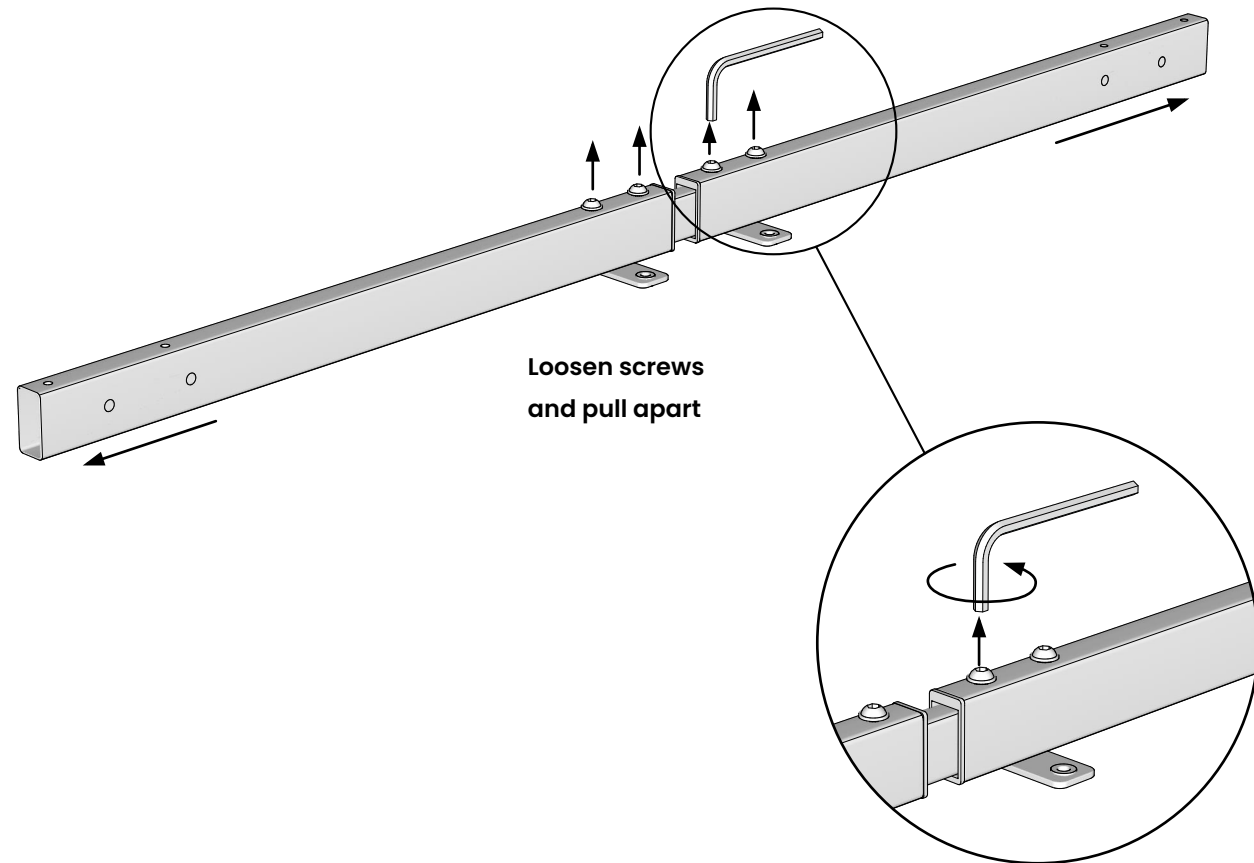
Step 2
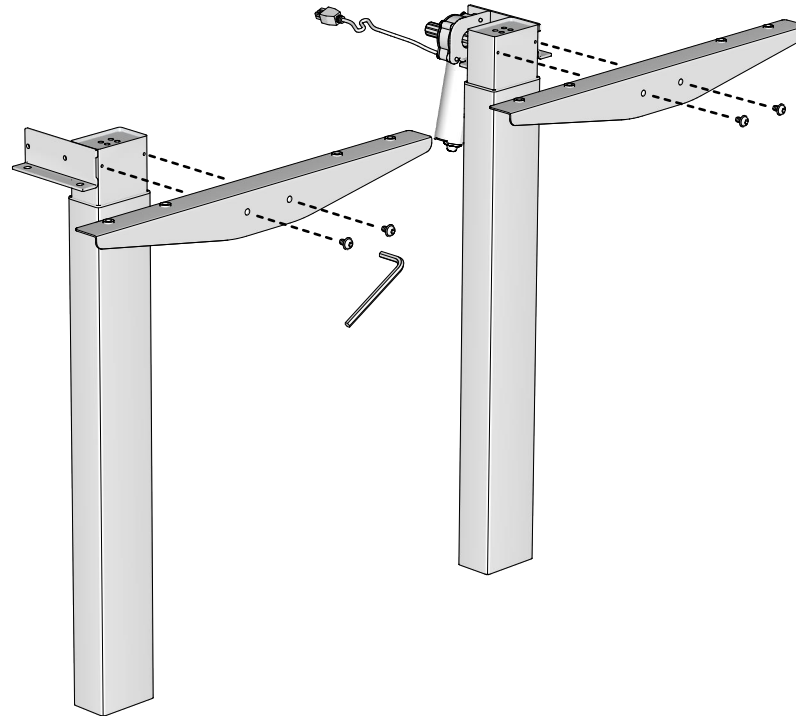
4 x M6x10

Step 3

8 x M6x10

Screw Guide
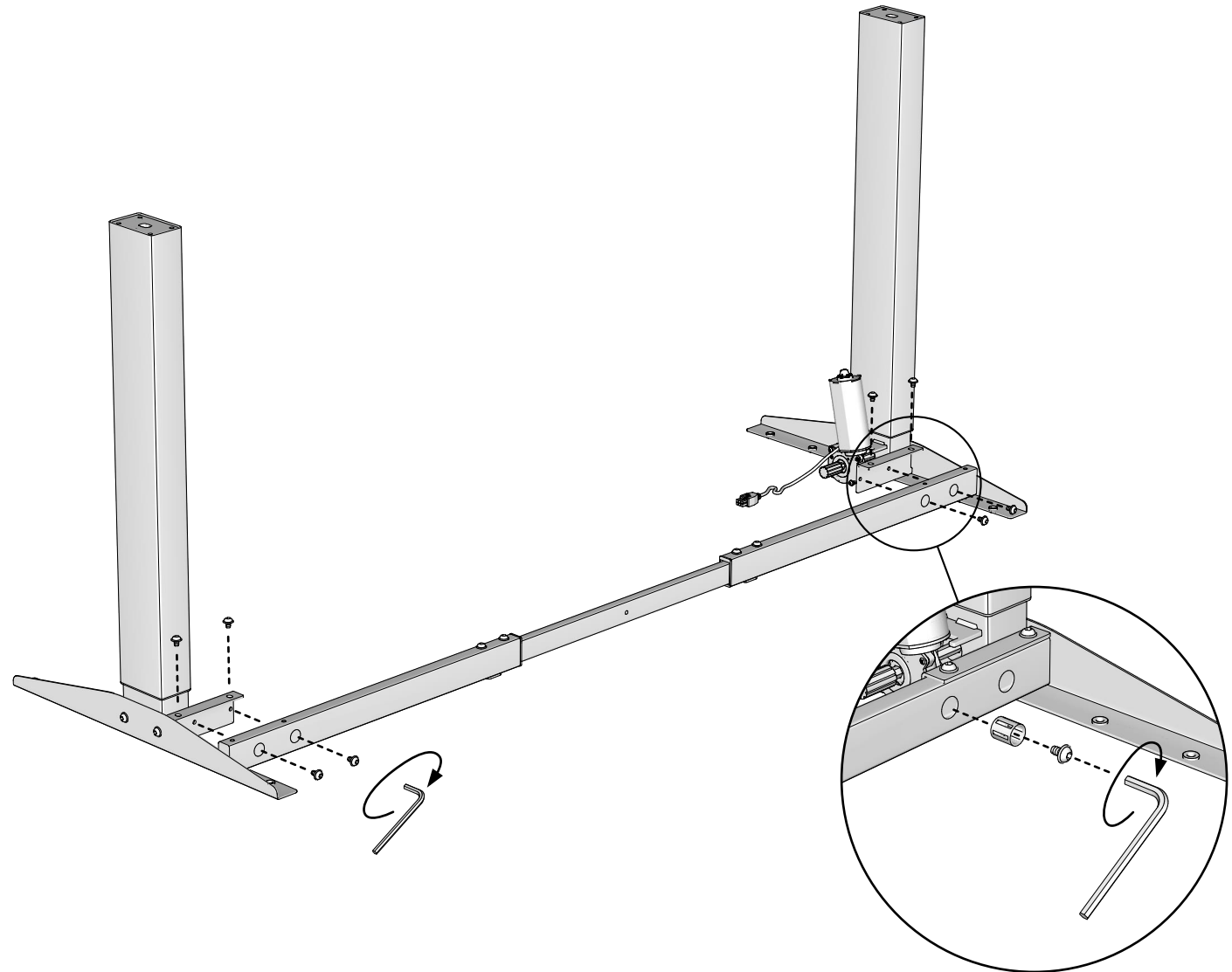
Step 4

8 x M6x16
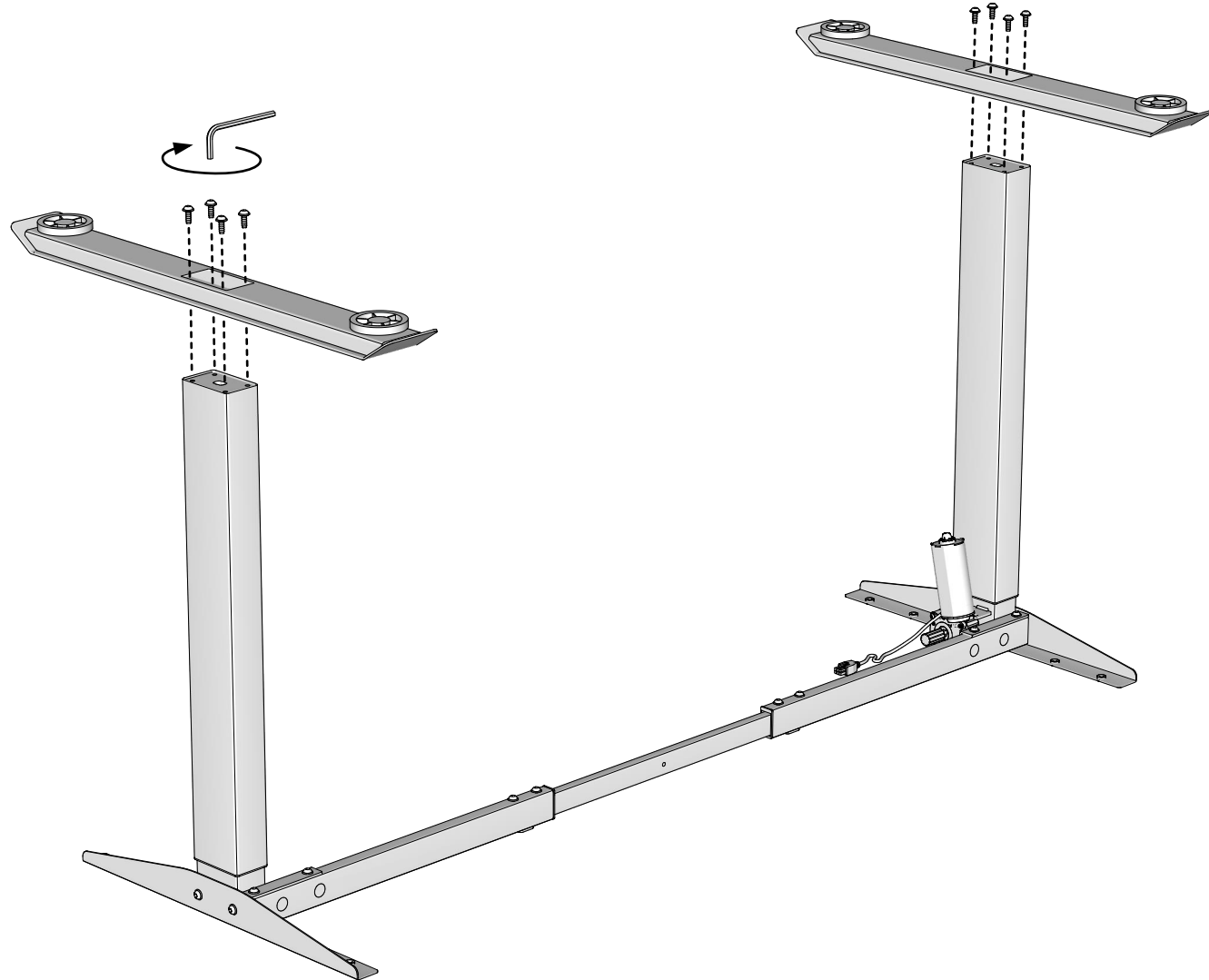
Step 5
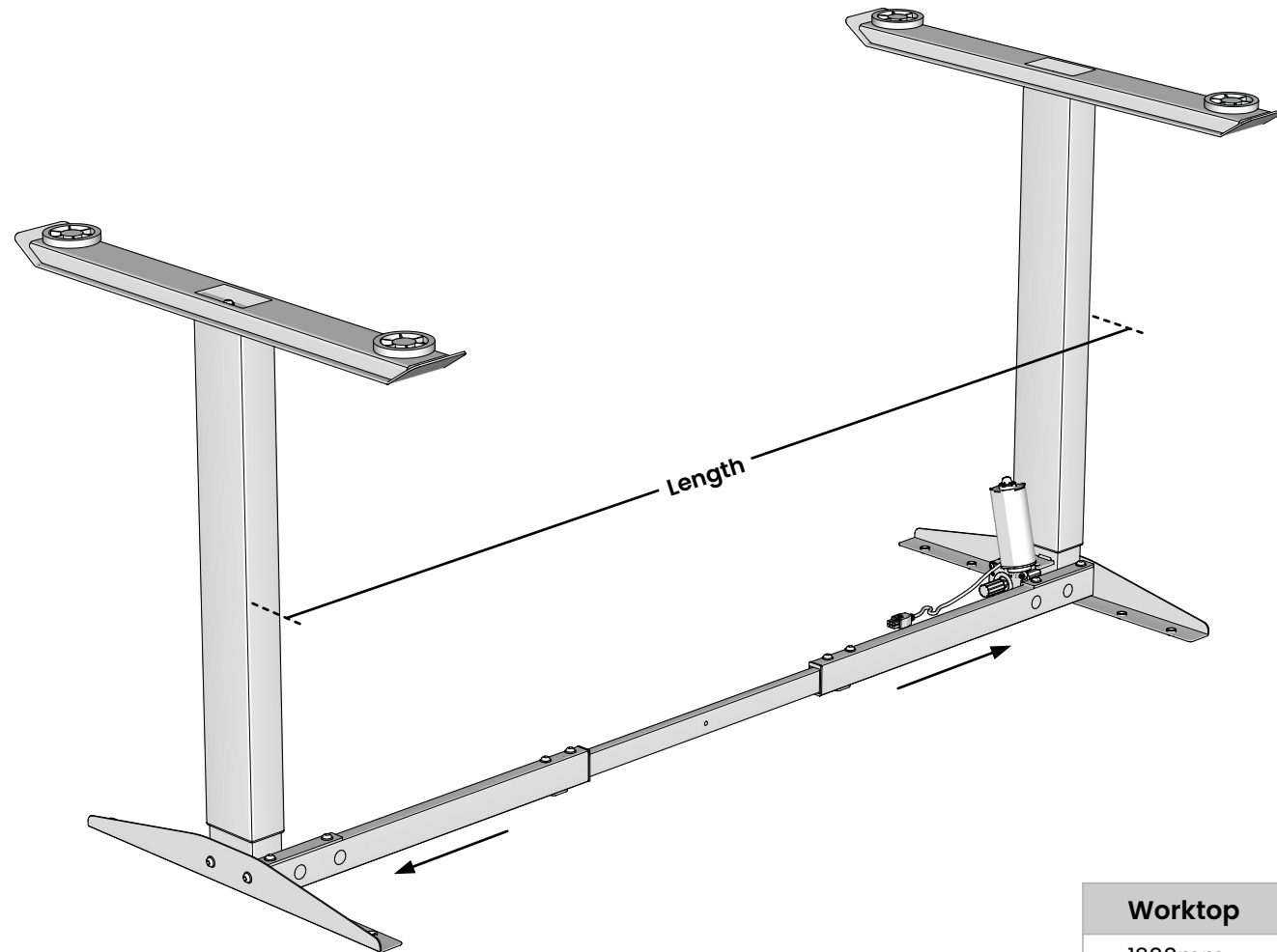
Length

Worktop	Length
1200mm	1150mm
1500mm	1400mm
1600mm	1500mm
1800mm	1600mm

Step 6
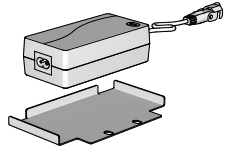
1 x Power Box with Tray
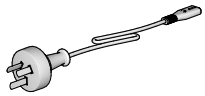
1 x Power Cord
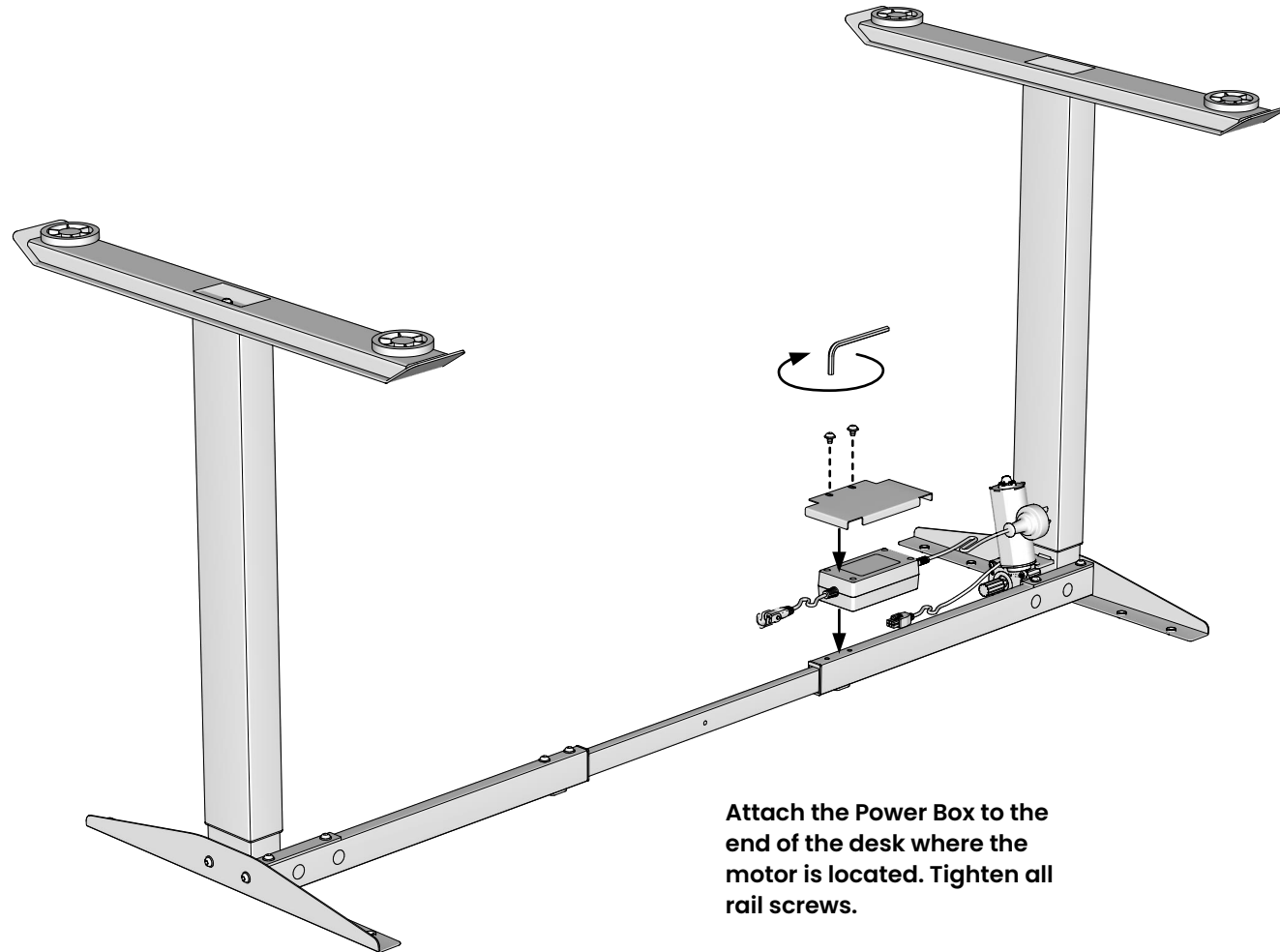
Attach the Power Box to the end of the desk where the motor is located. Tighten all rail screws.

Step 7

Connect gear rail to leg with motor (A), then extend to connect to opposite leg (B). Tighten by hand as shown below (C).

A

B

C
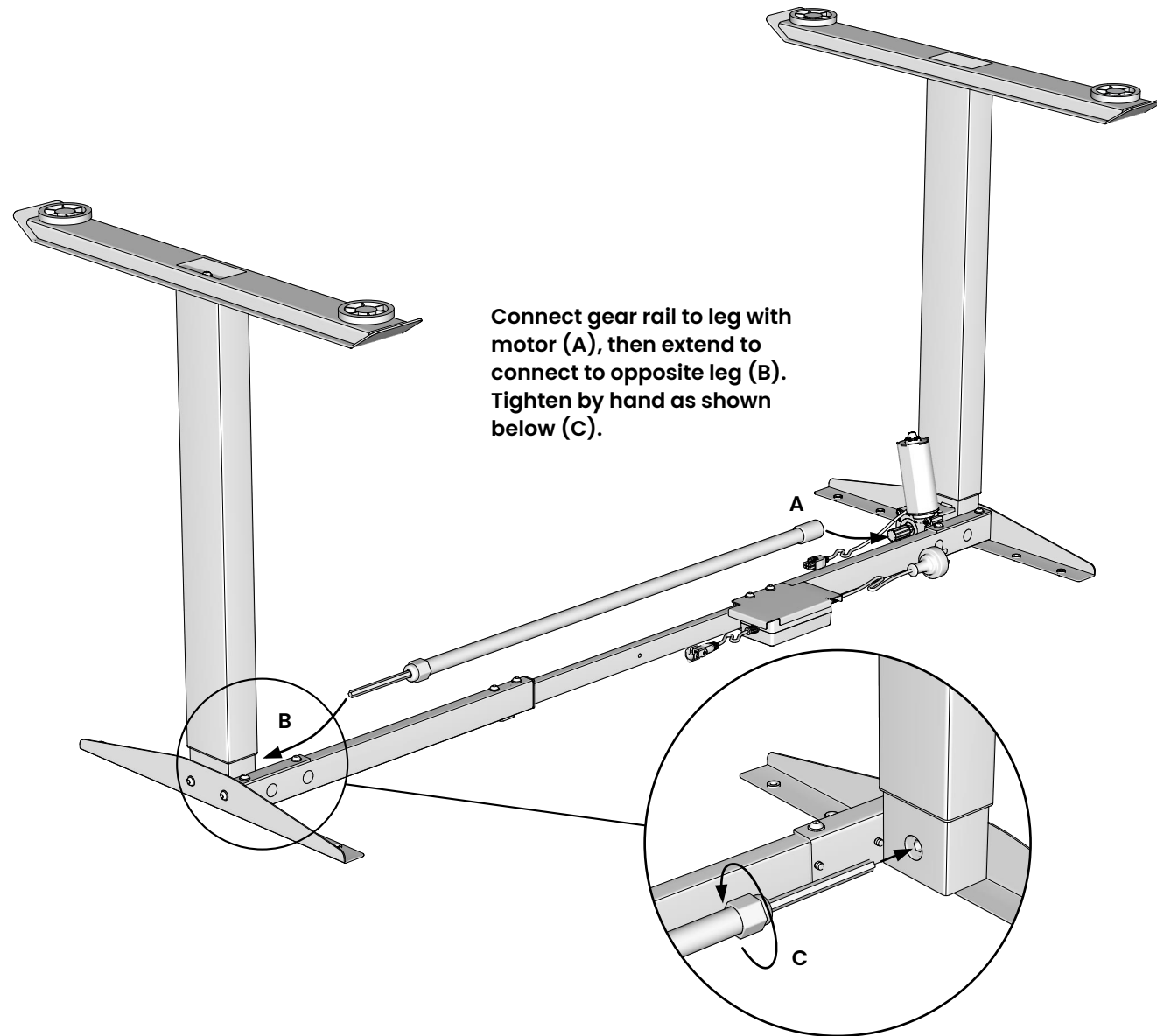
Step 8

10 x ST4.8x16
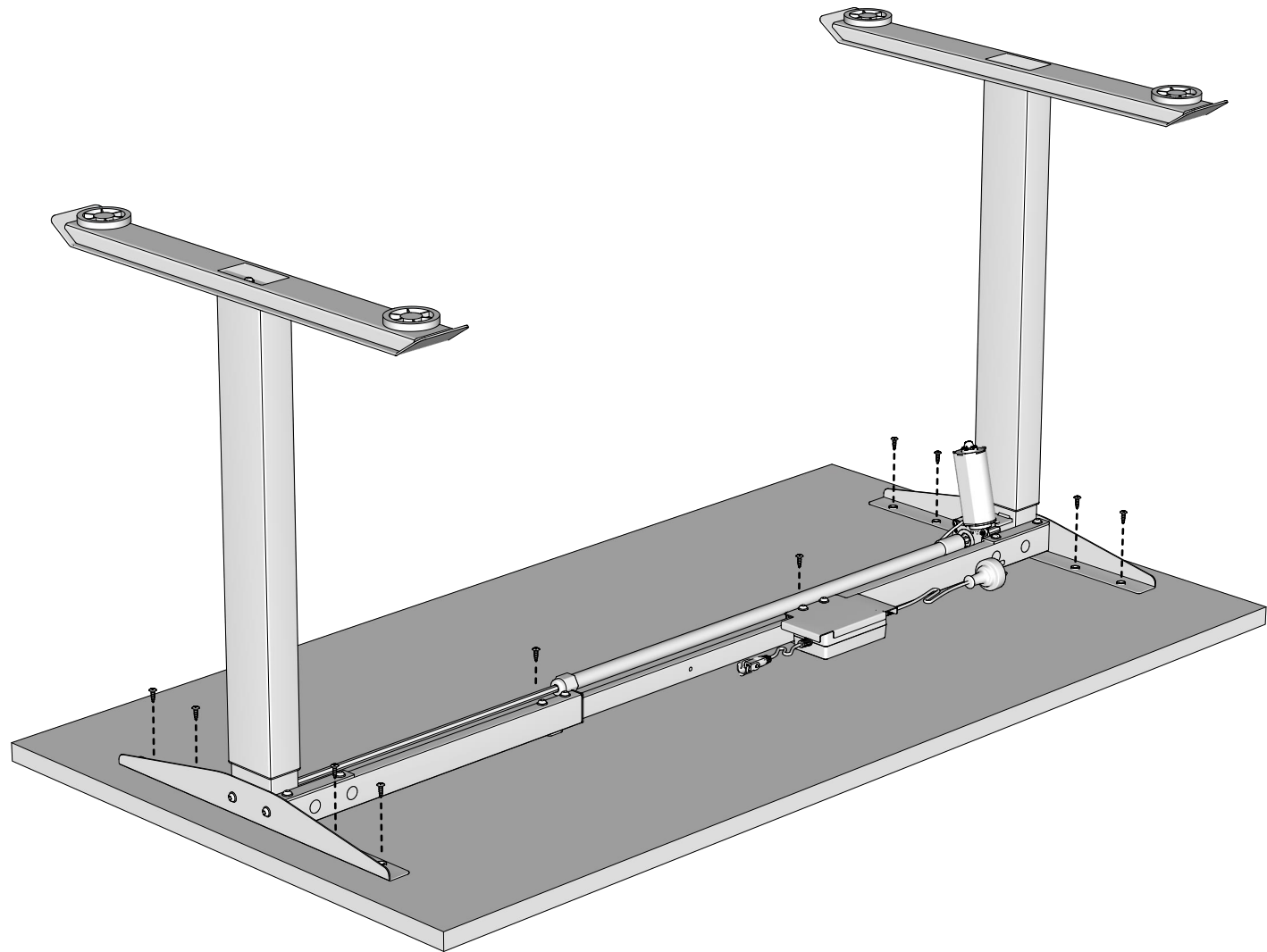
Step 9

6 x ST3.5x16
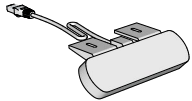
1 x Handset

1 x Control Box

OPTIONAL UPGRADE:
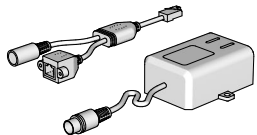
1 x Bluetooth Unit
with cable

Step 10

Cable Clips

Handset

Control Box

Bluetooth Option

Power Supply
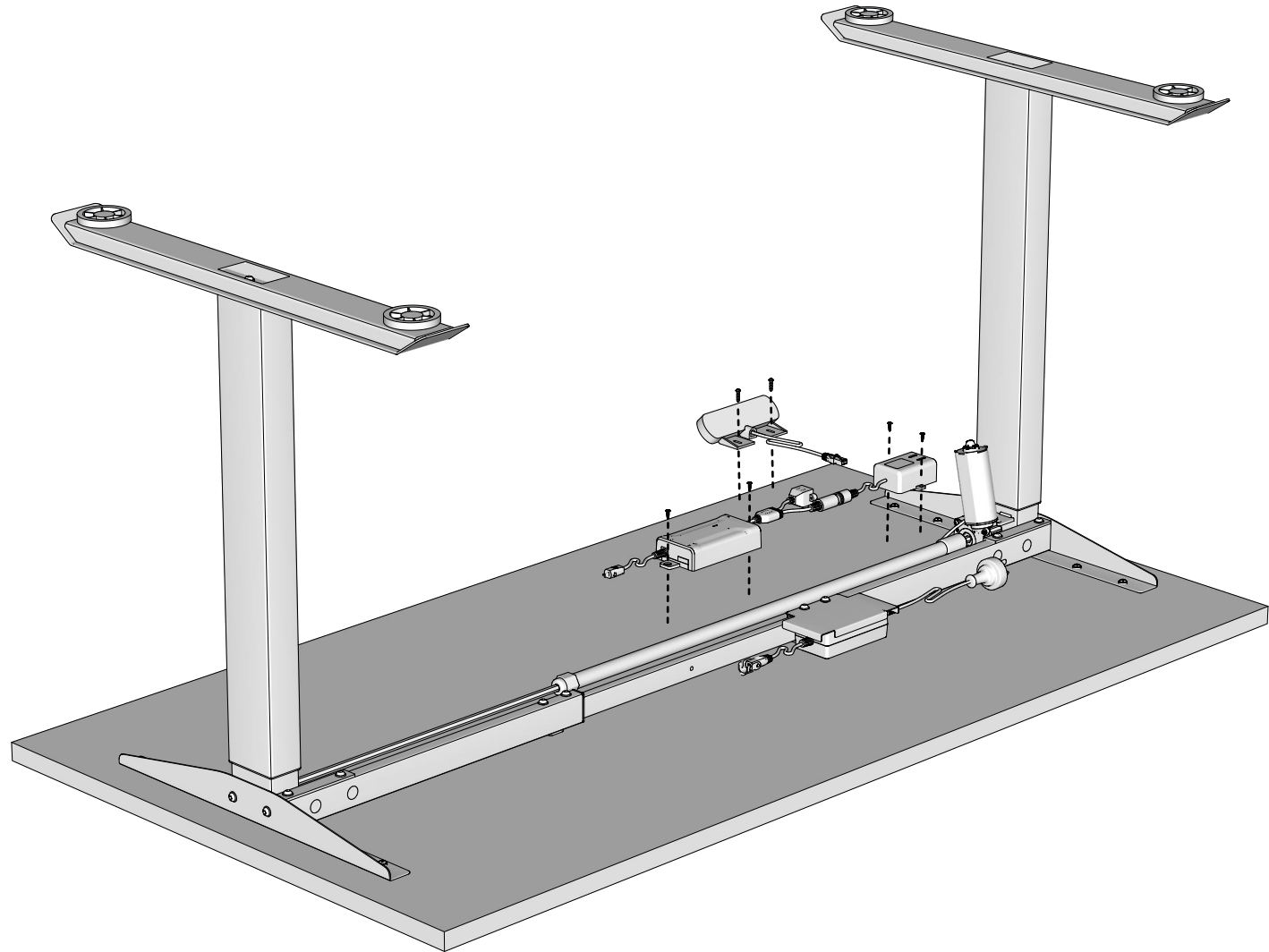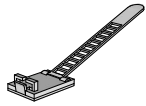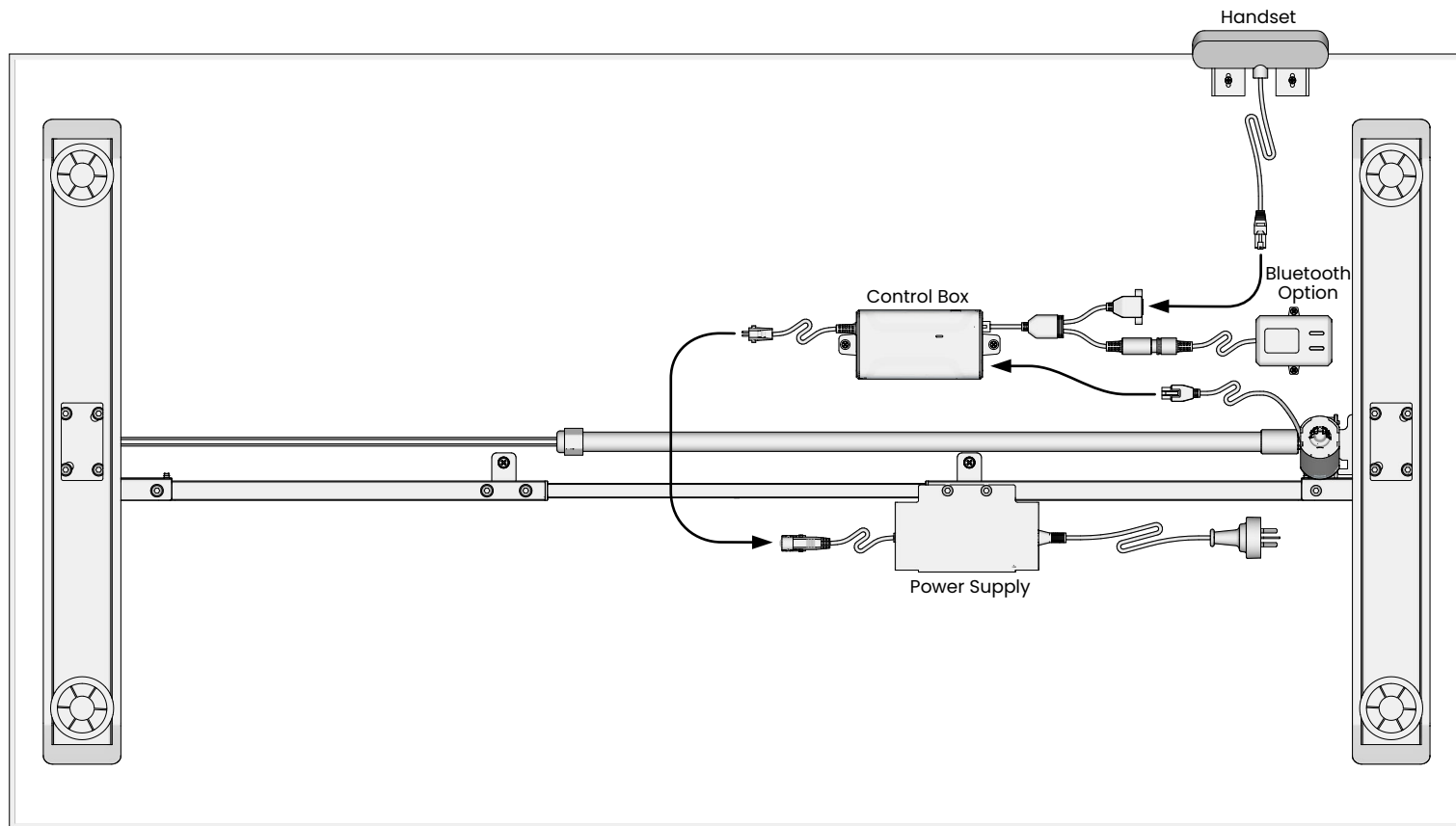
If Bluetooth is NOT included, plug the Handset directly into the Control Box.

Haven Boost SSD - Handset

Operational Guide
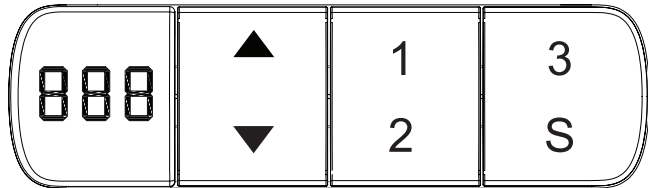
Manual Reset

Step 1: Hold the "Down" key until the display alternates between "E-1" and "rES", then release the key.

Step 2: Hold the "Down" key again. The desktop will slowly move downward and then return to its original position until the display shows "073". Please note it may display in imperial units, such as "28.7".

Step 3: Release the key, and the height-adjustable desk will be ready for normal use.

Note: **The 'anti-collision' function is disabled during all resets. Please be cautious of potential pinching hazards, and ensure there are no obstacles in the desk's path.**

Up and Down

Step 1: Hold the "Up" key until the desired standing height is reached.

Step 2: Hold the "Down" key until the desired sitting height is reached.

Saving Memory Positions

▲	▼	**Step 1:**	Adjust the desktop to your desired height using the "Up" or "Down" keys.

S	S--	**Step 2:**	Press and hold the S key until the display shows "S--"

1	S-1	**Step 3:**	Press the "1" key. The display will alternate between "S-1" and the current height. Press the "S" key again, the memory position has now been saved.

To save additional memory positions:
Follow the same steps, pressing the "2" key for "S-2" or the "3" key for "S-3"

Using the memory function allows you to quickly program and recall your preferred height positions for added convenience.

High and Low Limitation Positions

This function is used to restrict the movement range of the desktop when there is a container beneath it or a shelf above it.
Once configured, the new upper or lower movement limit is saved for future use.

Set High Limit Position

S	S--	**Step 1:**	Press and hold the "S" key until the display shows "S--"

▲	HLP	**Step 2:**	Press the "Up" key until the display flashes "HLP".

1	H-P	**Step 3:**	Press the "1" key; the display will alternate between "H-P" and the current height.

▲ ▼	**Step 4:** Press and hold the "Up" or "Down" key to adjust to the desired high limit position.

S	**Step 5:** Press the "S" key to save the high limit position. The desktop height will now be displayed, confirming the high limit has been set.

Set Low Limit Position

2 L-P	Repeat Step 1 and 2 above, then press the "2" key; the display will alternate between "L-P" and the current height. Press and hold the "Up" or "Down" key to adjust to the desired low limit position. Press the "S" key to save the high limit position. The desktop height will now be displayed, confirming the low limit has been set.

Change the Displayed Unit (cm/inch)

Set Unit to cm

S S--	**Step 1:** Press and hold the "S" key until the display shows "S--"

▲ UNT	**Step 2:** Press the "Up" key; the display will show "Unt"

1 CM	**Step 3:** Press the "1" key; the display will alternate between "Unt" and the current height, with the unit set to "cm".

S	**Step 4:** Press the "S" key to save "cm" as the unit of height measurement.

Set Unit to inches

2 IN	Repeat Step 1 and 2 above, then press the "2" key; the display will alternate between "Unt" and the current height, with the unit set to inch".

Amend the Desktop Height Displayed

Ensure the Manual Reset procedure is completed before using this function.

| S | **Step 1:** | Press and hold the "S" key until the display alternates between "Ur" and "oFF". |

Step 1: Press and hold the "S" key until the display alternates between "Ur" and "oFF".

Step 2: Press the "Up" key until the display alternates between "End" and the current height.
(Note: During this process, the height unit is "mm" for metric measurements).

Step 3: Use the following keys to adjust the height digits:
Press "1" to adjust the first digit.
Press "2" to adjust the second digit.
Press "3" to adjust the third digit.

Step 4: Press the "S" key to confirm and save the defined height.
The height display will now reflect the updated value.

Note: **This function allows you to adjust the height displayed to match the actual measured height.**

Anti-Collision Function

When the desktop encounters an obstacle in its path, the screen will display "E-2".
The desktop will automatically move a predefined distance in the opposite direction.
After the obstacle is removed, the desktop can resume normal operation.

Plug Detection

This function can detect whether the motors are connected properly.

| E-3 | rES | **Step 1:** | When the display shows "E-3" and "rES", it indicates that one or more motors are not properly connected to the control unit. |

- Turn off the entire system.
- Inspect and securely connect all cables.
- Power the system back on.

| ▼ | rES | **Step 2:** | Perform the "Manual Reset" procedure to restore normal operation. |

Reset to Factory Setting

| S | FAC | **Step 1:** | Press and hold the "S" key until the display shows "FAC". |

| S | **Step 2:** | Press the "S" key again to restore the control unit to its factory settings.
This will reset all settings, including memory positions, high and low limit positions, and other configurations. |

Shortcut Key to Enabled/Disabled the Gyro Function

The gyro function is to achieve a better anti-collision effect. It is enabled by default. If you disable it, it may cause safety issues, so please use it with caution. The gyro function is still disabled after re-powered if you disabled it.

There is a round button on the side of the control box. **To Disable:** If you want to quickly disable the gyro function, you need to hold the round button until the LED light on the control box is off. Release the button, the LED light will blink 3 times and the gyro function is disabled. **To Enable:** If you need to enable the gyro function, press the round button and the gyro function is enabled immediately.

Troubleshooting

Code	Information	Operating
RES	Manual reset required	Follow the manual reset procedure as outlined in the user manual.
OVR	Motor stalling or overloaded (exceeding 800N / 80kg / 176lbs)	Reduce the load on the desk and try again.
E-2	Anti-collision function triggered	Remove any obstacles. The desk can be used normally afterward.
OUT	Continuous operation without sufficient rest	Allow the system to rest for approximately 18 minutes before resuming operation.
E-4	Uneven leg height (difference exceeds 20mm)	Stop the operation immediately and perform a manual reset as outlined in the user manual.
E-3	Motor cable is disconnected	Check that all cables are securely connected. After completing the manual reset, resume normal operation.
SOT	The control box has detected abnormal current, which may be caused by overloading or signal interference.	Remove the load or turn off the power, check all cable connections, and then power the system back on.

Technical Data

Input Voltage: 100~240V AC

Output Voltage: 29V DC

Max Loading: 800N / 80kg / 176lbs

Height Range: Without Desktop 700-1180mm

With Desktop 730-1210mm

Duty Cycle: 2 min on/ 18 min off

Bluetooth Option

Connect to your office desk and personalise through the Smart Office App.
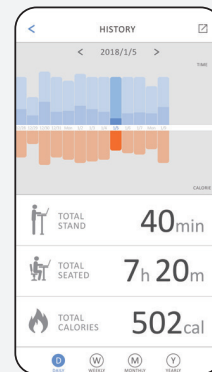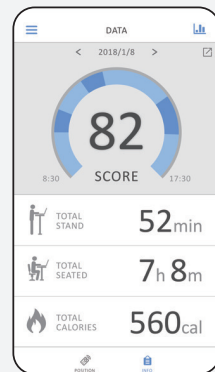
Smart Desk Connectivity & Usage Features:

- Effortlessly raise or lower your desk to achieve your preferred sitting or standing position.

- Receive intelligent prompts that remind you when it's time to switch between sitting and standing, promoting healthier work habits.

- Set personalised targets for daily sitting and standing durations to better manage your posture and wellness.

- Access daily and weekly reports that track your sit-stand activity and estimate calories burned.

Smart App for Android

Smart App for iPhone