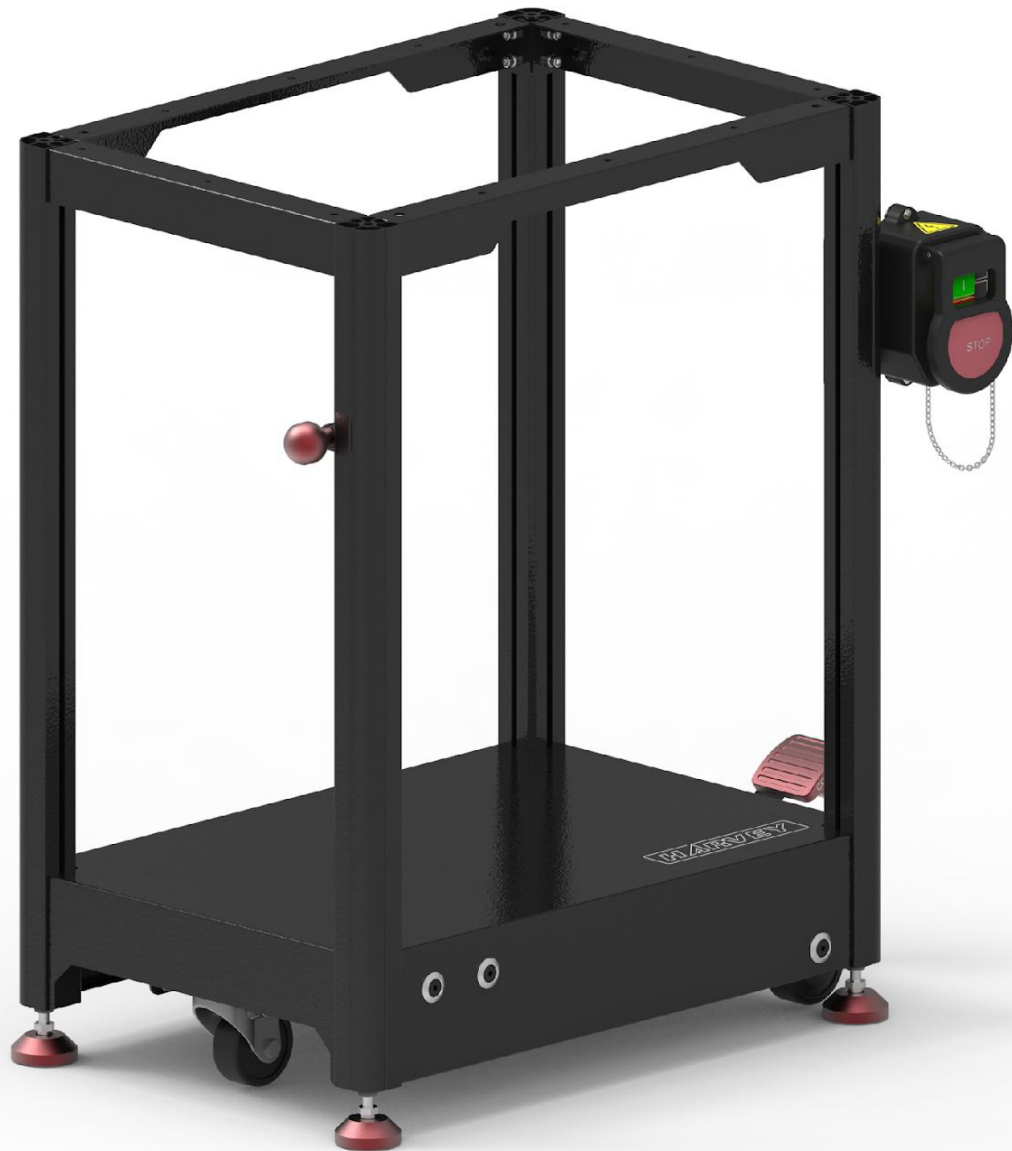


RT-S

Router Table Stand



Revision A 2023-04-01



298007301

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English Version

1. Introduction

Thank you for purchasing Harvey's products. We are confident that you will be satisfied with the quality and performance of our products.

The Harvey RT-S Router Table Stand is a universal product that can be installed with RT-685, RT-800 or even custom router tables. The RT-S Router Table Stand is also designed to be universally compatible with a majority of aftermarket router table systems. Please refer to your router table to ensure proper fitment. In some cases, some modifications may be necessary.

The Harvey RT-S Router Table Stand features parallel lifting, start-stop switch control, overload protection and height adjustment functions. Its high-strength aluminum alloy construction provides both enhanced functionality and an appealing visual design.

We hope this user manual provides you with the necessary guidance to install, operate, and maintain the Router Table Stand effectively. If you require any further assistance or inquiries, please reach out to our customer service center.

➤ Parallel Lifting

The stand utilizes a cyclic lifting mechanism located underneath the base platform. To lift the stand, simply press down on the pedal of the lifting mechanism. The three rollers will simultaneously raise the support and lock it into place. Lowering the stand is achieved by pressing the pedal again, retracting the rollers and allowing the feet to make contact with the ground, providing stable support.

➤ Ball head foot

The ball head foot allows for easy table height adjustment and adapts to uneven ground surfaces.

➤ Handle bracket

The handle bracket can be adjusted at any angle, providing convenience for placing and using your router crank handle.

➤ Power switch

The power switch controls the start and stop of the cutter and provides overload protection.

➤ Leg

The aluminum profile legs feature a T-slot design, making it convenient to install homemade tools.

2. Warranty Information

Limited Tool Warranty:

We make every effort to ensure that this product meets the highest quality and durability standards. We offer a limited warranty for our products. This warranty covers manufacturing defects for one year from the date of retail purchase. It does not apply to defects caused by misuse, abuse, normal wear and tear, negligence or accidents, unauthorized repairs, modifications, or lack of maintenance. We are not liable for any injuries, property damage, or consequential damages resulting from product use.

Please contact our customer service center for warranty claims and further assistance. We will repair or replace the product or any part(s) covered under this warranty due to defective workmanship or materials during this warranty period.

3. Specifications

Stand Dimension:

---26-9/64" x 17-61/64" x 33-35/64"

(664x456x852mm)

Input Power:

---120v 15A

Net weight/Gross weight:

---43lbs (19.5kg)/48.5lbs (22kg)

Package Size:

---32-23/64" x 24-13/32" x 9-1/16"

(822x620x230mm)

Max. load-bearing:

---330lbs (150kg)

Note: The specifications mentioned above are subject to change without prior notice. Please refer to the product documentation for the most up-to-date specifications.

Fig.1 shows the dimensions of mounting holes for the upper brackets.

Fig.2 shows the size of the legs' T-slot.

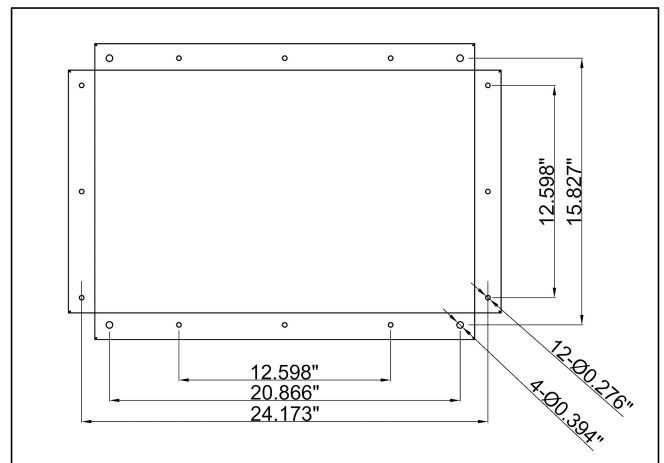


Fig.1

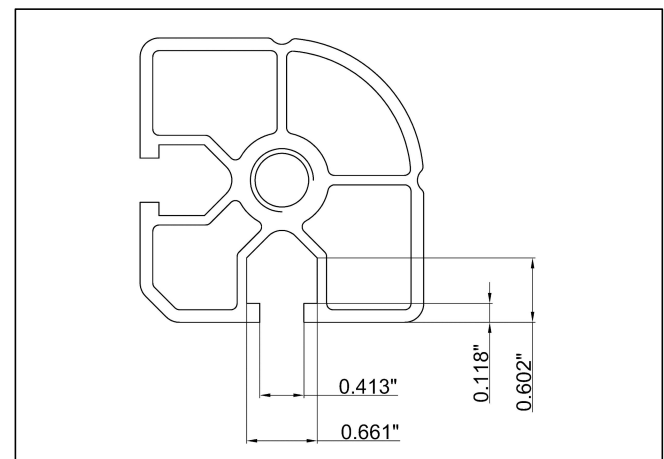


Fig.2

4. General Safety Guidelines

When using the router table, it is important to follow safety guidelines for universal electric tools. Additionally, pay attention to the following precautions:

1. Before moving the support, always unplug the router from the power source.
2. While the RT-S Router Table Stand can accommodate uneven surfaces, it is recommended to place the router table stand on a flat and stable surface to prevent tilt or sliding.
3. Avoid using the product in damp, messy, or dark environments, or in areas with flammable or explosive materials.
4. When not in use, insert the safety pin into the green start button to ensure it is deactivated to prevent any accidental startup.
5. Never place your hands directly over or in front of the spinning cutter. Maintain a minimum distance of six (6) inches from the cutter at all times.
6. Ensure all lock levers, knobs, fence hardware, and guide rails are securely tightened before operating the router table. Failure to do so can cause the workpiece to slip out of alignment while cutting and cause injury from kickback.
7. Let the cutter do the work; avoid applying excessive force, as it may lead to poor cutting results or kickback.
8. Exercise caution when working with workpieces containing knots, holes, or foreign objects, as they can increase the risk of kickback and injury. Warped stock should be run through a jointer before you run it through the router table.
9. Keep the cutter on the underside of the workpiece when making blind cuts. This will decrease the risk of accidental contact with the cutter.
10. Always feed the workpiece against the rotation direction of the cutter. Otherwise, the workpiece could be aggressively pulled from your hands, drawing them into the spinning cutter.
11. When setting up the cutter, disconnect the router from power and rotate the router spindle to ensure proper cutter clearance before starting the router.
12. Always use a fence, jig, or miter gauge when cutting workpieces, and never operate the router table without them.
13. Never use a workpiece shorter than six inches without special fixtures or jigs. Otherwise, the workpiece can become trapped between the fence and cutter, which could draw your hands into the spinning cutter.
14. Keep any unused portion of the cutter below the table surface to minimize the risk of accidental contact.

14. Always use a guard and fabricate additional guards or jigs for specific circumstances. Consider using an overhead guard if the fence is removed.
15. Store the router power cord safely to prevent tripping hazards during operation.

WARNING

Like all machinery there is potential danger when operating this tool. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this tool with respect and caution to decrease the risk of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

5. Unpacking and Installing

5.1 Unpacking

Carefully unpack the Router Table Stand and ensure that all parts and components are included as listed in the parts list below. Refer to **Fig 3** for an exploded diagram of all components.

REF	DESCRIPTION	QTY
A	Base Platform	1
B	Switch	1
C	Pedal assembly	1
D	Supporting foot	4
E	Handle bracket	1
F	10mm ratchet wrench	1
G	Wrench (8-10)	1
H	Wrench (13-16)	1
I	Hex wrench (1.5-8)	1
J	Leg	4
K	Top bracket (long)	2
L	Top bracket (short)	2
3	Hexagon bolt M6x16	32
4	Spring washer 6	36
5	Flat washer 6	42
6	Square nut M6	32
7	Flat washer 8	4
8	Spring washer 8	4
9	Cap screw M8x25	4
21	T-bolt M5X16	4
22	Flat washer 5	4
23	Spring washer 5	4
24	Cap nut M5	4
34	Nut M6	4
39	Button head screw M6X16	2
48	Cap screw M6x20	4

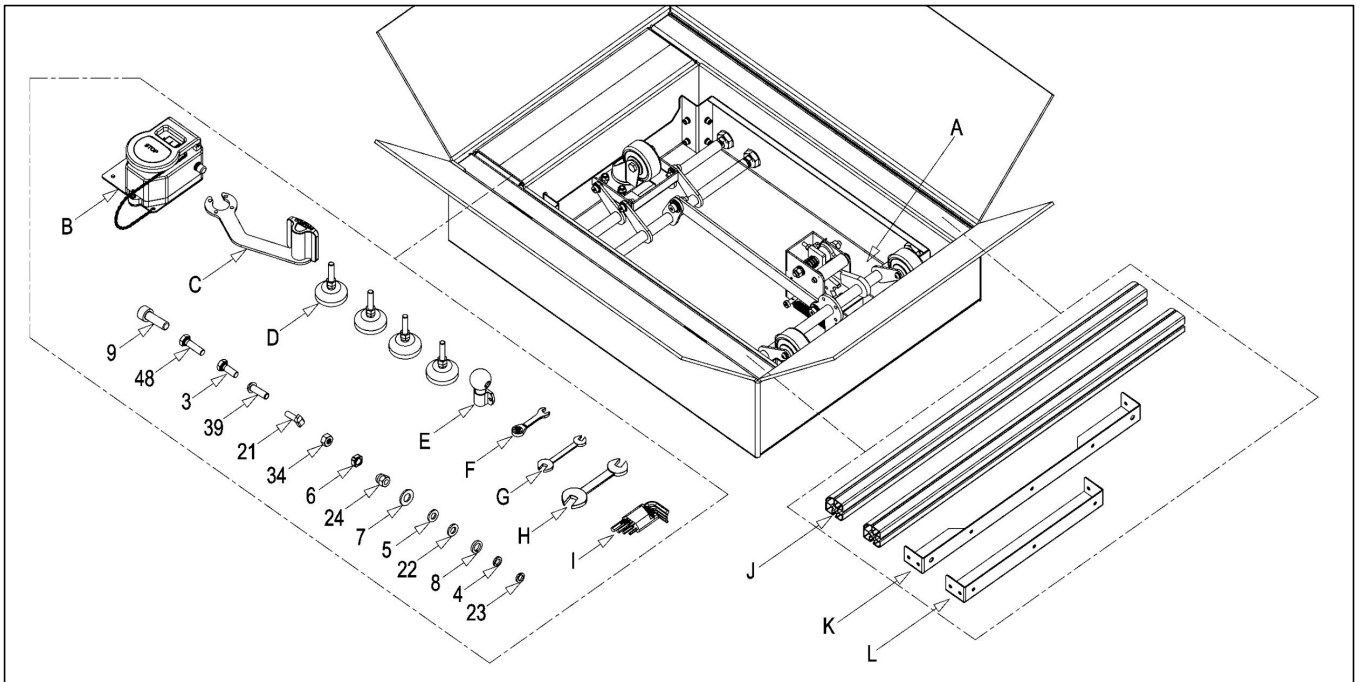


Fig.3

5.2 Installation

Follow these steps to install your RT-S Router Table Stand:

a. Place the base platform (A) upside down on a sturdy surface. Attach the foot pedal assembly (C) to the base platform (A) as shown in **Fig.4**.

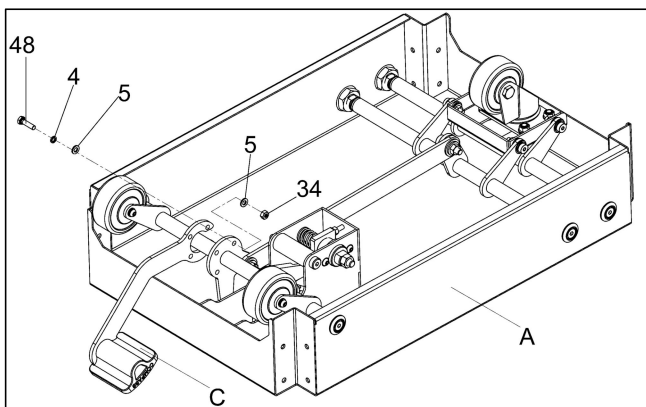


Fig.4

b. Pull the foot pedal (C) to change it from state (I) to state (II) as seen in **Fig.5**.

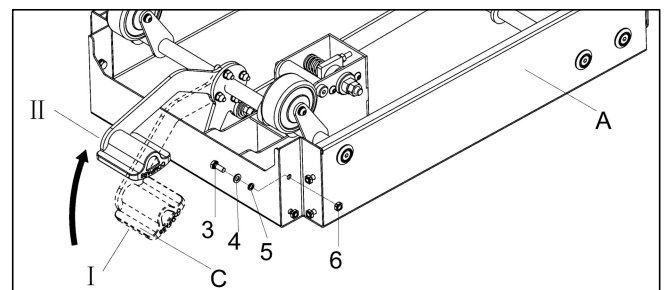


Fig.5

c. Insert the threaded end of the leg (J) under the base platform (A). Until the end is flush with the base platform (A) and hand tighten the bolts (#3) in advance to hold the leg into place. Use the provided wrenches to securely tighten it with a tool. Repeat this step to install the remaining three legs (J) as shown in Fig.6 for each corner of the base.

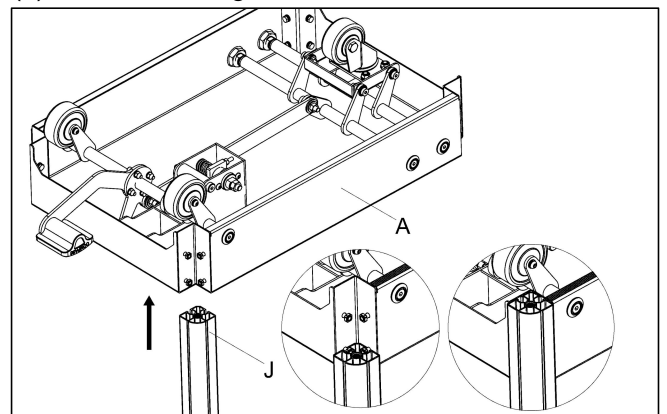


Fig.6

To install the legs (J), preinstall the fasteners (#3, #4, #5, and #6) into the sixteen holes of the base platform (A) as shown in **Fig.5**. Each corner will require 4 sets of fasteners (16 in total). Square nut (#6) will be exposed to accept the legs (J).

d. Install the foot (D) on the leg (J) and rotate to the minimum or lowest height (h) as indicated in Fig.7. Repeat this step to install the remaining three (D) as shown in **Fig.7**.

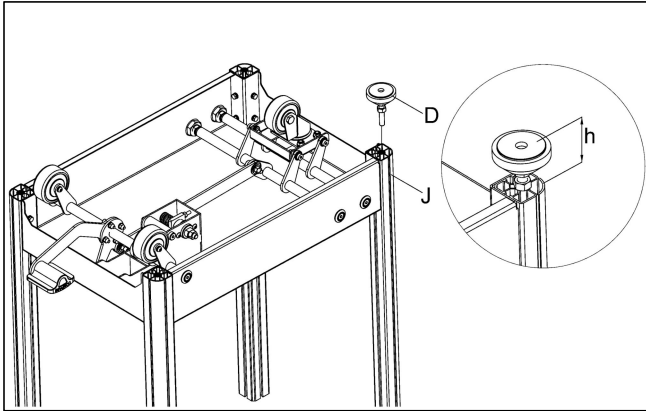


Fig.7

e. Flip your RT-S over (rightside up) on the ground then press down on the foot pedal (C) gently. Slowly depress (lift) from the foot pedal to change from state (II) to state (I).

Next, preinstall the fasteners (#3, #4, #5 and #6) onto the sixteen holes located on the top brackets of (K) and (L).

Finally, insert the top bracket (K) from the top of the leg (J), so that the square nuts are mated with the slots on the leg (J). Align the top bracket (K) to be flushed with the leg, and hand tighten the bolt to temporarily hold the bracket in place. Using the provided wrenches, tighten the bolt to secure the bracket. Repeat this step to install the remaining brackets (K) and (L) as shown in **Fig.8**.

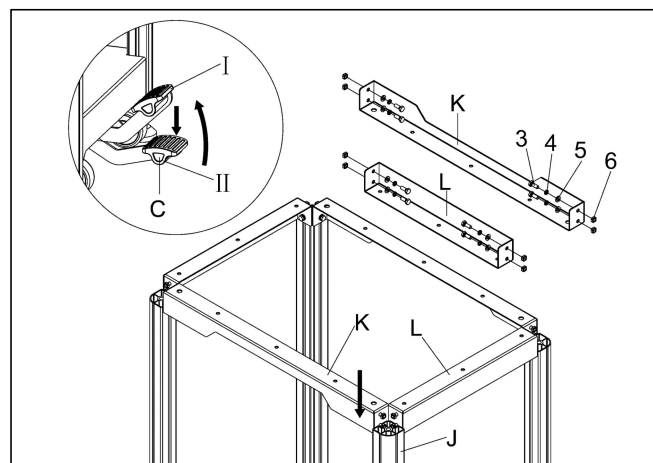


Fig.8

f. Install the handle bracket (E) at the appropriate position and height as to your preference. Use the provided fasteners (#21, #22, #23, and #24) to

secure the bracket onto the support leg (J) as shown in **Fig.9**.

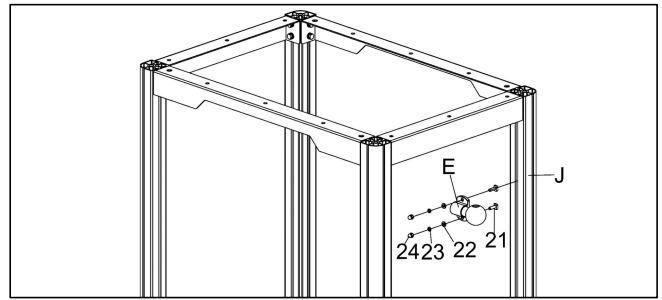


Fig.9

g. To mount the power switch (B), install the switch at the appropriate position of the leg (J). The switch should be mounted near the foot pedal side with the provided fasteners (#21, #22, #23, and #24) as shown in **Fig.10**.

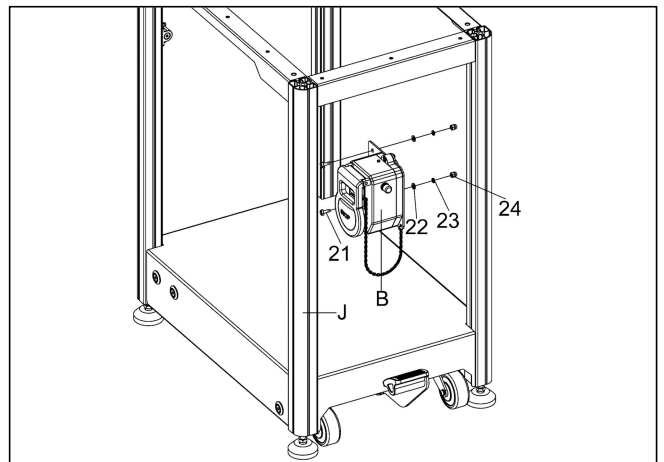


Fig.10

h. After assembling the legs and top brackets to the base platform, now it is time to attach your router table. Set the router table on to the top bracket (K) and use the provided fasteners (#7, #8, and #9) to secure the router table as shown in **Fig.11**.

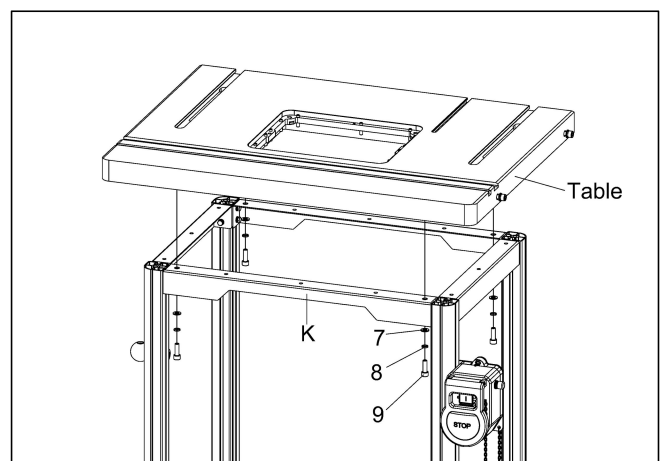


Fig.11

Note:

If you are using the Harvey RT-685/800 router tables, then it can be directly mounted using the holes on both sides of the top bracket (K).

If you are constructing a customized router table, you can mount the table with any of the available holes located on the top bracket as indicated in Fig.1 of the Specification section.

i. To evenly set the height of the support feet, rotate each of the four feet (D) **CLOCKWISE** by the same number of turns (rotation) until the rollers are slightly lifted up above the ground surface. It is recommended that the rollers be at least 0-2 mm, higher than the ground surface.

If the ground surface is uneven, then you may need to fine-tune the feet (D) so that the table is leveled accordingly. You may need a leveler to ensure that the table is properly leveled. Once the height is properly set, tighten the nut on the feet (D) up against the legs as shown in **Fig.12** to ensure the height is fixed at a set height.

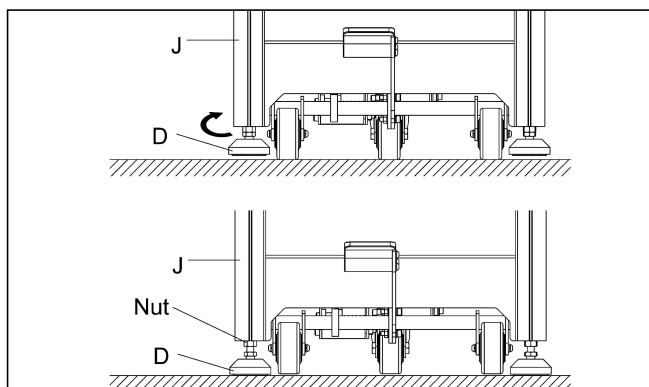


Fig.12

NOTE: To mount the router and/or lift system to the router table, please refer to the product's owner manual for more details.

6. Operation

To use the router table stand, we must provide power to our router tool. Start by connecting the router to the switch box assembly by connecting the router tool plug into the socket located on the power switch (B). Next, connect the power switch (B) cord to the appropriate power source (receptacle).

While the power switch (B) is in the OFF position, double check to ensure that your router tool is in the ON position as you will no longer utilize the ON/OFF switch located on the router tool. The router tool will now be controlled by the power switch located on the router table stand.

To start the router tool using the power switch (B), pull out the safety pin and press the (green) Start button to turn ON the router tool.

IMPORTANT NOTE:

When moving the stand around, always make sure to disconnect the main power cord first. Step on the foot pedal to engage the rollers. Move the router table stand to the desired location, and then step on the foot pedal again to disengage the roller. If needed, adjust the support feet to ensure that the router table is leveled before using the router table!

7. Maintenance and Service

The RT-S Router Table Stand does not require any special maintenance. However, it is recommended to regularly inspect, clean, and avoid prolonged use in humid environments that can extend the service life of your router table system.

For cleaning, use a clean cloth or brush to remove dust and debris from the stand's surface and components. Apply a suitable lubricant to prolong the life of any moving components.

Periodically inspect all components for signs of wear, damage, or loose connections. Replace any worn or damaged parts with genuine replacement parts from the manufacturer. Please contact our customer service center for warranty claims and further assistance.

中文版本

1.介绍

感谢您购买海威公司产品，我们相信您会对产品质量及性能感到满意。

RT-S 电木铣支架是一个通用产品，可安装海威 RT-685、RT-800、自制台板，配合电木铣使用。

RT-S 电木铣支架主要有平行升降、启停开关、过载保护、高度调节等功能。支脚、踏板、把手支架选用高级铝合金并通过阳极氧化制造而成。无论视觉性还是功能性都有显著地提升。

➤ 平行升降

循环升降机构固定在底架的下方，踩下升降机构踏板，三个滚轮同时着地，支架整体平行升高并自动锁定，此时可将支架随意移动；再次踩下升降机构踏板，三个滚轮缩回，支脚着地，支架有效支撑。

➤ 调节高度

球头支脚可调节台面离地高度及适应不平地面。

➤ 把手支架

放置电木铣升降调节工具，可随意调节角度，便于取用。

➤ 电源开关

控制刀具启动和停止，并提供过载保护功能。

➤ 支腿

带 T 槽铝型材支腿，方便安装自制工具。

2.质保信息

质保期限

一年

购买凭证

请保留有效的购买凭证，本公司将为客户提供为期一年的质保服务，在质保期内，产品因质量缺陷免费维修。

质保范围

以下原因造成的事故、故障在保修范围以外：

- 滥用、误用、疏忽引起的事故。
- 缺乏维护导致的故障。
- 非授权维修改造。
- 正常磨损部件。
- 天灾、火灾、爆炸引起的故障。

本公司在任何情况下均不对因使用本公司产品而导致的死亡、人身伤害和财产损失负责。

任何部件经过检测确认出现工艺或材质的缺陷，我们将免费进行修理或更换。

3.参数信息

支架尺寸：

---664x456x852mm

输入电源：

---120v 15A

净重/毛重：

---19.5kg/22kg

包装尺寸：

---822x620x230mm

最大承重：

---150kg

顶架台板安装孔位尺寸见图 1

支腿 T 槽尺寸见图 2

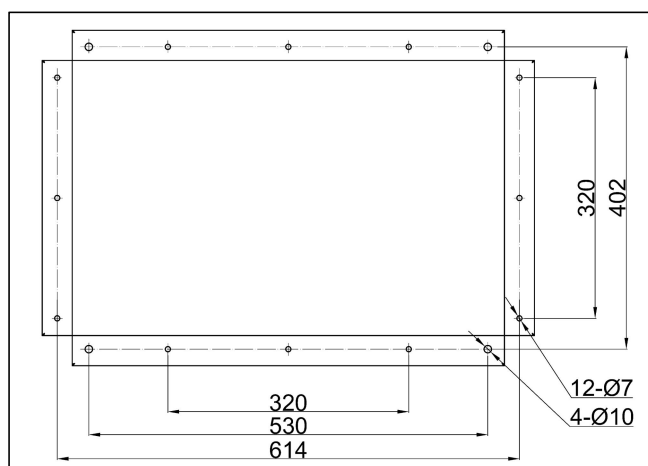


图 1

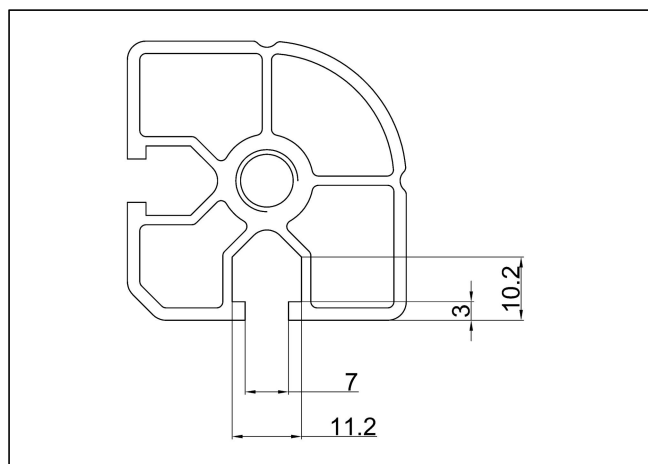


图 2

4.安全条例

本附件配合电木铣使用，除了必须遵守通用电动工具的安全事项（参考台锯）外，还须遵循以下安全事项：

- 1) 移动支架前，请断开电木铣电源。
- 2) 将电木铣支架放置在平坦地面上，防止倾斜或滑动。
- 3) 避免在潮湿、存在易燃易爆物质、杂乱黑暗环境中使用本产品。
- 4) 请在完成作业后将开关安全销插入绿色启动按钮中。
- 5) 为了避免与正在旋转的铣刀发生接触，切勿将手部直接置于铣刀的上方或前方。操作时，当一只手接近铣刀时，应立刻将手移到另一侧。手部与旋转的铣刀之间必须保持至少 150mm 的距离。
- 6) 在确保所有的锁紧杆和旋钮被锁紧、所有的靠山和导轨被固定之后，再开始操作电木铣。否则在铣削时，工件可能会滑出，从而引起木料回弹，对操作者造成人身伤害。
- 7) 不要强行让木料穿过电木铣。让铣刀带动木料。过大的外力很有可能导致较差的铣削效果，还会引起木料回弹，造成严重的人身伤害。
- 8) 当工件上有结疤、孔洞或者异物时，会增加木料回弹的风险和伤害。在用电木铣工作台加工弯曲的木料时，应先将木料在平刨上进行加工。
- 9) 在进行盲切时，保持铣刀位于工件的下方，这样会减小与铣刀发生意外接触的风险。
- 10) 工件的进料方向必须要和铣刀的旋转方向相反。否则工件会从您手中被强行拉出，卷入旋转的铣刀中。
- 11) 进行新的设置后，须通过旋转电木铣主轴来检查铣刀位置，以确保在启动电木铣前，铣刀间距合适（注意切断电源）。
- 12) 不要在没有使用靠山、夹具或者靠尺的情况下铣削木料，否则工件可能会被铣刀拖拽，并将您的手拉入铣刀。
- 13) 在没有特制的夹具或装置时，不要铣削长度短于 150mm 的工件。否则工件可能会被夹在靠山和铣刀之间，这可能会将您的手部卷入正在旋转的铣刀中。
- 14) 始终保持铣刀未使用的部分位于台面下方，以减小手部与旋转的铣刀发生接触的风险。
- 15) 为了防止人身伤害，请务必使用护罩。对于一些特殊情况，还应加装额外的护罩或者夹具。如果靠山被移除，请使用上置式护罩。

- 16) 为了防止被电木铣的电源线绊倒，务必在不使用电木铣时，将电木铣断开电源并收拾好电源线。

警告：

和所有的设备一样，操作此工具也存在潜在危险。事故通常是由于对工具不熟悉或者注意力不集中造成的。使用此工具时应保持警惕，以减少发生人身伤害的风险。如果操作时忽视安全措施，可能会发生严重的人身伤害。

5.拆包及组装

5.1 拆包

参考图 3 及爆炸图核对您的产品。

序号	名称	数量
A	底部支架	1
B	开关	1
C	踏板组件	1
D	支脚	4
E	把手支架	1
F	10mm 棘轮短柄两用扳手	1
G	开口扳手（8-10）	1
H	开口扳手（13-16）	1
I	内六角扳手（1.5-8）	1
J	支腿	4
K	顶部支架（长）	2
L	顶部支架（短）	2
3	六角头螺栓 M6X16	32
4	弹垫圈 6	2
5	平垫圈 6	4
6	方螺母 M6	6
7	平垫圈 8	32
8	弹垫圈 8	4
9	内六角圆柱头螺钉 M8X25	4
21	t 型螺栓 M5X16	4
22	平垫圈 5	4
23	弹垫圈 5	4
34	六角螺母 M6	4
39	内六角平圆头螺钉 M6X20	4
48	六角头螺栓 M6X20	4

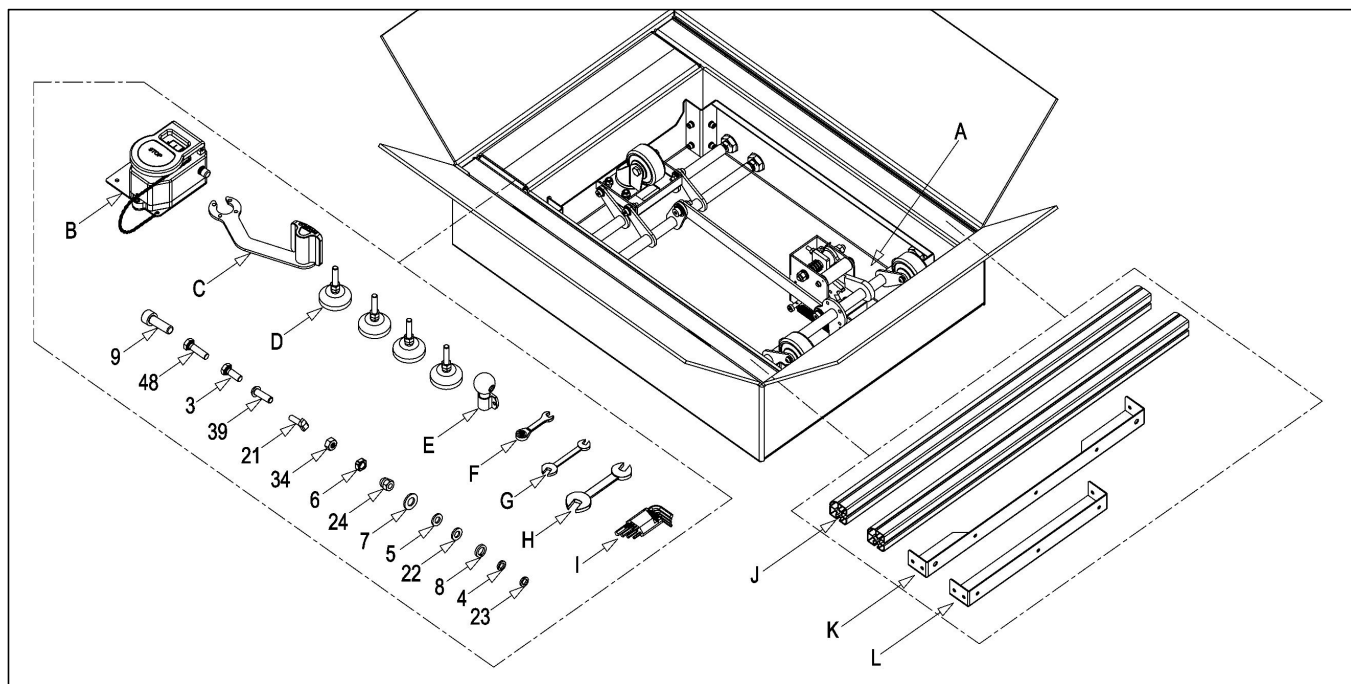


图 3

5.2 组装

按照图示步骤 a-i 依次安装

a. 将底架“A”倒置于桌面，取出踏板“C”固定于底架“A”上图示位置。

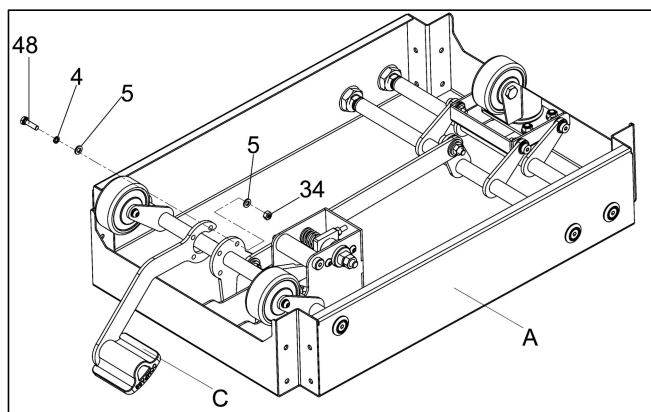


图 4

b. 将踏板“C”从状态“Ⅰ”上拉到极限，松手后回到状态“Ⅱ”；然后将紧固件“3”、“4”、“5”、“6”预装在底架“A”上 16 个孔内。

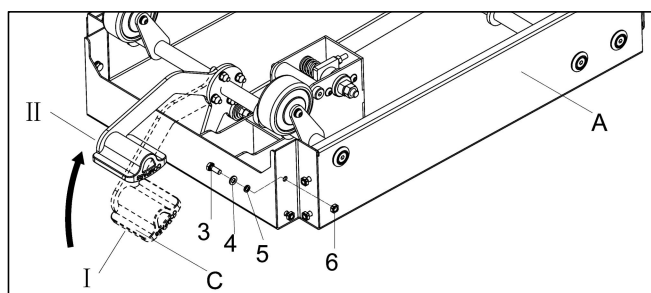


图 5

c. 将支腿“J”螺纹端从底架“A”下方插入，端部齐平后先手动预紧螺栓，再用工具旋紧；重复此步骤，安装其余 3 根支腿“J”。

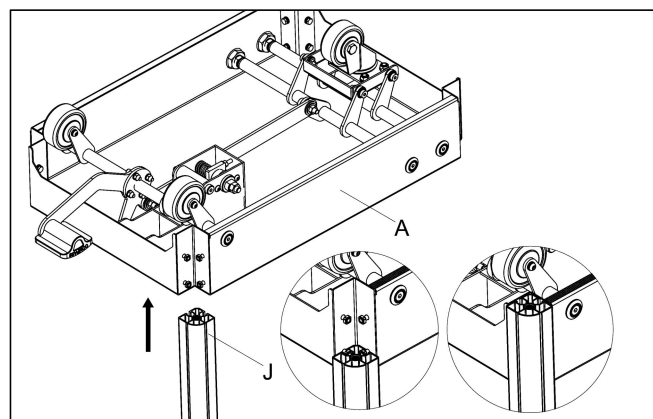


图 6

d. 将支脚“D”安装到支腿“J”上，旋至“h”最小；重复此步骤安装其余三个“D”。

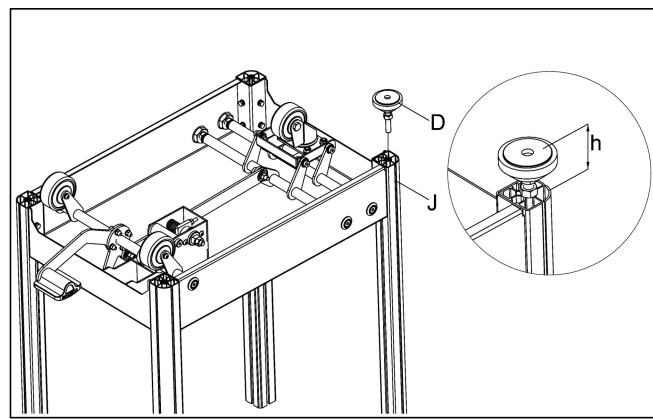


图 7

e.将支架翻转放置地面上，轻踩踏板“C”并缓慢抬起，使其从状态“II”回到状态“I”；将紧固件“3”、“4”、“5”、“6”预装在顶架“K”、“L”上16个孔内；将顶架“K”从支腿“J”上方插入，顶部齐平后先手动预紧螺栓，再用工具旋紧；重复此步骤，安装其余顶架“K”与“L”。

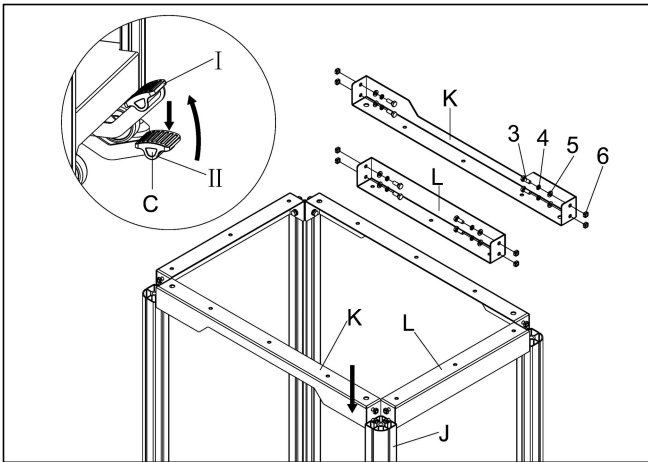


图 8

f.使用图示紧固件将把手支架“E”固定在支腿“J”上合适位置。

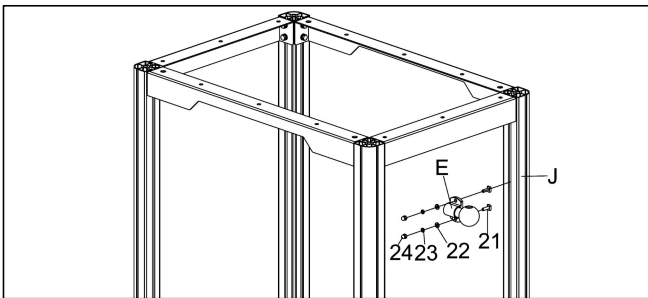


图 9

g.使用图示紧固件将开关“B”固定在靠近踏板侧支腿“J”上合适位置。

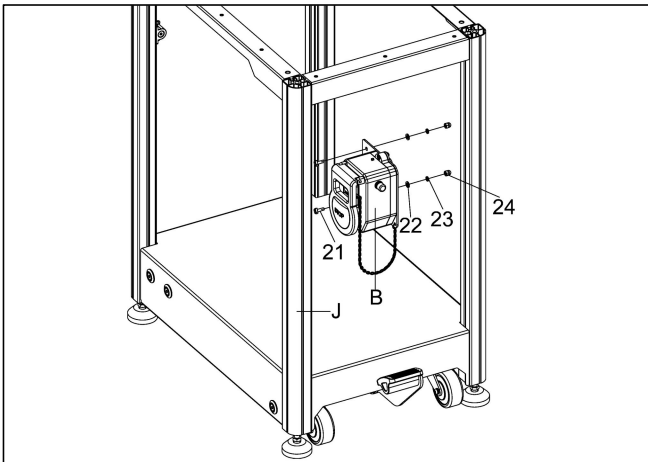


图 10

h.使用图示紧固件将您的台板固定在顶架“K”上。

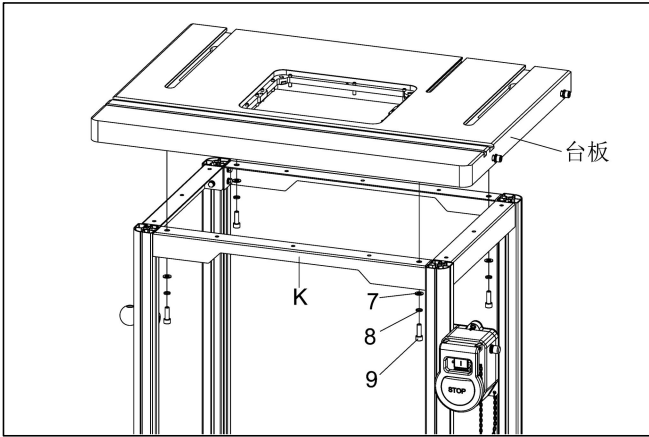


图 11

注意：若您的台板是海威 RT-685/800，则可通过顶架“K”上两侧孔位直接安装；若是自制木台板，则可参考图“1”顶架安装孔位，自行开孔安装您的台板。

i.首先将四个支脚“D”顺时针旋出相同圈数，直至滚轮比地面略高 0-2mm；然后根据台面平行情况微调支脚“D”，直到台面水平，旋紧支脚“D”上螺母。

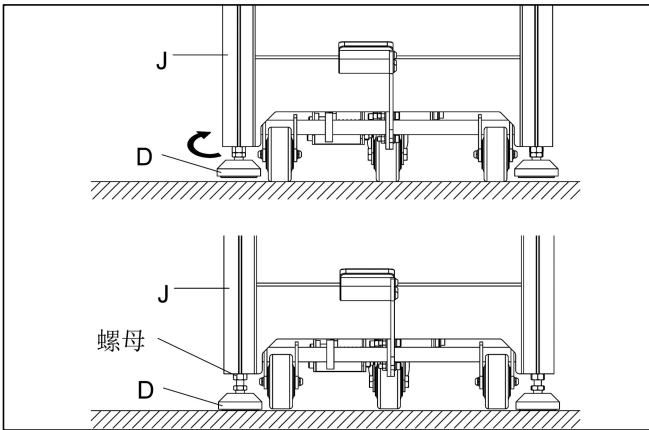


图 12

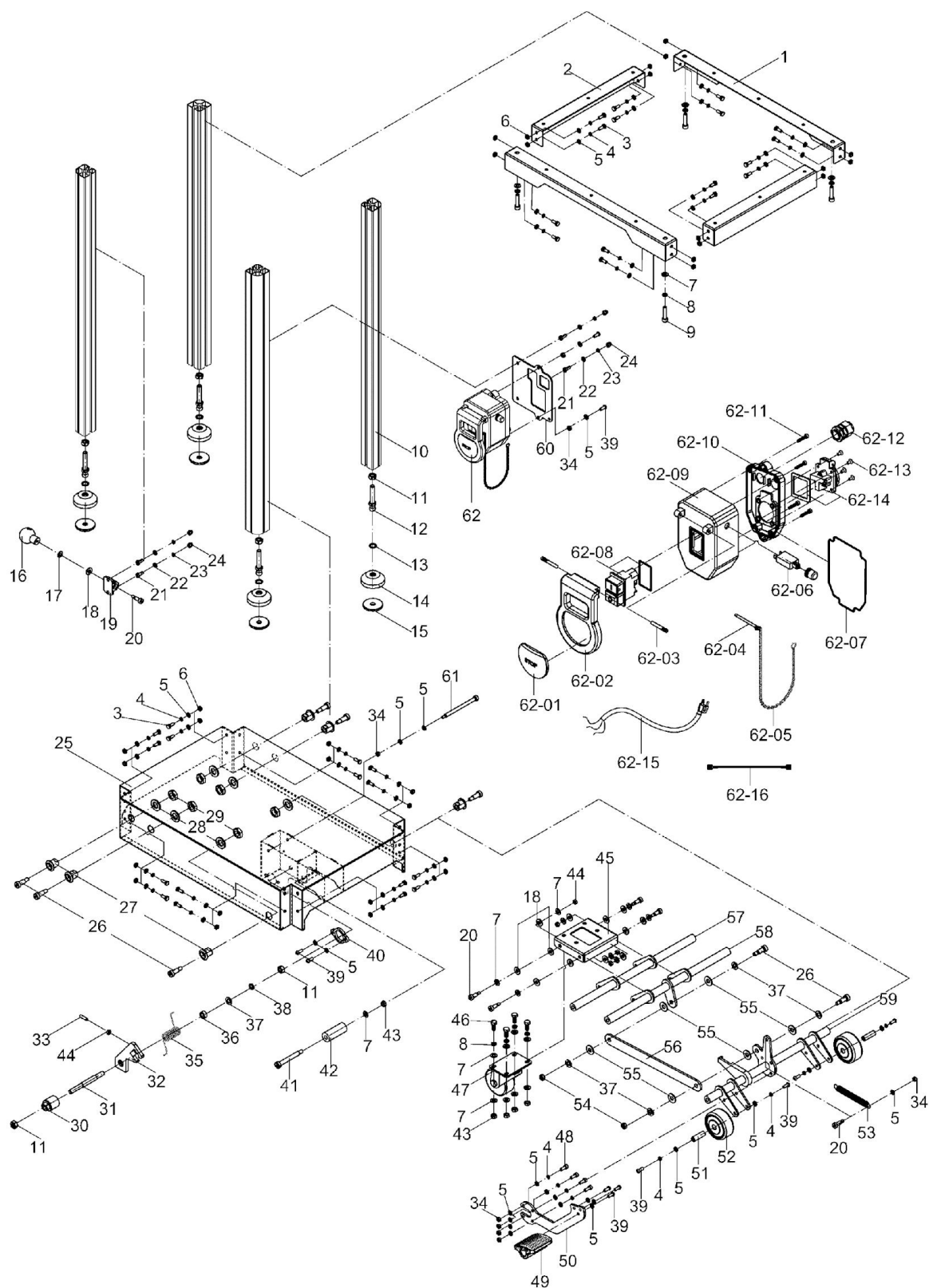
6.操作

需要开机使用时，首先把开关主电源线接入电路，然后将您的电木铣插头插入开关插座内，拔出安全销，按下绿色启动键即可开机使用。当您需要移动支架时，断开主电源线，踩下踏板，移动到您需要的位置时再次踩下踏板并缓慢抬起。

7.维护

RT-S 产品无需特别的维护，只要做好日常检查，定期清理，避免长期在潮湿环境使用，即可提高使用寿命。

Exploded View and Parts List



Router Table Stand parts

Router Table Stand parts list

REF	DESCRIPTION	QTY	REF	DESCRIPTION	QTY
1	Top bracket (long)	2	40	Swing shaft locking block	1
2	Top bracket (short)	2	41	Shoulder Bolt $\phi 10 \times 70$	1
3	Hexagon bolt M6x16	32	42	Buffer block	1
4	Spring washer 6	40	43	Nut M8	5
5	Flat washer 6	54	44	Lock nut M6	5
6	Square nut M6	32	45	Universal wheel mounting bracket	1
7	Flat washer 8	21	46	Hexagon bolt M8X20	4
8	Spring washer 8	8	47	Universal wheel	1
9	Cap screw M8x25	4	48	Cap screw M6x20	4
10	Leg	4	49	Foot Pedal	1
11	Nut M10	6	50	Pedal arm	1
12	Ball head screw	4	51	Roller shaft	2
13	O-Ring 2.65x14	4	52	Wheel	2
14	Supporting foot	4	53	Tension spring	1
15	Rubber mat	4	54	Lock nut M8	2
16	Handle bracket	1	55	Nylon washer $\phi 25 \times \phi 10 \times 2$	6
17	Disc spring 16	1	56	Connecting link	1
18	Nylon washer $\phi 19 \times \phi 8 \times 2$	13	57	Driven shaft	1
19	Handle bracket fixing block	1	58	Connecting link shaft	1
20	Shoulder Bolt $\phi 8 \times 16$	7	59	Drive shaft	1
21	T-bolt M5X16	4	60	Switch bracket	1
22	Flat washer 5	4	61	Shoulder Bolt $\phi 8 \times 90$	1
23	Spring washer 5	4	62	Switch	1
24	Cap nut M5	4	62-01	Plastic panel	1
25	Base Platform	1	62-02	Switch panel	1
26	Shoulder Bolt $\phi 10 \times 20$	8	62-03	Knurling pin $\phi 5 \times 25$	2
27	Shaft bushing	6	62-04	Pin with hole	1
28	Flat washer 20	6	62-05	Chain	1
29	Thin nut 20	6	62-06	Overload protection switch	1
30	Adjusting pad	1	62-07	Silicone foam round strip	1
31	Swing shaft	1	62-08	Electromagnetic switch	1
32	Swing tongue	1	62-09	Switch box	1
33	Set screw M6X25	1	62-10	Switch box rear cover	1
34	Nut M6	8	62-11	Cap screw M4x20	4
35	Torsional spring	1	62-12	Water joint PG13.5	1
36	Lock pad	1	62-13	Flat HD screw M4x12	4
37	Flat washer 10	5	62-14	Socket	1
38	Spring washer 10	1	62-15	Power line 14AWGX3C 5-15P	1
39	Button HD screw M6X16	11	62-16	Single core wire 2.5 mm ² X16cm	3



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