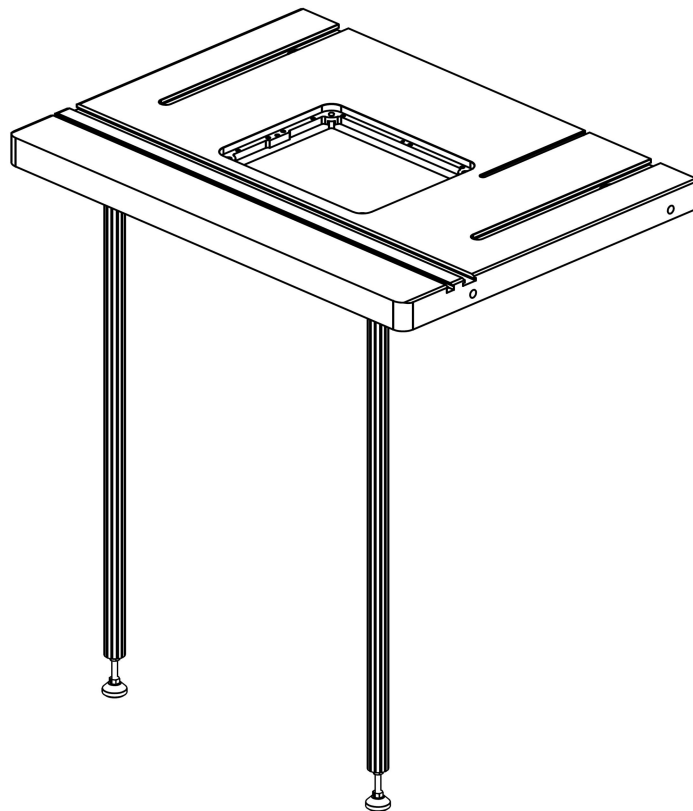




Cast Iron Router Table

Model: RT-685
RT-800



Revision B (2021-06-20)

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English Version

1. Introduction

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

The RT-685 and RT-800 are two router tables with different table dimensions. Either it can be installed on the table saw or modified to a standalone router table by adding a support.

The RT-685 is mainly suitable for the table saws with the table depth of 27"(685mm); the RT-800 is mainly suitable for the table saws with the table depth of 31-1/2"(800mm).

This router table is made of precision ground cast iron, featuring two T-slots. The table opening size is 11-3/4" x 9-1/4" x 2/5" (298.5x235x10mm), which can meet the installation requirements of most router lifts in the market.

The matched fence: RF-36

The matched dust collection cabinet: RT-DC

Main fit brands of Router Lift:

JesseM,

SawStop,

Kerg,

WoodPeckers

NOTICE

When choosing router lift, please pay attention to that if the table opening size is suitable.

2. Product Specifications

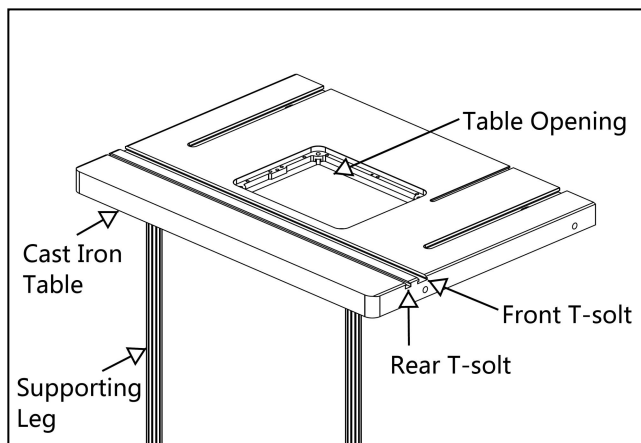


Fig. 1

RT-685

Table size.....	27"x23-1/4"x1-3/4"(685x590x45mm)
Table opening..	11-3/4"x9-1/4"x2/5"(298.5x235x10mm)
Front T-slot to Arbor Center.....	6"(152mm)
Front T-slot.....	3/4"x1"x3/8"(19.05x25.4x9.525mm)
Rear T-slot to Arbor Center.....	7-1/2"(190mm)
Rear T-slot.....	3/8"x9/16"x2/5"(9x14.2x10mm)
Net/Gross weight.....	89 lbs (40.5Kg) / 99 lbs (45Kg)
Package size.....	34-1/2"x29-1/8"x4"(870x740x100mm)

RT-800

Table size.....	31-1/2"x23-1/4"x1-3/4"(800x590x45mm)
Table opening..	11-3/4"x9-1/4"x2/5"(298.5x235x10mm)
Front T-Slot to Arbor Center.....	6"(152mm)
Front T-Slot.....	3/4"x1"x3/8"(19.05x25.4x9.525mm)
Rear T-Slot to Arbor Center.....	7-1/2"(190mm)
Rear T-Slot.....	3/8"x9/16"x2/5"(9x14.2x10mm)
Net/Gross weight....	102 lbs (46.5Kg) / 112 lbs (51Kg)
Package size.....	34-1/2"x29-1/8"x 4"(870x740x100mm)

3. Safety for Router Table

This attachment works with the router, you need to comply with the safety rules for using universal electric tools (refer to the Table Saw Instruction) and additionally pay special attention to the following safety precautions:

1. To avoid making contact with the spinning cutter, never place hands directly over or in front of the cutter. As one hand approaches the cutter, move it away and over to the other side. Always keep hands at least 6" away from the spinning cutter.

2. Never operate the router table without first making sure that all lock levers and knobs are tight, and that all fence hardware and fence rails are secure. Otherwise, the workpiece can slip out of alignment while cutting and cause injury from kickback.

3. Never force materials past the router. Let the cutter do the work. Excessive force is likely to result in poor cutting results and will cause kickback conditions that could cause serious personal injury.

4. The danger of kickback and injury is increased when the workpiece has knots, holes, or foreign objects in it. Warped stock should be run through a jointer before you run it through the router table.

5. Keep the cutter on the underside of the workpiece when making blind cuts. This will decrease the risk of accidental contact with the cutter.

6. 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.

7. With the router disconnected from power, rotate the router spindle to test any new setup to ensure proper cutter clearance before starting the router.

8. NEVER cut a workpiece without using a fence, jig, or miter. Otherwise, the workpiece can be grabbed by the cutter and pull your hands into the cutter.

9. 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.

10. Keep any unused portion of the cutter below the table surface to minimize the risk of making contact with the spinning cutter with your hands.

11. To prevent amputation or other injuries, always use a guard. Fabricate additional guards or jigs for special circumstances. Use an overhead guard if the fence is removed.

12. To prevent tripping over the router power cord when operating the table saw, always disconnect it and safely store it out of the way.

4. Inventory

Please check the contents of the shipping box with the inventory list below and Fig. 2&3.

Fig.2 is for RT-685;

Fig.3 is for RT-800.

Note: If you cannot find an item on this list, check the mounting location on the machine or the packaging materials. Sometimes parts are pre-installed for shipping, or they become hidden by packaging materials.

A. Router table.....	1
B. Supporting leg and foot.....	2
C. Washers for Supporting leg.....	2
D. Flat HD screws M6x25.....	4
E. Mounting screws kit.....	5
—Hex socket cap screws M8-1.25x 45.....	5
—Spring washers 8mm.....	5
—Flat washers 8mm.....	10
—Nuts M8.....	5
F. Mounting screws kit.....	2
—Hex bolts M8-1.25x 40.....	2
—Spring washers 8mm.....	2
—Flat washers 8mm.....	4
—Nuts M8.....	2
G. Mounting screws kit.....	3
—Hex socket cap screws M10-1.5 x 40.....	3
—Spring washers 10mm.....	3
—Flat washers 10mm.....	6
—Nuts M10.....	3

NOTICE

The Mounting screws kit **G** is only suitable for RT-685.

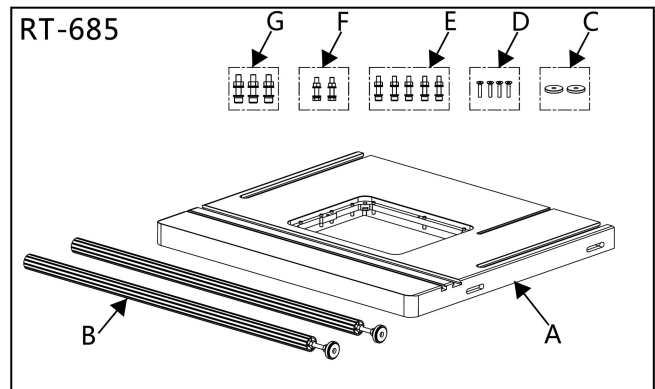


Fig. 2

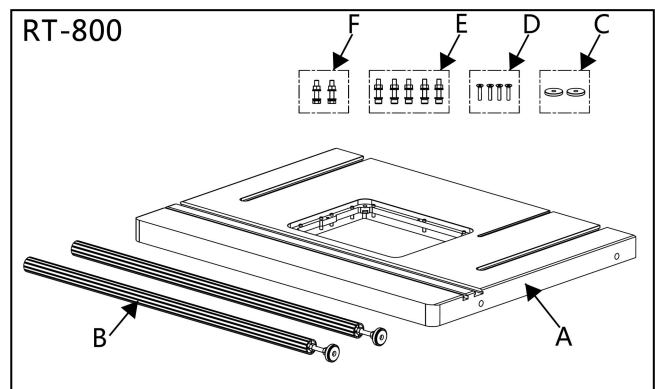


Fig. 3

5. Installation

This router table is designed to be installed on a table saw for use. RT-685 is mainly suitable for table saws with the table depth of 27 " (685mm). RT-800 is mainly suitable for table saws with the table depth of 31-1/2 " (800mm). For different installation methods or table saw brands, you may need to drill the mounting holes by yourself and modify the fence rail to accommodate the use of the T-slot of the router table.

There are 4 threaded holes of M8-1.25 underneath the table, as shown in Figure 4. You can also customize a router table stand and connect the stand with the table by using the 4 threaded holes. **The stability of the stand is essential for your safety. If possible, try to secure the stand to the floor or to the woodworking bench.**

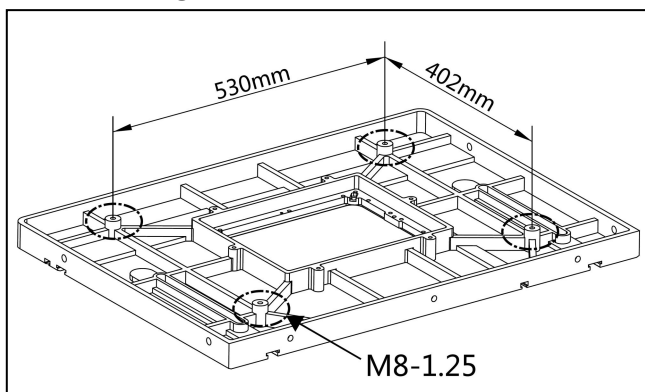


Fig. 4

Please read this chapter thoroughly before installation.

NOTICE

During installation, you may need to drill mounting holes for some positions, you can use the mounting holes on the router table as a template for marking locations.

Harvey's table saw is taken as an example to explain the installation. For the installation of table saws by other brands, you can refer to this introduction.

5.1 Installation position

The router table can be installed either on the right or left side of the saw blade. The installation position of RT-800 and RT-685 is stated respectively as followings.

1. Installation of RT-800

(Take Harvey Alpha table saw as an installation example.)

Installed on the left side of saw blade: Install the router table to the left extension wing, as shown in Fig. 5. This installation position requires you to drill the mounting holes on the side of extension wing.

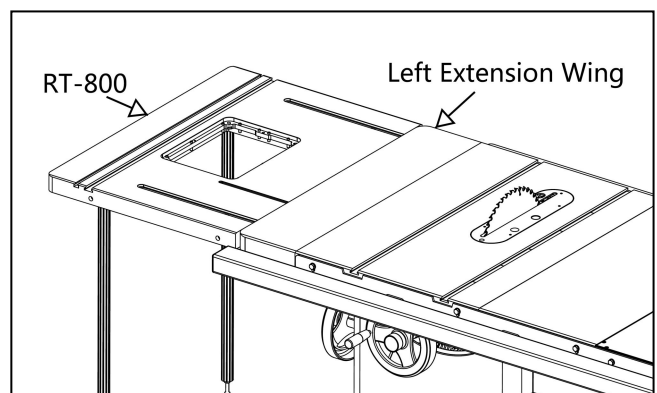


Fig. 5

Installed on the right side of saw blade: Replace the extension table of 505mm width with the router table at the same position.

Fig.6 shows the router table on the table saw with the 36" fence rail.

Fig.7 shows the router table on the table saw with the 52" fence rail.

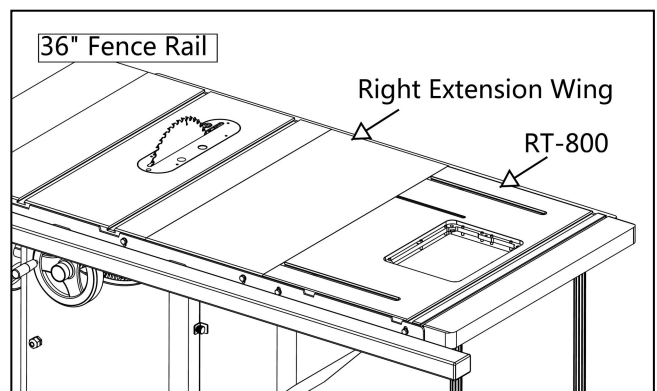


Fig. 6

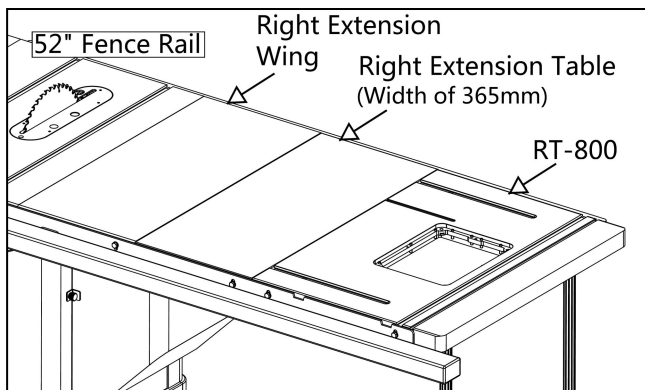


Fig. 7

2. Installation of RT-685

(Take Harvey Ambassador table saw as an installation example.)

Installed on the left side of saw blade: Install the router table to the left extension wing, as shown in Fig. 8. This installation position requires you to drill the mounting holes on the side of extension wing.

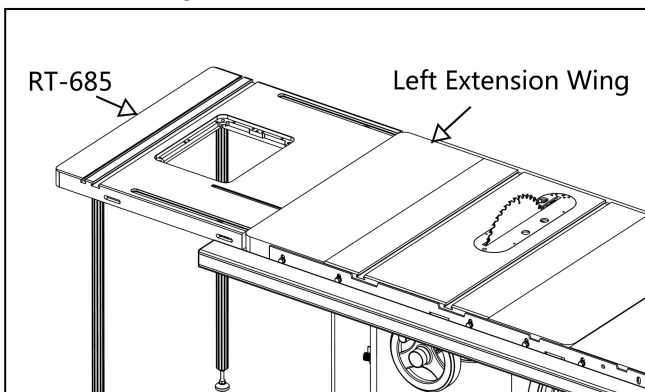


Fig. 8

Installed on the right side of saw blade:

For table saw with the **30" fence rail**, replace the extension table with the router table at the same position, as shown in Fig. 9.

For table saw with the **50" fence rail**, modify the width of extension table into 340mm (or make a new one), and reinstall it. Install the router table to the side of the modified or newly made extension table, as shown in Fig. 10.

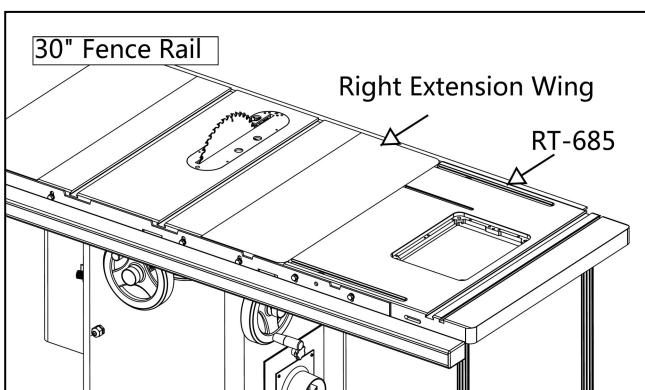


Fig. 9

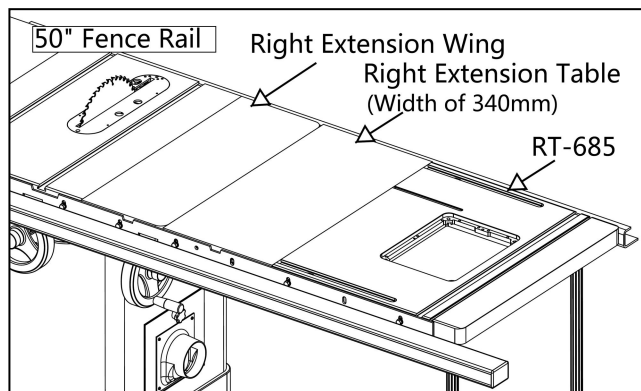


Fig. 10

5.2 Installation steps

⚠ WARNING

The table saw must be disconnect with the power before any installation.

1. As shown in Fig. 11, mount the supporting legs to the router table. Adjust the supporting feet until the distance between the feet and the router table is almost as same as the height of the table saw. Do not lock the supporting feet at this time, so as to facilitate subsequent adjustment.

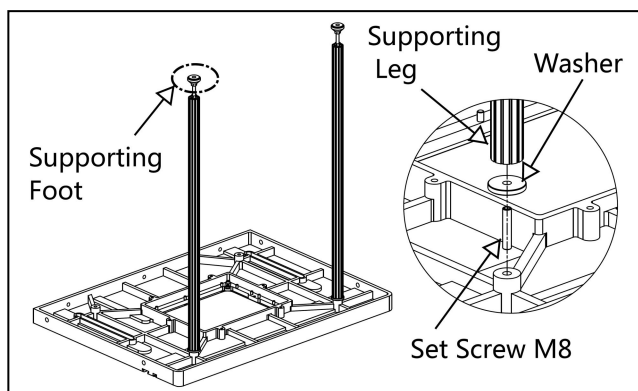


Fig. 11

2. With the assistance of at least one another person, turn the table and leg assembly upside down, connect the router table to the table saw extension wing and secure them together with screws, as shown in Fig. 12. Align the router table and table saw surface, then lock the screws. After the alignment, lock the supporting feet, so that they are in contact with the floor.

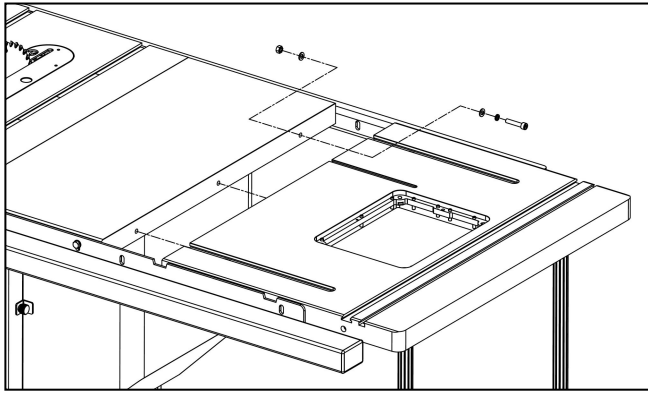


Fig. 12

NOTICE

The hardware supplied with RT-685 & RT800 is mainly suitable for the installation of Harvey's table saws. For other brands of table saws, if the supplied hardware can not match, you may need to find the matching hardware or drill the matching threaded holes. Utilizing the original hardware of your table saw is a good choice.

RT-685 provides two sets of hardware, please choose to use as needed.

3. The router table needs to be fixed with the fence rail if it is installed on the right side of the saw blade, as shown in Fig. 13.

NOTICE

For Harvey's table saws, the mounting holes on the fence rail is matched with this router table. For other brands of table saw, if you can't find the matched holes on the fence rail, you need to drill the mounting holes by yourself.

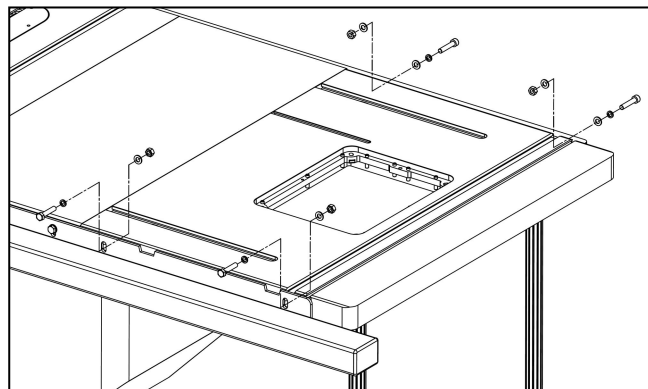


Fig. 13

4. If the fence rail of your table saw blocks the T-slots of the router table, you will have to modify the top of the rails, this entails making a cut-out that matches or exceeds the dimensions of the router table T-slot, as shown in Fig. 14.

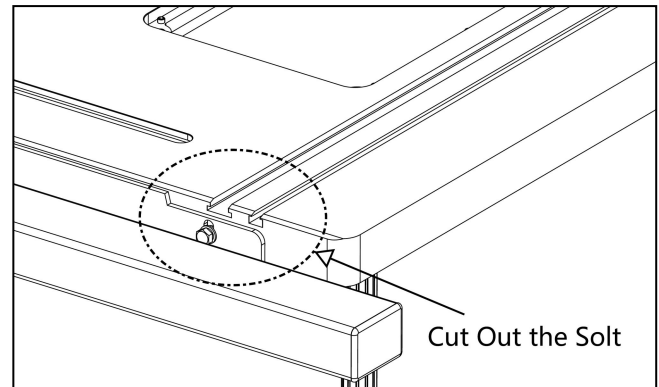


Fig. 14

5. Install the Router Lift

The RT-685 & RT-800 are suitable for most main brands of Router Lift in the market, the installation methods is as shown in Fig. 15&16. During installation, the supplied M6x25 Flat HD Screws must be used for securing.

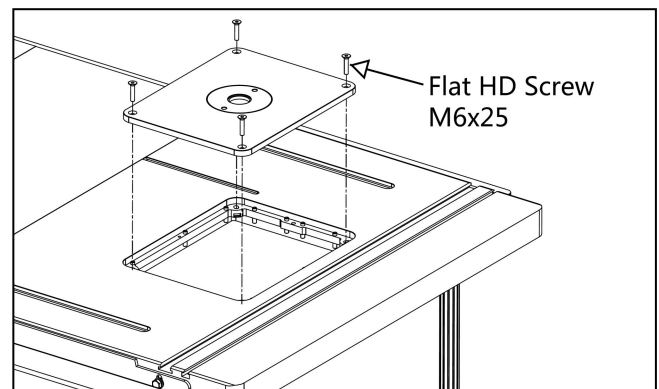


Fig. 15

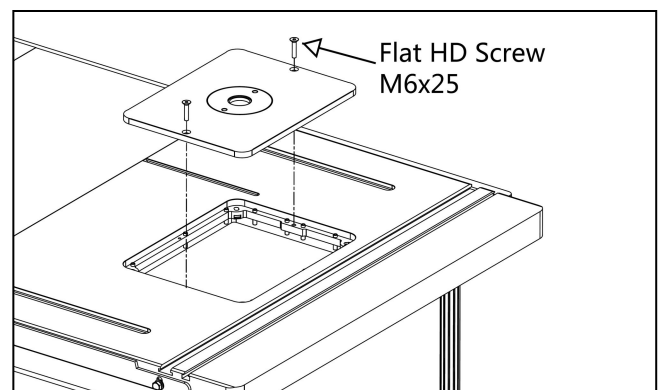


Fig. 16

NOTICE

When choosing router lift, please pay attention to that if the table opening size is suitable.

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-685、RT-800 为二款台面宽度尺寸不同的电木铣工作台，可以自制一个支架，改造为一个独立的电木铣工作台；也可以安装在台锯上进行使用。RT-685 台板宽度 27" (685mm), 主要适用于台板深度 27" (685mm) 的台锯；RT-800 台板宽度 31-1/2" (800mm)，主要适用于台板深度 31-1/2" (800mm) 的台锯。

本款电木铣工作台为精磨铸铁台面，配备双 T 型槽，铸铁台面开口尺寸 11-3/4" x 9-1/4" x 2/5" (298.5x235x10mm)，适配市场大多数主流品牌 **ROUTER LIFT** 的安装。

工作台配套靠山型号：RF-36

工作台配套集尘箱型号：RT-DC

主要适配 **ROUTER LIFT** 品牌：

JessEM

SawStop

Kerg

WoodPeckers

⚠ NOTICE

在选择 **ROUTER LIFT** 时，注意选择与铸铁台面开口尺寸匹配的型号。

2. 产品规格

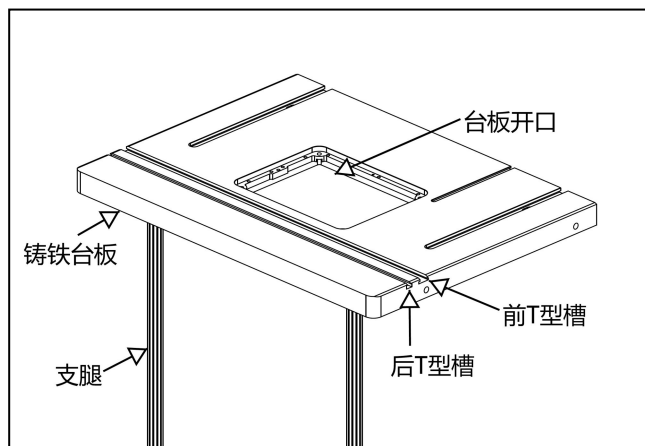


图 1

RT-685

台板尺寸-----27"x23-1/4"x1-3/4"(685x590x45mm)

台板开口---11-3/4"x9-1/4"x2/5"(298.5x235x10mm)

前 T 型槽到主轴中心的距离-----6"(152mm)

前 T 型槽尺寸---3/4"x1"x3/8"(19.05x25.4x9.525mm)

后 T 型槽到主轴中心的距离-----7-1/2"(190mm)

后 T 型槽尺寸-----3/8"x9/16"x2/5"(9x14.2x10mm)

毛重/净重-----89 lbs (40.5Kg) / 99 lbs (45Kg)

包装尺寸-----34-1/2"x29-1/8"x 4"(870x740x100mm)

RT-800

台板尺寸-31-1/2"x23-1/4"x1-3/4"(800x590x45mm)

台板开口---11-3/4"x9-1/4"x2/5"(298.5x235x10mm)

前 T 型槽到主轴中心的距离-----6"(152mm)

前 T 型槽尺寸---3/4"x1"x3/8"(19.05x25.4x9.525mm)

后 T 型槽到主轴中心的距离-----7-1/2"(190mm)

后 T 型槽尺寸-----3/8"x9/16"x2/5"(9x14.2x10mm)

毛重/净重-----102 lbs (46.5Kg) / 112 lbs (51Kg)

包装尺寸-----34-1/2"x29-1/8"x 4"(870x740x100mm)

3. 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外（参考台锯说明书），还须遵循以下安全事项：

1. 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。

2. 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。

3. 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。

4. 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。

5. 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。

6. 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。

7. 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）。

8. 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。

9. 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，可能会将您的手部卷入正在旋转的铣刀中。

10. 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。

11. 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。

12. 为了防止在操作台锯时，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。

4. 包装清单

请参考图 2、图 3 和下方对应的清单，核对您的产品。

图 2 对应 RT-685。

图 3 对应 RT-800。

注意:

如果您在清点时发现缺失部件，请检查安装位置或仔细检查包装材料，可能有些部件出于运输目的，我们会预装在产品上。

A. 电木铣工作台.....	1
B. 支腿和支脚.....	2
C. 支腿垫片.....	2
D. 内六角沉头螺钉M6x25.....	4
E. 安装螺钉套件.....	5
——内六角圆柱头螺钉M8-1.25x 45.....	5
——弹垫8mm.....	5
——平垫8mm.....	10
——螺母M8.....	5
F. 安装螺钉套件.....	2
——六角头螺钉M8-1.25x 40.....	2
——弹垫8mm.....	2
——平垫8mm.....	4
——螺母M8.....	2
G. 安装螺钉套件.....	3
——内六角圆柱头螺钉M10-1.5 x 40.....	3
——弹垫10mm.....	3
——平垫10mm.....	6
——螺母M10.....	3

⚠ NOTICE

安装螺钉套件 G 只适用于 RT-685。

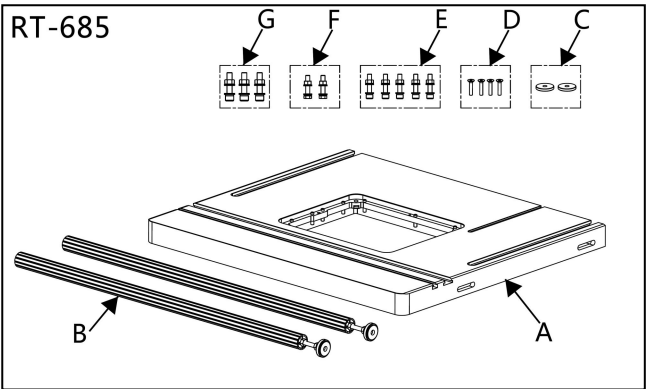


图 2

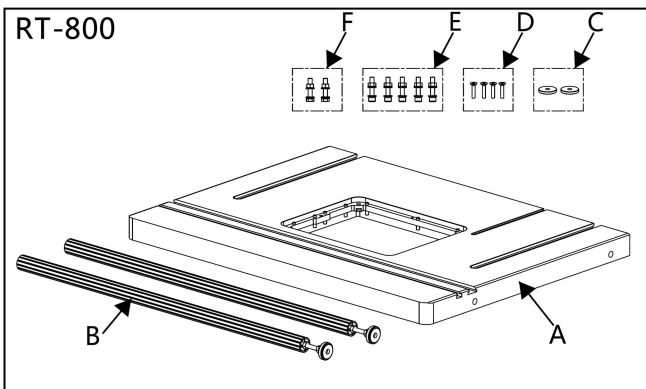


图 3

5. 安装

本款电木铣工作台附件的设计初衷是安装到台锯上进行使用，RT-685 主要适用于台板深度 27" (685mm) 的台锯；RT-800 主要适用于台板深度 31-1/2" (800mm) 的台锯。针对不同的安装方式或不同品牌的台锯，您可能需要自行加工安装孔，您可能还需要对靠山导轨进行改装，以适配电木铣工作台 T 型槽的使用。

台板底部预留有 4 个 M8-1.25 的螺纹孔，如图 4 所示，您也可以自制一个电木铣工作台支架，利用这四个螺纹孔，将台板与支架连接起来。**支架的稳定性对您的安全非常重要，如有可能，尽量将支架与地面或木工桌固定起来。**

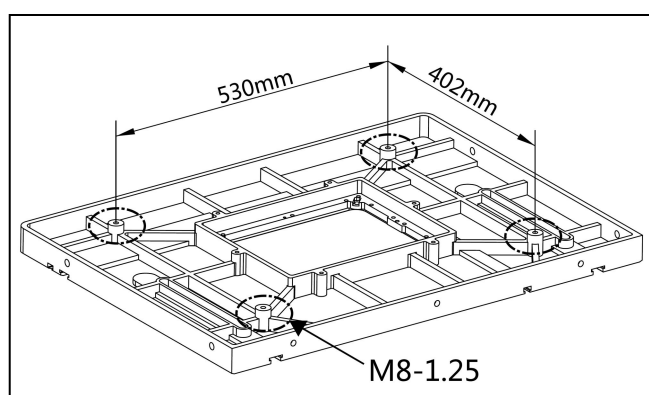


图 4

本章节将重点介绍如何安装到台锯上，在开始安装前，请完整阅读此章节，以确保能够适配您的台锯。

⚠ NOTICE

安装过程中，很多地方需要加工安装孔，可使用电木铣工作台上的安装孔当做模板，标出安装孔的位置进行加工。

本章节以海威机型为例进行安装介绍，针对其他品牌台锯的安装，可参考执行。

5.1 安装位置介绍

电木铣工作台可以安装在锯片左侧，也可安装在锯片右侧，下面分别对 RT-800、RT-685 二种型号电木铣工作台的安装位置做介绍。

1. RT-800 安装位置

(以海威 ALPHA 系列台锯作为安装示例)

锯片左侧安装：电木铣工作台安装在锯片左侧副台板侧面，如图 5，该安装需在延伸台板侧面加工安装孔。

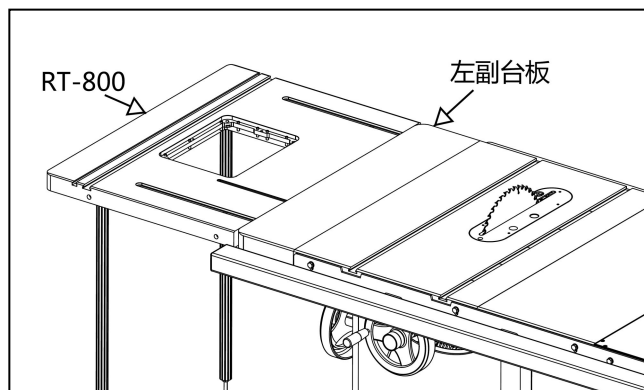


图 5

锯片右侧安装：拆除右侧 505mm 宽度的延伸木台板，在原来安装延伸木台板的位置直接安装电木铣工作台。

36" 导轨机型安装效果如图 6 所示。

52" 导轨机型安装效果如图 7 所示。

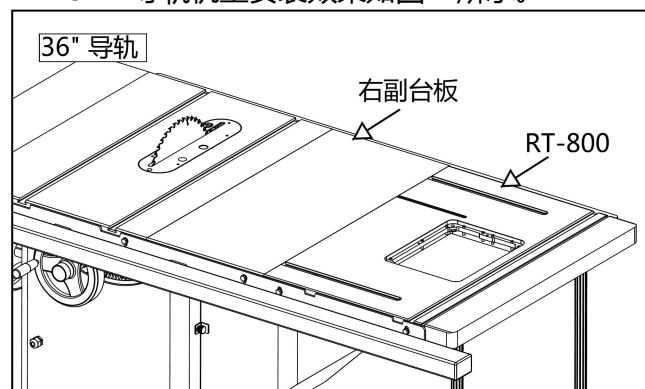


图 6

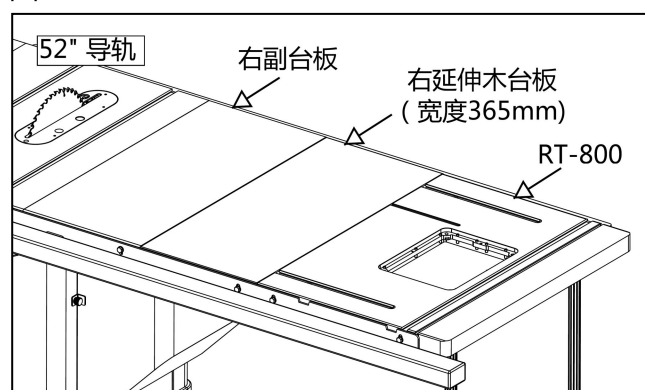


图 7

2. RT-685 安装位置

(以海威 Ambassador 系列台锯作为安装示例)

锯片左侧安装：电木铣工作台安装在锯片左侧副台板侧面，如图 8，该安装需在副台板侧面加工安装孔。

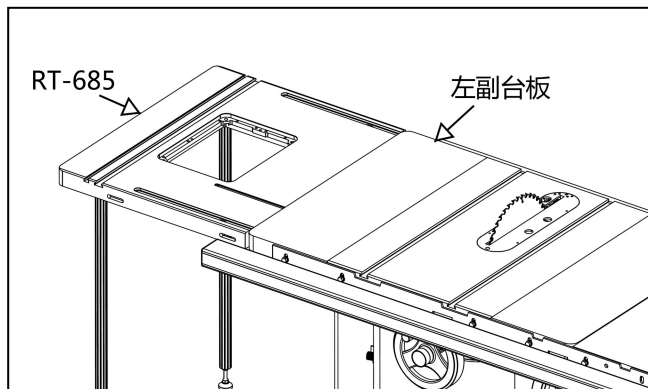


图 8

锯片右侧安装：

针对 30" 导轨的台锯，拆除右侧延伸木台板，将电木铣工作台安装在右副台板侧面 如图 9 所示。

针对 50 "导轨的台锯，拆下右侧延伸木台板，将该木台板改造为 340mm 宽度的木台板（或新做），重新安装上去，然后将电木铣工作台安装在该木台板的侧面，如图 10 所示。

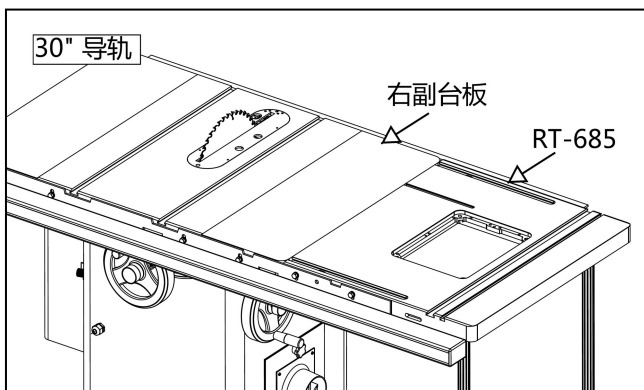


图 9

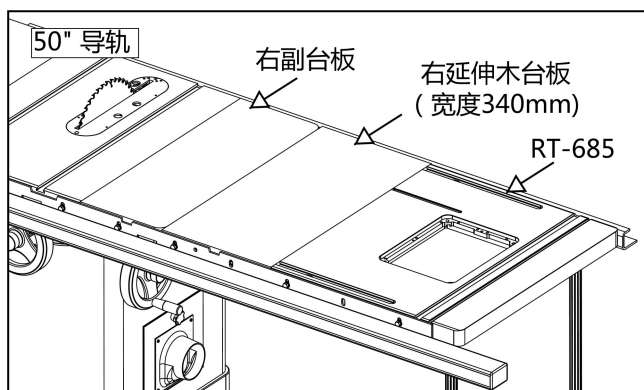


图 10

5.2 安装步骤

⚠ WARNING

安装前，必须切断台锯电源。

1. 如图 11，将支腿安装到台板上，调整支脚位置，使支脚到台板台面的距离与台锯高度基本一致，此时不要锁紧支脚，以便于后续调整。

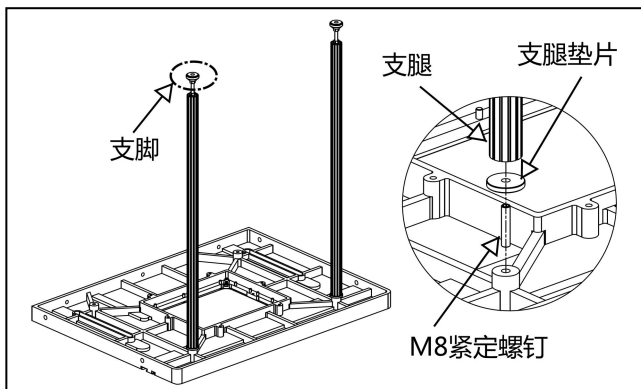


图 11

2. 在至少另外一人的协助下，将台板翻转过来，如图 12 所示，将电木铣工作台与台锯副台板或延伸木台板连接起来。调整电木铣工作台位置，与台锯台面调整平齐后锁紧。在调整平齐的情况下，锁紧支脚，注意使支脚与地面接触。

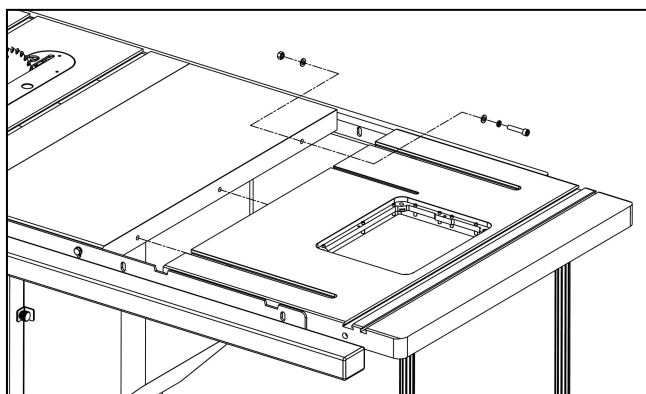


图 12

⚠ NOTICE

RT-685 & RT800 所提供的与副台板或延伸木台板连接的安装标准件，主要适用于海威系列台锯的安装，针对其他品牌的台锯，如所提供的标准件无法匹配，您需要配打螺纹孔或寻找匹配的标准件，利用原设备的标准件是个不错的选择。

RT-685 提供了 2 套标准件，根据需要使用。

3. 安装在台锯锯片右侧的电木铣工作台, 需要将台板与导轨固定, 如图 13 所示。

NOTICE

针对海威品牌的台锯, 电木铣工作台上配置了与导轨匹配的安装孔, 针对其他型号的台锯, 如电木铣工作台上找不到与导轨匹配的安装孔, 你需要在导轨上配钻螺纹孔进行固定。

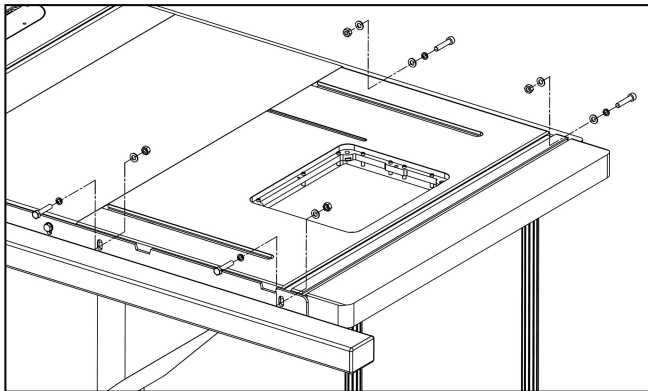


图 13

4. 如果您的台锯导轨挡住了电木铣工作台的 T 型槽, 您需要在导轨上切出一个槽口, 否则会影响您的使用, 如图 14 所示。

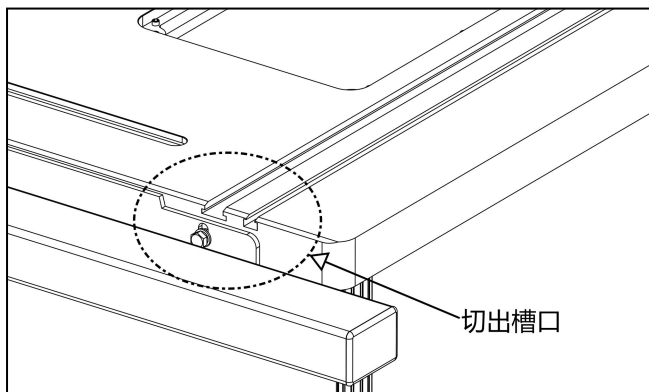


图 14

5. 安装 ROUTER LIFT

RT-685 & RT-800 电木铣工作台适配市场大多数主流品牌 **ROUTER LIFT** 的安装, 安装方式如图 15、图 16 所示。安装时必须使用本产品随机配置的内六角沉头螺钉 M6X25 进行固定。

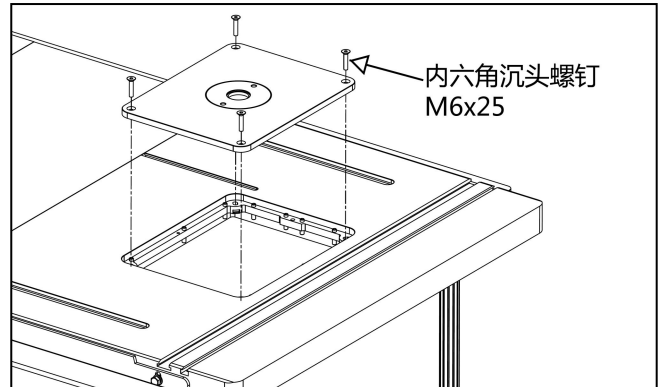


图 15

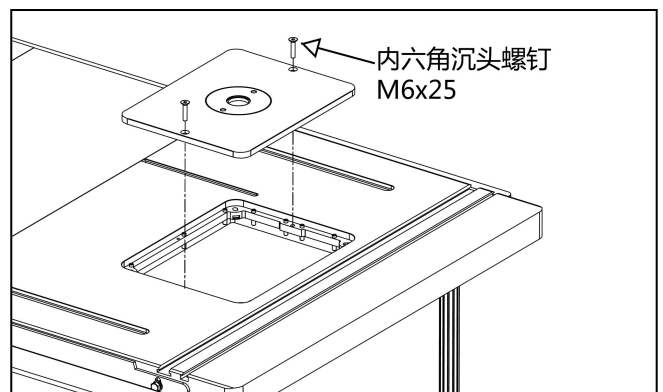


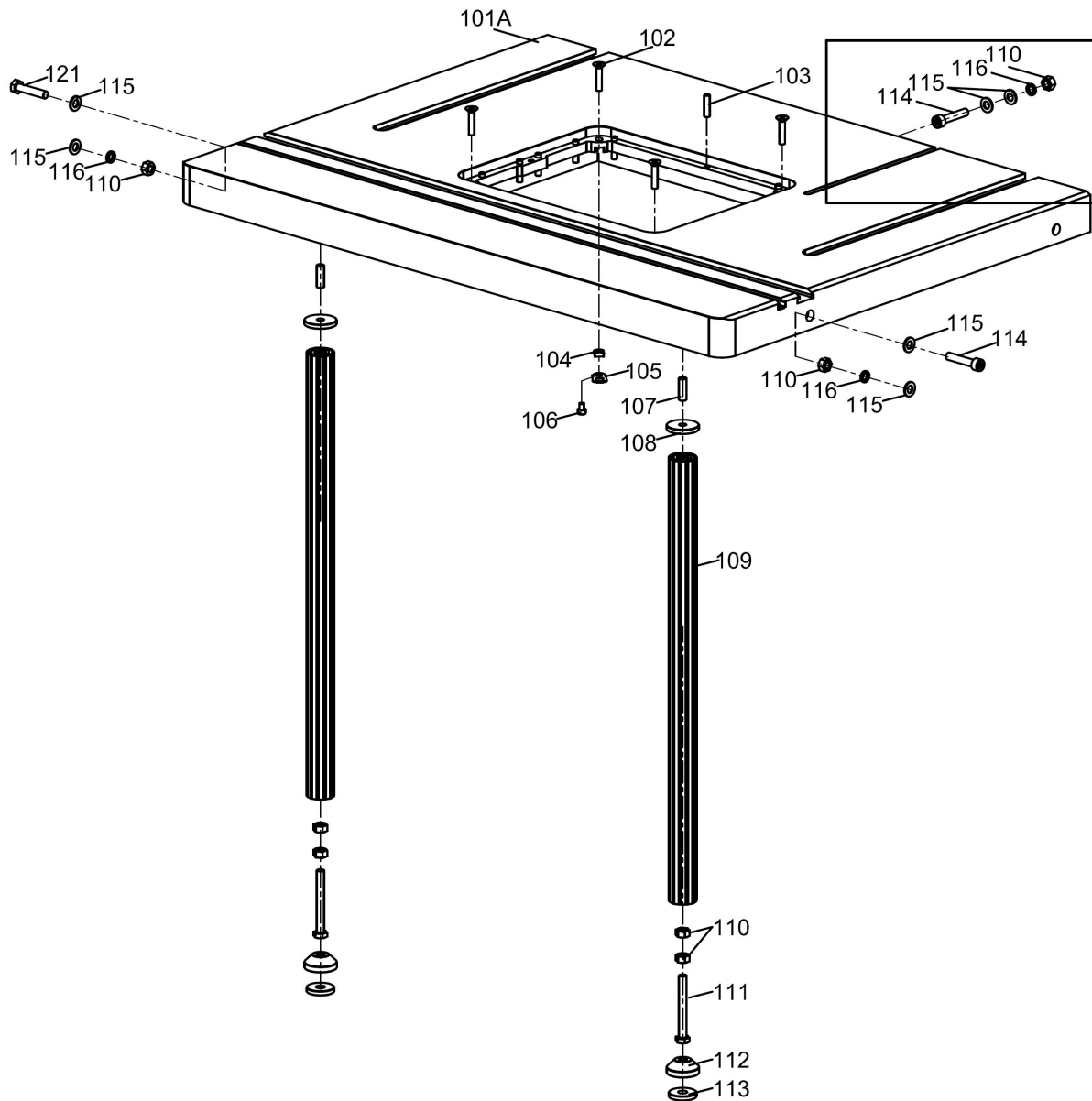
图 16

NOTICE

选择 ROUTER LIFT 的时候, 注意安装尺寸与台板开口尺寸匹配。

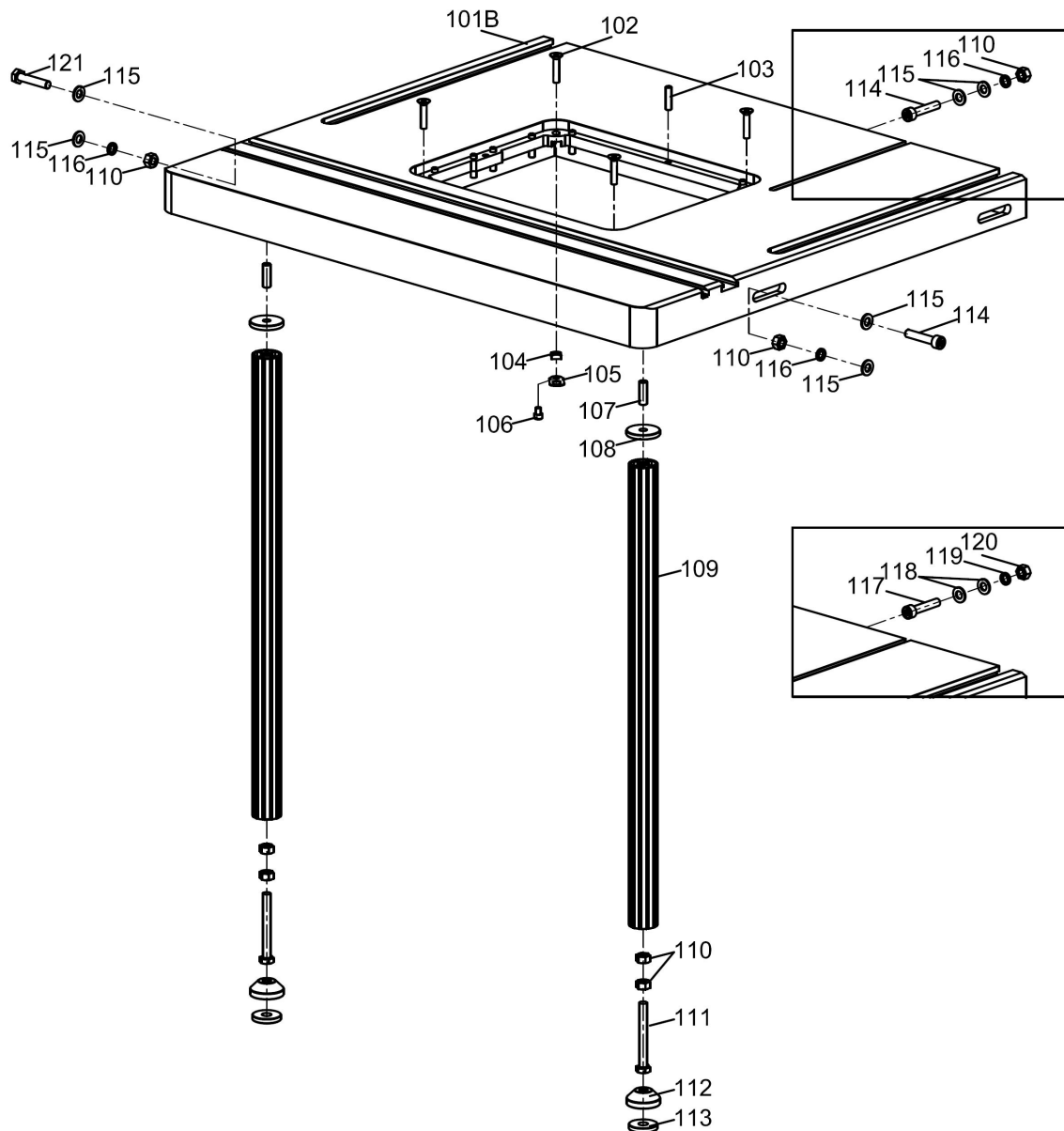
Exploded View and Parts List

RT-800



REF	DESCRIPTION	QTY	REF	DESCRIPTION	QTY
101A	Router table	1	112	Foot	2
102	Flat HD screw M6x25	4	113	Rubber blanket	2
103	Set screw M6x25	14	114	Cap screw M8x45	5
104	Square nut M6	4	115	Flat big washer 8	14
105	Square nut fixing plate	4	116	Lock washer 8	7
106	Cap screw M6x6	4	121	Hex bolt M8x40	2
107	Set screw M8x40	2			
108	Washer for support leg	2			
109	Support leg	2			
110	Nut M8	11			
111	Hex bolt M8x70	2			

RT-685



REF	DESCRIPTION	QTY	REF	DESCRIPTION	QTY
101B	Router table	1	112	Foot	2
102	Flat HD screw M6x25	4	113	Rubber blanket	2
103	Set screw M6x25	14	114	Cap screw M8x45	5
104	Square nut M6	4	115	Flat big washer 8	14
105	Square nut fixing plate	4	116	Lock washer 8	7
106	Cap screw M6x6	4	117	Cap screw M10x40	3
107	Set screw M8x40	2	118	Flat washer 10	6
108	Washer for support leg	2	119	Lock washer 10	3
109	Support leg	2	120	Nut M10	3
110	Nut M8	11	121	Hex bolt M8x40	2
111	Hex bolt M8x70	2			



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