Assembly Instructions

Riley CURE TABLE TOP

RILEY HOPKINS TABLE TOP CONVEYOR DRYER

IMPORTANT INSTRUCTIONS:

Read all these instructions before installing or using this equipment. Verify that the proper tools, materials, and personnel are available for the safe and successful use of the dryer.

Ryonet is interested in the safe operation of its equipment. All wiring to this equipment must be connected to the electrical source in strict accordance with National Electrical Code (N. E. C.) and local codes having jurisdiction.

Do not use extension cords to power this equipment.

Before installing this equipment, the user must be aware of the safety requirements as specified by the National Fire Protection Association (NFPA).

/// CAUTION! ///

Puncture of the element face may result in a shock hazard.

- The unit will be hot during operation. Avoid touching the metal surfaces while in operation.
- Extreme caution is necessary when any dryer is used by or near children. Parental supervision is required.
- Do not use an extension cord with this product.
- Do not use outdoors in uncovered area.
- Do not use it in areas where flammable vapors or liquids are used or stored.
- Do not operate the unit without the belt moving. It must be moving at a low speed at the very least to avoid damage to the belt.
- The unit will reach full temperature within 5- 10 minutes. DO NOT place hands inside unit during heat-up process.
- Do not operate any heater after it malfunctions. Disconnect power at service panel and have heater inspected by a reputable electrician before reusing.
- To disconnect the dryer, turn off the power to the dryer circuit at the main disconnect panel.
- Do not insert or allow foreign objects to enter any ventilation opening as this may cause an electric shock or fire, or damage to the dryer.
- A dryer has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
- Use this dryer only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

RETAIN THIS MANUAL FOR FUTURE REFERENCE

Please review all these instructions prior to assembly. Please make sure all pieces have been received before attempting assembly. Unpack, identify, and inspect all parts. Report any missing or damaged items.

/// WARNING ///

DO NOT plug the equipment in (or apply power) until instructed to do so. Any attempt to operate the RileyCure Table Top without the cord/plug provided by the manufacturer will **void the warranty**.

Power Requirements

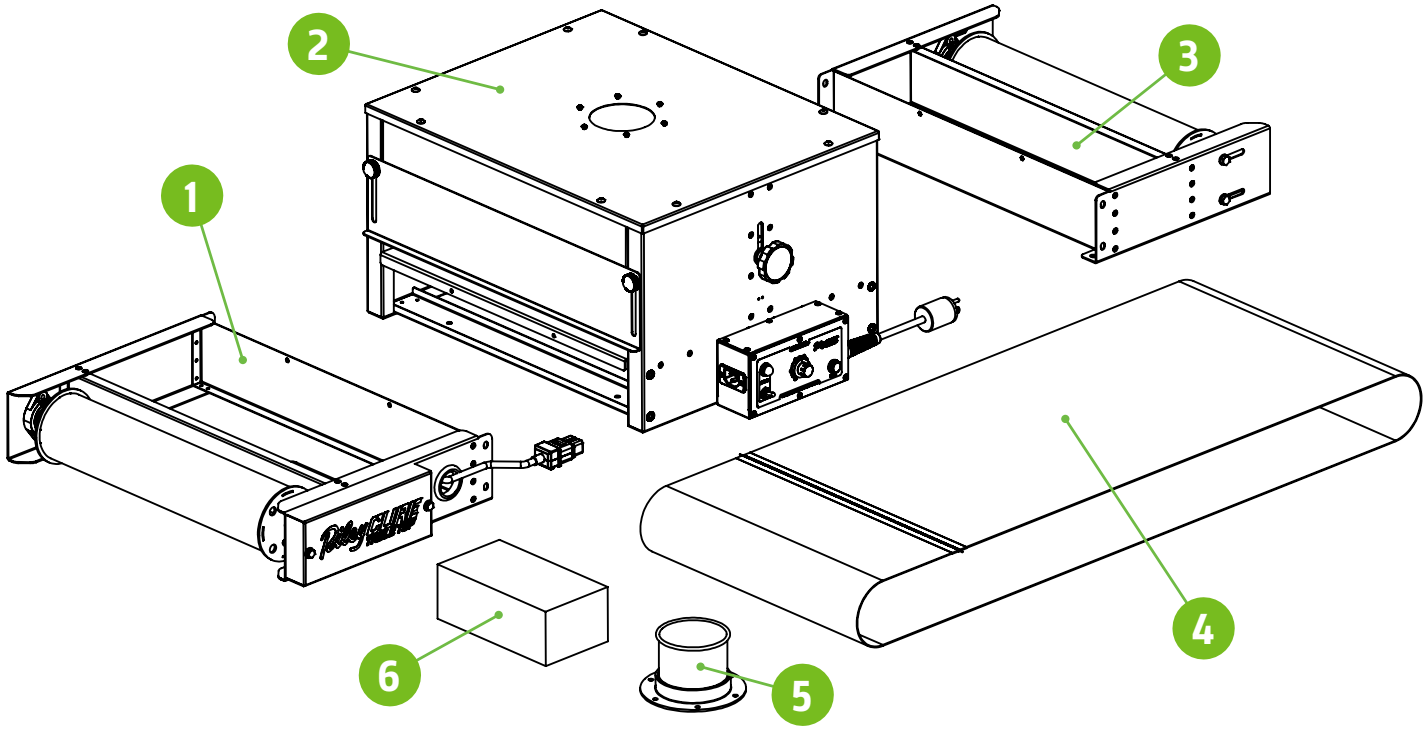
WATTS	VOLTS	AMPS	FREQUENCY	PHASE	PLUG
1600	120	13.8	50/60 HZ	1	NEMA 5-15P

TOOLS REQUIRED:

• (x1) 1/2” wrench • (x1) 1/8” Allen wrench • (x1) 7/16” Allen wrench • (x1) Phillips screwdriver

What’s in the box

TAG	ITEM	QTY.
1	MOTOR SIDE ROLLER ASSEMBLY	1
2	MAIN CONVEYOR BODY ASSEMBLY	1
3	ADJUSTABLE SIDE ROLLER ASSEMBLY	1
4	18” X 96” BELT	1
5	4” DUCT FLANGE	1
6	HARDWARE KIT	1

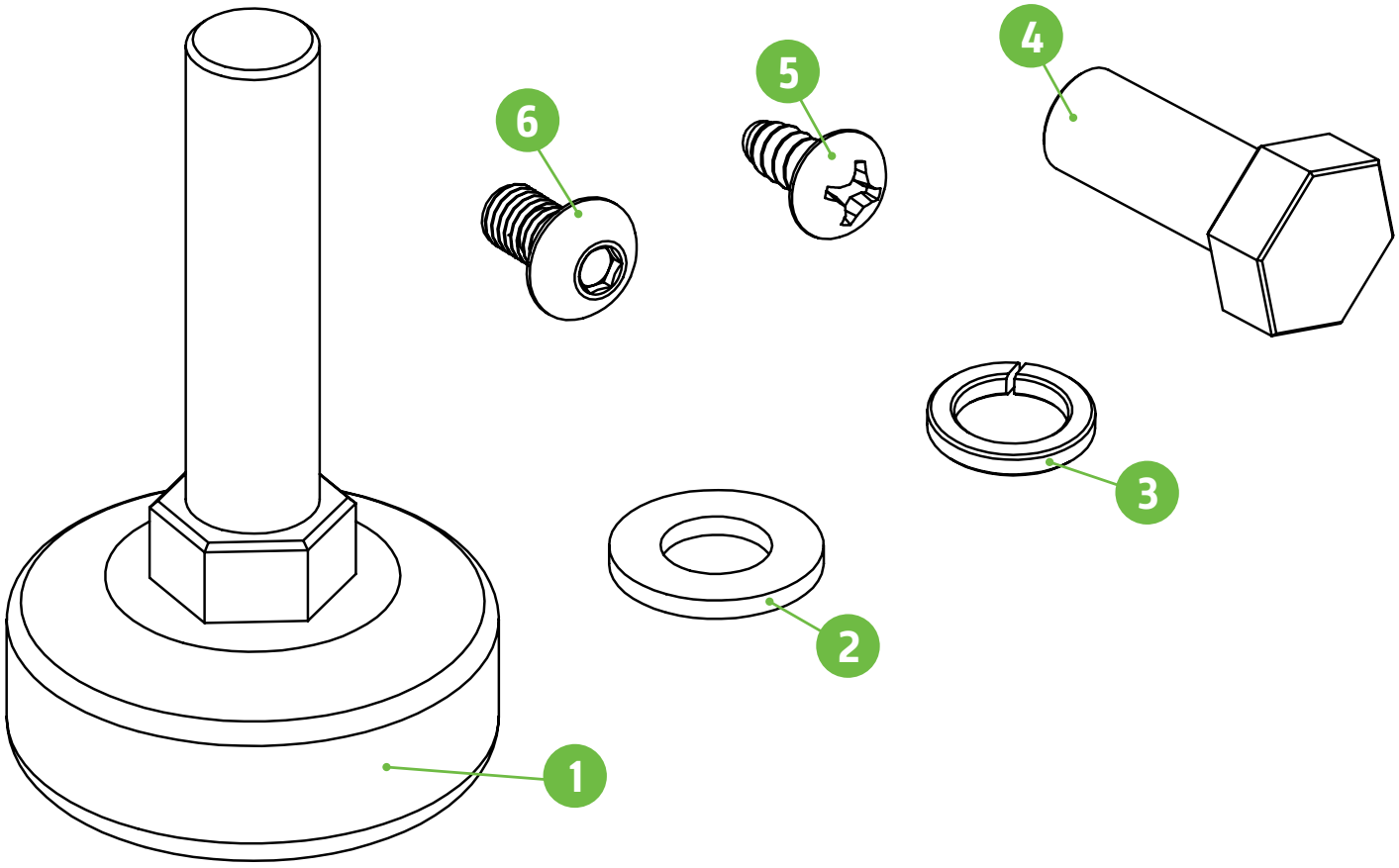


MFSA-CDTT-KIT RILEY HOPKINS TABLETOP CONVEYOR DRYER HARDWARE KIT

What's in the hardware kit box

TAG	ITEM	DESCRIPTION	QTY.
1	PRHD-LF3/8NC1-1/2GR5ZC	3/8 X 1-1/2 STEM WHITE POLY LEVELING BLOCK	4
2	PRHD-WA1/4USSGR5ZC	1/4 USS FLAT WASHER ZINC	12
3	PRHD-LWA5/16GR5ZC	5/16 SPLIT LOCK WASHER	12
4	PRHD-HC5/16NC3/4GR5ZC	5/16-18 X 3/4 HEX CAP SCREW GRADE 5 ZINC	12
5	PRHD-SCW#8X3/8BK	BLACK ZINC-PLATED STEEL, NUMBER 8 SIZE, 3/8"	6
6	PRHD-BTN#10NF3/8SS	#10-32 X 3/8" STAINLESS STEEL BUTTON HEAD SCREW	4

IMPORTANT: BE SURE ALL PARTS ARE ENCLOSED BEFORE ASSEMBLING.

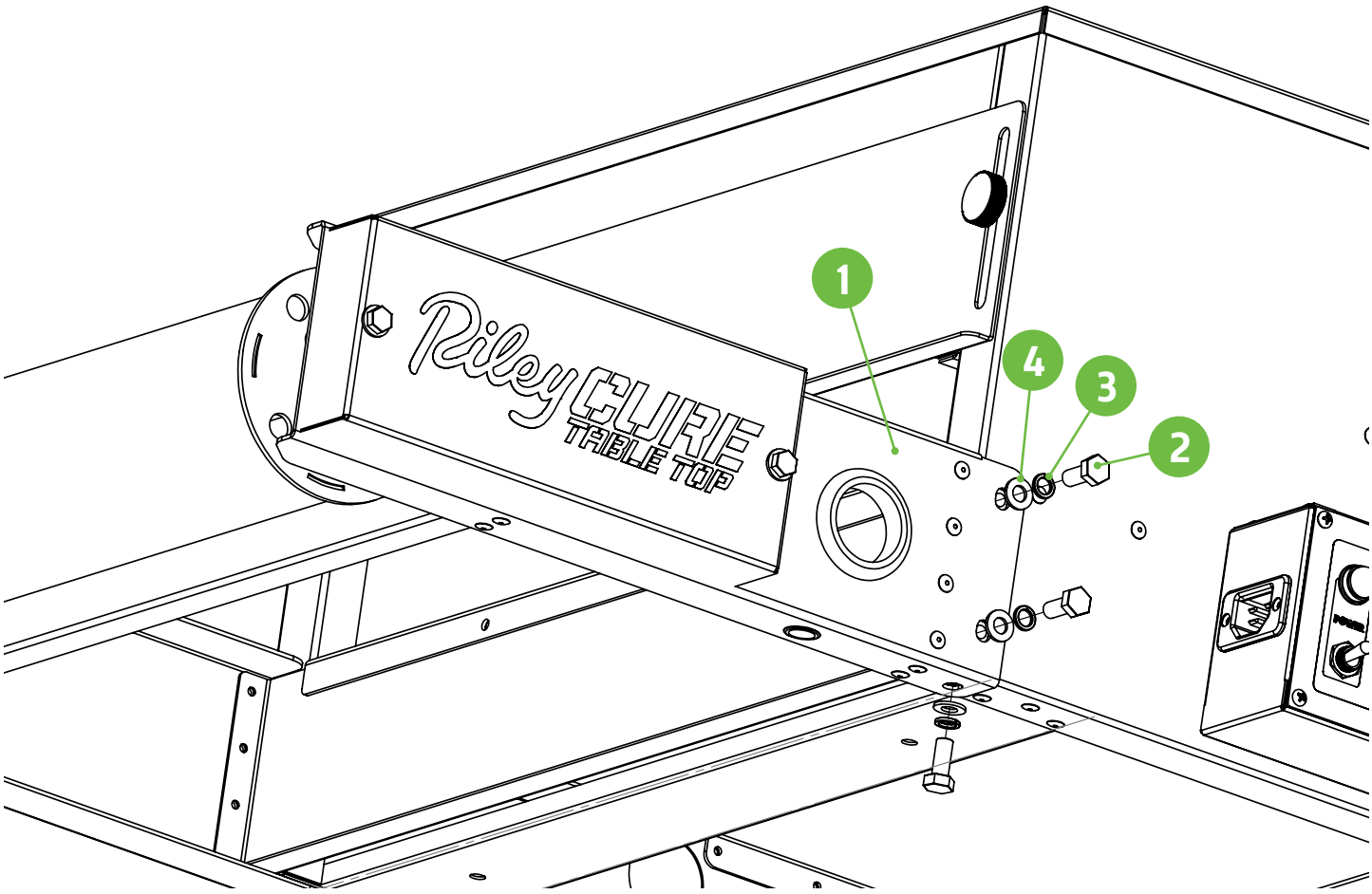


Step 1

TAG	ITEM	DESCRIPTION	QTY.
1	MFSA-CDTTMSRL	TABLETOP CONVEYOR DRYER MOTOR SIDE ROLLER ASSEMBLY	1
2	PRHD-HC5/16NC3/4GR5ZC	5/16-18 X 3/4 HEX CAP SCREW GRADE 5 ZINC	12
3	PRHD-LWA5/16GR5ZC	5/16 SPLIT LOCK WASHER	12
4	PRHD-WA1/4USSGR5ZC	1/4 USS FLAT WASHER ZINC	12

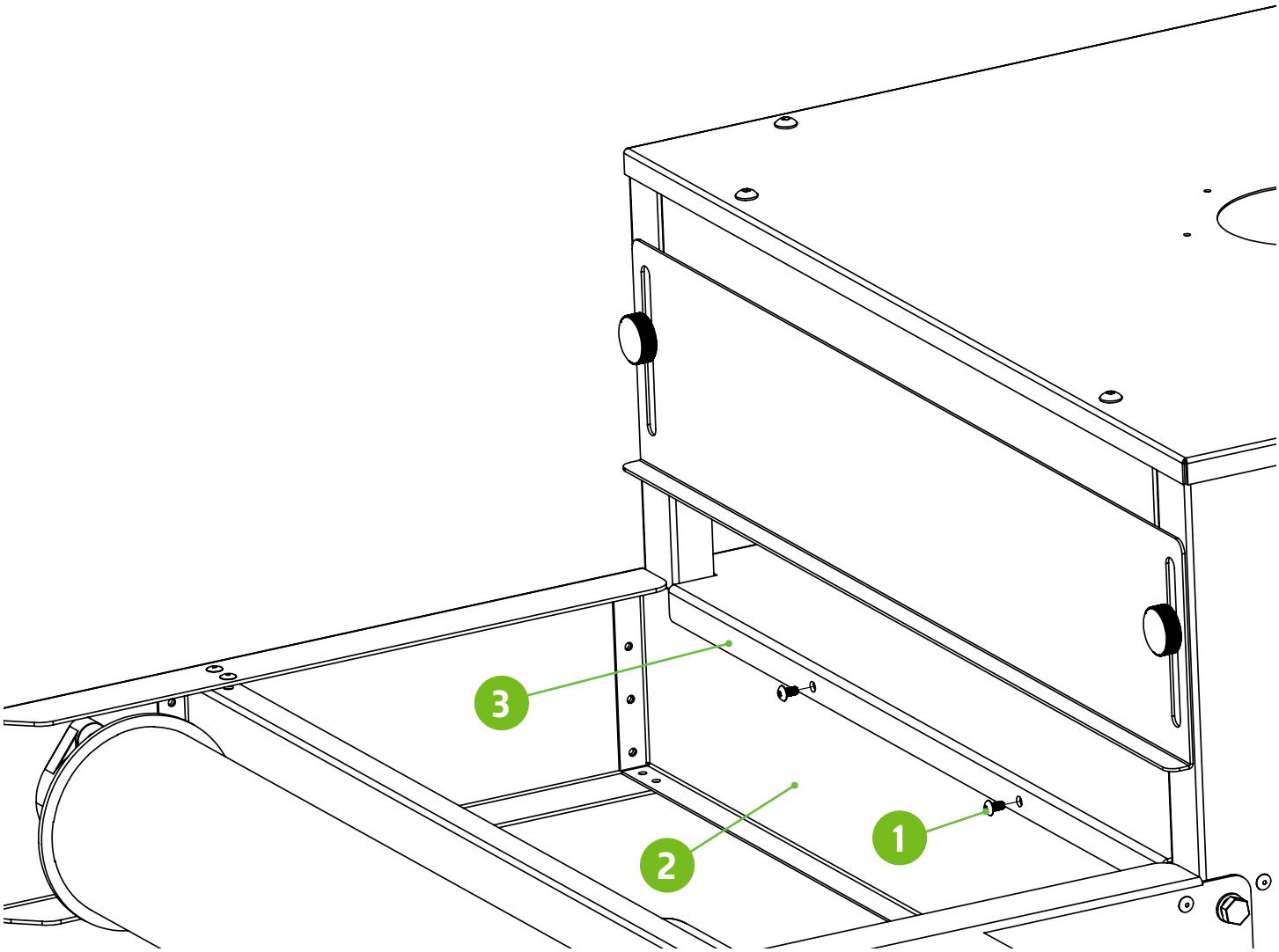
Attach the Motor Side Rail Assembly (ITEM 1) to the Main Body. Slide into position upward. Then begin to thread the 5/16" attachment hardware. **DO NOT** fully tighten hardware until all are started. Tighten the bottom hardware first, then side hardware. Repeat these steps for the adjustable Rail assembly.

One ½" wrench is required for this step.



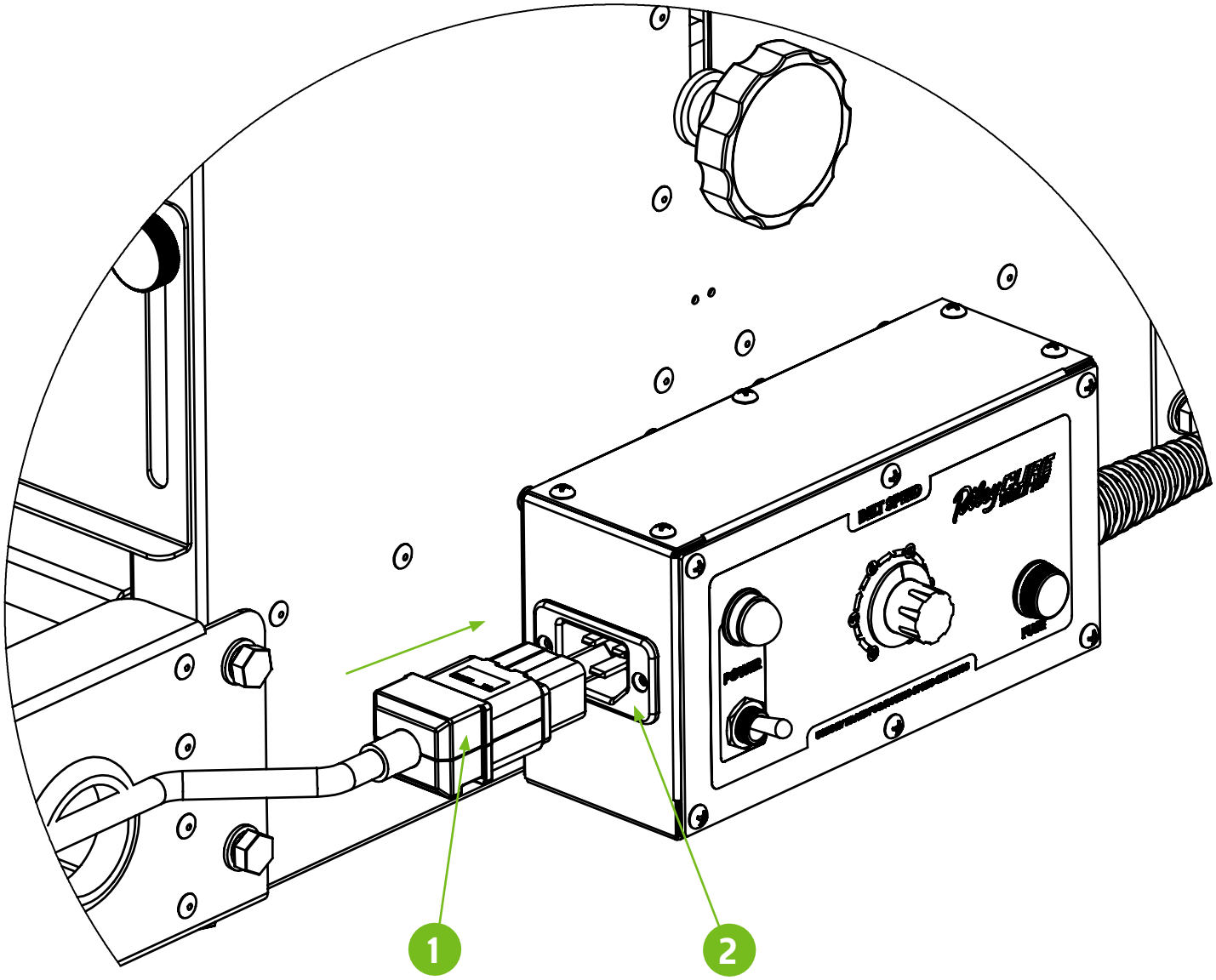
STEP 2

Use the supplied #10 x 3/8” screws (1) to attach the Roller assembly cross bar (2) to the Main body shelf (3). One 1/8” Allen wrench is required for this step. Repeat this step on the opposite adjustable roller assembly.



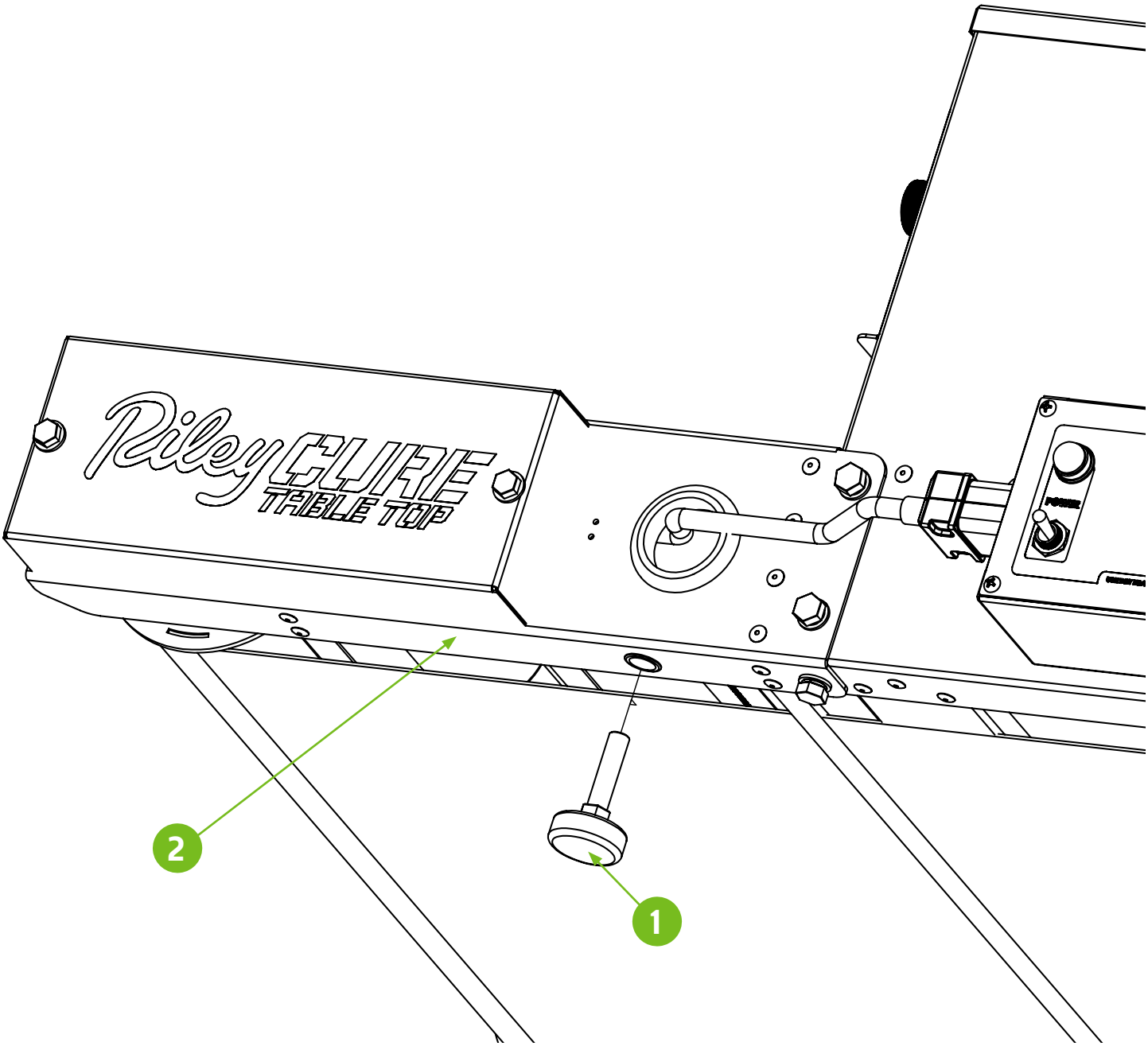
STEP 3

Install the Motor power plug (1) to the IEC outlet (2) on the main control box. Ensure that it is locked in place with security hook before turning on the main power.



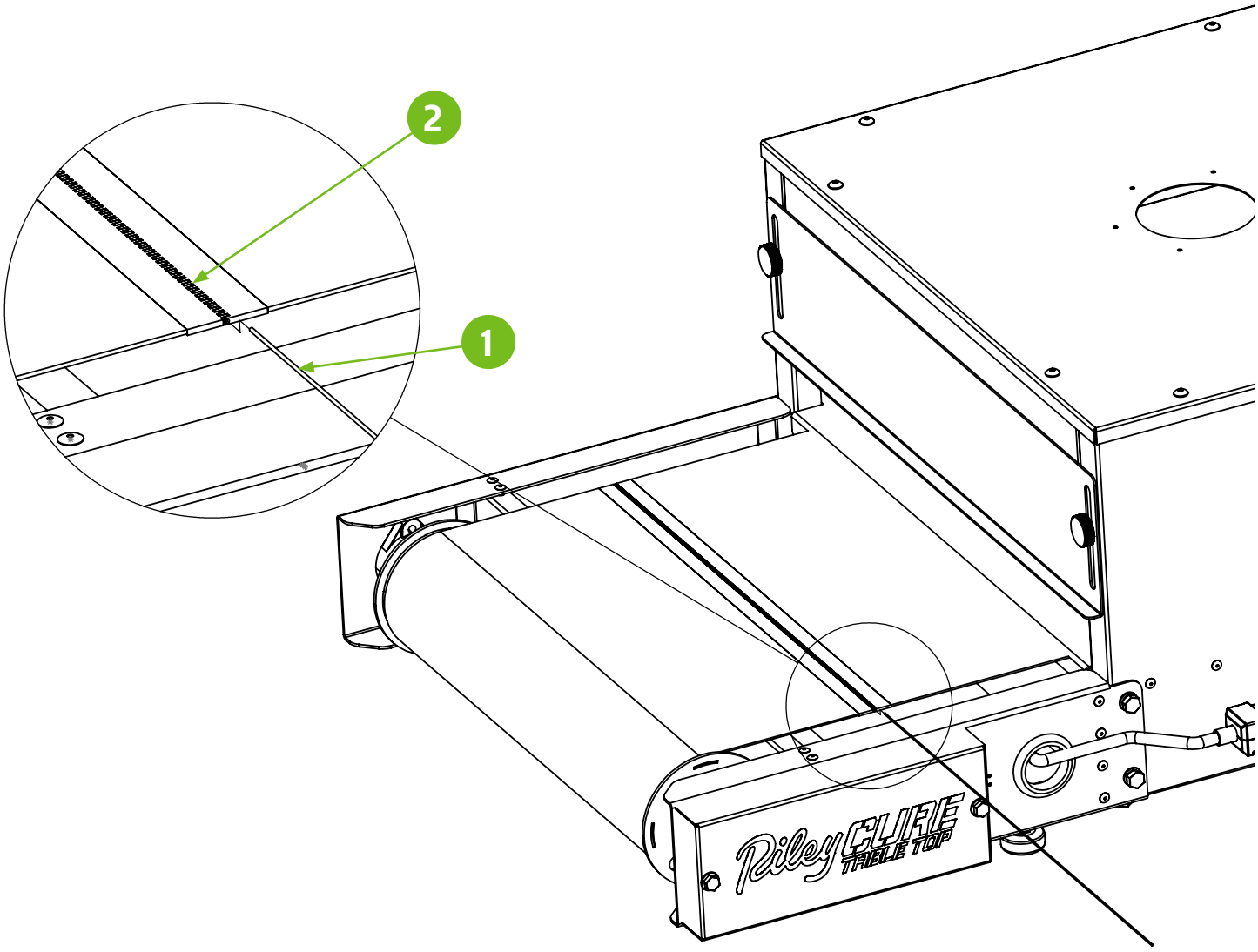
STEP 4

Install the Leveling feet (1) into the roller assembly side rails in all 4 corners. This will allow you to place the unit on a tabletop surface that is 24” wide x 26” long or larger.



STEP 5

Install the main conveyor belt by wrapping the flat belt around the two roller assemblies. Line up the zippers (2) of the conveyor belt so that both side of the belt are even. Carefully push in the connecting rod (1), then splice the belt together as shown.

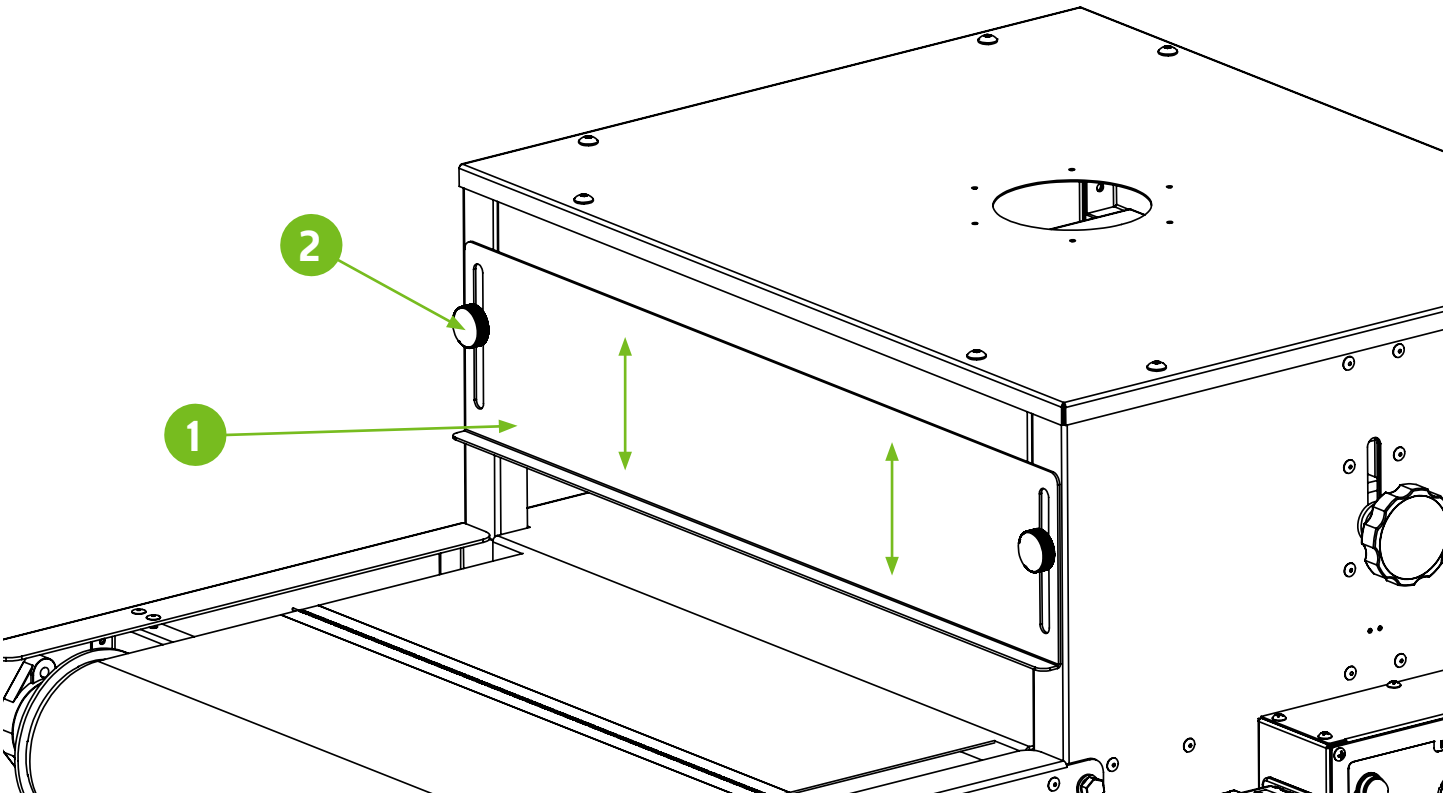


STEP 6

To adjust the front and rear heat gates (1) loosen the knobs (2), adjust to the desired height, and retighten the knobs.

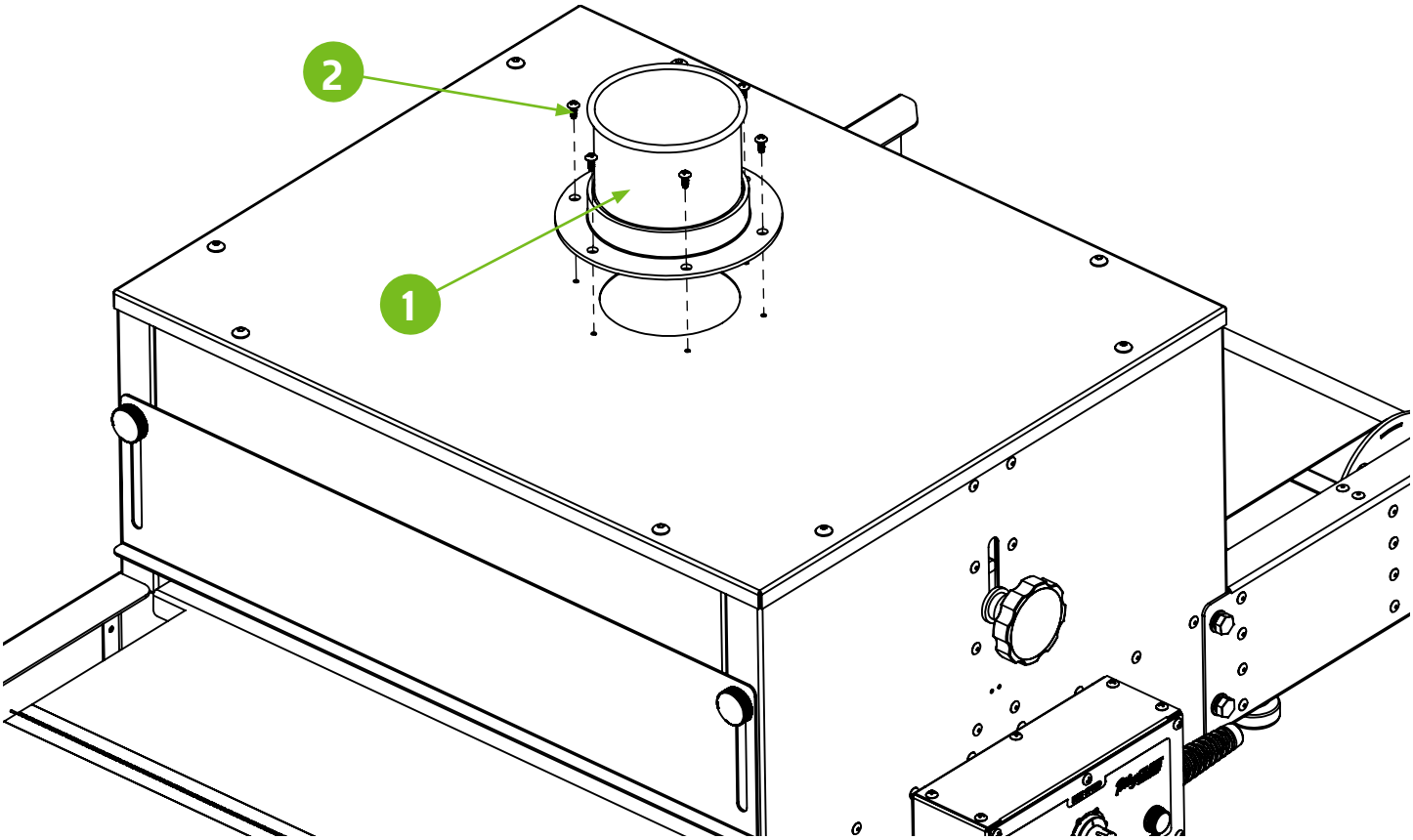
/// CAUTION! ///

Adjust gate height before the main power has been turned on. Gate will be hot during production. Wait until cool to readjust gates.



STEP 7

Install the 4” duct flange (1) to the top of the Main Body with the #8 x 3/8” black sheet metal screws (2). One Phillips screwdriver is required for this step.

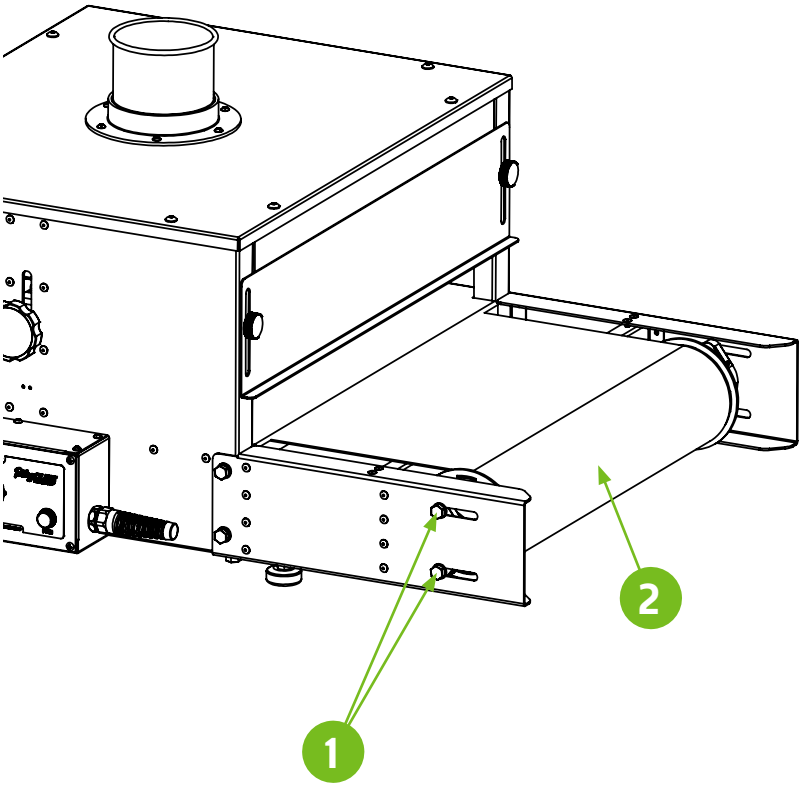


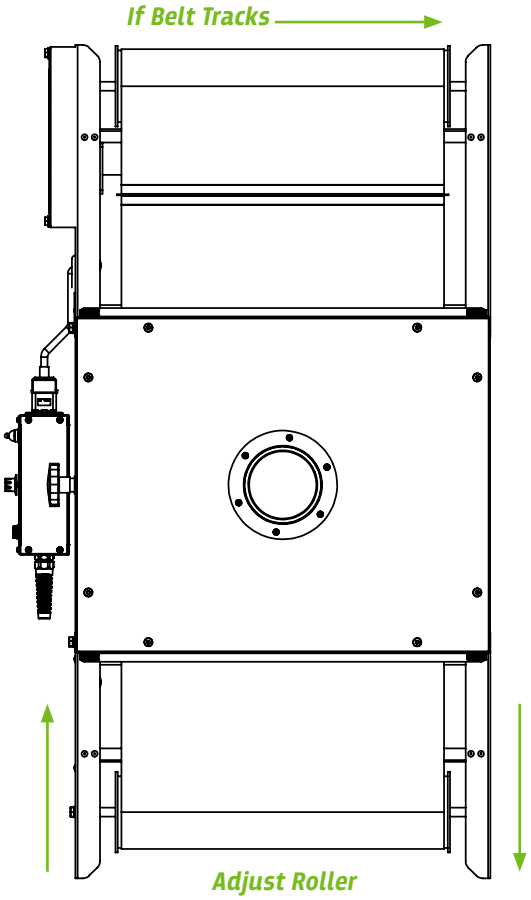
STEP 8

Set the adjustable pully (2) to tighten the conveyor belt in adjusting slots with the ½" hardware (1) . Test the belt at a medium speed to observe if it tracks to the left or to the right. If the belt track to the left, make slight adjustments shown below in the top view. If it tracks the opposite direction, adjust roller in the opposite direction shown. One ½" wrench is required for this step.

/// CAUTION! ///

Failure to set the belt in a straight track can cause premature wear to the belt assembly. Periodically check the belt to ensure it is tracking straight and adjust when needed.





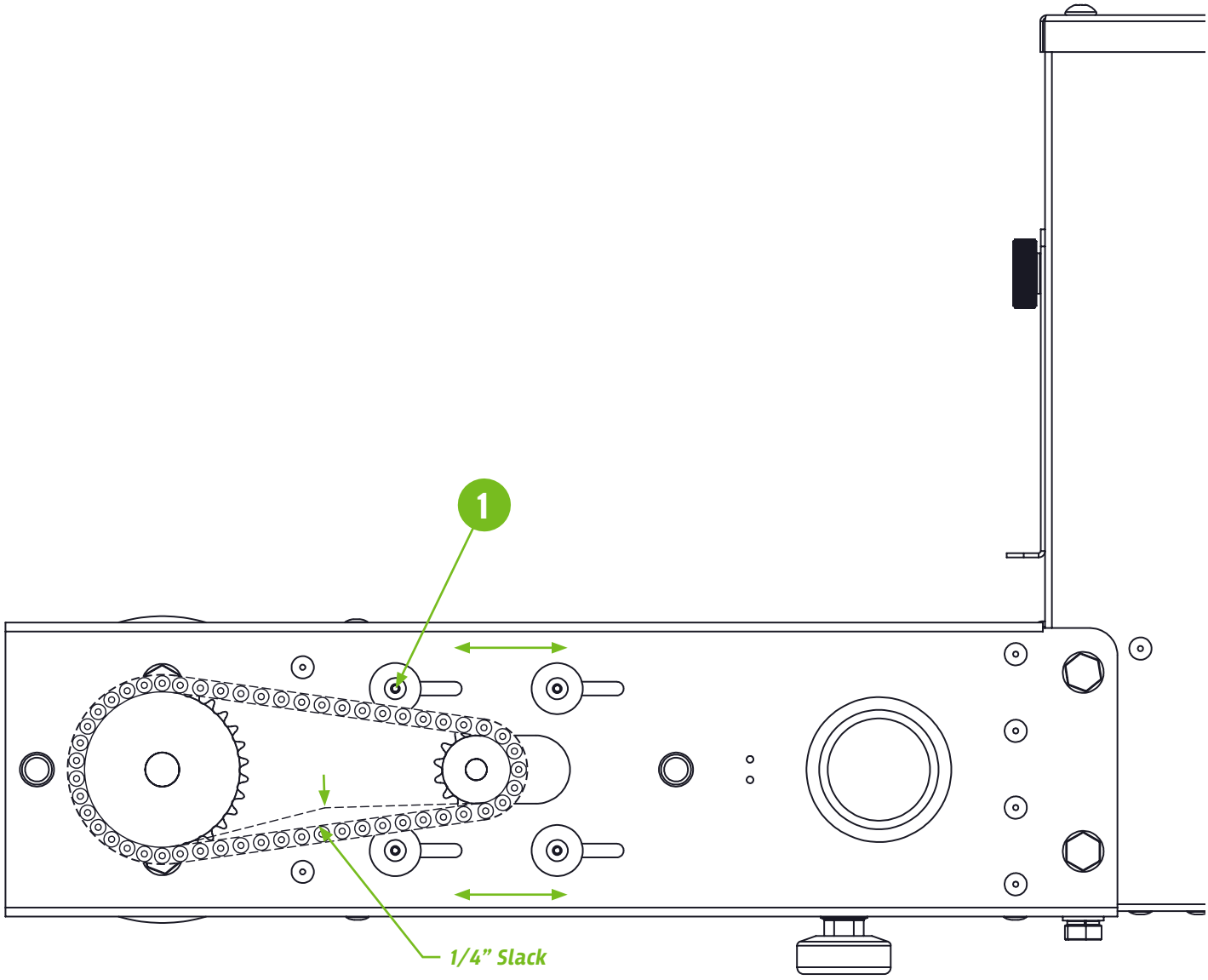
STEP 9

Ensure the unit is unplugged from power source. Remove the chain cover with 7/16" Allen wrench. Ensure the chain has approx ¼" of slack with the motor fully tightened. Loosen the #10 hardware (1) to adjust the tension. Once you have reached the required slack, retighten the #10 hardware (1).

One 7/16" Allen wrench & One 1/8" Allen wrench is required for this step.

/// CAUTION! ///

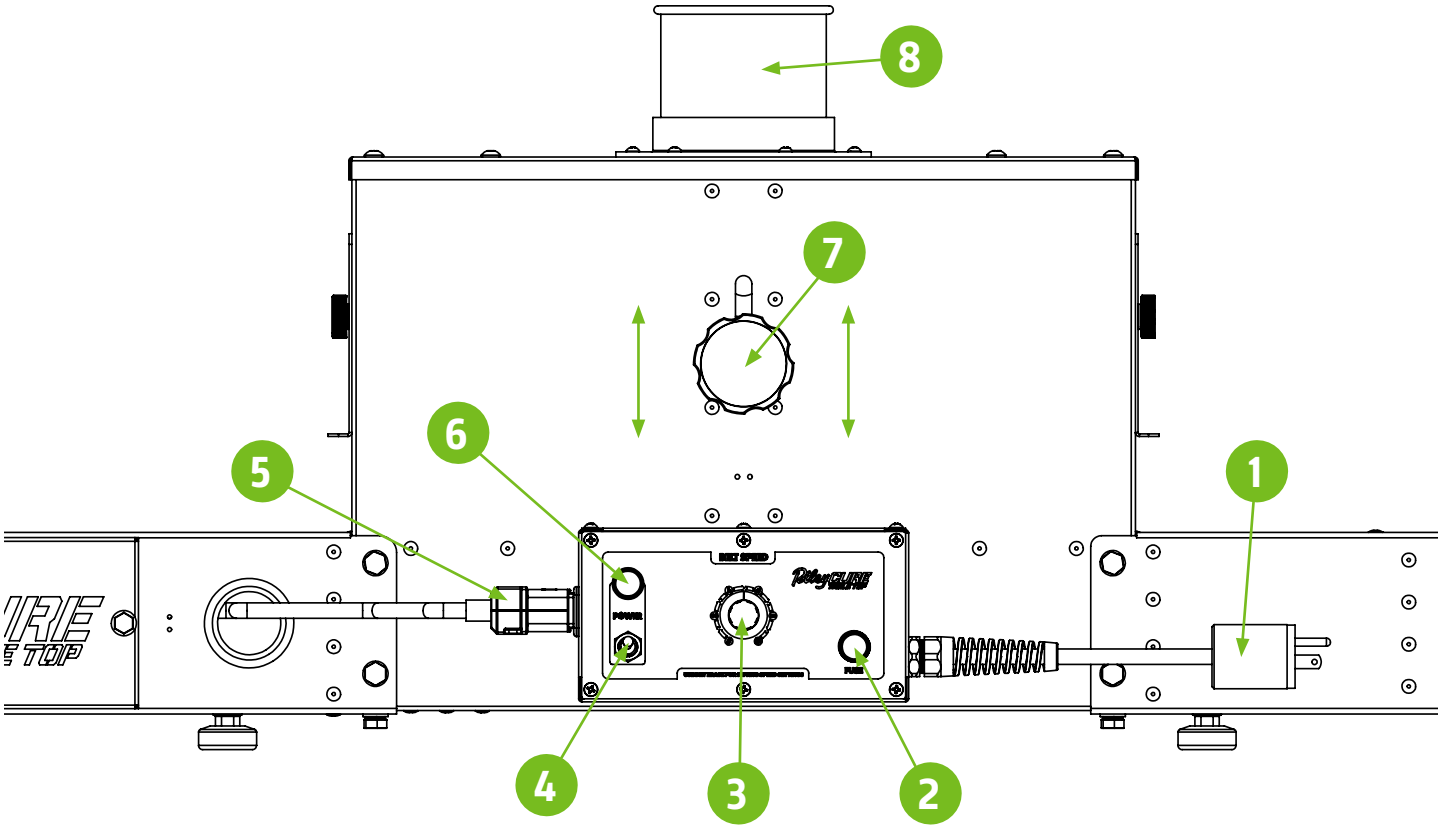
YOU MUST REINSTALL CHAIN COVER AFTER THIS STEP. FAILURE TO DO SO, COULD RESULT IN SERIOUS INJURY.



CONVEYOR DRYER OVERVIEW

TAG	ITEM
1	MAIN POWER CORD 120V
2	15-AMP FUSE
3	BELT SPEED CONTROL
4	MAIN POWER SWITCH
5	MOTOR POWER IEC CONNECTOR
6	MAIN POWER INDICATOR LIGHT
7	HEATING ELEMENT HEIGHT ADJUSTMENT KNOB
8	4” DUCT FLANGE

Use the heating element adjustment knobs (7) to raise or lower the main heating element. Use the belt speed knob (3) to adjust belt curing speed. Engage the main power switch (4) when all power from previous steps have been properly connected.



RECOMMENDED INITIAL START-UP PROCEDURE:

1. Plug the Control Panel into a suitable power source.
2. Turn the Power Switch to the ON position. The green indicator light will illuminate.
3. Turn Belt Speed to 5. Listen for any unusual noises. Check to see if the rubber edge guide is riding in the roller drum grooves.

   Note: These are not production settings. They are intended for initial startup only.

/// CAUTION ///

DO NOT operate Heating Chamber unless the belt is moving. Heat will damage an idle belt.

4. Verify that the heating element functions. After about a minute of operation, briefly feel just inside both the entrance and exit ends of the chamber. The area should be warm.

/// CAUTION ///

The heating element is exposed inside the chamber and is operating at very high temperatures. Keep your hand close to the moving belt (without touching it).

   Note: Some smoke/vapor and odor may be noticed during initial start-up due to residual material from the manufacturing process burning off the elements.

5. Working temperature will be reached after a ten-minute warm-up.

   Conveyor speed can be determined by placing a small item, like a coin, on the conveyor belt and recording the time it takes to travel through the chamber. (For curing plastisol inks on t-shirts, 30 seconds through the Heater Chamber is a good initial speed to begin your evaluation.)

   Note: The speed and temperature of the unit may vary slightly with fluctuations in power/voltage servicing the equipment.

Process an item through the dryer. Evaluate the completed article according to your quality standards. If the equipment is being used for curing ink on garments, it is recommended to wash the processed garment as the definitive test.

The conveyor dryer is now ready for normal use and operation.

CONVEYOR DRYER NOTES:

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Riley Hopkins®