

 Assembly Instructions

# RUDY PRESS

RUDY PRESS | 20" FRAME ATTACHMENT

PRSA-RUDY1



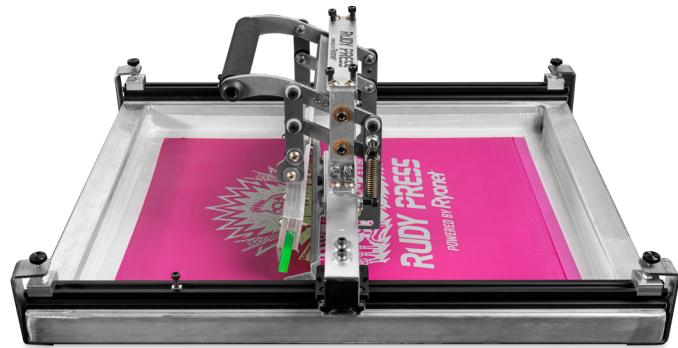
POWERED BY **Ryonet**<sup>®</sup>

# Visual Reference

## BUILT FOR CONSISTENT PRINTING

Guided motion helps maintain consistent floods and strokes from the first shirt to the last, reducing variables and improving print quality.

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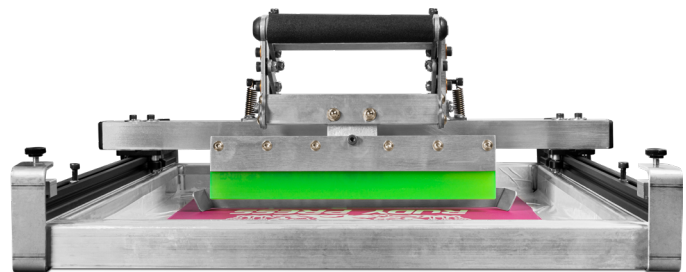


SIDE

## REDUCE OPERATOR FATIGUE

Assists with the physical work of printing, helping reduce strain and support productivity during long runs.

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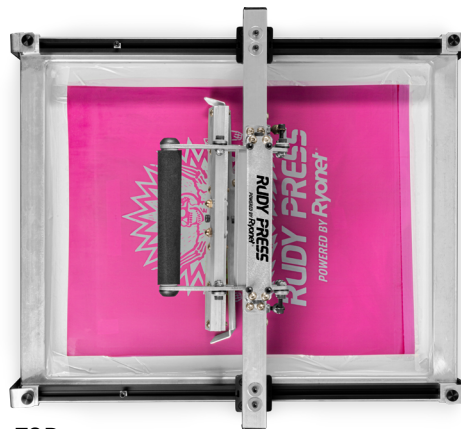


FRONT

## REPEATABLE PRINT CYCLES

Delivers reliable motion across every cycle, making it easier to train staff and produce consistent, retail-ready results.

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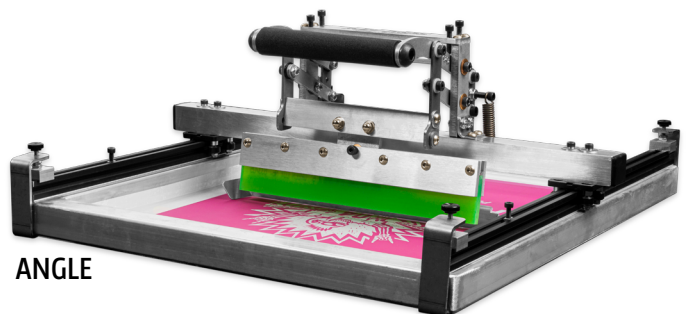


TOP

## BUILT FOR GROWING SHOPS

Ideal for high-volume manual printers, new operators, and education environments focused on consistency and efficiency.

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ANGLE

# Meet the Inventor

I have spent many years in the screen printing industry, and through that experience I saw how difficult it can be to get consistent results with manual printing. After working in my own shop for a long time, I began thinking seriously about how to make the process easier, more reliable, and more consistent for everyday printers.

The idea for the Rudy Press came from a real need in my shop. My wife was helping me make prints, and I could see how frustrating it was to keep the right pressure and maintain print quality by hand. That was the moment I decided to create something that could help support the operator and make printing easier.

As I continued developing the Rudy Press, I kept thinking about the challenges printers face during production. Over the course of a long run, it is easy to lose angle, lose pressure, and start seeing changes in print quality. I designed this product to help maintain those key variables more consistently throughout the printing process.





I designed the Rudy Press myself from the ground up, drawing ideas from both manual and automatic presses. To me, it is a hybrid system: it still gives the operator hands-on control, but it also uses a mechanism that helps guide movement and support more consistent pressure and performance. The result is a system designed to make printing easier to learn, easier to control, and more dependable in daily use.



## Juan Carlos

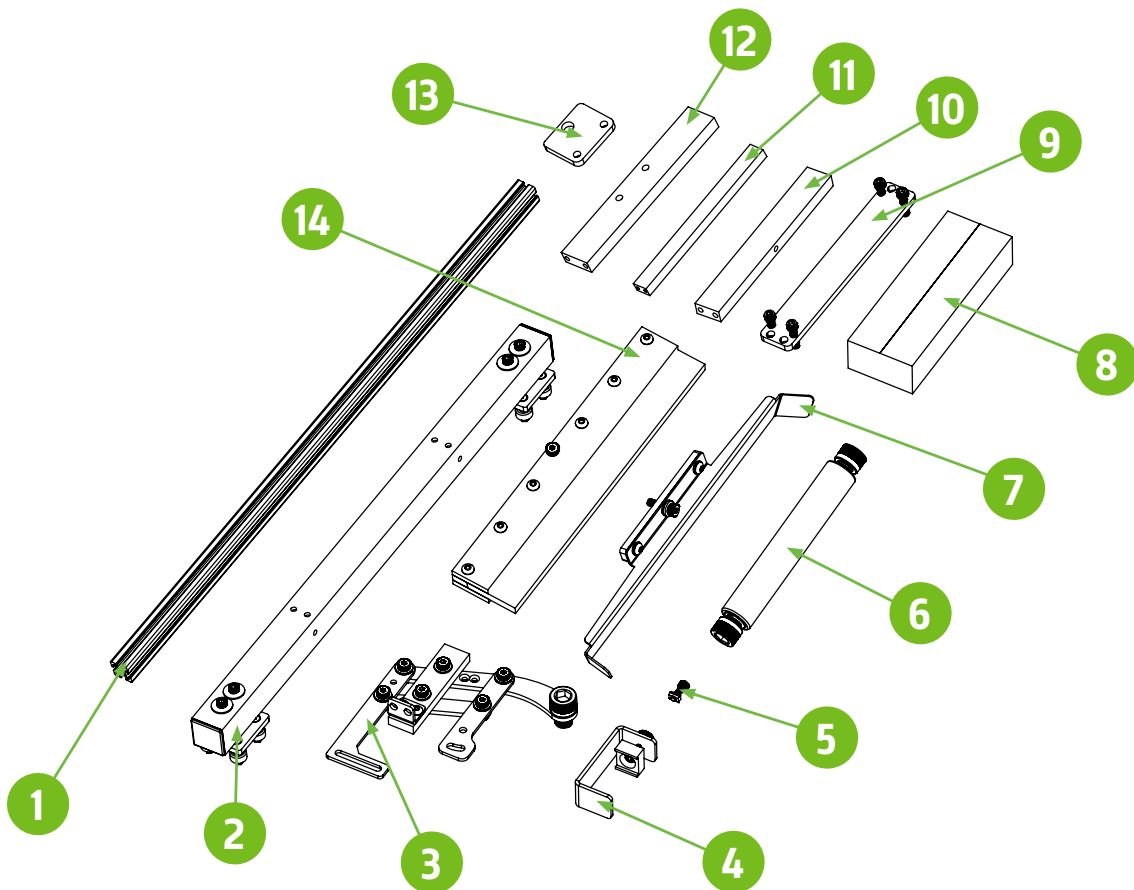
JT Printing

*"Plug and Print"*

 @jtprintingmexico  @jtprinting-m2d  @jt\_printing  @jtprinting

# Box Contents

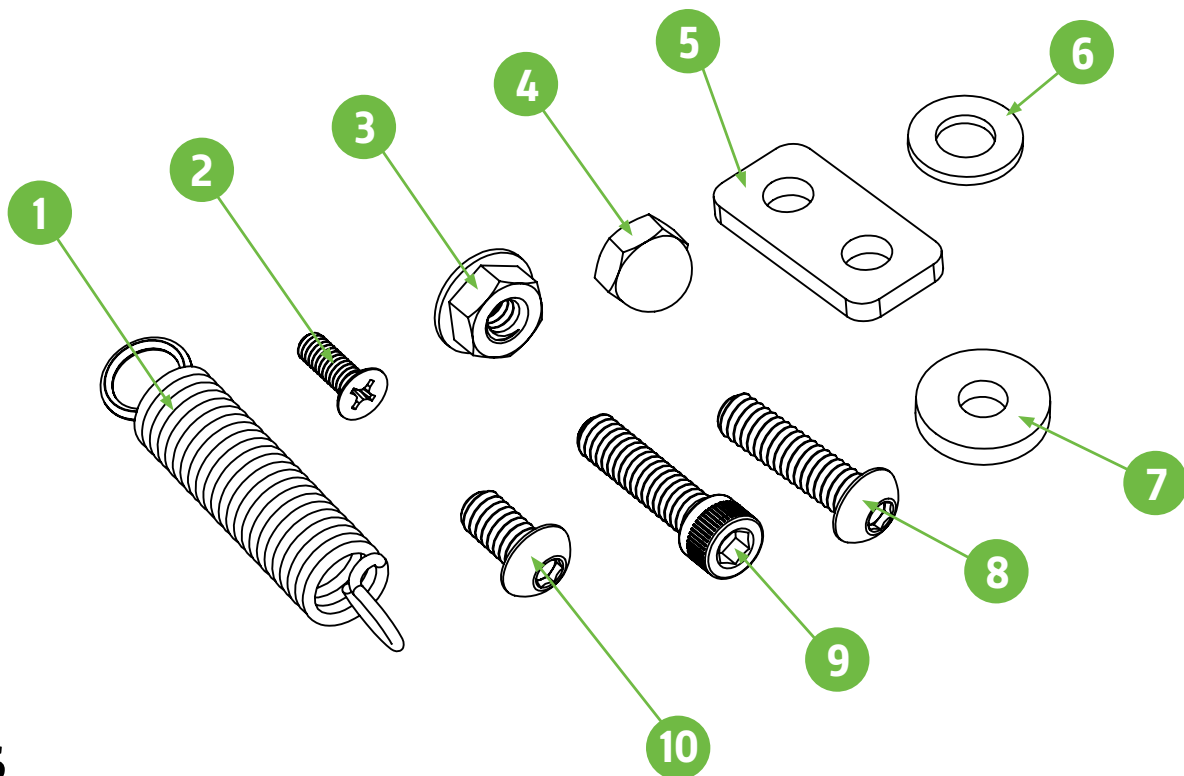
TAG	ITEM	QTY.
1	SLIDER RAIL ALUMINUM EXTRUSION	2
2	SLIDING CROSS BAR ASSEMBLY FOR 20" WIDE FRAMES	1
3	SIDE PIVOT ASSEMBLY	1RH/1LH
4	SLIDER EXTRUSION CLAMPING CLIP	4
5	SQUEEGEE STOP ADJUSTER	2
6	HANDLE ASSEMBLY WITH FOAM GRIP	1
7	12" FLOOD BAR ASSEMBLY	1
8	HARDWARE KIT	1
9	TOP CONNECTING CROSS BAR	1
10	FLOOD BAR CONNECTING CROSS BAR	1
11	HANDLE CONNECTING CROSS BAR	1
12	SQUEEGEE CONNECTING CROSS BAR	1
13	SQUEEGEE ATTACHMENT TAB WITH BUSHING	1
14	12" SQUEEGEE ASSEMBLY- 70 DUROMETER	1



# Hardware Kit (CR-HDWKIT1)

TAG	ITEM	DESCRIPTION	QTY.
1	PRCO-SPGRDY	SPRING WITH LOOP ENDS, 2" LONG, 0.5" OD, 0.063" WIRE	2
2	PRHD-SCM8X1/2CS	#8 X 1/2" PHILIPS COUNTERSINK T/S ZINC PLATED	4
3	PRHD-FLN1/4NCGR5ZC	1/4-20 FLANGED WHIZ NUT ZINC	4
4	PRHD-ACN1/4NCGR5ZC	1/4-20 ACORN NUT ZINC	2
5	MFLS-RDYWSHR2	RUDY PRESS FLOOD BAR DUAL WASHER	2
6	PRHD-WA1/4USSGR5ZC	1/4" USS FLAT WASHER	2
7	MFLS-RDYWSHR1	RUDY PRESS SQUEEGEE PIVOT WASHER	2
8	PRHD-BTN1/4NC1SS	1/4-20 X 1" BUTTON HEAD ALLEN BOLT STAINLESS STEEL	2
9	PRHD-SCP1/4NC1GR8BLK	1/4-20 X 1 SOCKET CAP SCREW BLACK OXIDE	4
10	PRHD-BTN1/4NC1/2SS	1/4-20 X 1/2 BUTTON HEAD ALLEN BOLT STAINLESS STEEL	16

**IMPORTANT:** BE SURE ALL PARTS ARE ENCLOSED BEFORE ASSEMBLING.



## Tools

**Required:** 5/32" Allen wrench (included) • Phillips screwdriver • Pliers

**Optional:** 7/16" end wrench • 1/2" Allen wrench

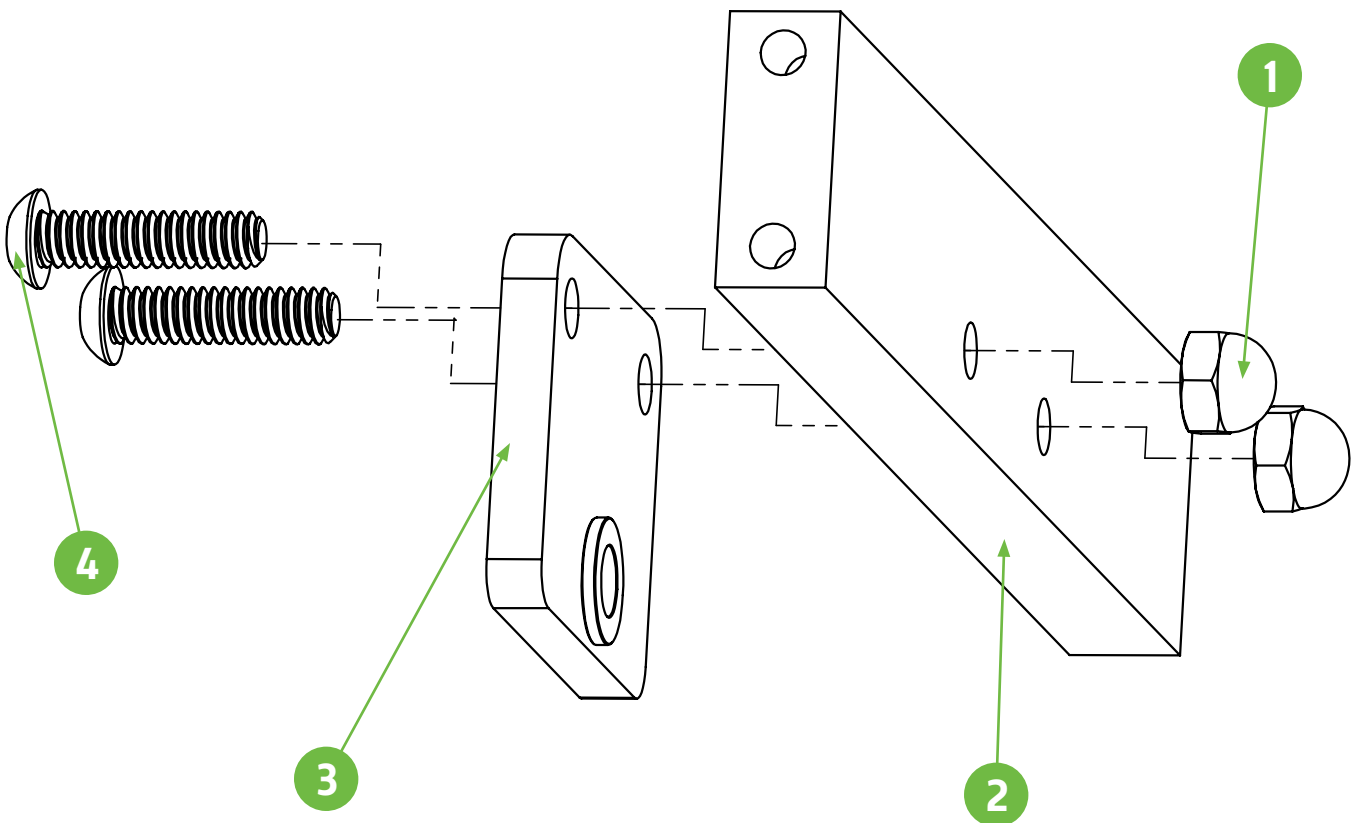
# Step 1

## Tools

**Required:** 5/32" Allen wrench • Pliers | **Optional:** 7/16" end wrench

Attach the squeegee holding tab **3** to the squeegee holding cross bar **2**. Fasten with two 1/4" x 1" button head screws **4** & two 1/4" acorn nuts **1**. Ensure the bushing is facing forward as shown.

TAG	ITEM	QTY.
<b>1</b>	1/4-20 ACORN NUT ZINC	2
<b>2</b>	SQUEEGEE CONNECTING CROSS BAR	1
<b>3</b>	SQUEEGEE ATTACHMENT TAB WITH BUSHING	1
<b>4</b>	1/4-20 X 1" BUTTON HEAD ALLEN BOLT STAINLESS STEEL	2



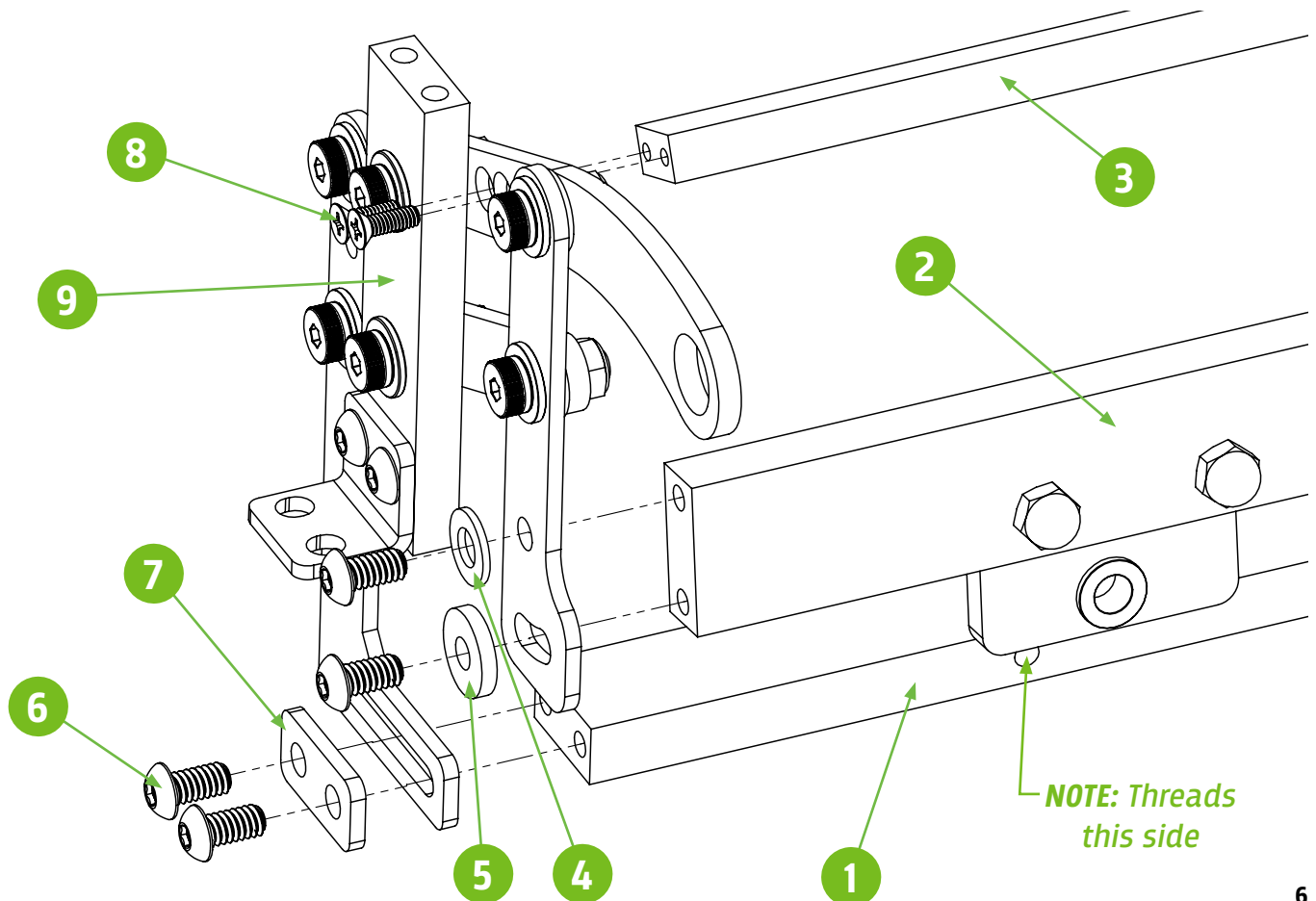
# Step 2

## Tools

**Required:** 5/32" Allen wrench • Phillips screwdriver

Attach the left side pivot assembly **9** to the three crossbars **1 2 3**. Begin with the handle connecting cross bars into the countersunk holes to ensure left and right. Then the flood bar and squeegee connecting cross bars. Repeat this for the right-side pivot assembly.

TAG	ITEM	QTY.
<b>1</b>	FLOOD BAR CONNECTING CROSS BAR	1
<b>2</b>	SQUEEGEE CONNECTING CROSS BAR	1
<b>3</b>	HANDLE CONNECTING CROSS BAR	1
<b>4</b>	1/4" USS FLAT WASHER	2
<b>5</b>	RUDY PRESS SQUEEGEE PIVOT WASHER	2
<b>6</b>	1/4-20 X 1/2 BUTTON HEAD ALLEN BOLT STAINLESS STEEL	8
<b>7</b>	RUDY PRESS FLOOD BAR DUAL WASHER	2
<b>8</b>	#8 X 1/2" PHILIPS COUNTERSINK T/S ZINC PLATED	4
<b>9</b>	SIDE PIVOT ASSEMBLY	1RH/1LH



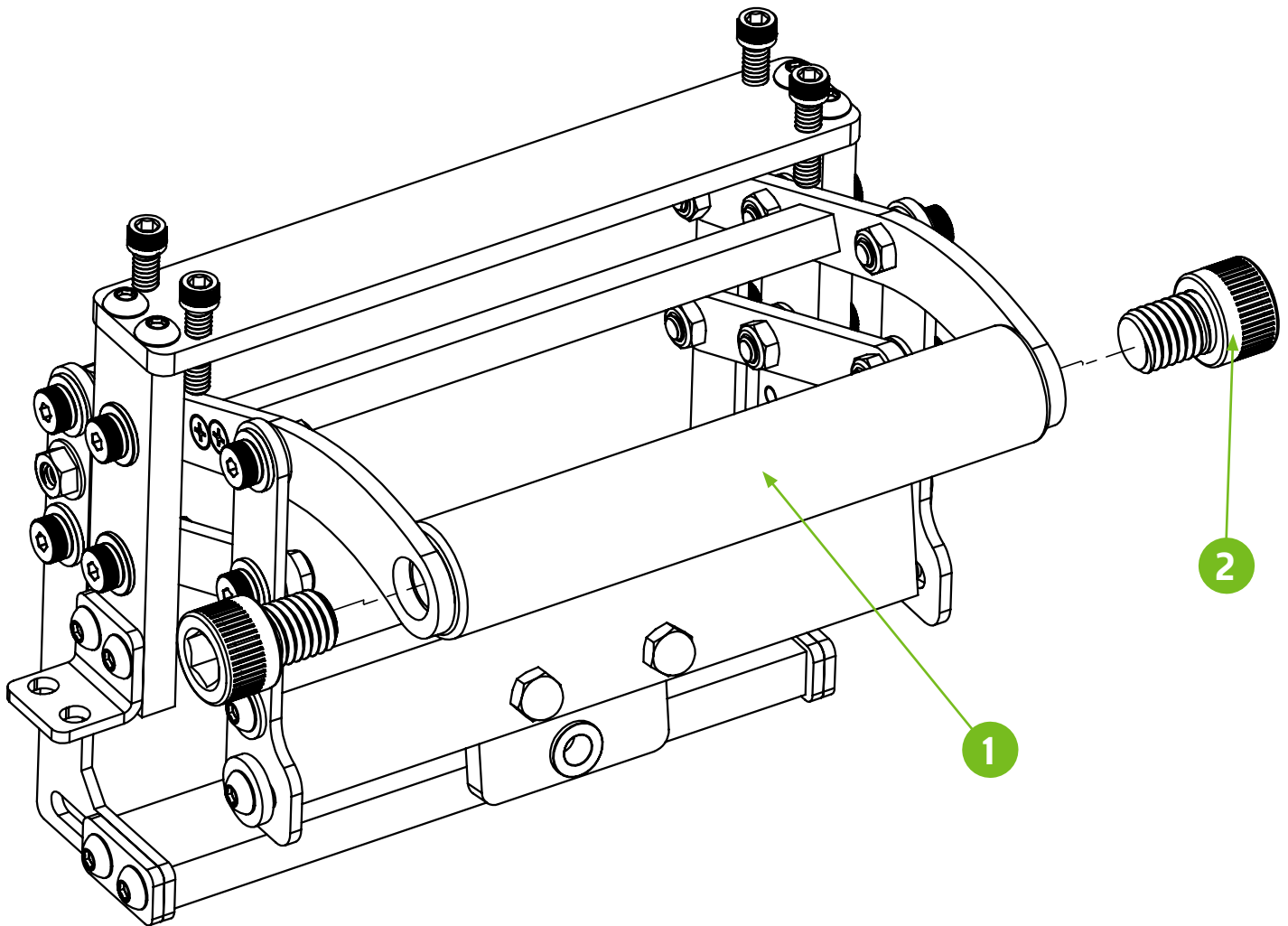
# Step 3

## Tools

**Required:** Pliers | **Optional:** 1/2" Allen wrench

Attach the handle with foam grip **1** into the upper pivot arms. Fasten with the two supplied 5/8" socket cap screws **2**.

TAG	ITEM	QTY.
<b>1</b>	HANDLE ASSEMBLY WITH FOAM GRIP	1
<b>2</b>	5/8-11 X 3/4" SOCKET CAP SCREW BLACK OXIDE	2



# Step 4

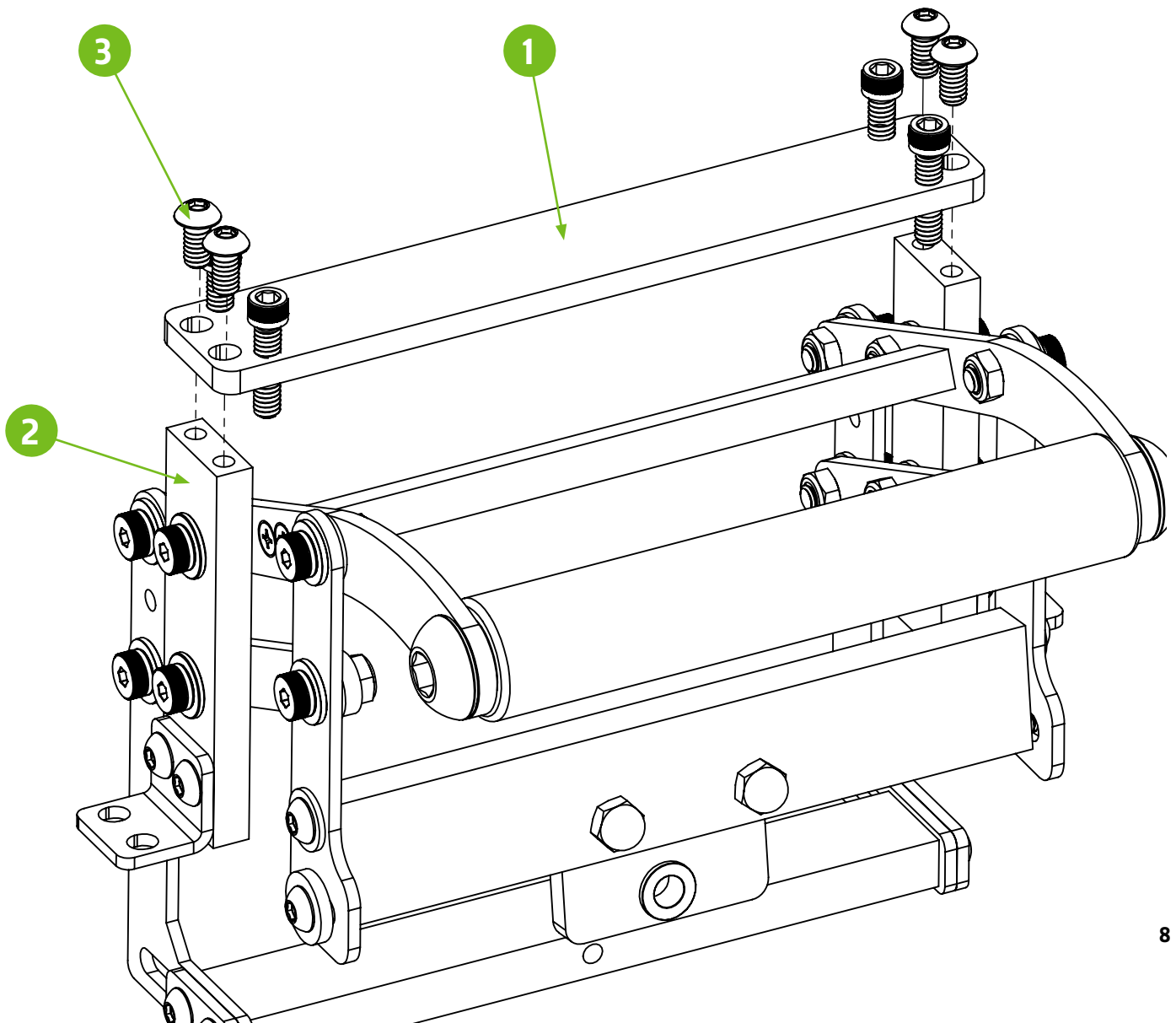
## Tools

Required: 5/32" Allen wrench

Attach the top cross bar assembly **1** with the pre-installed black adjustments screws onto the side pivot assemblies **2**. Fasten with four of the 1/4" button head screws **3**.

**NOTE:** Install with the shorter black pre-installed screws facing the handle side.

TAG	ITEM	QTY.
<b>1</b>	TOP CONNECTING CROSS BAR	1
<b>2</b>	SIDE PIVOT ASSEMBLY	1RH/1LH
<b>3</b>	1/4-20 X 1/2 BUTTON HEAD ALLEN BOLT STAINLESS STEEL	4



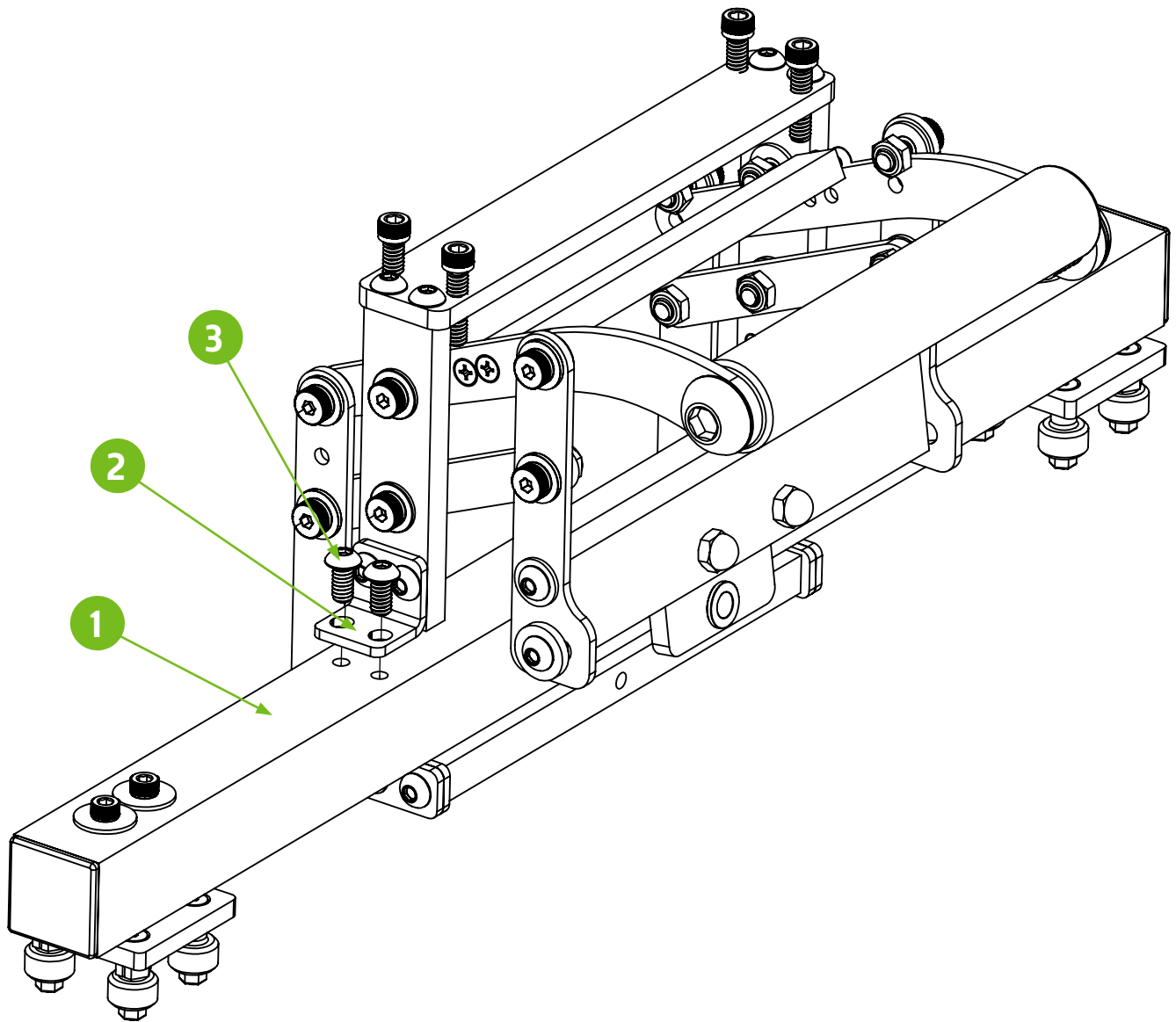
# Step 5

## Tools

Required: 5/32" Allen wrench

Install the main pivot assembly **2** onto the sliding cross bar attachment **1**. Fasten with four 1/4" button head screws **3**. Ensure the Pivot assembly is in alignment left-to-right before final tightening of hardware.

TAG	ITEM	QTY.
<b>1</b>	SLIDING CROSS BAR ASSEMBLY FOR 20" WIDE FRAMES	1
<b>2</b>	MAIN PIVOT ASSEMBLY	1
<b>3</b>	1/4-20 X 1/2 BUTTON HEAD ALLEN BOLT STAINLESS STEEL	4



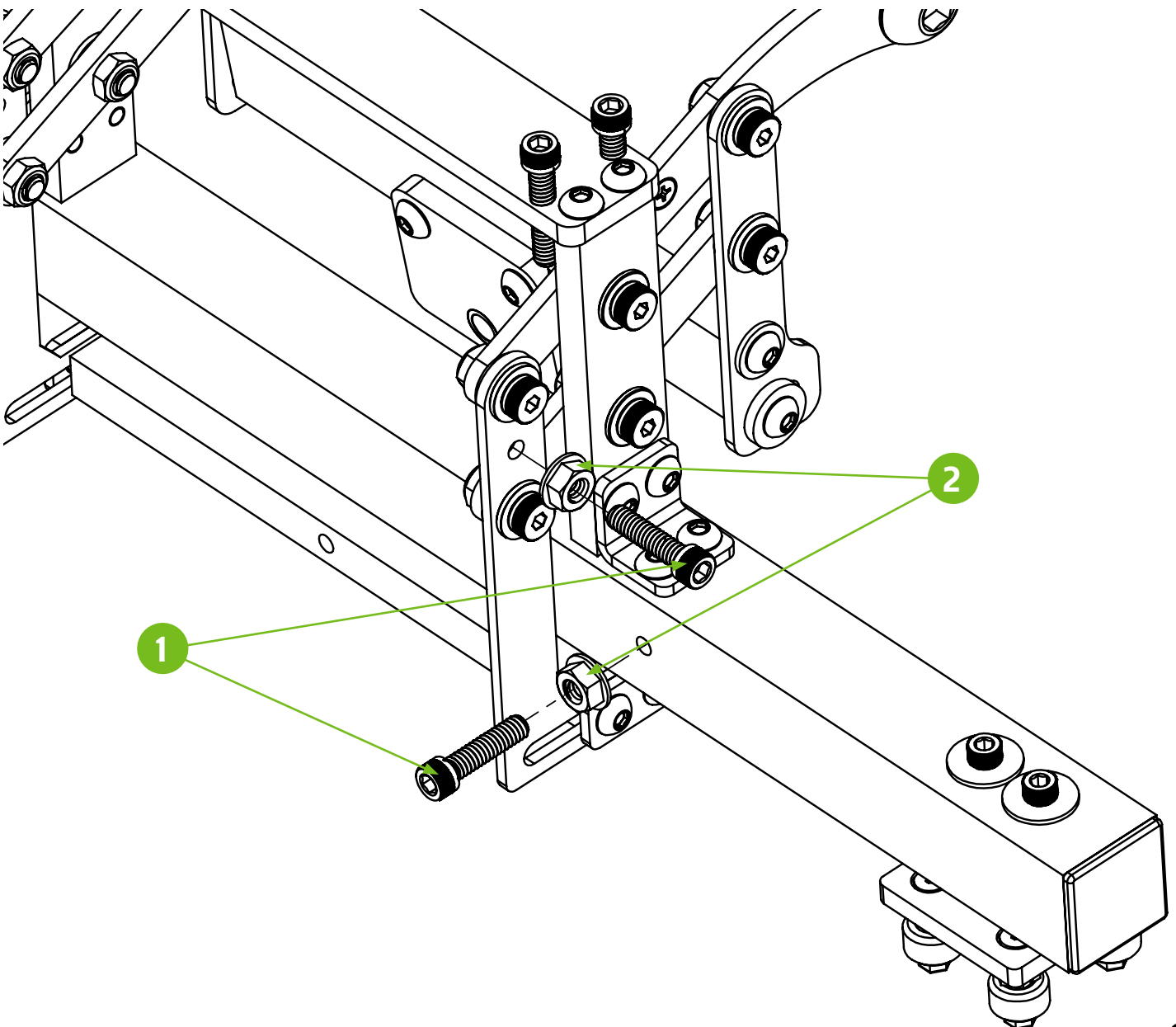
# Step 6

## Tools

**Required:** Pliers | **Optional:** 7/16" end wrench

Install the spring holding studs into the threaded holes of the sliding cross bar and the flood bar pivots. First start the 1/4" socket cap screws **1** into the flanged nuts **2** backwards as shown. The serrated side of the nuts should be facing the attachment holes. Screw studs into metal 1/8" deep. Lock the studs in place with the 1/4" serrated nuts.

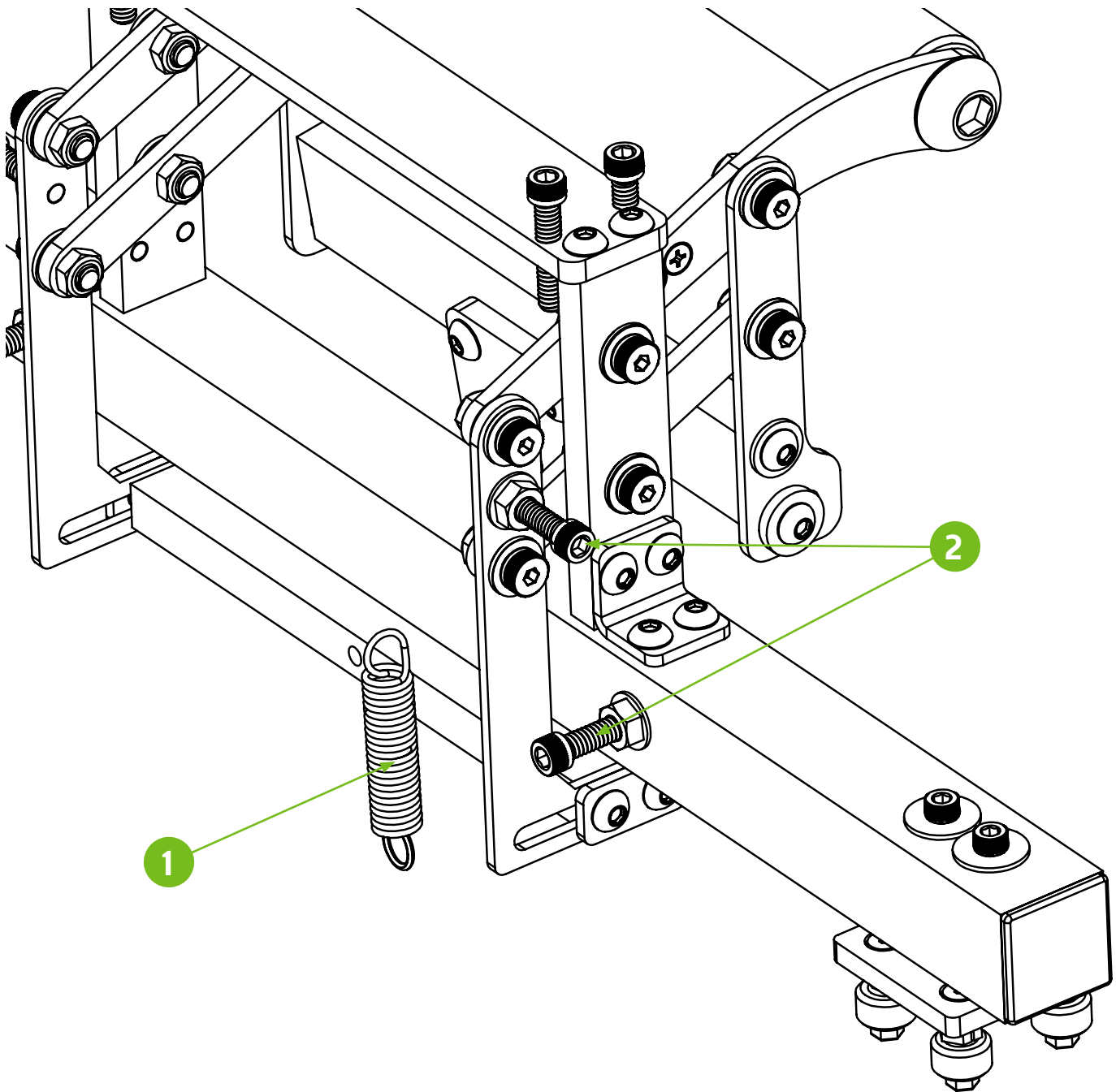
TAG	ITEM	QTY.
<b>1</b>	1/4-20 X 1 SOCKET CAP SCREW BLACK OXIDE	4
<b>2</b>	1/4-20 FLANGED WHIZ NUT ZINC	4



# Step 7

Install the springs **1** onto the previously installed studs **2** as shown. Carefully start with the upper stud and stretch spring onto the cross bar studs.

TAG	ITEM	QTY.
<b>1</b>	SPRING WITH LOOP ENDS, 2" LONG, 0.5" OD, 0.063" WIRE	2
<b>2</b>	1/4-20 X 1 SOCKET CAP SCREW BLACK OXIDE	4



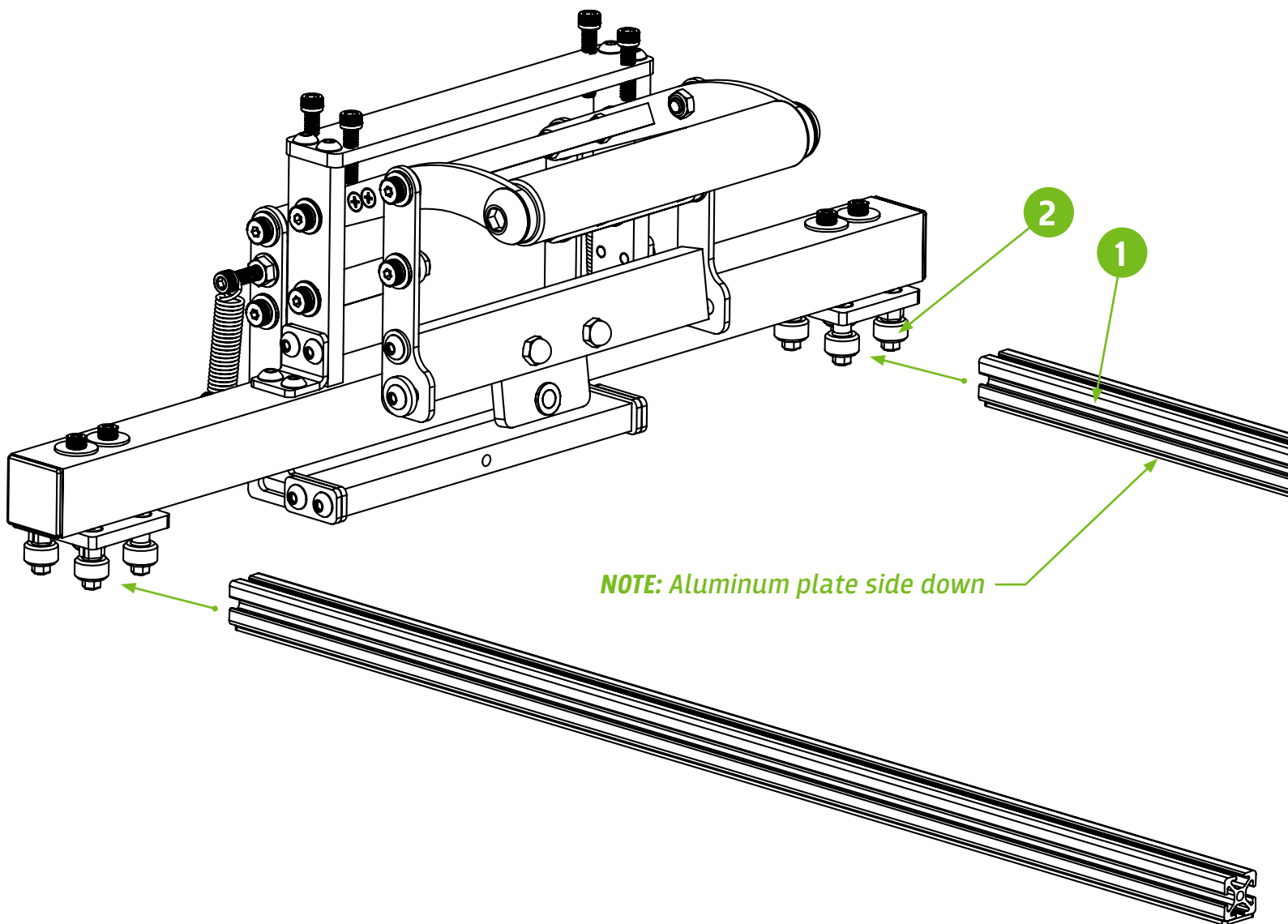
# Step 8

Slide the slider rail extrusions **1** with the aluminum flat bar facing downward into the V-wheel assemblies **2** of the cross bar.

**NOTE:** The V-wheels may need to be adjusted if they are too loose or too stiff when sliding onto the extrusions. The rollers should slide easily without play left-to-right.

**This adjustment is shown on the Product Overview page (page 18) of the manual.**

TAG	ITEM	QTY.
<b>1</b>	SLIDER RAIL ALUMINUM EXTRUSION	2
<b>2</b>	SLIDING CROSS BAR ASSEMBLY FOR 20" WIDE FRAMES	1

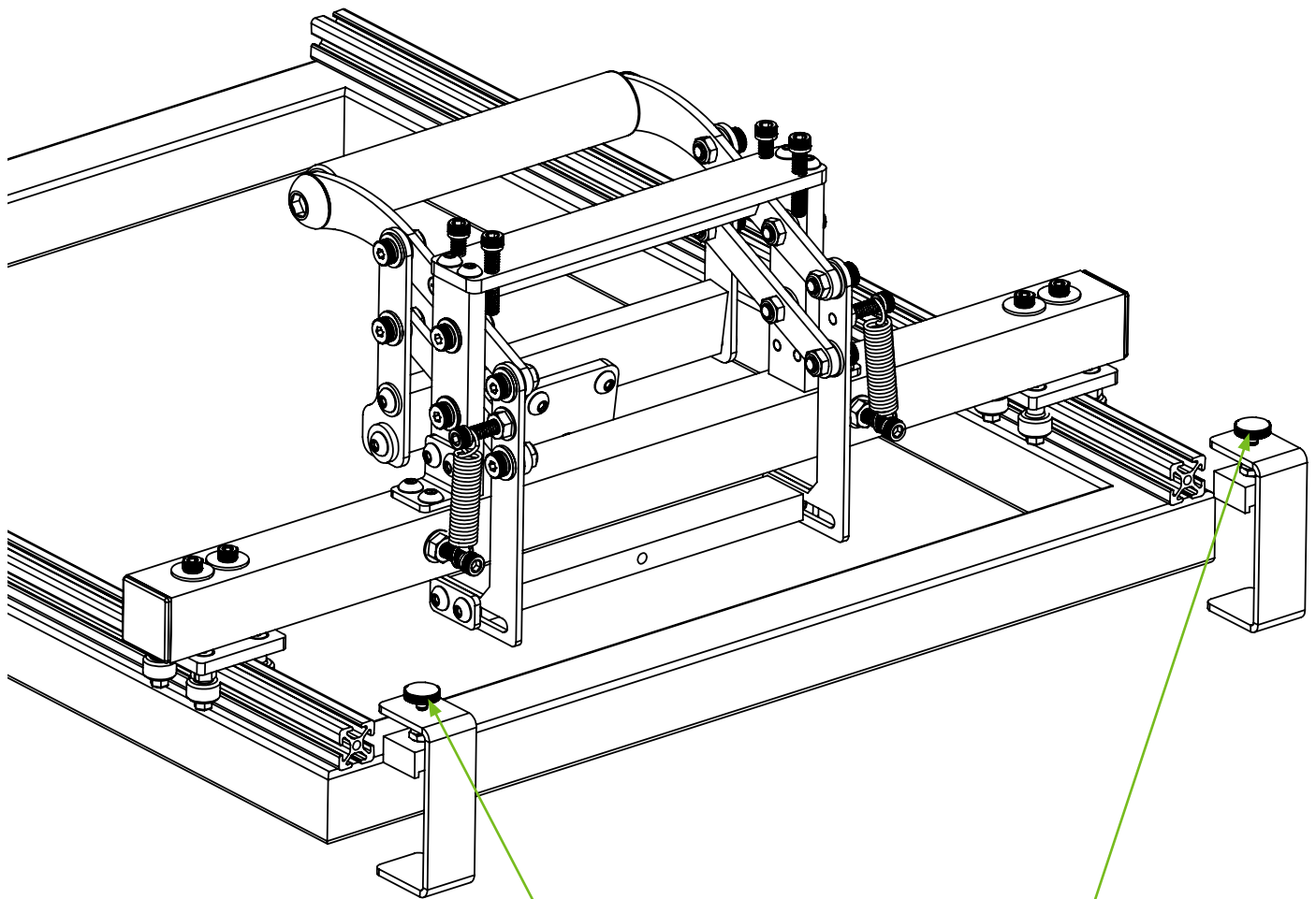


**NOTE:** Aluminum plate side down

## Step 9

Set the Rudy press assembly onto a 20" x 24" frame. Align the edges of the slider extrusion with the rear of the frame. Center the assembly left-to-right on the frame. Secure the slider extrusions with two of the clamping clips.

**NOTE:** Do not overtighten. Secure the extrusions just enough so they will not move during use.



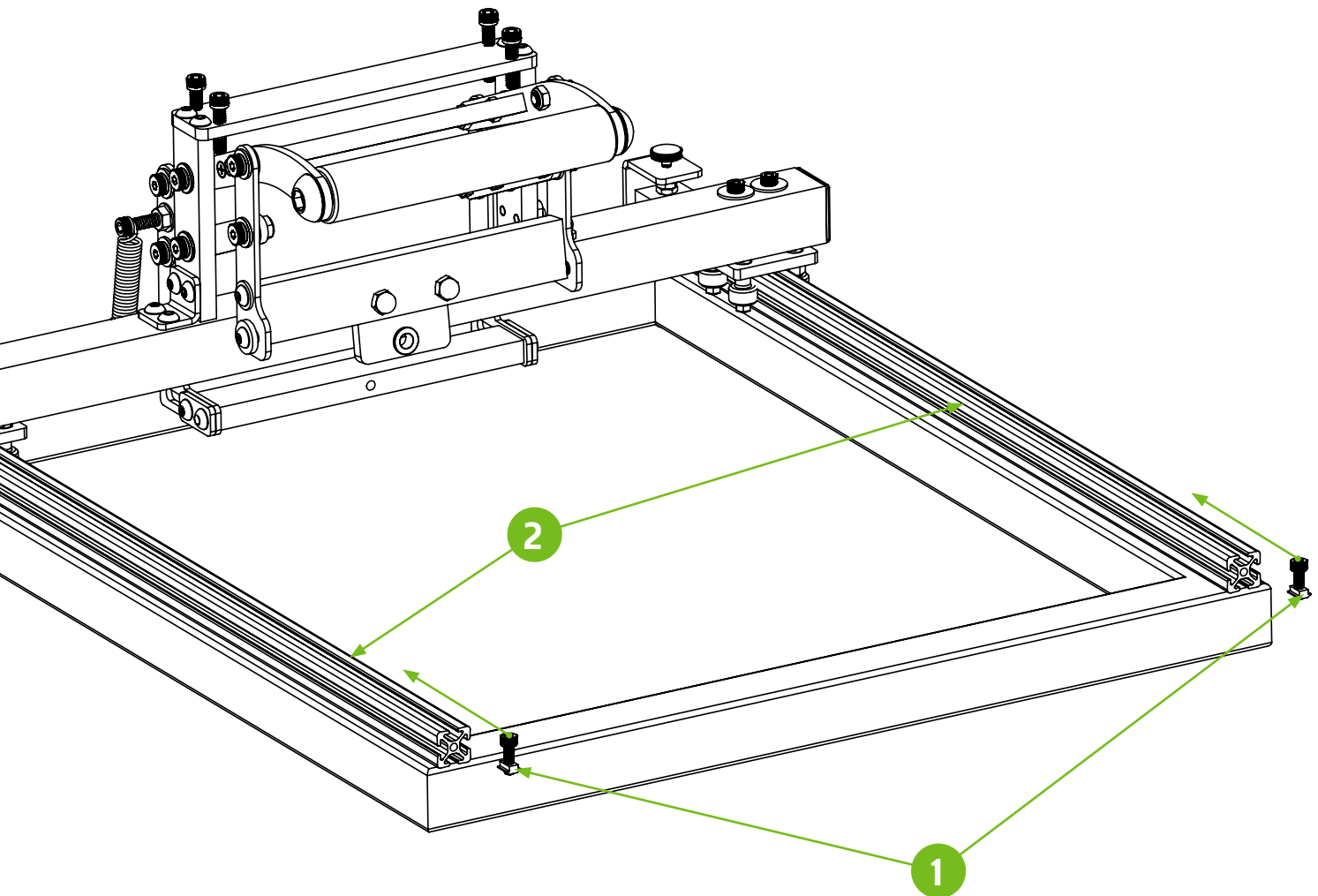
Tighten knobs  
**NOTE:** Do not overtighten

# Step 10

Slide the squeegee stop adjuster **1** into the V-grooves of the slider extrusion **2**. This can be adjusted to set the limit of the squeegee stroke based off the size of the image.

**NOTE:** Hand tighten this stop adjustment.

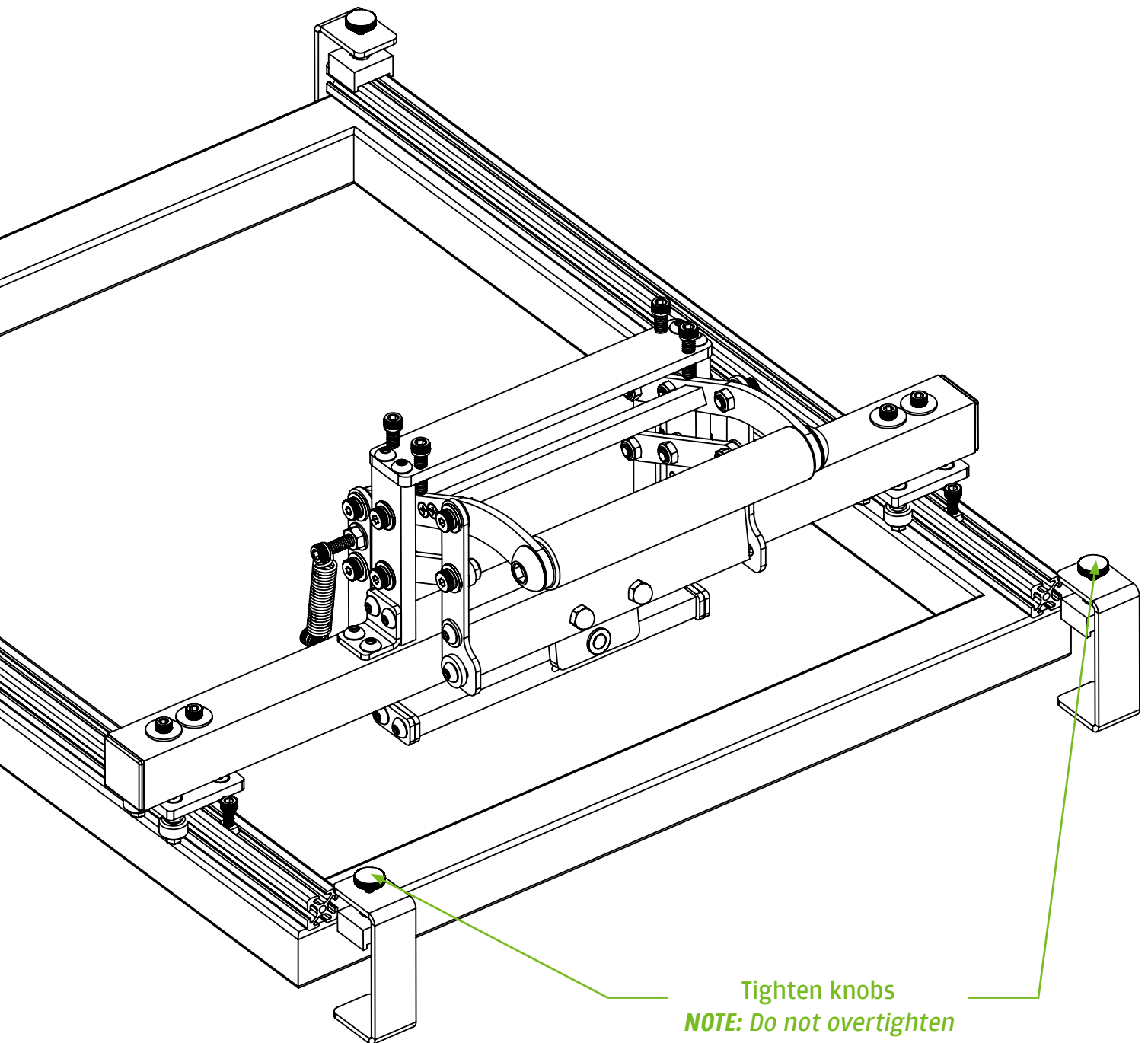
TAG	ITEM	QTY.
<b>1</b>	SLIDER RAIL ALUMINUM EXTRUSION	2
<b>2</b>	SQUEEGEE STOP ADJUSTER	2



# Step 11

Slide the main pivot assembly toward the front of the screen to ensure the rails are spaced the same left-to-right as the rear clamps. Once the slider extrusion is in alignment with the frame, install the front clamping clips.

**NOTE:** Do not overtighten. Secure the extrusions just enough so they will not move during use.



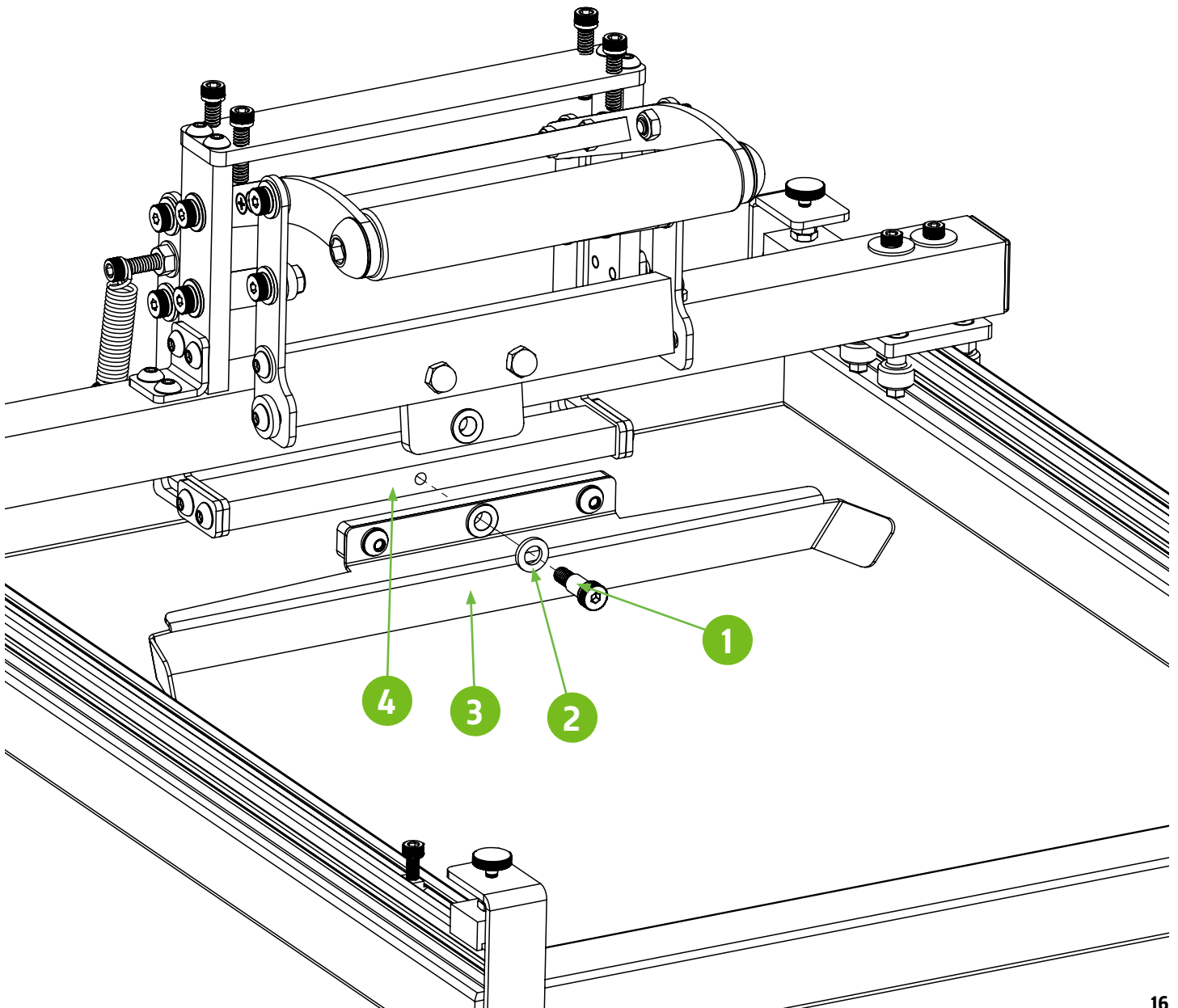
# Step 12

## Tools

Required: 5/32" Allen wrench

Install the flood bar assembly **3** into the threads of the holding cross bar **4**. Fasten with the supplied 5/16" shoulder bolt **1** and spacer **2**.

TAG	ITEM	QTY.
<b>1</b>	5/16" X 1/2" LONG SHOULDER BOLT	1
<b>2</b>	5/16" FLOOD BAR SPACER	1
<b>3</b>	12" FLOOD BAR ASSEMBLY	1
<b>4</b>	FLOOD BAR CONNECTING CROSS BAR	1



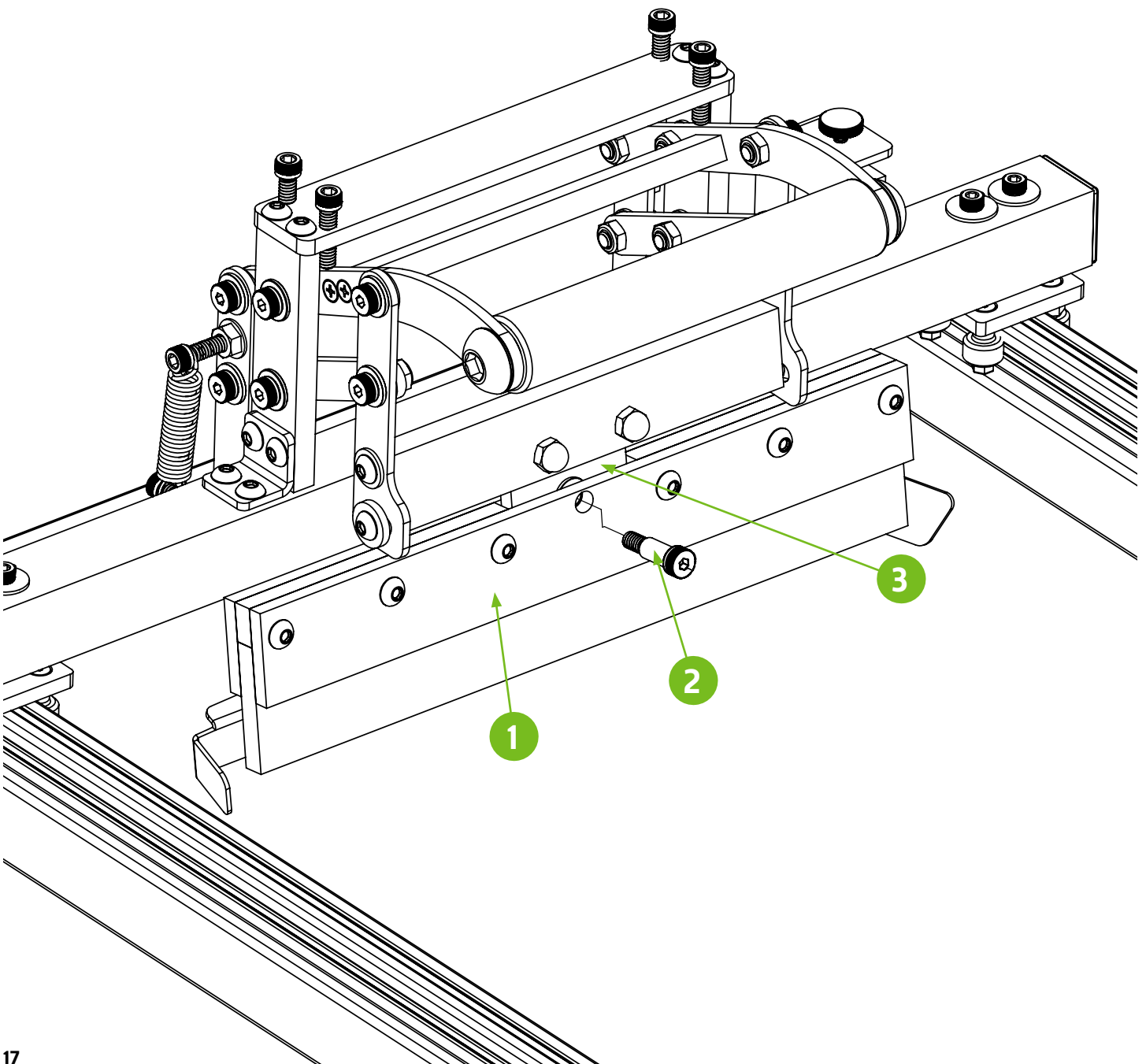
# Step 13

## Tools

Required: 5/32" Allen wrench

Install the squeegee assembly **1** into the threads of the holding cross bar **3**. Fasten with the supplied 5/16" shoulder bolt **2**.

TAG	ITEM	QTY.
<b>1</b>	12" SQUEEGEE ASSEMBLY- 70 DUROMETER	1
<b>2</b>	5/16" X 5/8" LONG SHOULDER BOLT	1
<b>3</b>	SQUEEGEE ATTACHMENT TAB WITH BUSHING	1



# Rudy Press Overview

## 1 Squeegee Adjustment:

Adjust the tilt angle of the squeegee with a 5/32" Allen wrench.

## 2 Flood Bar Height Adjustment

Hand adjust the screws for flood bar height setting. Lower screws for higher flood and raise screws for lower flood setting.

## 3 Squeegee Maximum Adjustment

Hand adjust the screws for max squeegee height setting. Lower screws for higher squeegee and raise screws for a lower squeegee height setting.

## 4 Slider Extrusion Clamping Clip

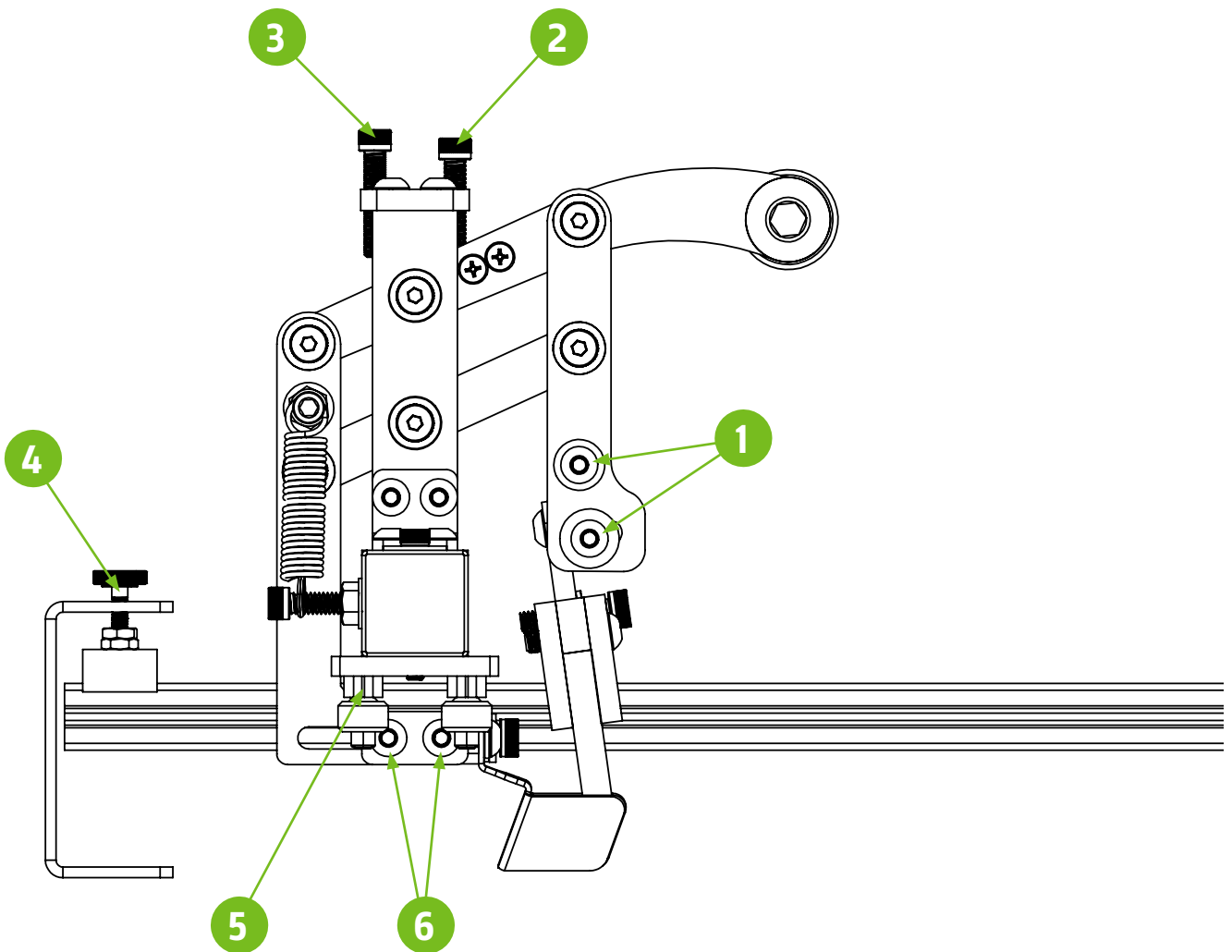
Hand tighten clips to secure slider extrusion to screen frame.

## 5 V-Wheel Tension Adjustment

Use a 10mm wrench or pliers to tighten or loosen the slider assembly. Slight rotations will decrease or increase tension.

## 6 Flood Bar Fore-Aft Adjustment:

Adjust the distance of the flood bar front-to-back with a 5/32" Allen wrench.





# ***RUDY PRESS***

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