

# SAWMILL ACCESSORY



## LAP SIDING ATTACHMENT OPERATOR'S MANUAL



DISCOVER THE WOODLAND™

Lap siding attachment is compatible with HM130, HM130MAX, and select HM122 & HM126 sawmills.

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## TECHNICAL SPECIFICATIONS

Item	Specification
Construction/Finish	Powder-Coated & Galvanized Steel Tubing & Plate
Shipping Weight	48 lb [21.7 kg]

## COMPATIBILITY

The lap siding attachment is designed to work with the following sawmill models:

Sawmill Model	Model Years	Lap Siding Compatible?
HM122	2019 & Earlier	No
	2020 & Newer	Yes
HM126	2016 & Earlier	No
	2017 & Newer	Yes
HM130	2016 & Earlier	No
	2017—2019	Yes
HM130MAX	2020 & Newer	Yes

The lap siding attachment is also compatible with the sawmills listed above in combination with any Woodlander™ or Bushlander™ sawmill trailer.

## BOLT TORQUE SPECIFICATIONS

Class 8.8 Bolt (Thread Size)	Torque
M5	54 in•lb [6 N•m]
M6	92 in•lb [11 N•m]
M8	225 in•lb [26 N•m]
M10	37 ft•lb [50 N•m]
M12	65 ft•lb [88 N•m]
M16	161 ft•lb [218 N•m]

## ASSEMBLY

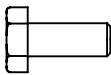
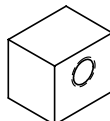
### 1. TOOLS REQUIRED

Tool	Specification
Wrench/Socket	8 mm
Wrench/Socket	9 mm
Wrench/Socket	10 mm
Wrench/Socket	13 mm
Wrench/Socket	14 mm
Wrench/Socket	15 mm
Wrench/Socket	16 mm
Wrench/Socket	17 mm
Wrench/Socket	18 mm
Wrench/Socket	19 mm
Hex Key	Set of Metric Hex Keys (e.g. 2-10 mm)
Adjustable Wrench	Variable
Torque Wrench	Capable of 161 ft•lb (218 N•m)

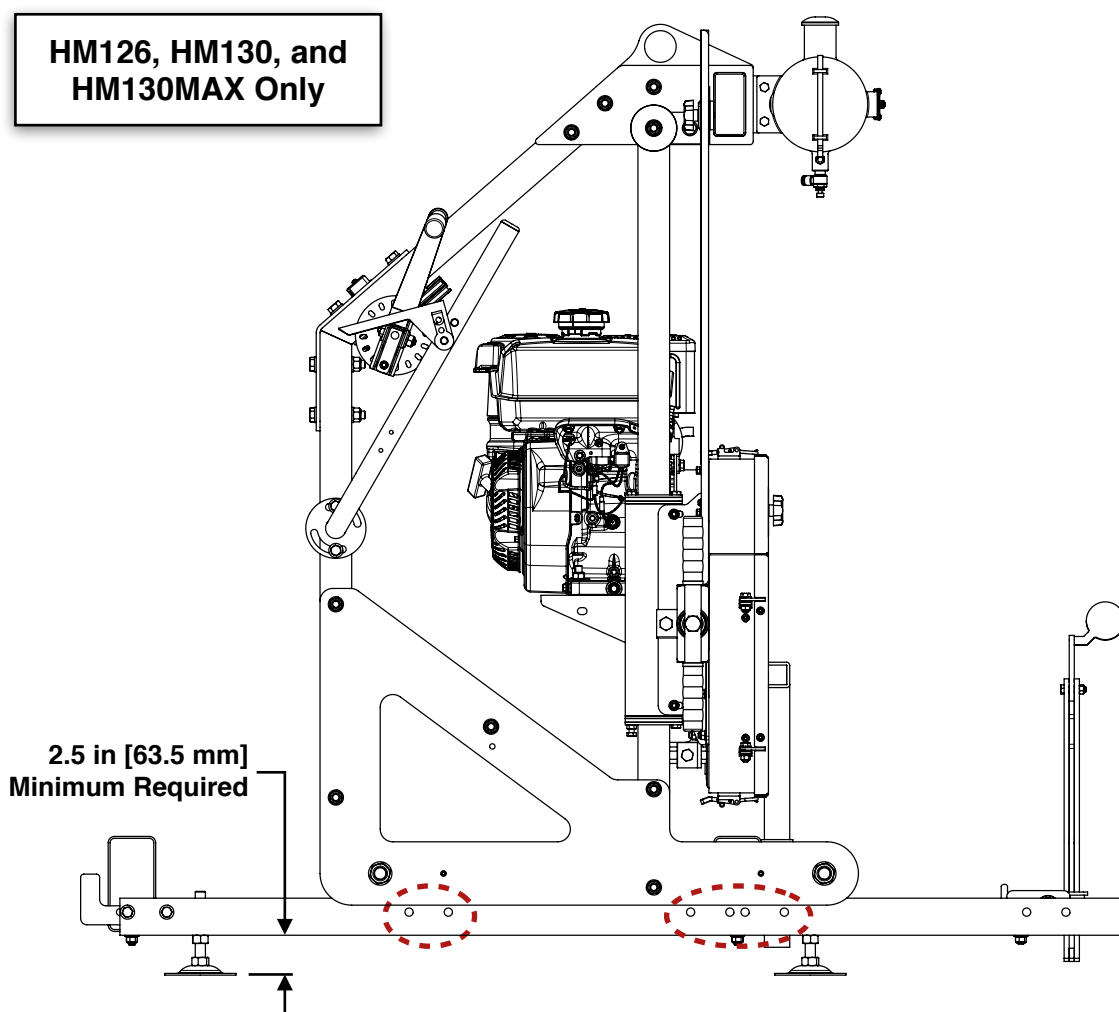


## 2. SETUP BLOCKS

Before starting the partial disassembly of the right-side carriage leg, setup blocks must be installed on the track in order to support the weight of the carriage while components are removed in later steps.

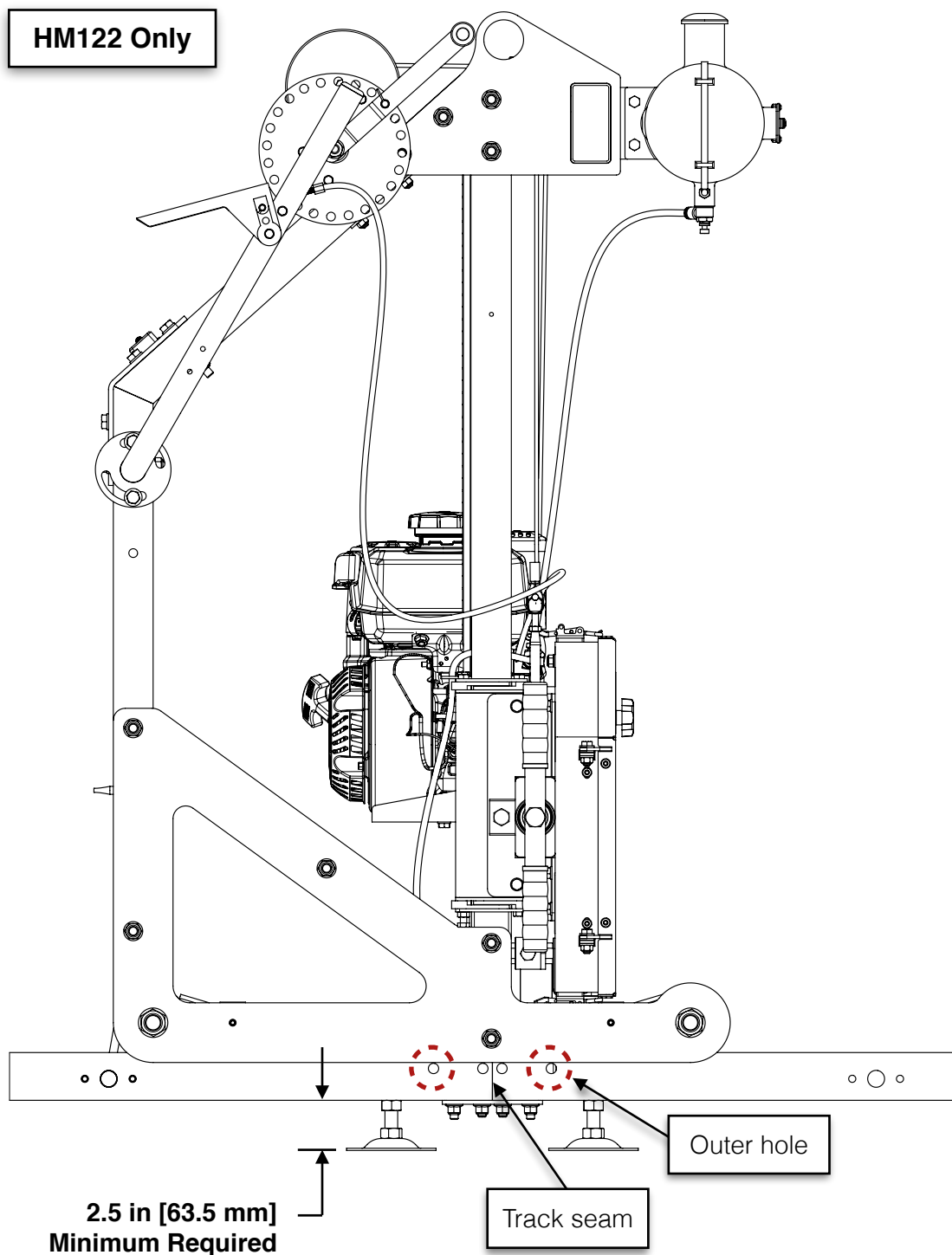
2x	M10 X 25 mm Hex Bolt		2x	Setup Block	
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For the HM126, HM130, or HM130MAX; roll the sawmill carriage until the rear carriage wheel is just behind the pair of track holes and the front carriage wheel is past the quad set of track holes.

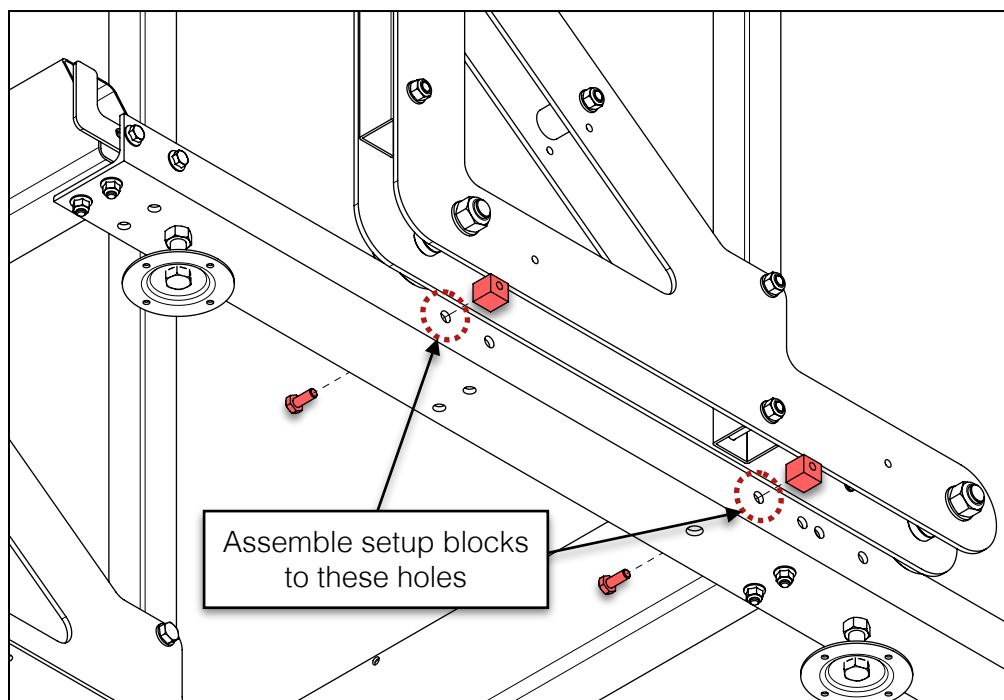


**\*\*Note: on ground-mounted sawmills, the lap siding attachment requires a minimum of 2.5 in [63.5 mm] of vertical track clearance, measured from the bottom of the track rail to the levelling foot/base.\*\***

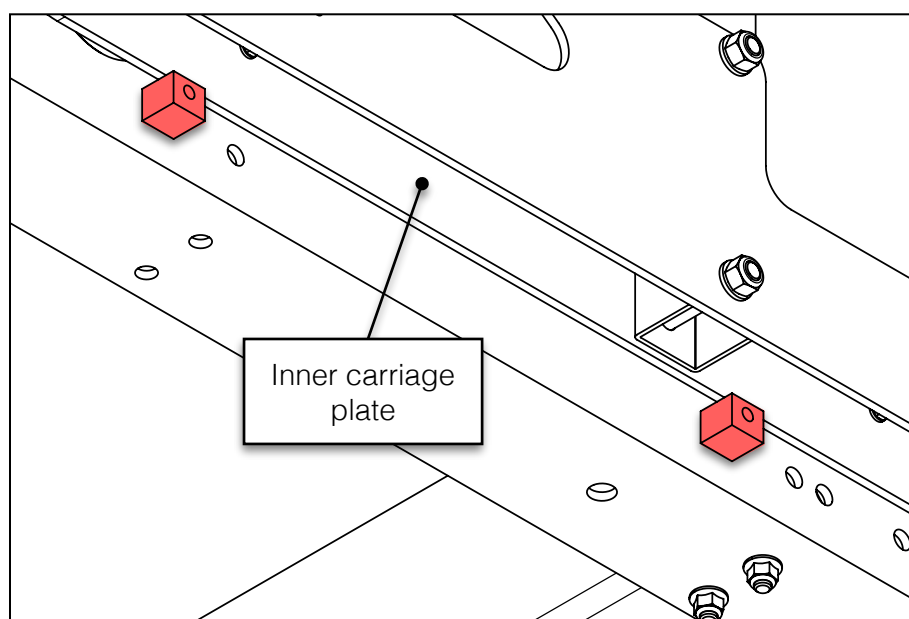
For HM122 sawmills, roll the carriage until the front carriage post is centred on of the track rail seams. The setup blocks for the HM122 will be installed on the outer two holes of the 4 hole pattern at the seam.



Assemble the two (2) setup blocks to the outer face of the track rail using two (2) M10 X 25 mm hex bolts through the holes shown below.



With the setup blocks in place, the inner carriage plate will support the weight of the sawmill carriage once the carriage wheels are removed. Note: the setup blocks sit approximately  $\frac{1}{8}$  in [3 mm] lower than the inner carriage plate prior to wheel removal—this is normal.



### 3. SAWMILL DISASSEMBLY

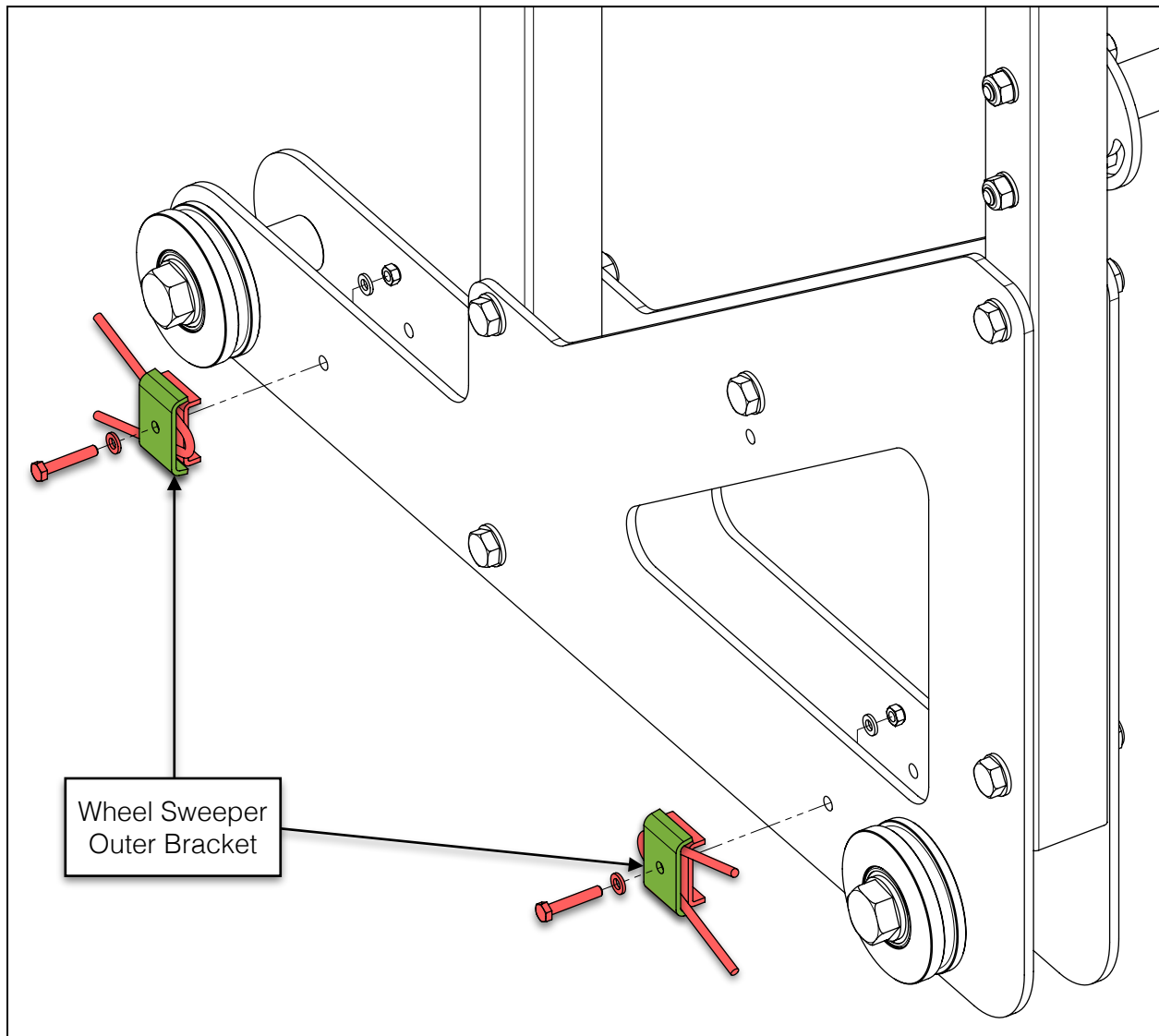
Some components and hardware must be removed from the sawmill before the lap siding attachment can be assembled. Be sure to store and label all these components and their associated hardware in case the lap siding attachment is removed in the future.

#### WHEEL SWEEPERS

Remove the two (2) wheel sweeper assemblies, two M6 X 35 mm hex bolts, four (4) M6 flat washers, and two (2) M6 lock nuts from the inside of the inner carriage plate.

The wheel sweeper outer bracket is reused in section, **CARRIAGE WHEEL SWEEPERS**.

**\*\*Some components removed for clarity\*\***

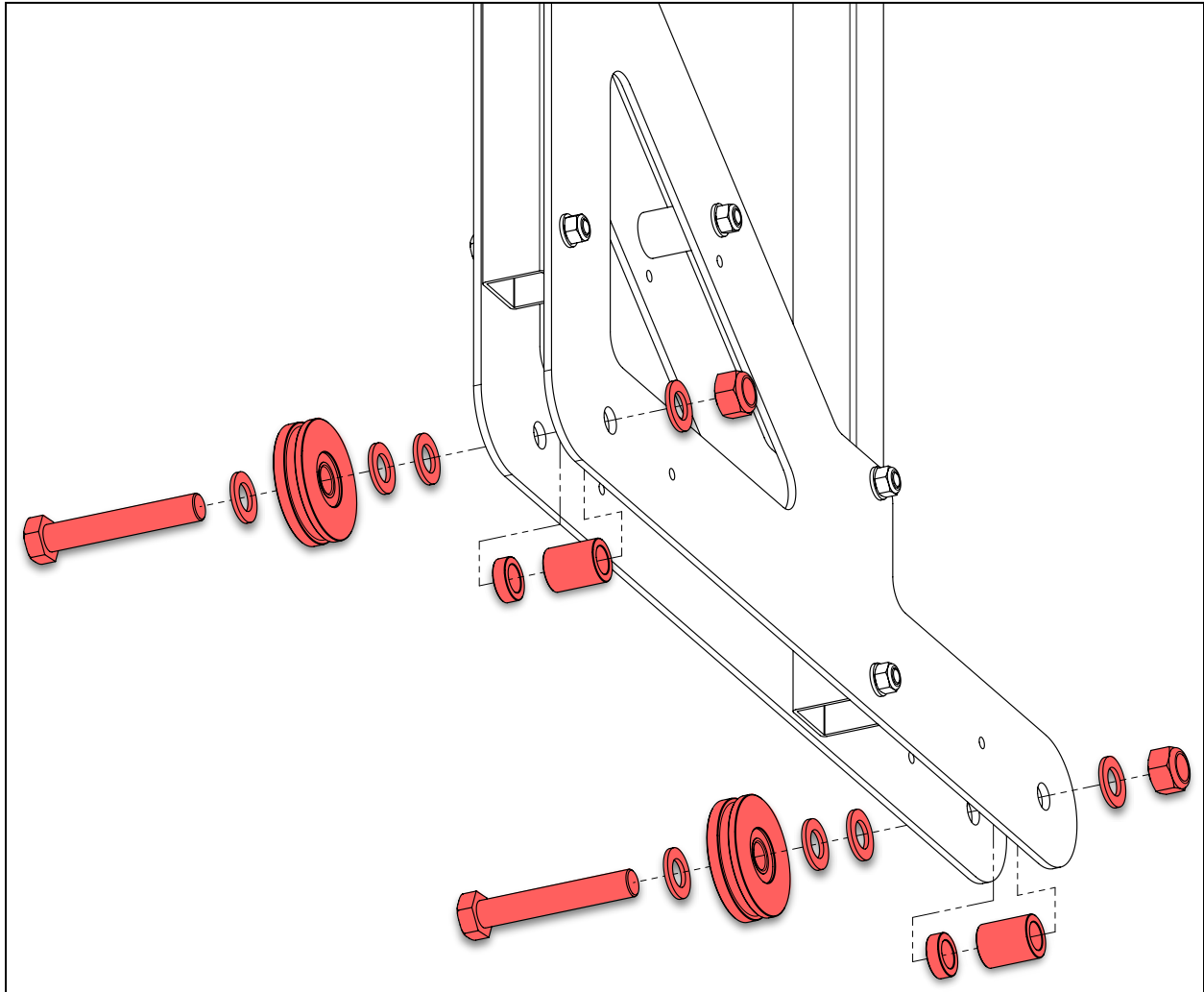


## CARRIAGE WHEELS AND SPACERS

Remove the two (2) carriage wheel assemblies, four (4) spacers\*, two (2) M20 X 120 mm hex bolts, eight (8) M20 flat washers, and two (2) M20 lock nuts from the right-side carriage leg.

\*Note: on pre-2020 model sawmills, there may be only one (1) spacer per carriage wheel.

**\*\*Some components removed for clarity\*\***

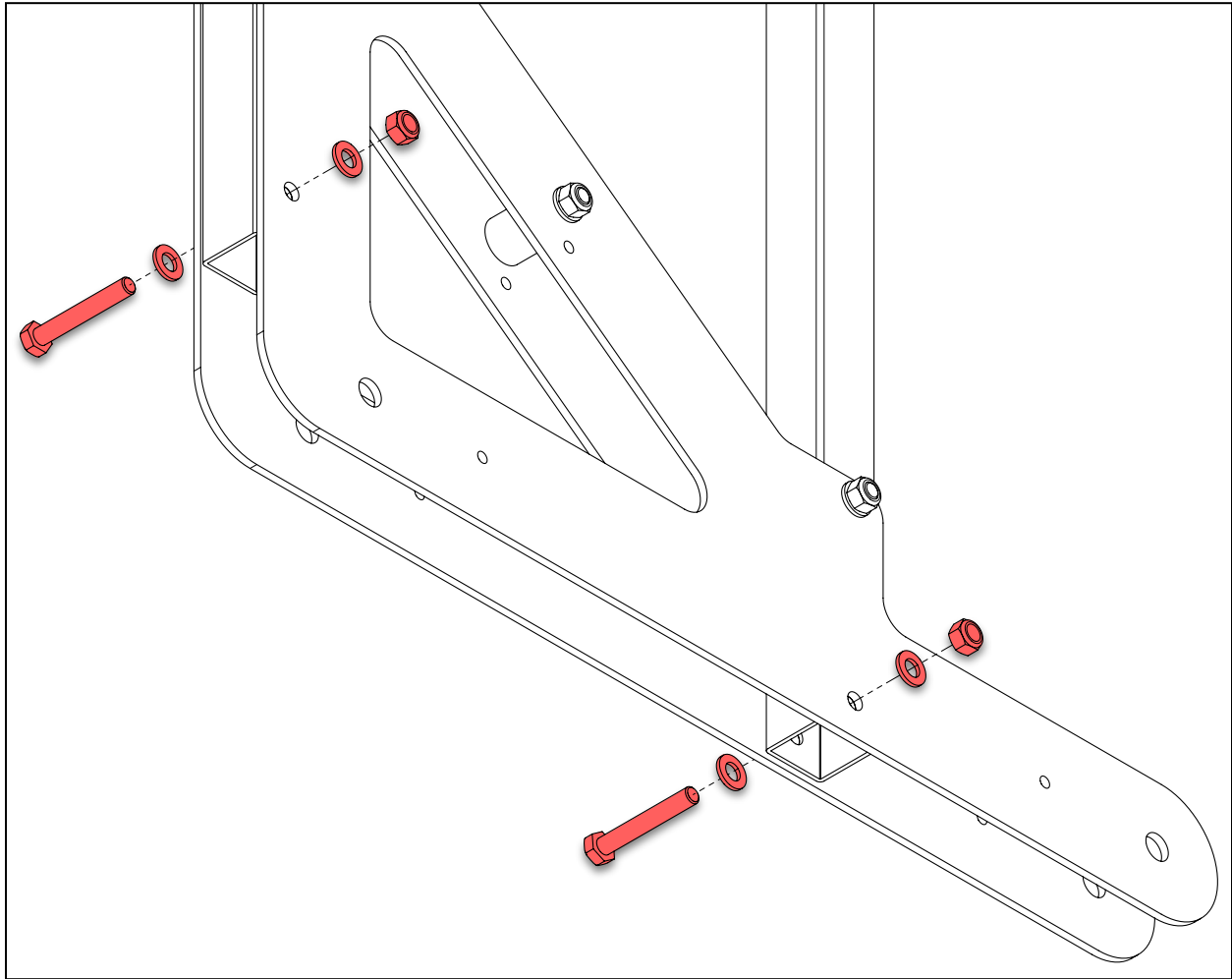


Once the carriage wheels are removed, the carriage will drop down and the inner carriage plate will rest on the setup blocks. See **Page 6** in section, **SETUP BLOCKS**, for more information.

## CARRIAGE POST LOWER BOLTS

Remove the two (2) M12 X 80 mm hex bolts, four (4) M12 flat washers, and two (2) M12 lock nuts from the bottom of each right-side carriage post.

**\*\*Some components removed for clarity\*\***



Set one (1) M12 X 80 mm hex bolt, two (2) M12 flat washers, and one (1) M12 lock nut aside to be reused on **Step 4, CHAIN ADJUSTMENT BRACKET.**

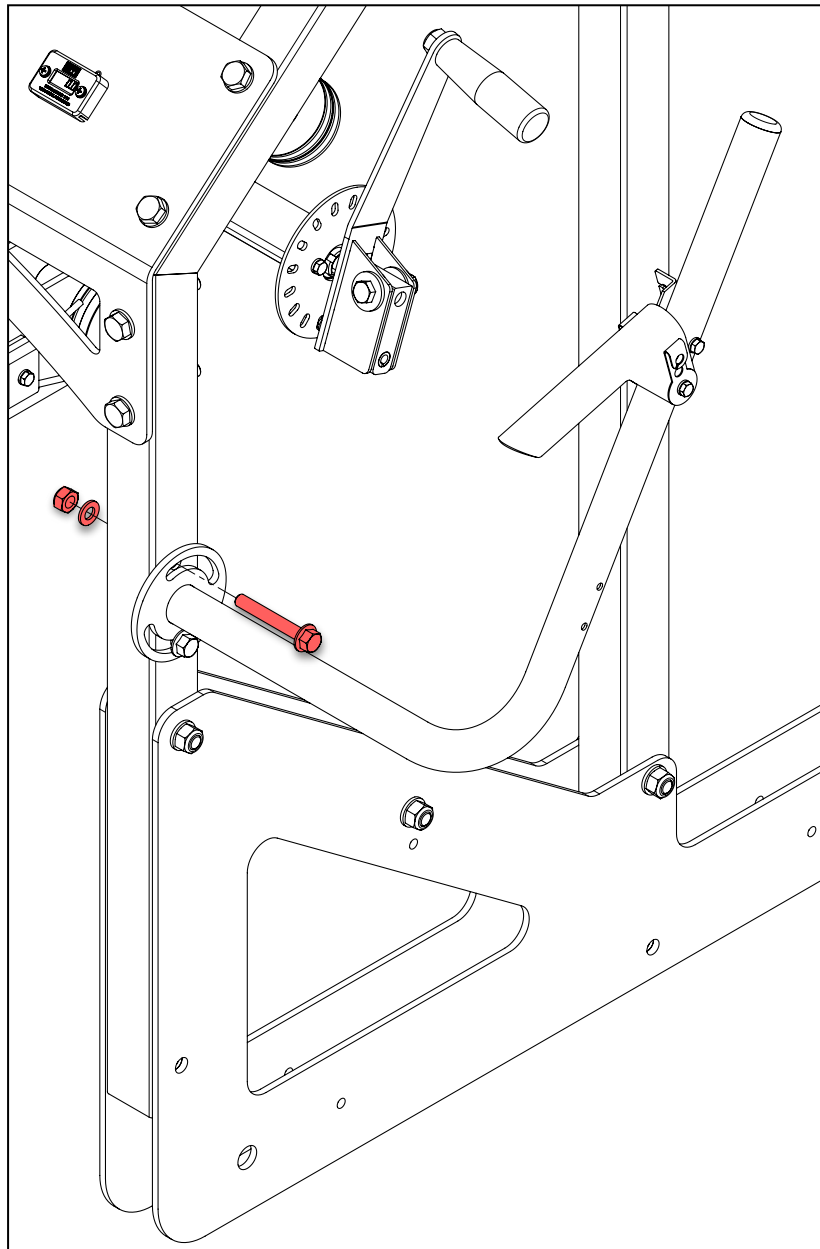


## PUSH HANDLE BOLT

**\*\*Ignore this step if lap siding attachment is being installed on an HM122.\*\***

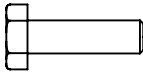
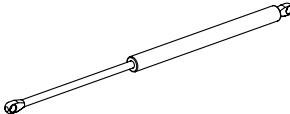

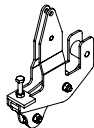
On 2020 model year sawmills, remove the upper M10 X 70 mm flanged hex bolt, M10 flat washer, and M10 lock nut from the push handle. On earlier model sawmills, remove the upper M12 X 70 mm hex bolt, M12 flat washer, and M12 lock nut from only the *lower* end of the handle.

**\*\*Some components removed for clarity\*\***



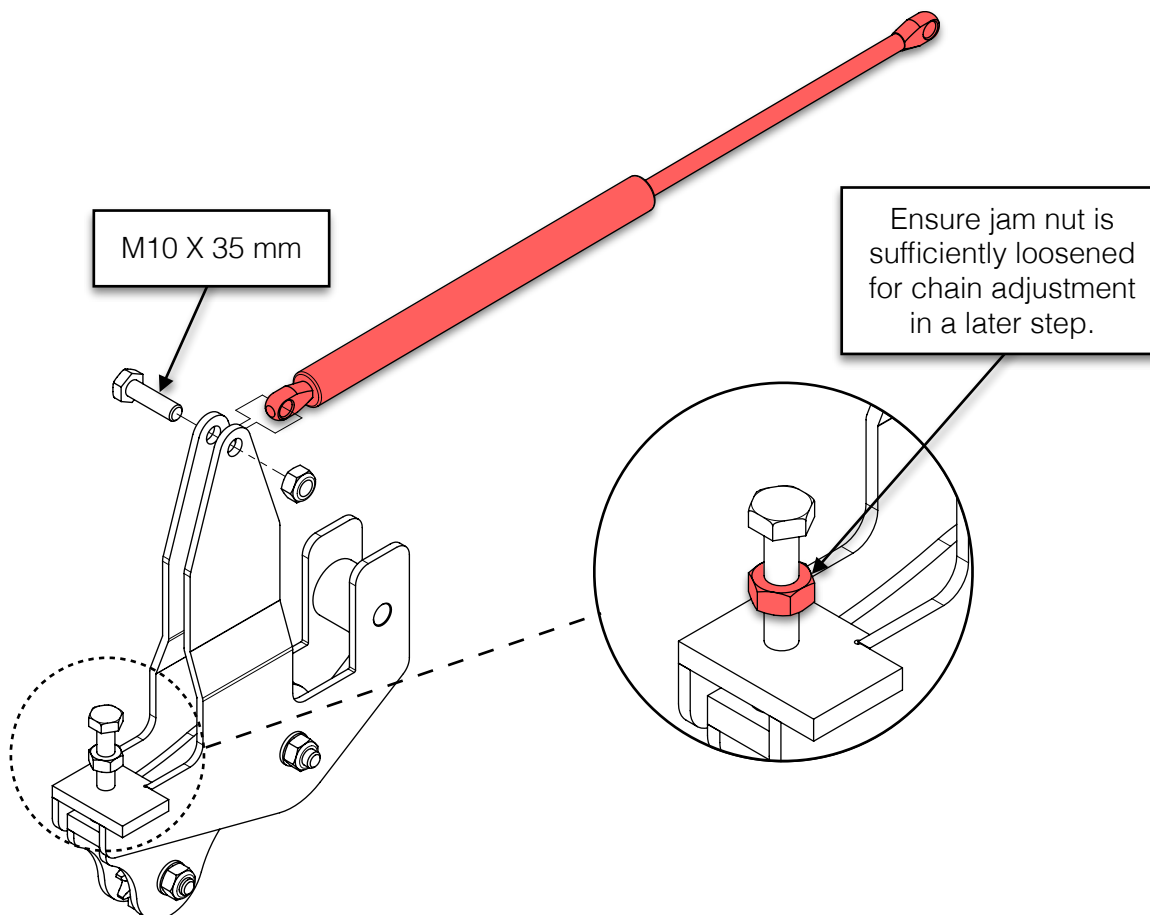
## 4. CHAIN ADJUSTMENT BRACKET

Using the hardware listed below, assemble the gas spring to the chain adjustment bracket.

1x	M10 X 35 mm Hex Bolt		1x	Gas Spring	
2x	M10 Lock Nut		1x	Chain Adjustment Bracket	

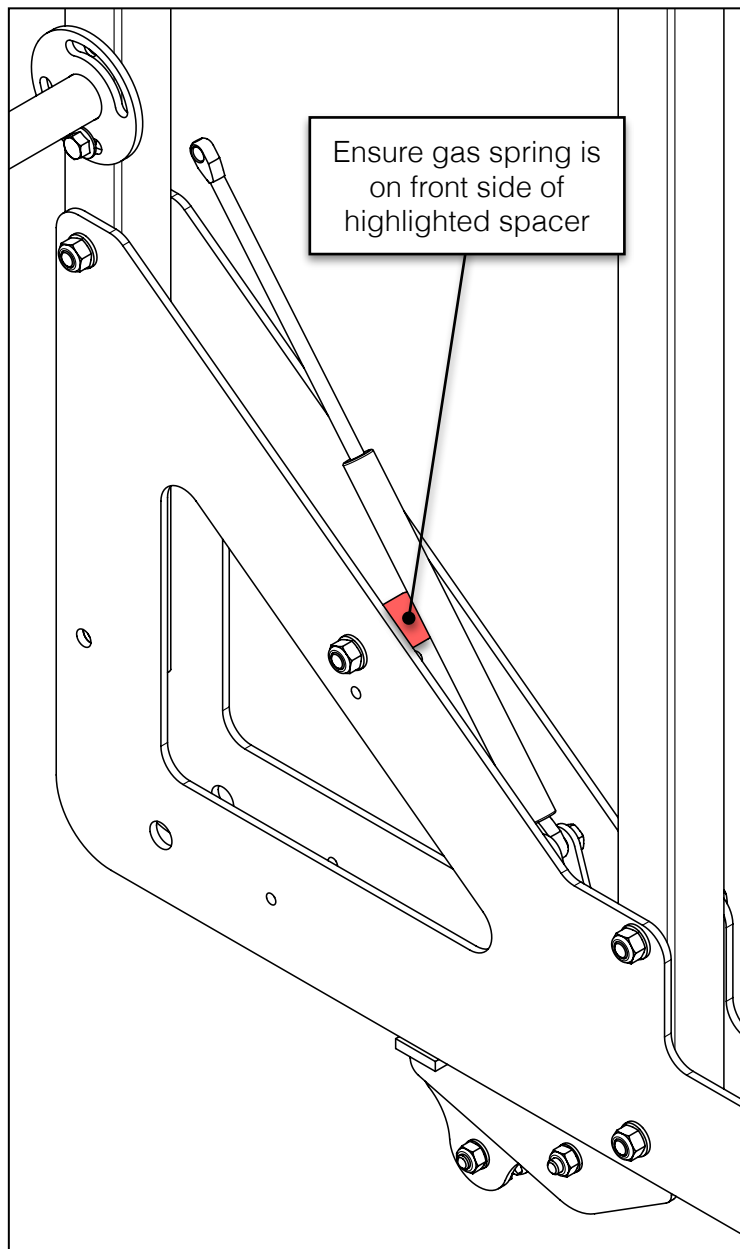
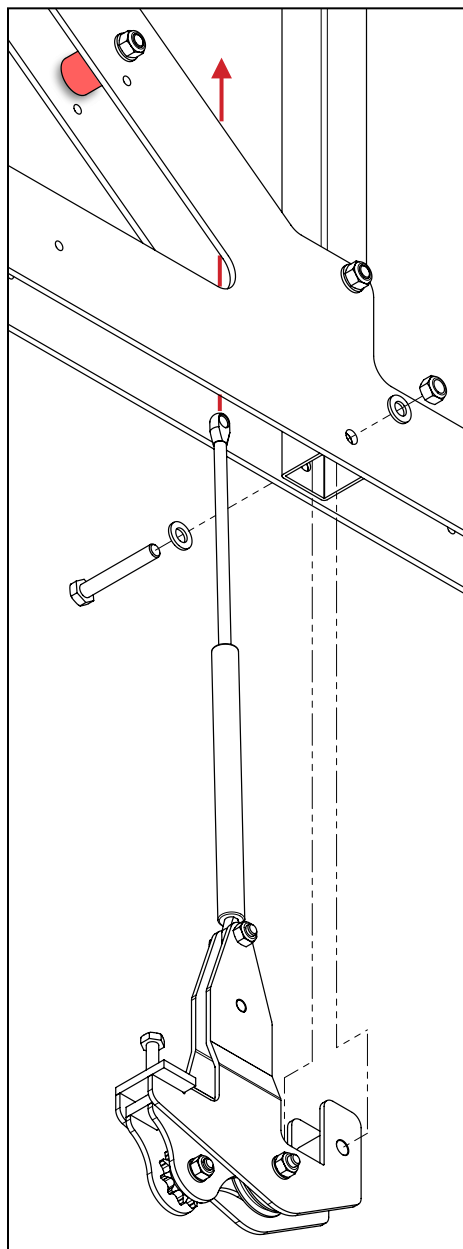
Assemble the gas spring to the chain adjustment bracket using one (1) M10 X 35 hex bolt and one (1) M10 lock nut. Take care not to over-tighten the bolt to ensure the gas spring pivots with ease.

Ensure the jam nut is sufficiently loosened on the lower sprocket adjustment bolt.



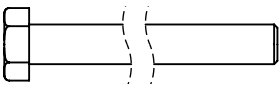
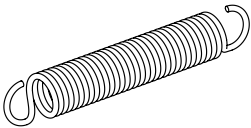
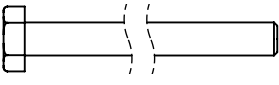
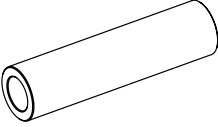
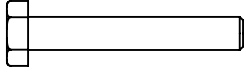
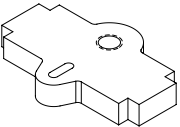
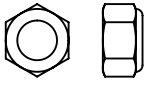
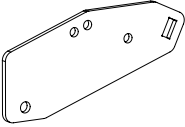

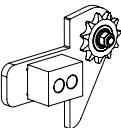
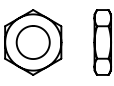
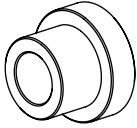

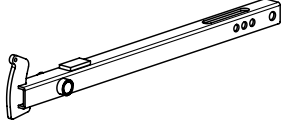

Insert the chain adjustment bracket and gas spring sub-assembly between the carriage side plates from the bottom. Insert the front tabs of the bracket up inside the front carriage post and secure it with the M12 X 80 mm hex bolt, two (2) M12 flat washers, and one (1) M12 lock nut from **Step 3, CARRIAGE POST LOWER BOLTS**.

**\*\*Some components removed for clarity\*\***



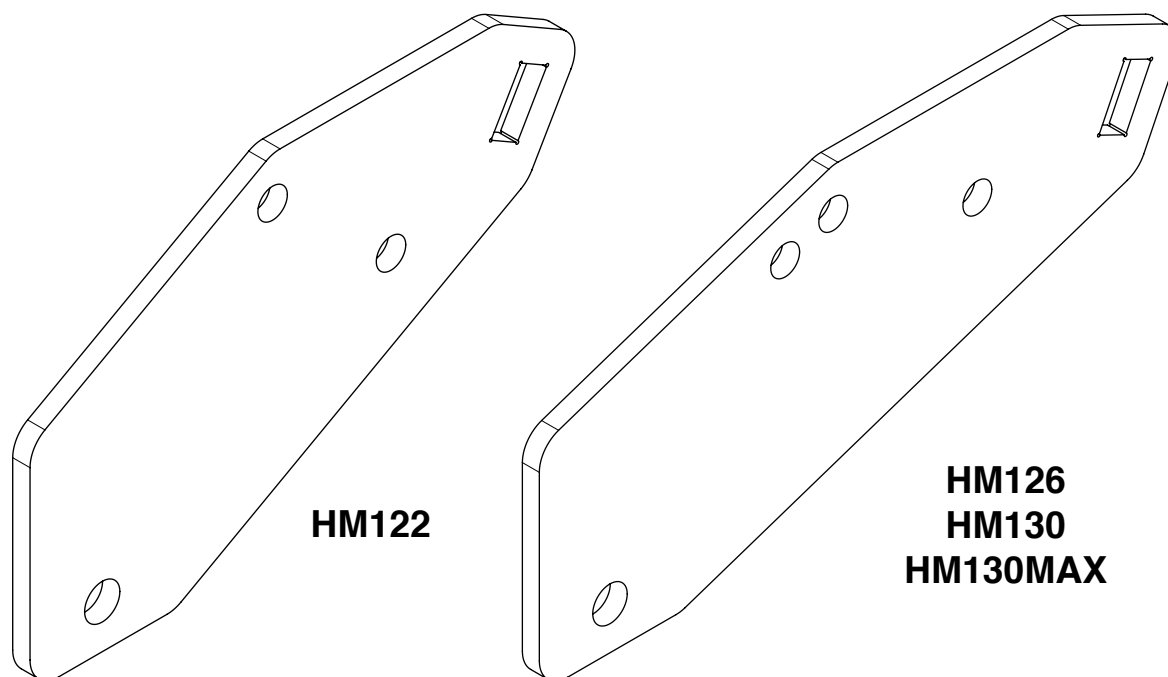
## 5. REAR IDLER, LEVER PLATES, & CHAIN LEVER

Using the hardware listed below, assemble the rear idler, lever plates, and chain lever to the carriage leg.

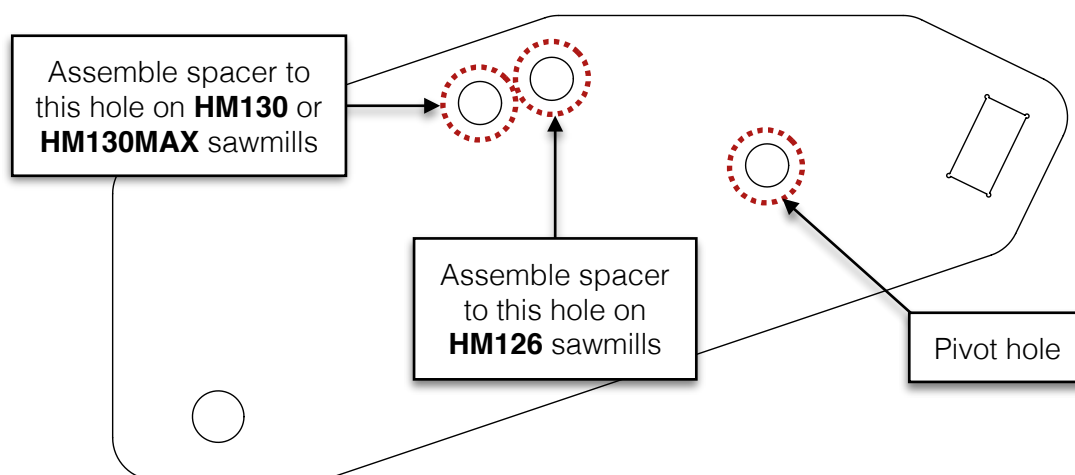
1x	M12 X 100 mm Hex Bolt		1x	Extension Spring	
2x	M10 X 90 mm Hex Bolt		1x	Spacer	
1x	M10 X 65 mm Hex Bolt		1x	Tuning Block	
1x	M12 Lock Nut		2x	Chain Lever Plate	
2x	M10 Lock Nut		1x	Rear Idler	
1x	M10 Thin Hex Nut		2x	Bushing	
2x	M12 Flat Washer		1x	Chain Lever	
4x	M10 Flat Washer				

## LEVER PLATES

Depending on the sawmill model, there are two (2) different styles of lever plates. Both are installed in a similar manner using the same hardware, however, the hardware for the HM126/HM130(MAX) version must be assembled through the correct holes as indicated in the graphic at the bottom of the page.

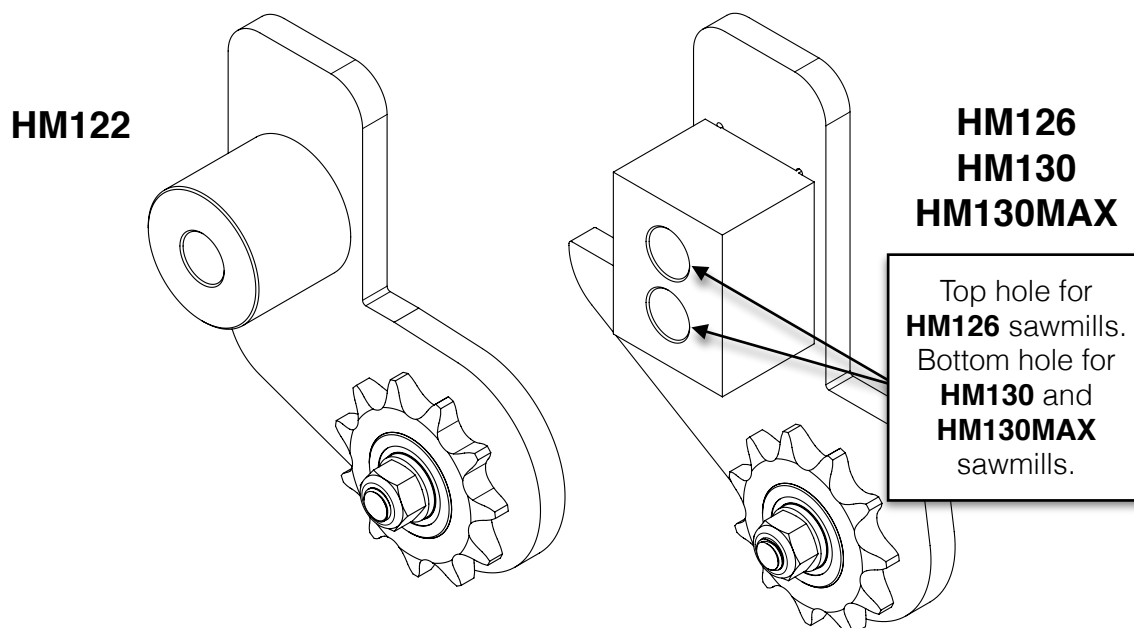


The lever plate for the HM126, HM130, and HM130MAX works with all three (3) sawmill models. Care must be taken to assemble the spacer to the proper hole in the lever plate depending on the model.



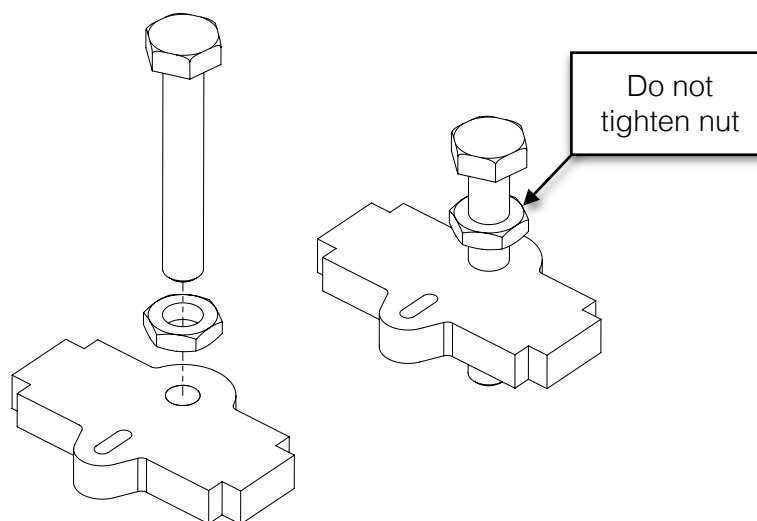
## REAR IDLER

Depending on the sawmill model, there are two (2) different styles of rear idler. Both are installed in the same manner using the same hardware.



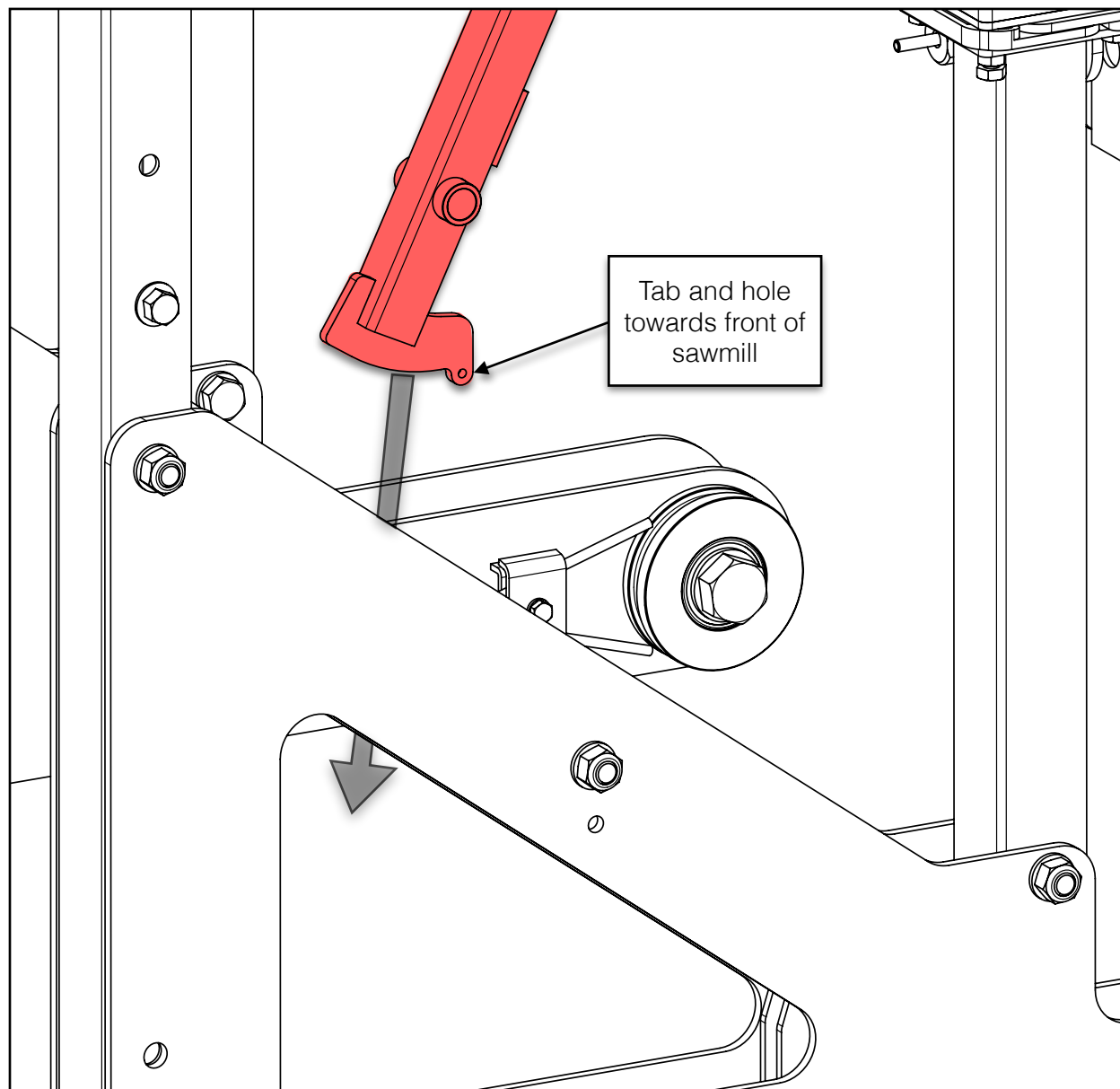
## TUNING BLOCK

First, assemble the M10 X 65 mm hex bolt and M10 thin hex nut to the tuning block as shown below. Thread the bolt into the block until it passes through the other side but do not tighten the thin nut as the bolt will be adjusted in a later step.

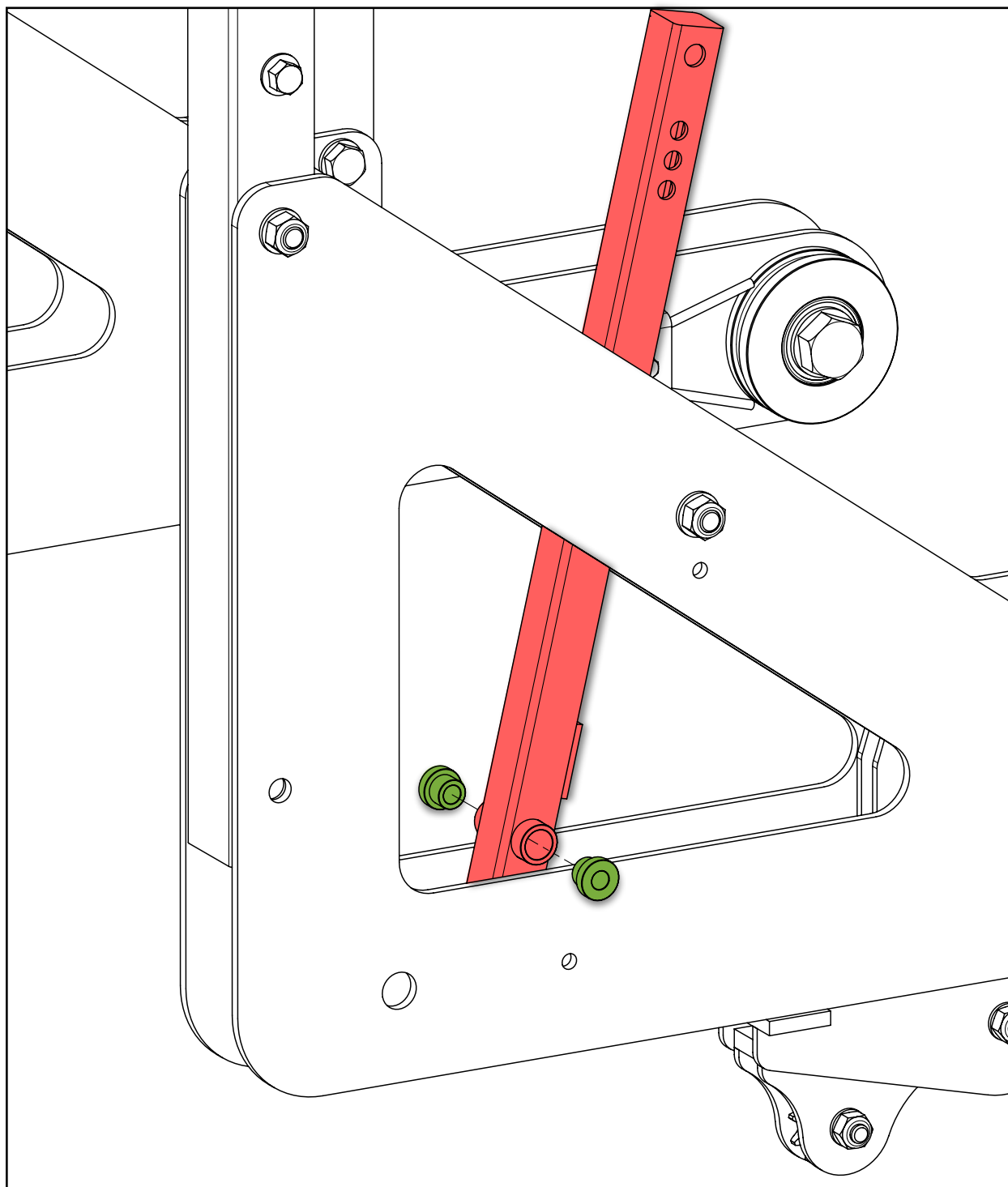


## INSTALLATION

Slide the chain lever down between the carriage side plates.

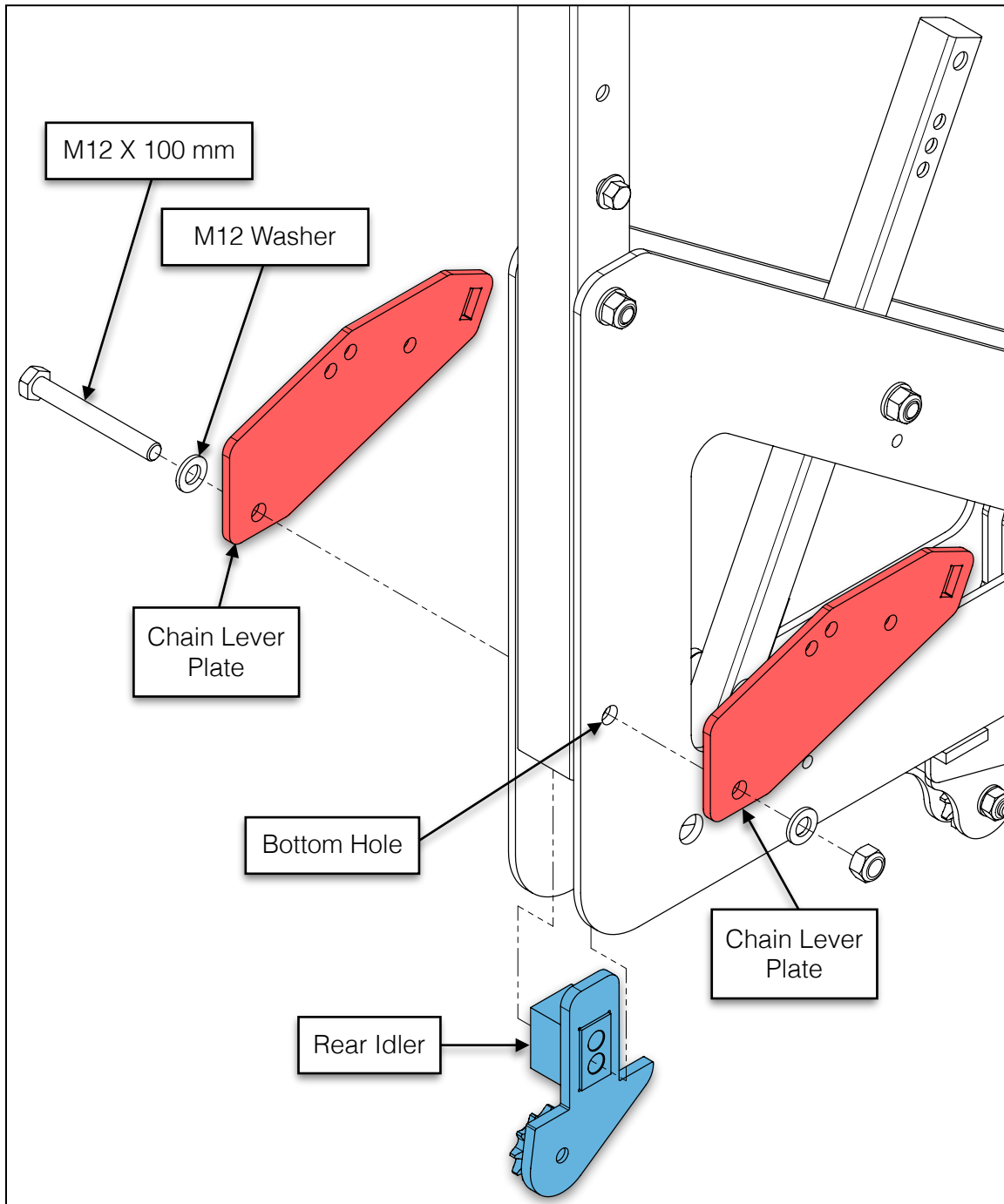


Insert the two (2) bushings into the left and right side of the chain lever.

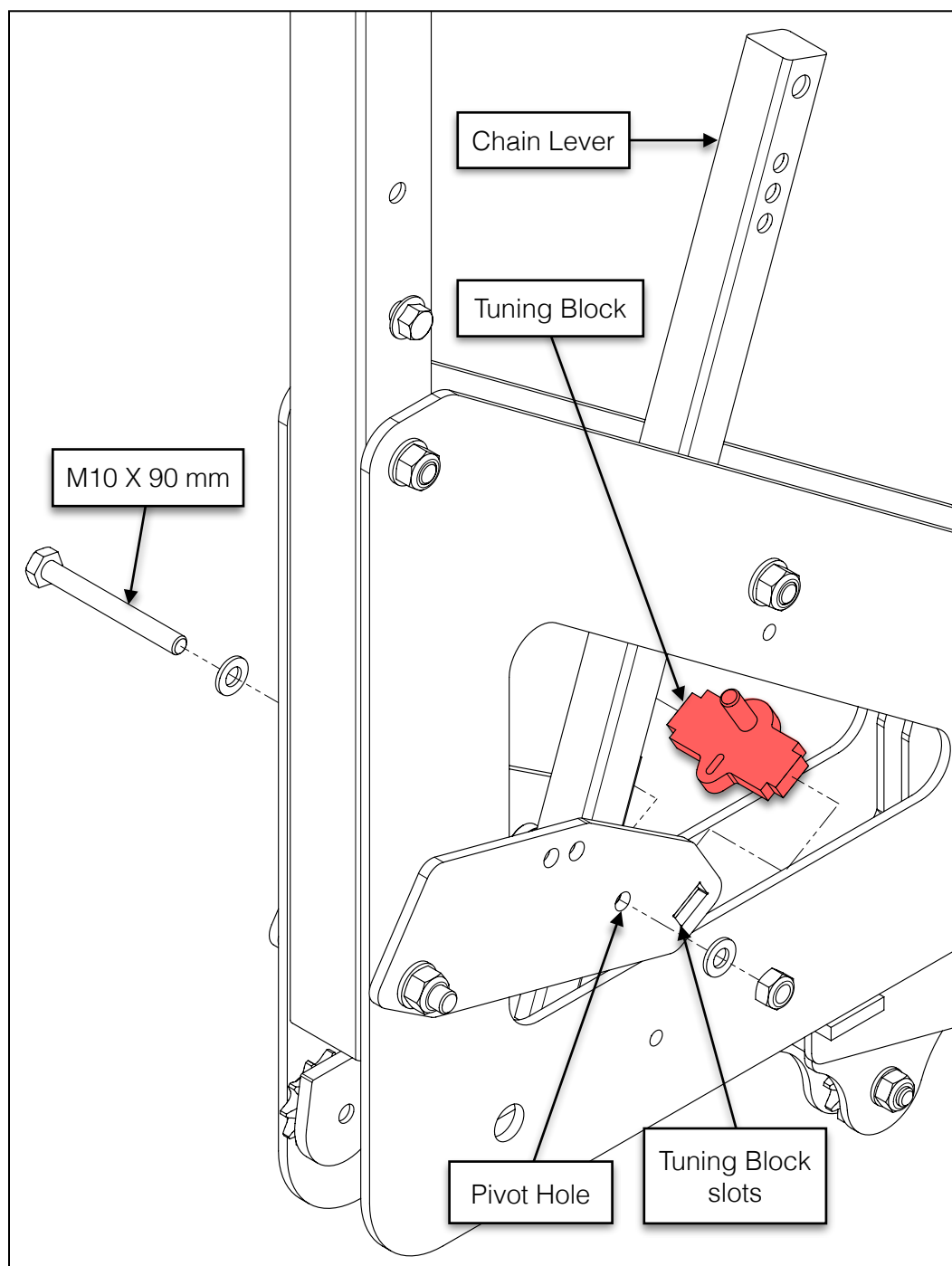




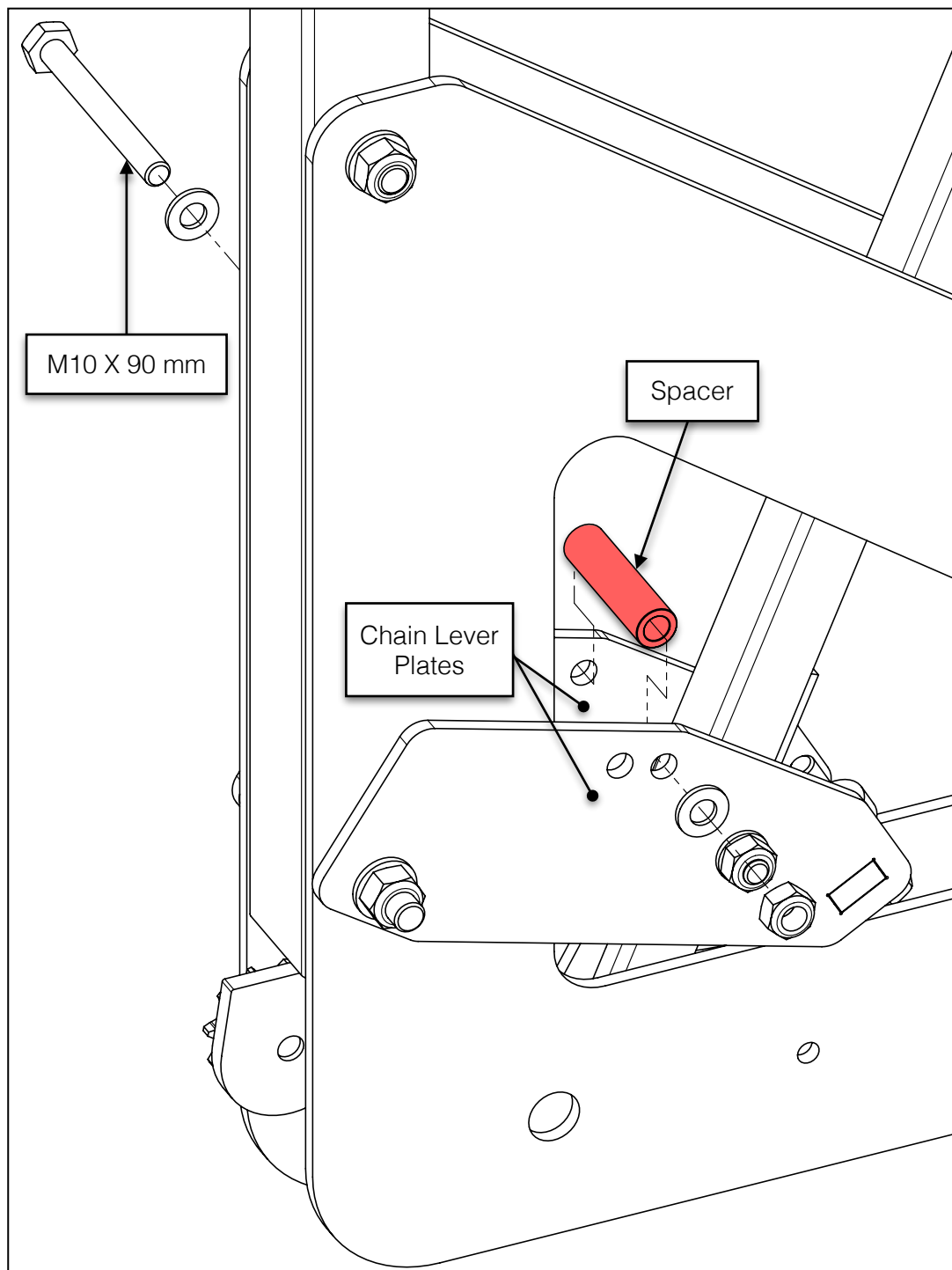
Insert one (1) M12 X 100 mm hex bolt through the bottom hole of the rear post with one (1) M12 flat washer and one (1) chain lever plate. Do not fully slide the bolt through the post. Insert the rear idler into the bottom of the post and fully slide the bolt through. Secure the remaining chain lever plate on the outside of the carriage with one (1) M12 flat washer and one (1) M12 lock nut. Do not fully tighten the hardware.



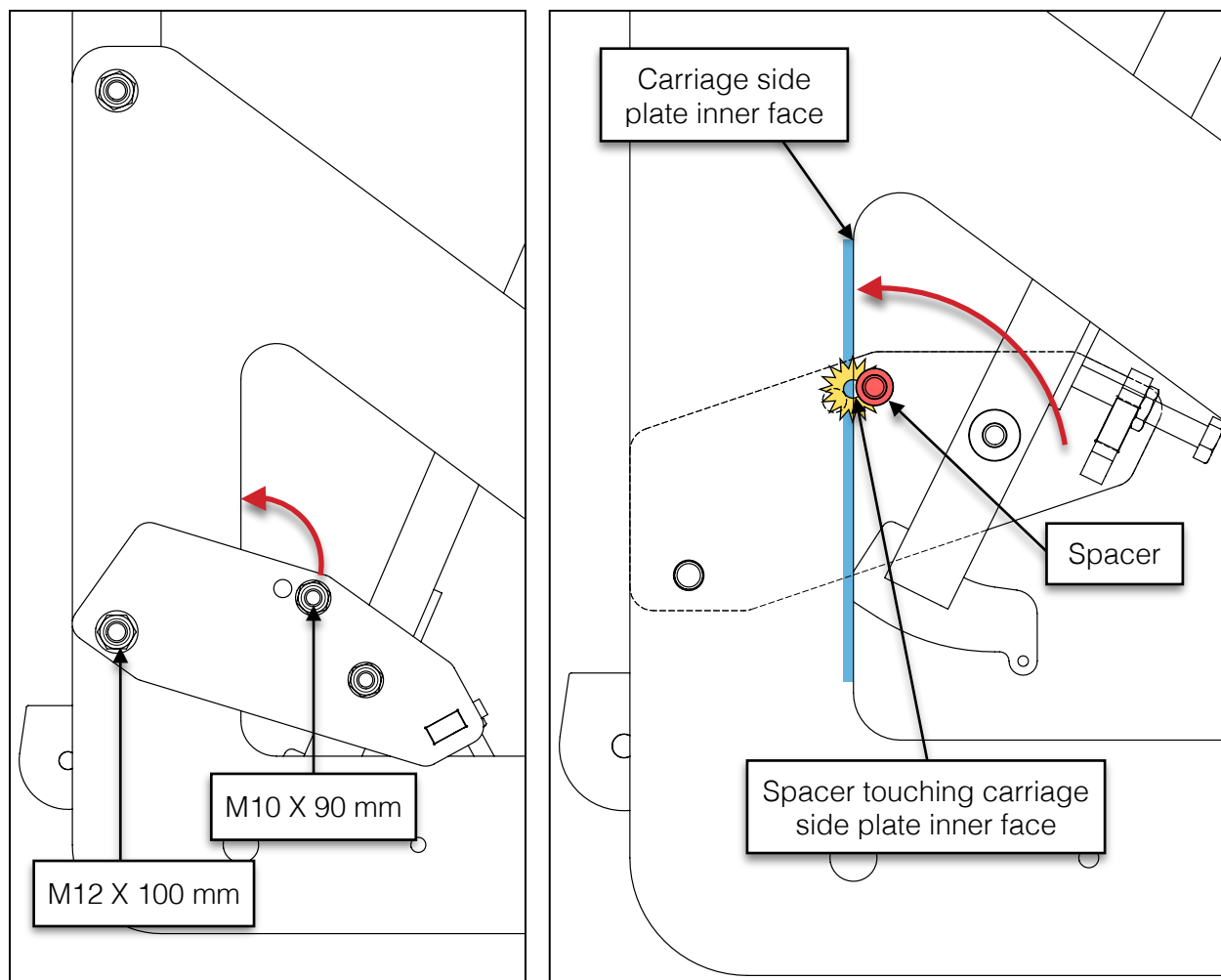
Next, slide the chain lever in between the two chain lever plates, aligning it with the pivot hole (as discussed in section, ***LEVER PLATES***, on page 15). Secure it with one (1) M10 X 90 mm hex bolt, two (2) M10 flat washers, and one (1) M10 lock nut. Do not fully tighten the hardware. Insert the tuning block into the slots in the front of the chain lever plates. Orient the tuning block as shown below.



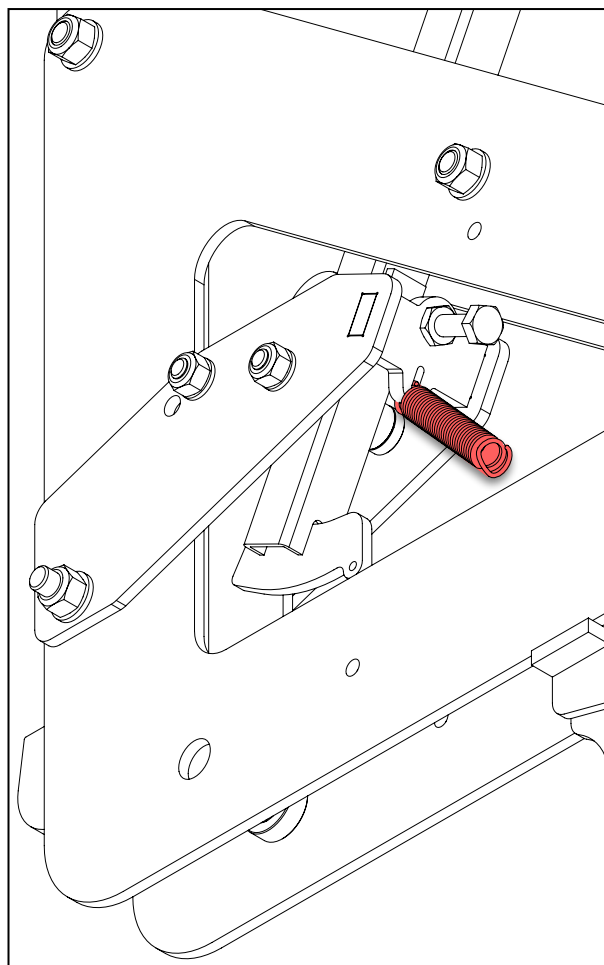
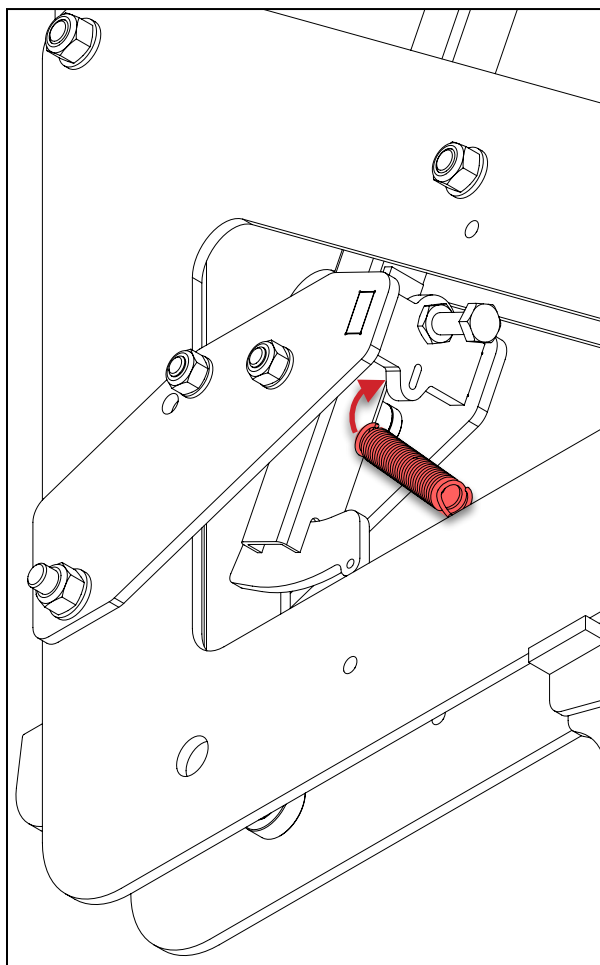
Next, position the spacer between the lever plates, aligning it with the appropriate holes in the plates (as discussed in section, ***LEVER PLATES***, on page 15). Secure it with one (1) M10 X 90 mm hex bolt, two (2) M10 flat washers, and one (1) M10 lock nut. Do not tighten the hardware.



Position the spacer and plates so that the spacer makes contact with the inner edge of the carriage side plate. Fully tighten the M10 X 90 mm hex bolt at the spacer then fully tighten the M12 X 100 mm hex bolt. Tighten the M10 X 90 mm pivot bolt so the chain lever can freely rotate forward and backward.

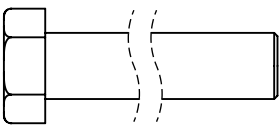
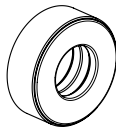
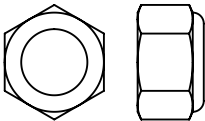
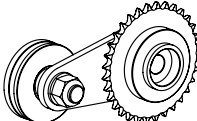
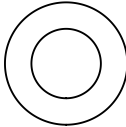


Finally, hook the extension spring onto the slot in the tuning block as shown below and allow the free end to simply hang down.

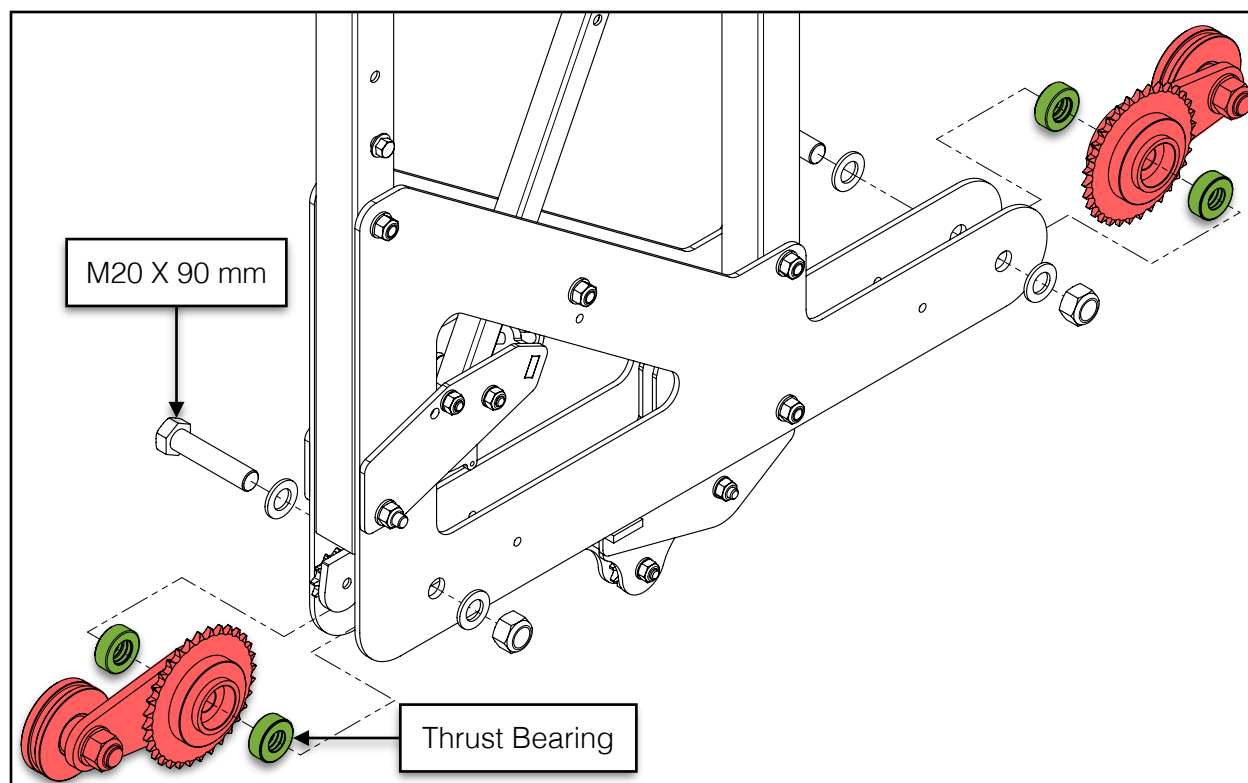


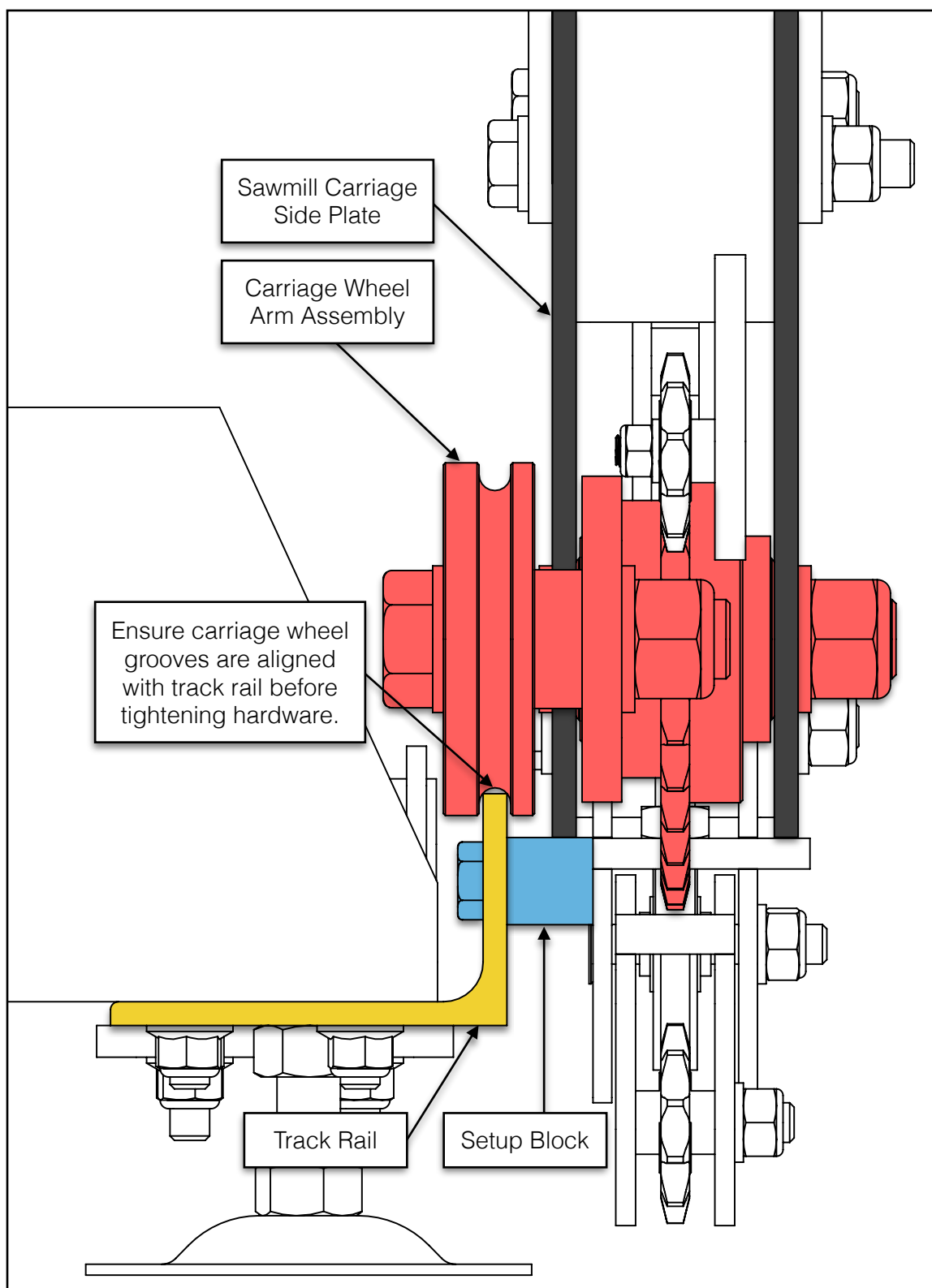
## 6. CARRIAGE WHEEL ARMS

Using the hardware listed below, assemble the carriage wheel arms to the carriage leg.

2x	M20 X 90 mm Hex Bolt		4x	Thrust Bearing [51204]	
2x	M20 Lock Nut		2x	Carriage Wheel Arm Sub-Assembly	
4x	M20 Flat Washer				

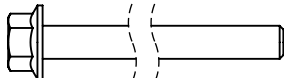
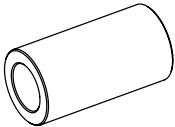

Insert two (2) thrust bearings into each carriage wheel arm and assemble them to the carriage leg, ensuring the grooves in the carriage wheels align with the track rail (see graphic on next page). Use one (1) M20 X 90 mm hex bolt, two (2) M20 flat washers, and one (1) M20 lock nut for each carriage wheel arm. Fully tighten all hardware.





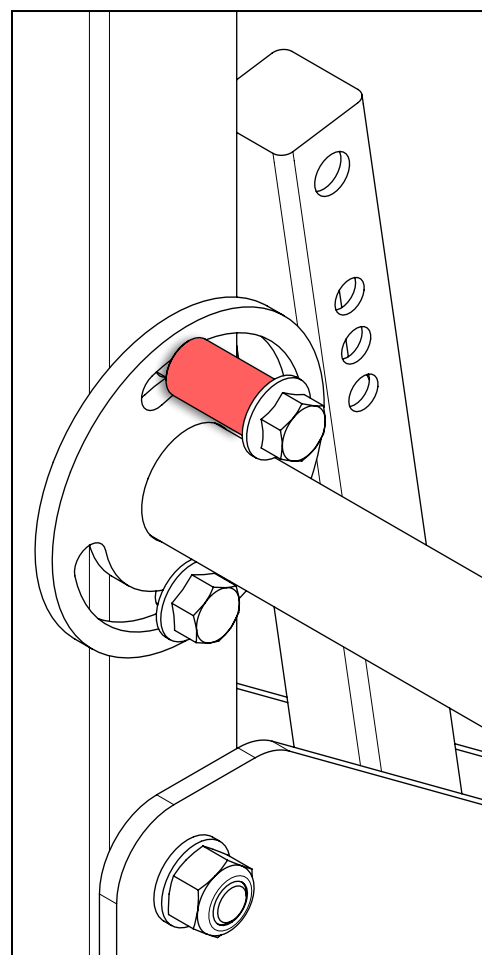
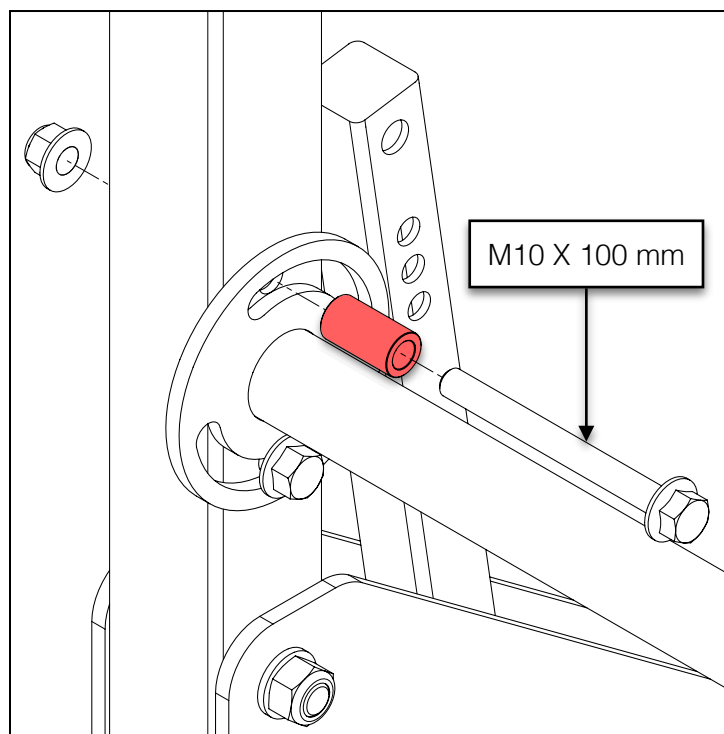
## 7. INDEXING HANDLE SPACER

Using the hardware listed below, assemble the indexing handle spacer to the rear carriage post.

1x	M10 X 100 mm Flanged Hex Bolt		1x	Spacer	
1x	M10 Flanged Lock Nut				

### HM126, HM130 & HM130MAX INSTALLATION ONLY

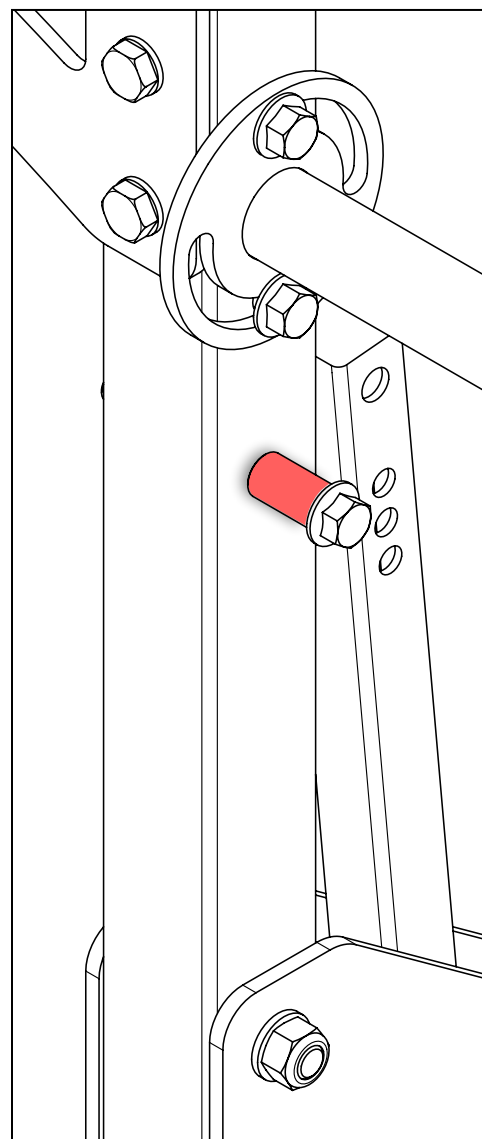
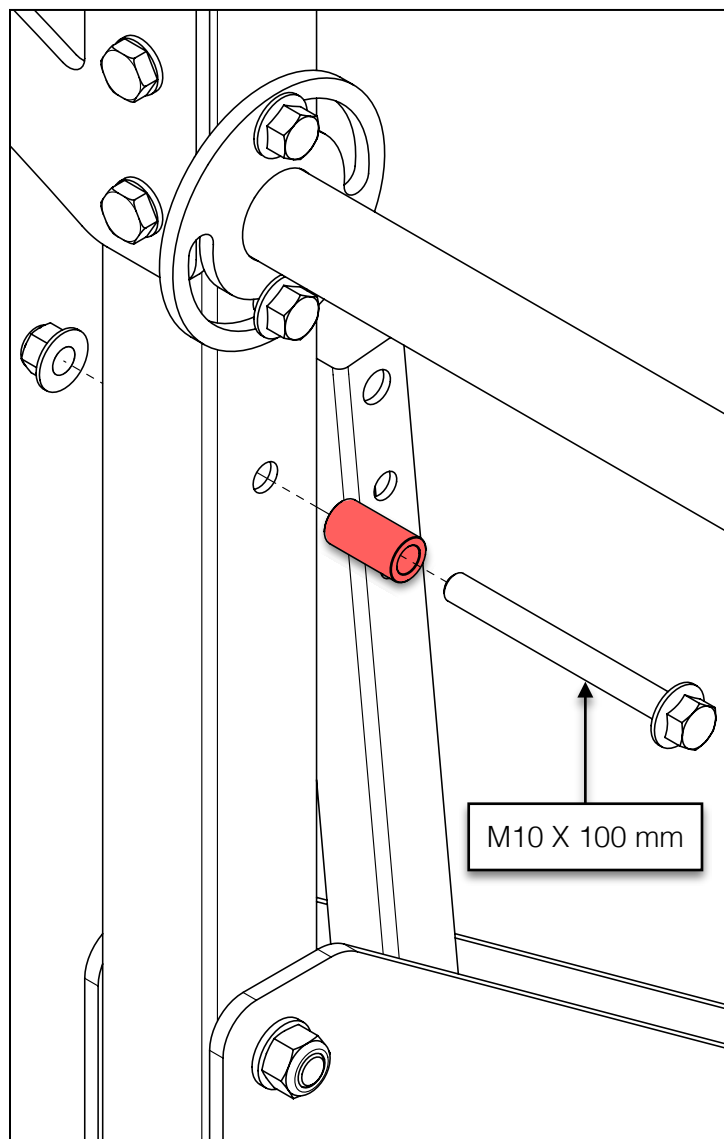
Assemble the spacer to the push handle using one (1) M10 X 100 mm flanged hex bolt and one (1) M10 flanged lock nut. Fully tighten the hardware.





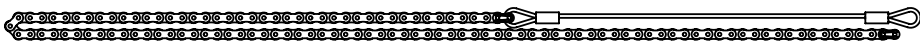
## HM122 INSTALLATION ONLY

Assemble the spacer to the rear carriage post beneath the push handle using one (1) M10 X 100 mm flanged hex bolt and one (1) M10 flanged lock nut. Fully tighten the hardware.

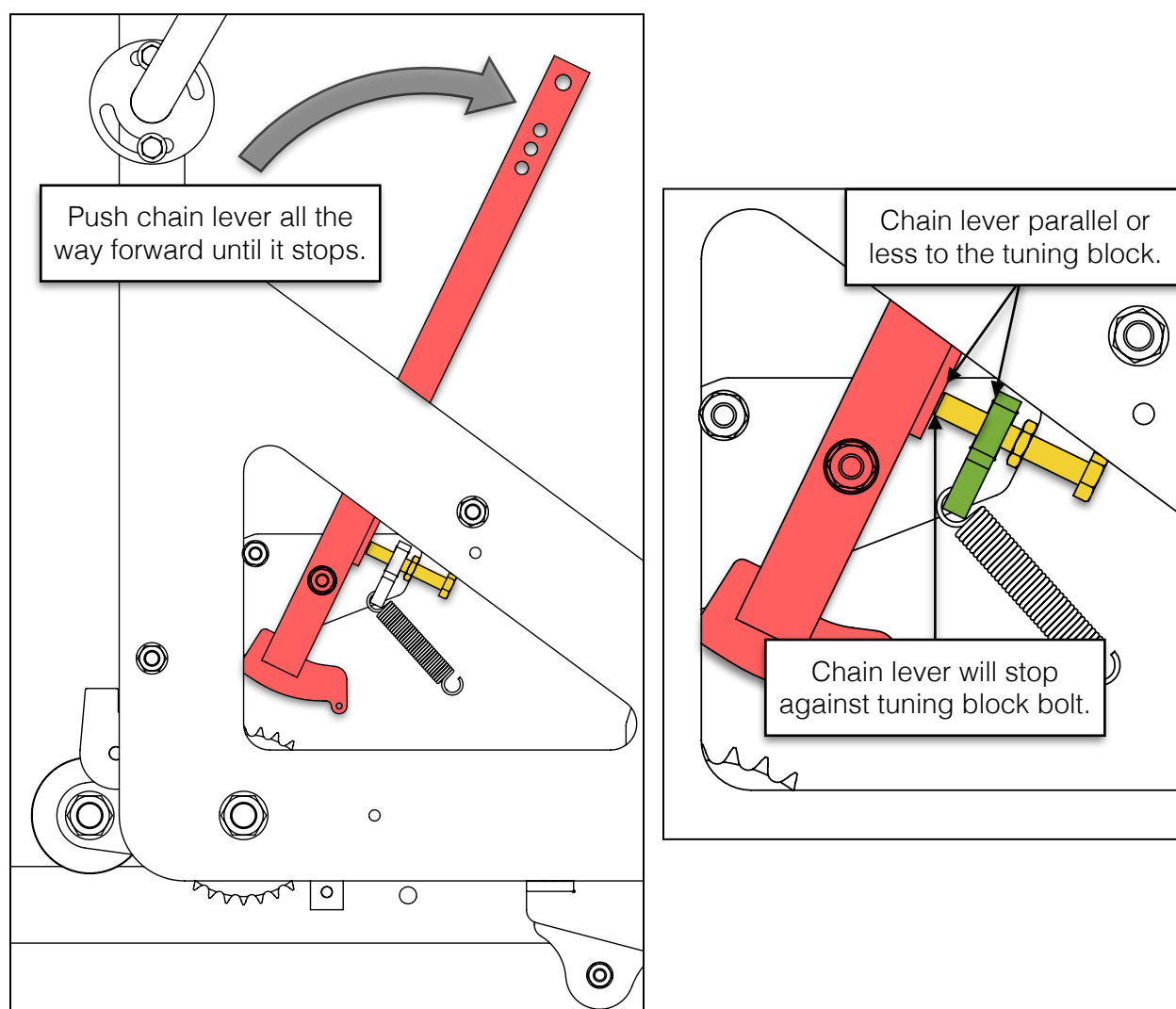


## 8. CABLE CHAIN

Route the cable chain and connect it to the lap siding linkage as outlined in the steps below.

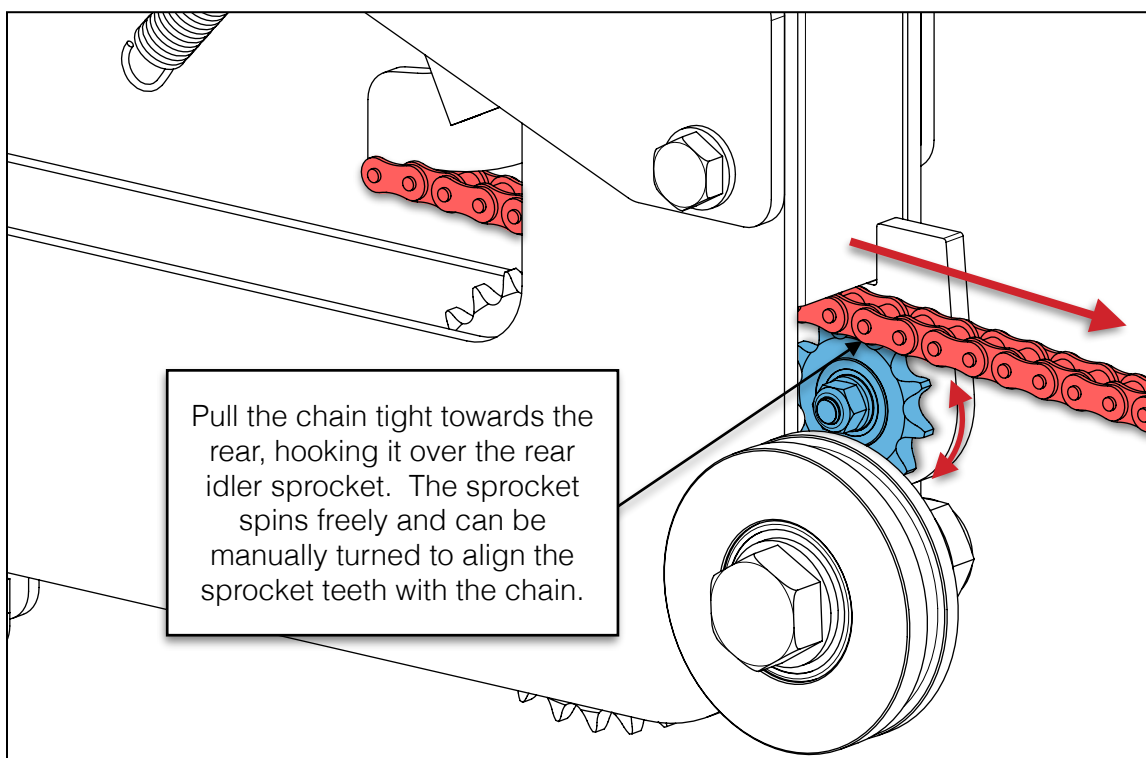
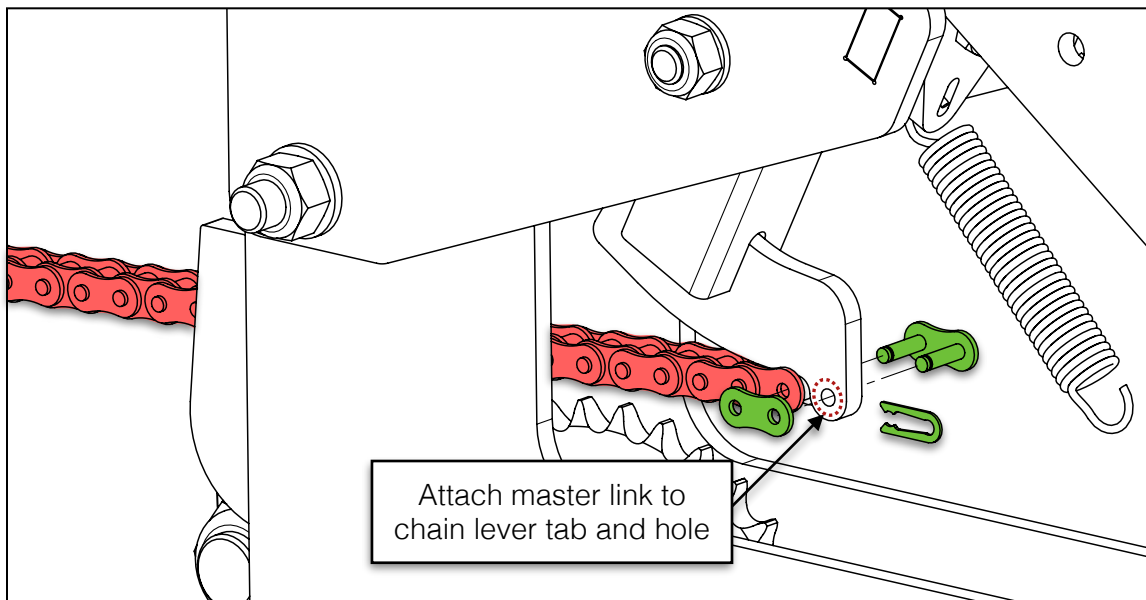
1x	Cable Chain	
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Push the chain lever all the way forward until it stops against the bolt in the tuning block. Ensure that the chain lever is parallel to the tuning block or less (towards the front of the sawmill).

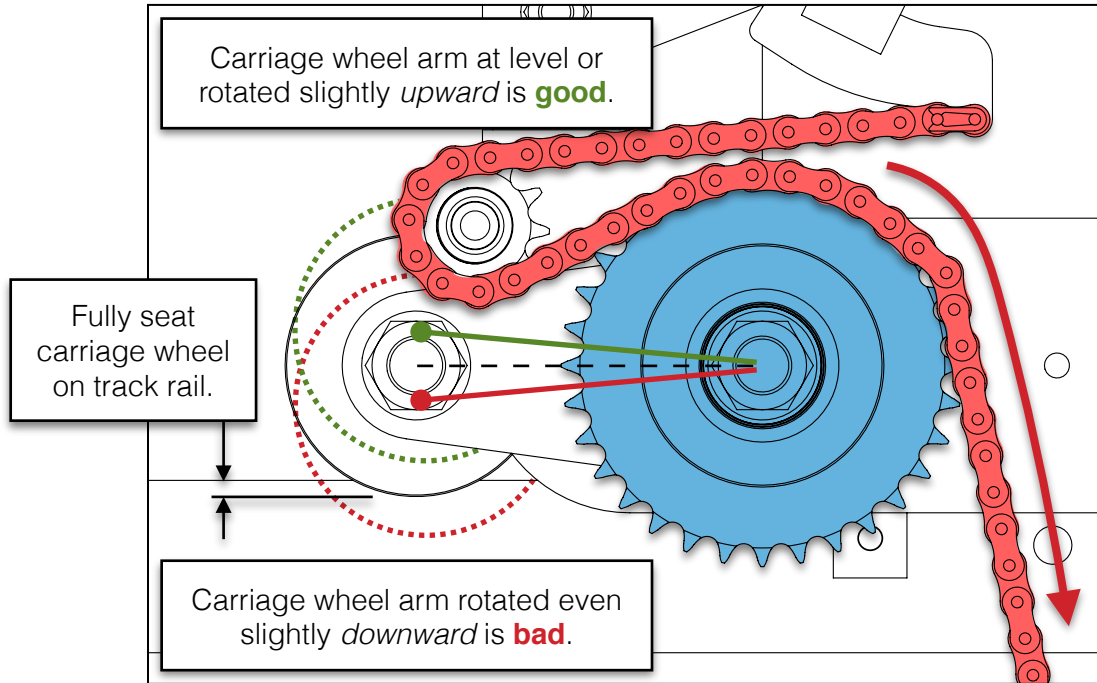


**\*\*Note that several components have been removed from the cable chain routing images throughout this step for clarity.\*\***

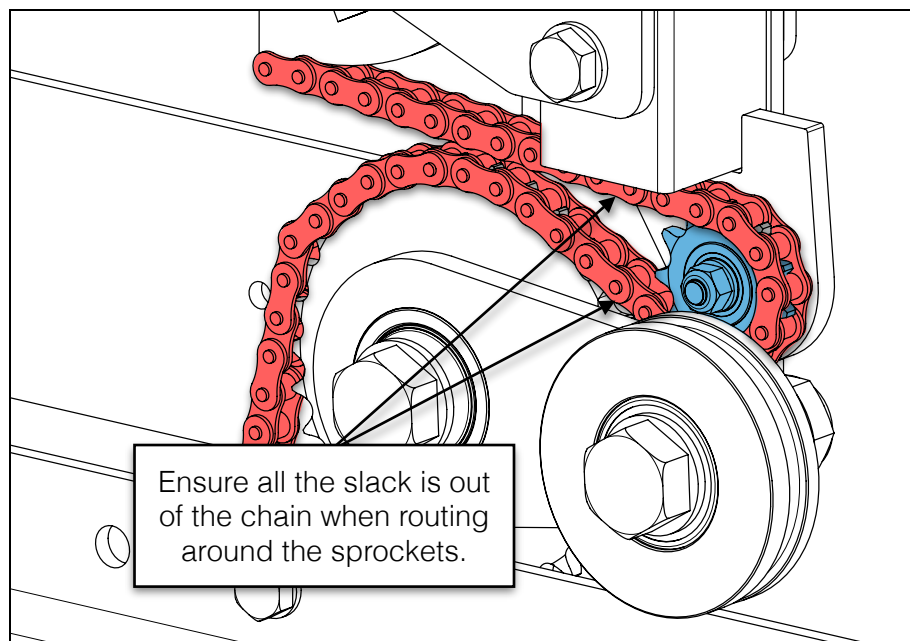
Remove the master link from the open end of the cable chain. Starting from the back of the machine, route the chain between the carriage legs and over top of the rear idler sprocket. Connect the chain to the bottom of the chain lever with the master link as shown below.



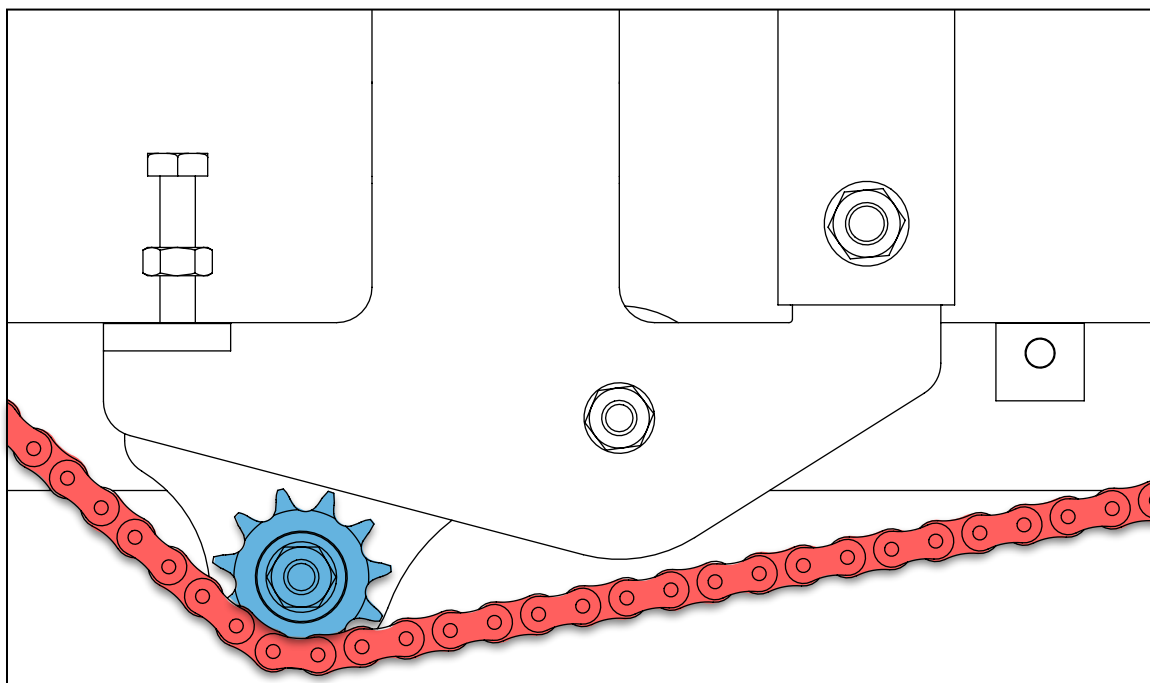
The groove in the carriage wheel must be seated down on the track rail as far as it will go. Route the cable chain around the rear sprocket and then over top of the rear carriage wheel arm, ensuring all the slack is out of the chain while doing so.



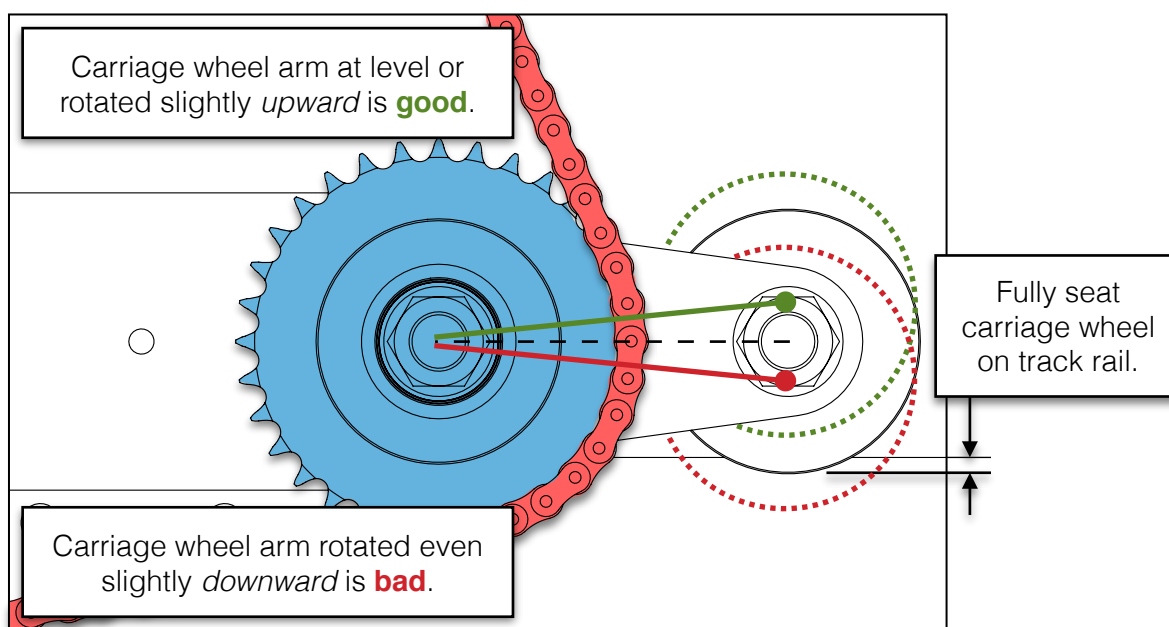
If the arm is rotated even slightly downward, remove the chain from the arm sprocket, rotate the arm until it is level or pointing just slightly upward, and then reset the chain.



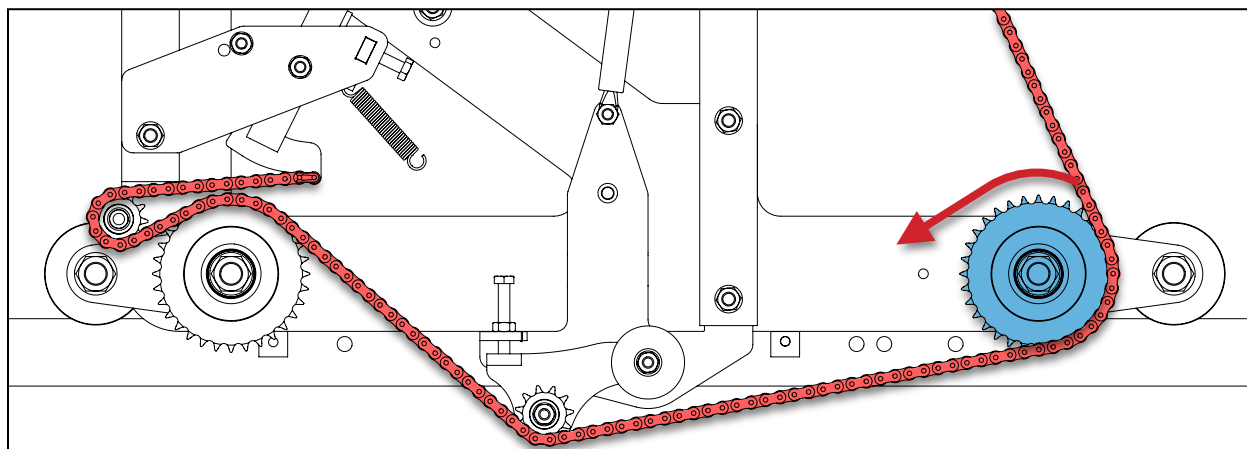
Continue to route the chain under the lower sprocket and then around the outside of the front carriage wheel arm, ensuring as much slack is out of the chain as possible.



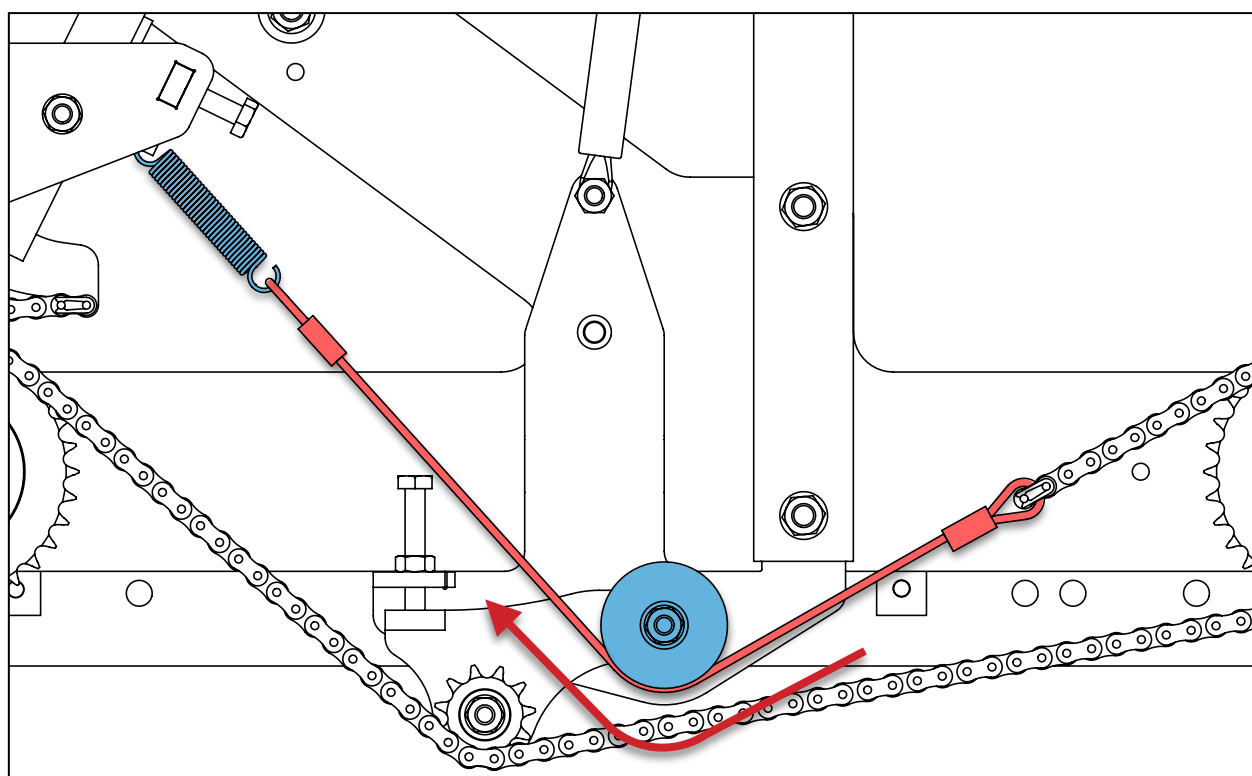
Like the rear carriage wheel, the groove in the front carriage wheel must also be seated down on the track rail as far as it will go. If the arm is rotated even slightly downward, remove the chain from the arm sprocket, rotate the arm until it is level or pointing just slightly upward, and then reset the chain.



Route the remainder of the chain portion around the front side of the carriage wheel arm sprocket.



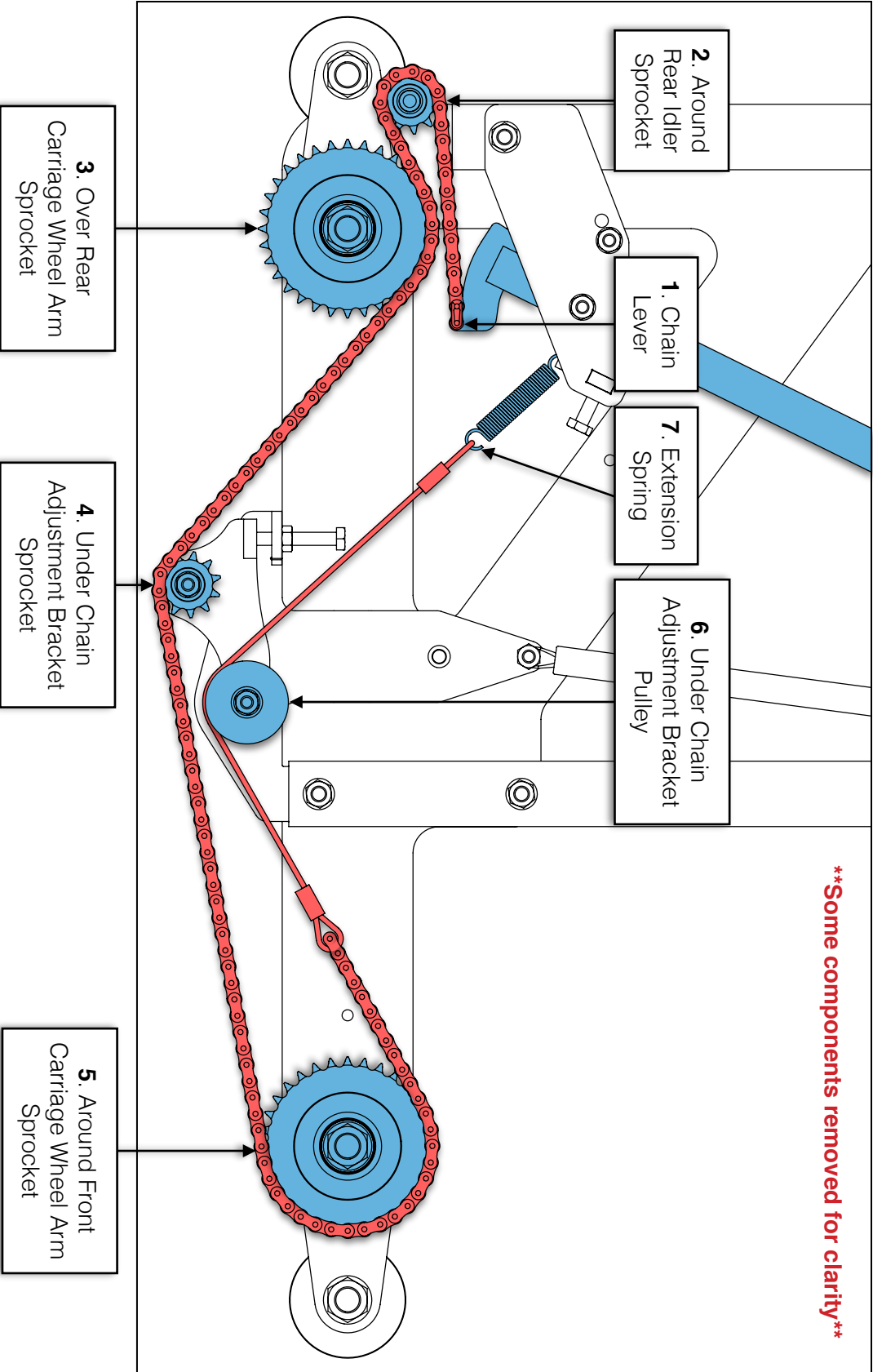
Now route the cable portion of the cable chain under the chain adjustment bracket pulley and hook the open loop end on the extension spring.



As long as the extension spring is under even a small amount of tension, the cable chain routing is acceptable.



# Cable Chain Routing Overview

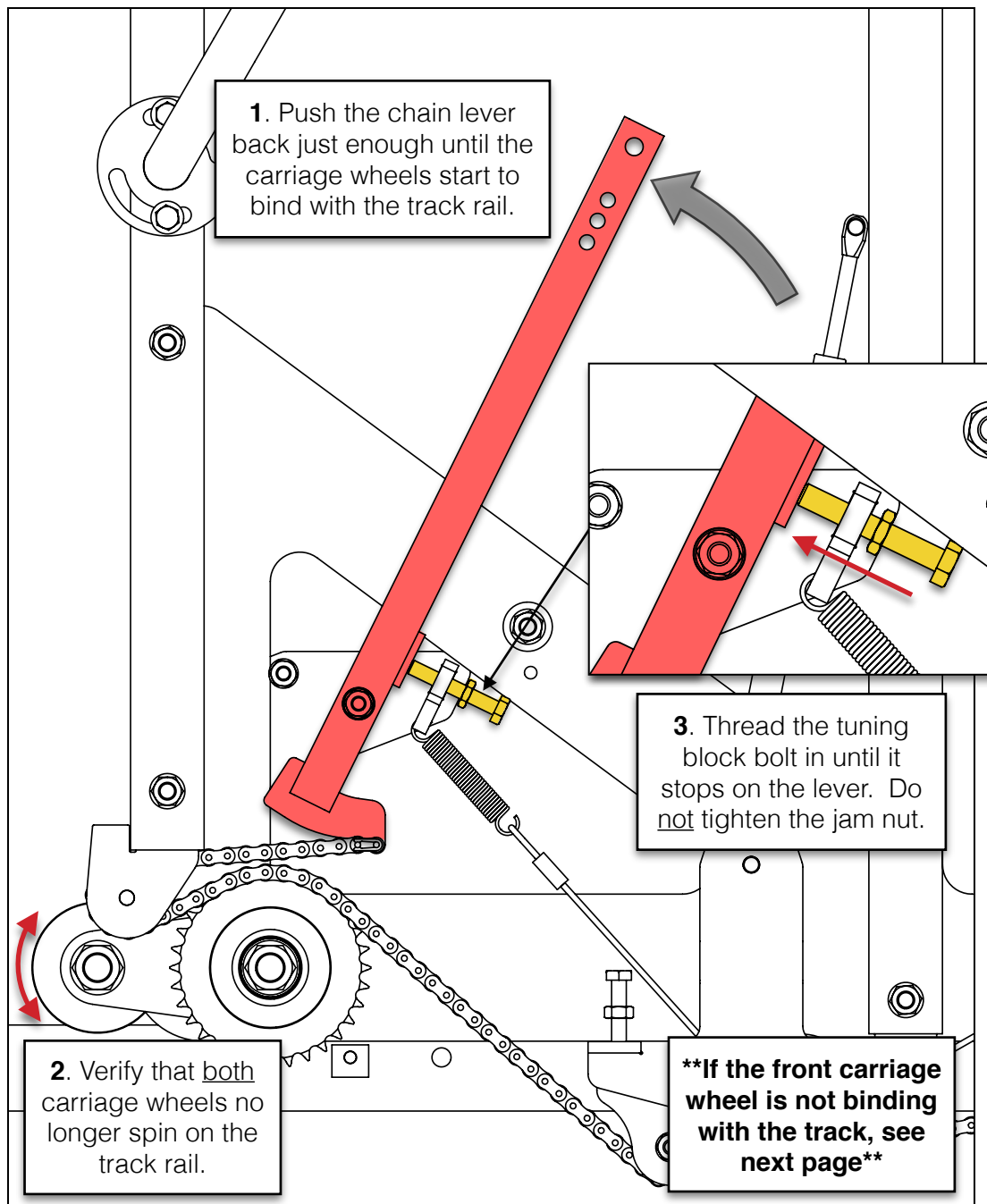


**\*\*Some components removed for clarity\*\***

## CARRIAGE WHEEL ADJUSTMENT

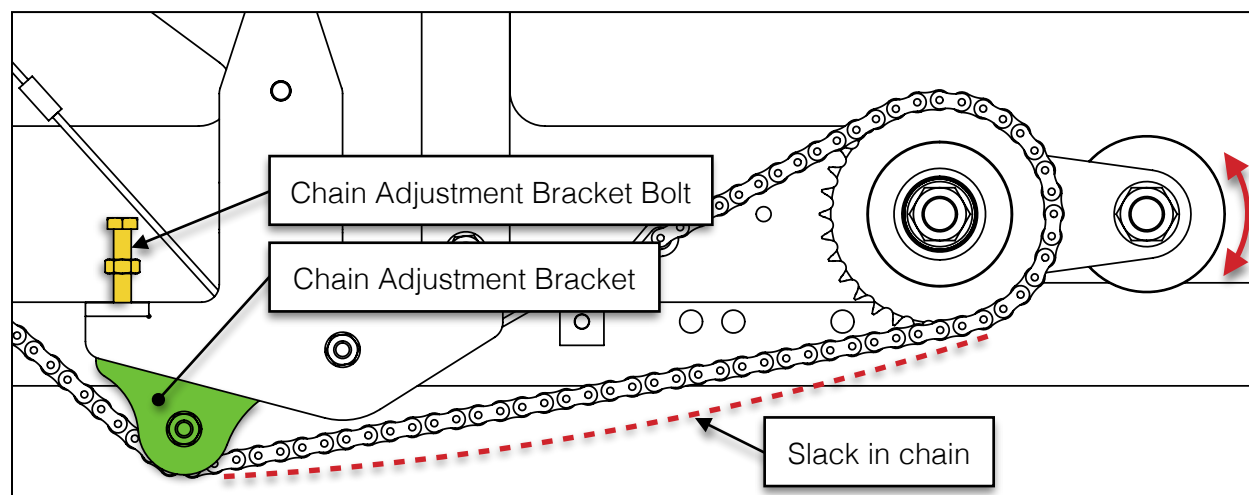
Push the chain lever back with just enough force so that the carriage wheels bind with the track rail. The carriage wheels should not be able to spin.

Thread the tuning block bolt in until it stops at the chain lever. Do not tighten the jam nut as further adjustment to this bolt will be necessary.

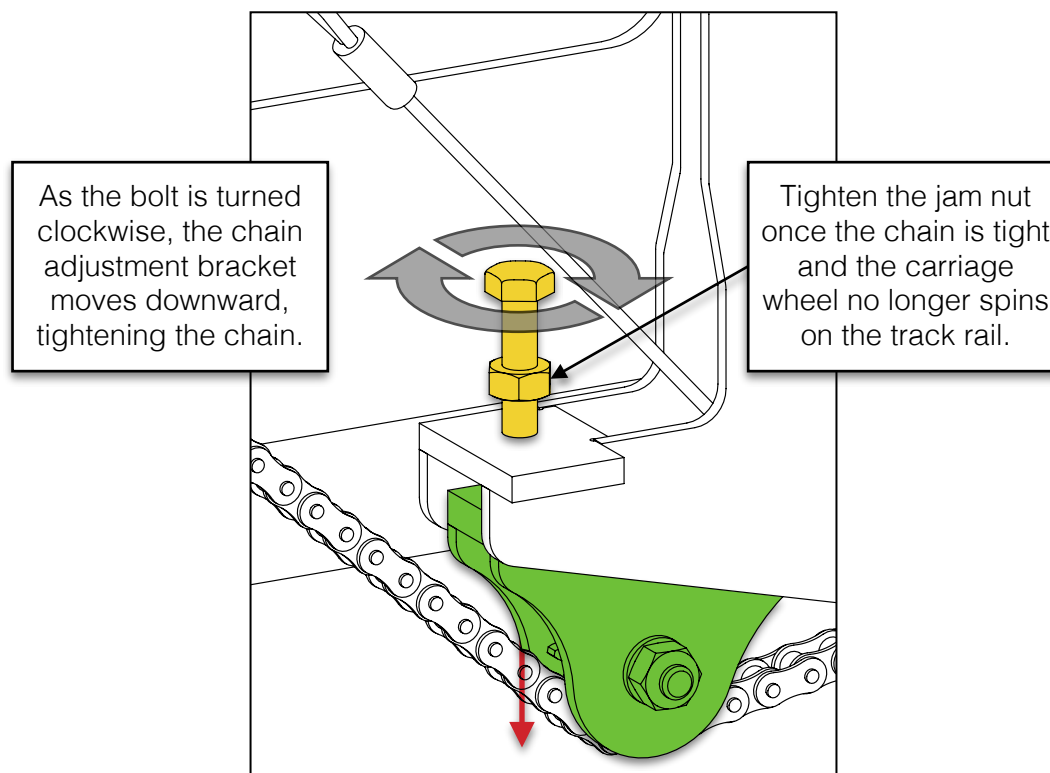




If the front carriage wheel is not binding with the track rail, there is likely slack in the chain between the chain adjustment bracket sprocket and the front carriage wheel arm sprocket.

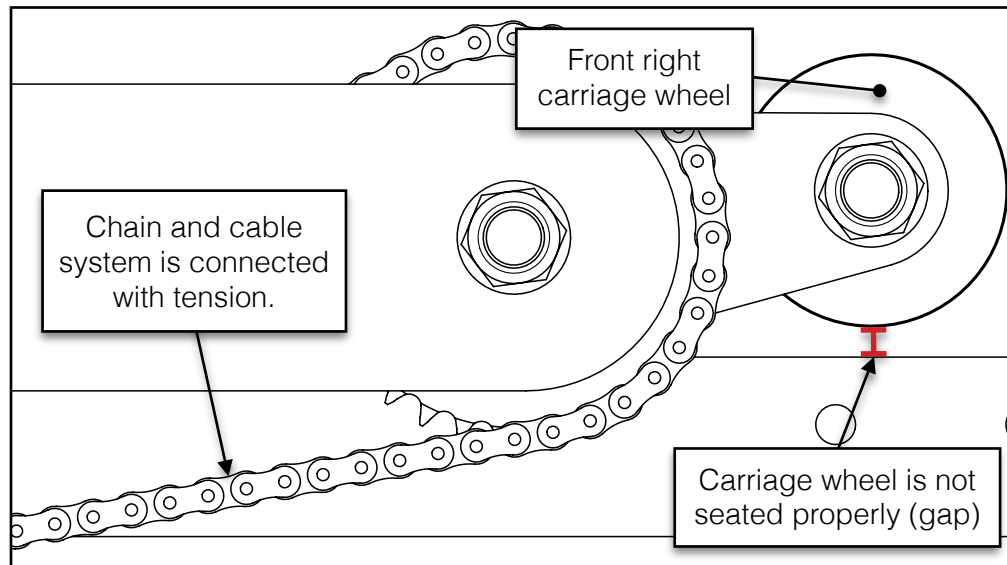


Tighten the chain adjustment bracket bolt by turning it clockwise until the slack is taken up and the carriage wheel binds with the track rail.

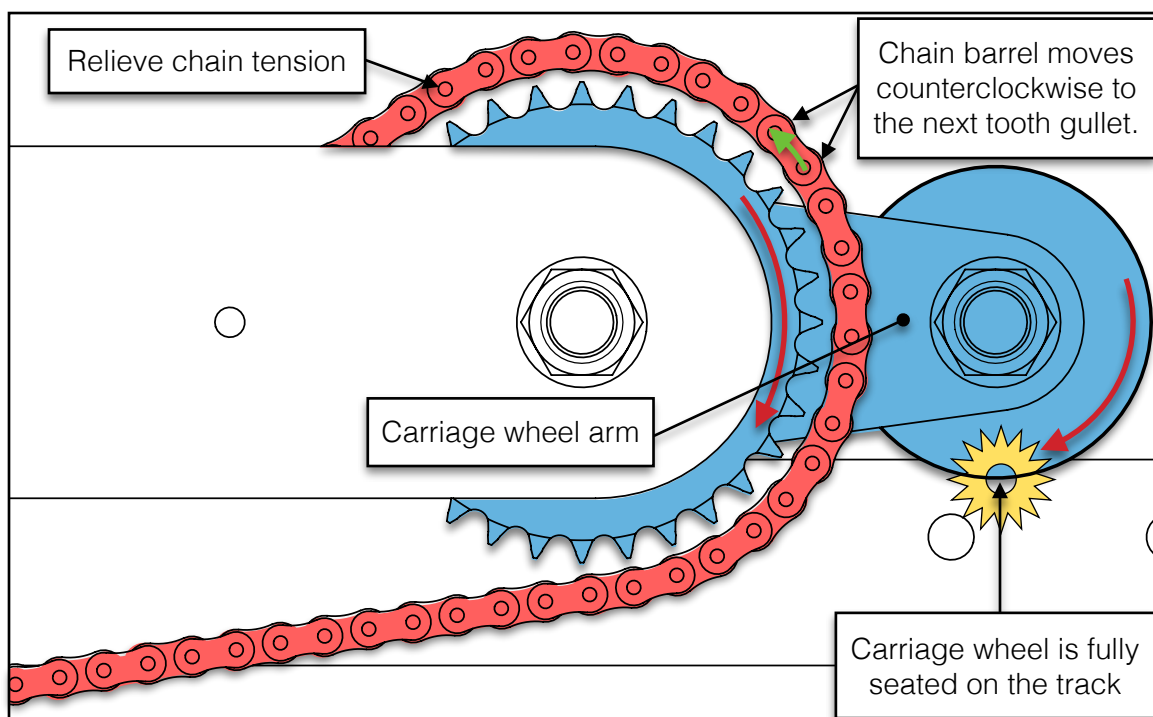


## CARRIAGE WHEEL ALIGNMENT

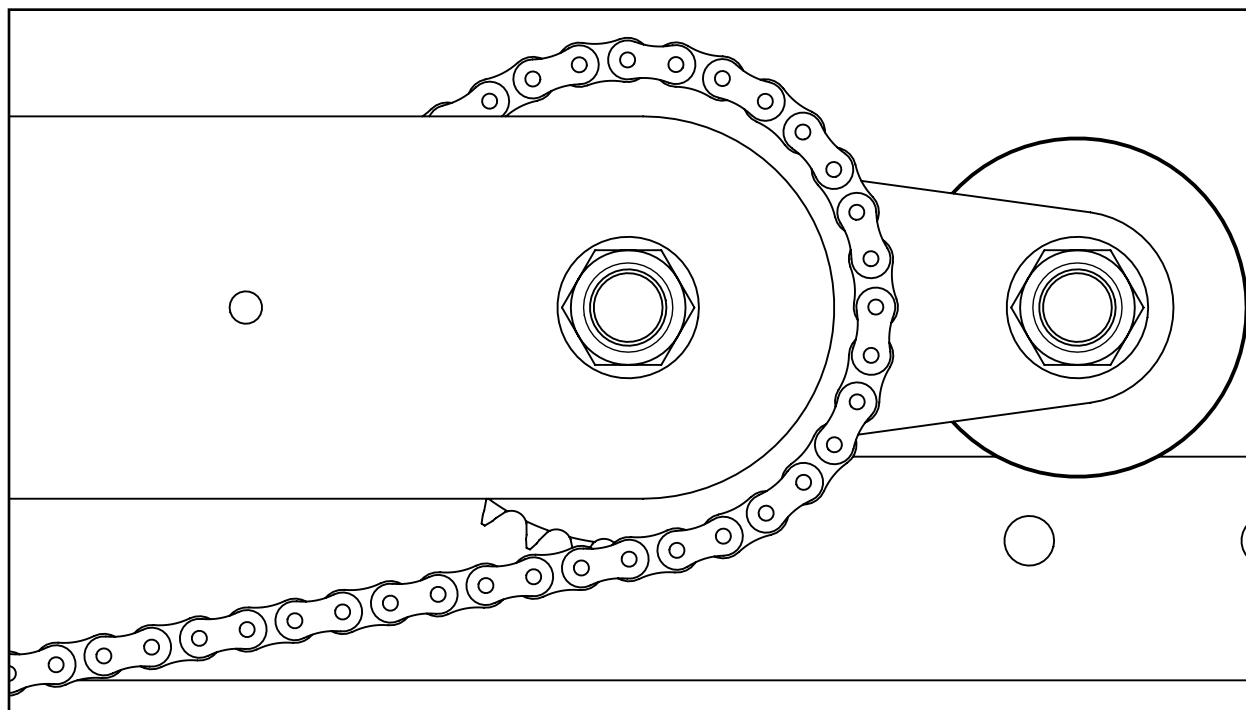
If either the front-right carriage wheel and/or the rear-right carriage wheel are still not seated properly on the track rail after ***CARRIAGE WHEEL ADJUSTMENT*** (page 34), then the chain needs to skip a link on the front-right carriage wheel arm.



Loosen and undo any adjustment made to the chain adjustment bracket in the previous step. This step requires the assistance of one or more people: lift the *right side* of the sawhead approximately 2 inches up off the setup blocks. Skip one chain link on the front-right carriage wheel arm, moving the carriage wheel arm downward.



Reseat the chain on the carriage wheel arm sprocket.

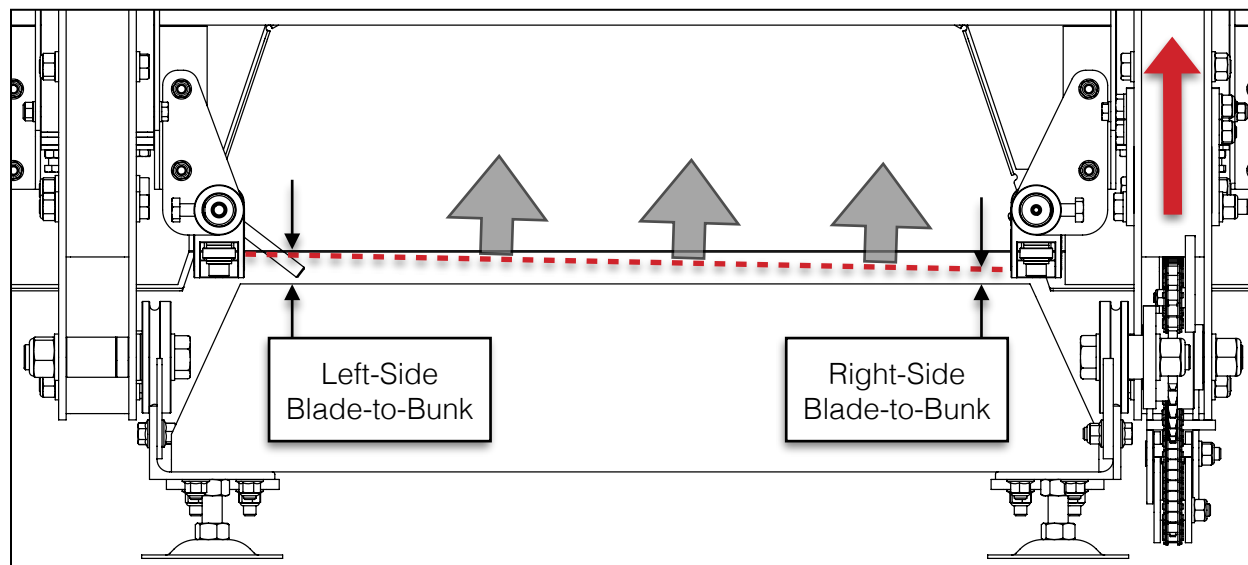


If the **CARRIAGE WHEEL ALIGNMENT** section on page 36 was necessary, return to the **CARRIAGE WHEEL ADJUSTMENT** section on page 34 before proceeding with install.

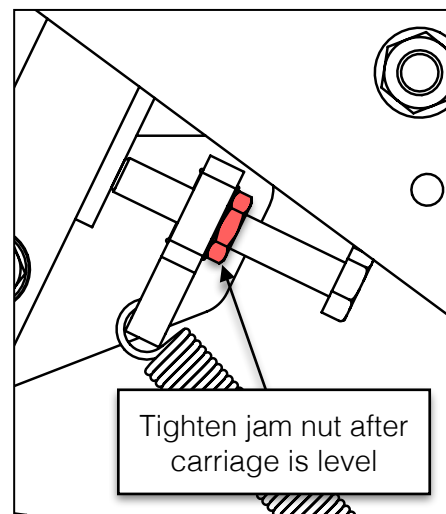
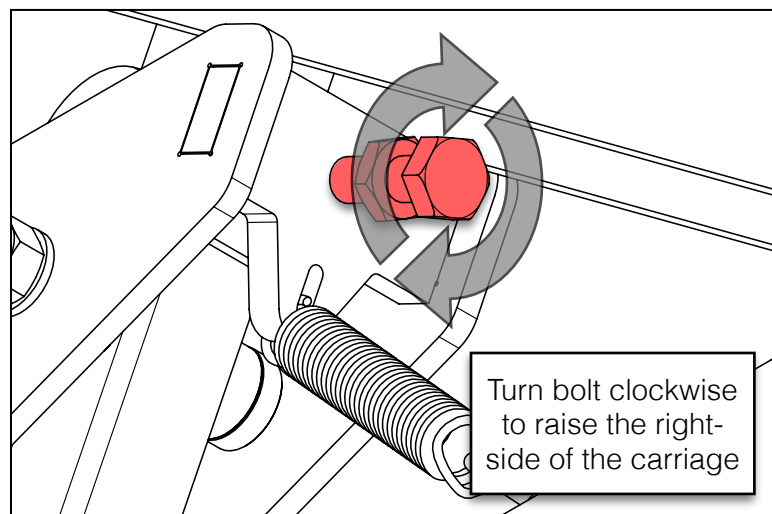
## LEVELLING THE CARRIAGE

Once the carriage wheels are seated firmly on the track rail and the chain is tight with no slack, the sawhead can be levelled.

Roll the sawhead forward until the blade is over one of the track bunks. Measure the distance from the blade-to-bunk on the left-side and then measure the distance on the right-side. The difference between the two measurements is how far up the right-side of the sawmill needs to be raised.

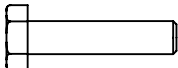




Turn the tuning block bolt clockwise to raise the sawhead until it is level. Once level, tighten the jam nut.

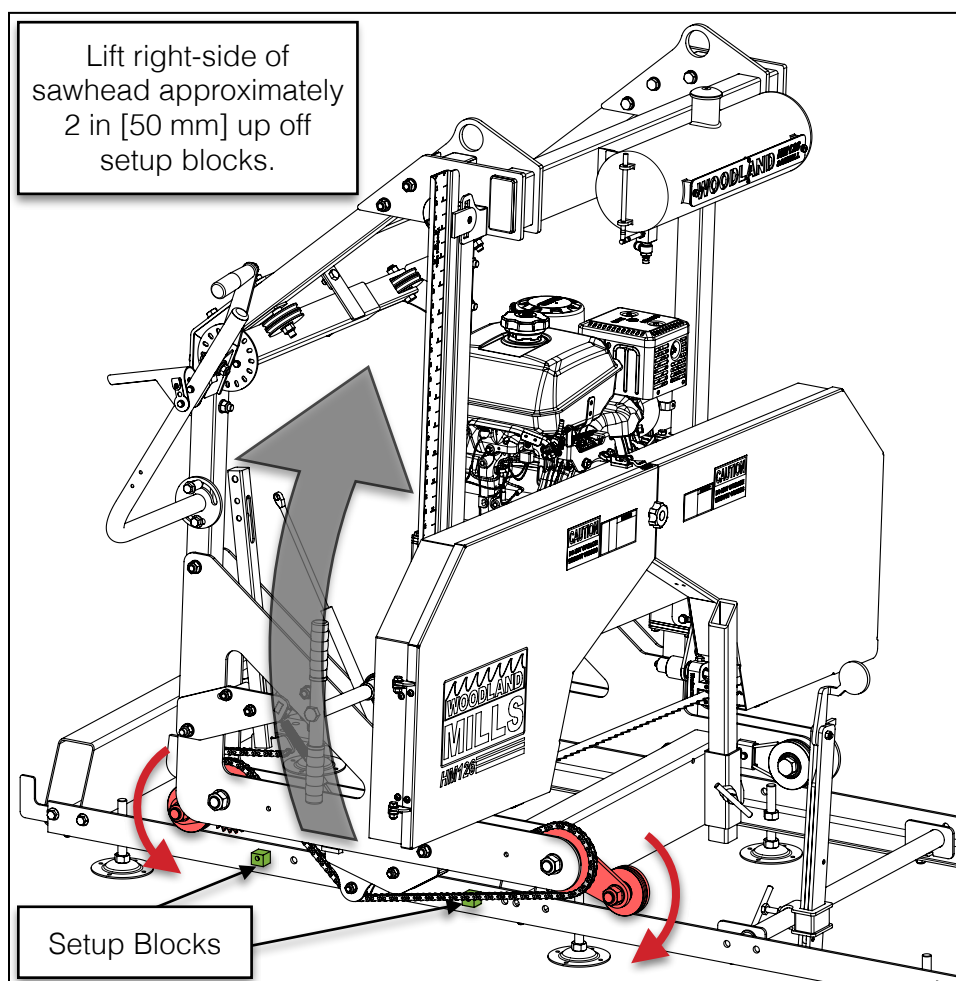


## 9. GAS SPRING

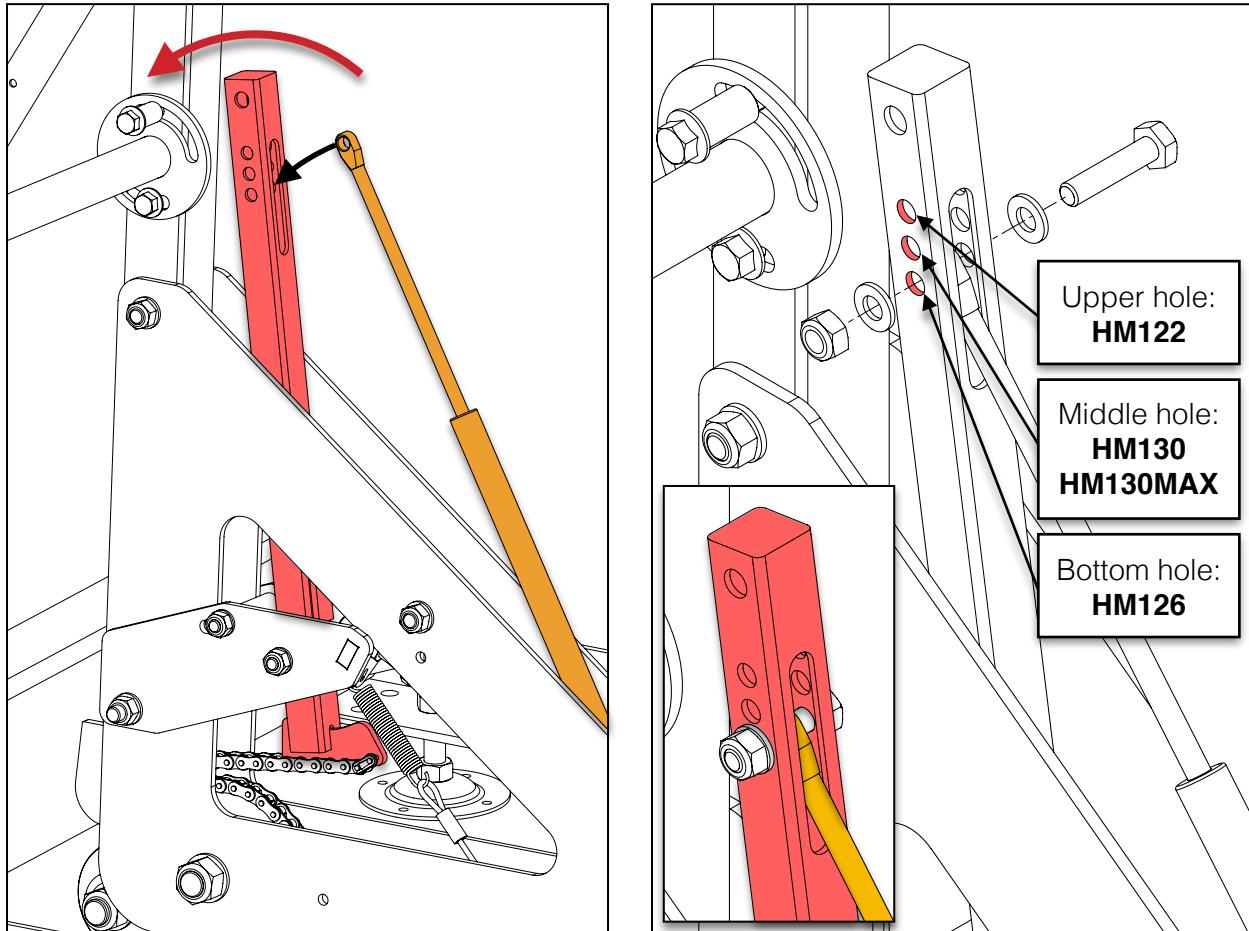
Using the hardware listed below, connect the gas spring to the chain lever.

1x	M10 X 45 mm Hex Bolt		2x	M10 Flat Washer	
1x	M10 Lock Nut				

This step requires the assistance of one or more people. Lift the right side of the sawhead approximately 2 in [50 mm] off the setup blocks. This will cause both of the carriage wheel arms to rotate downward.



Push the lever all the way rearward and rotate the gas spring until the eyelet fits through the slot in the front of the lever.



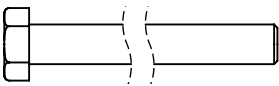
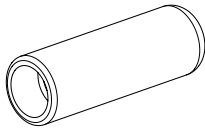
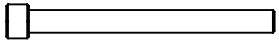
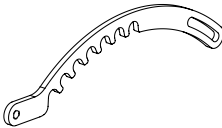

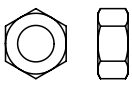

**\*\* Assemble the gas spring to the chain lever using the upper lever hole for HM122, the middle hole for HM130 & HM130MAX, and the bottom lever hole for HM126. \*\***

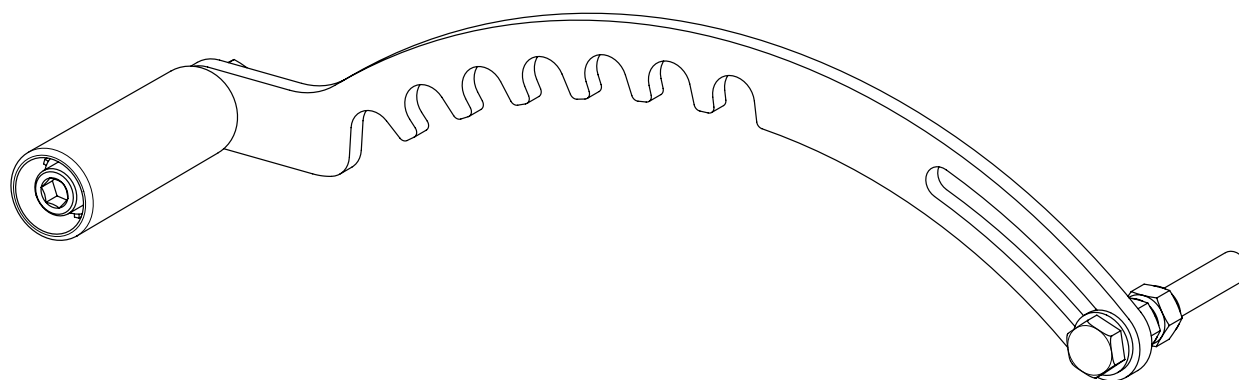
With the chain lever angled back, assemble the gas spring to the chain lever using one (1) M10 X 45 mm hex bolt, two (2) M10 flat washers, and one (1) M10 lock nut.

Once the nut is loosely threaded on the bolt, lower the sawhead carriage back down and the gas spring will compress under the weight of the sawhead. Fully tighten the hardware.

## 10. INDEXING HANDLE

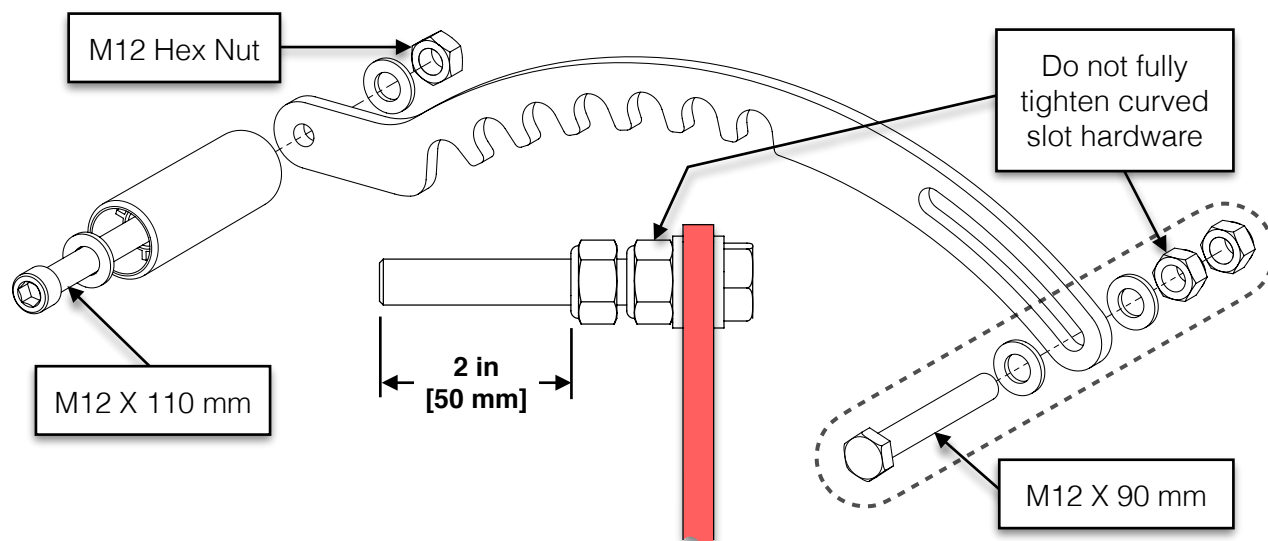
Using the hardware listed below, assemble the indexing handle and then connect it to the chain lever.

1x	M12 X 90 mm Hex Bolt		1x	Handle Grip	
1x	M12 X 110 mm Socket Head Cap Screw		1x	Indexing Handle	
3x	M12 Lock Nut				
1x	M12 Hex Nut				
4x	M12 Flat Washer				

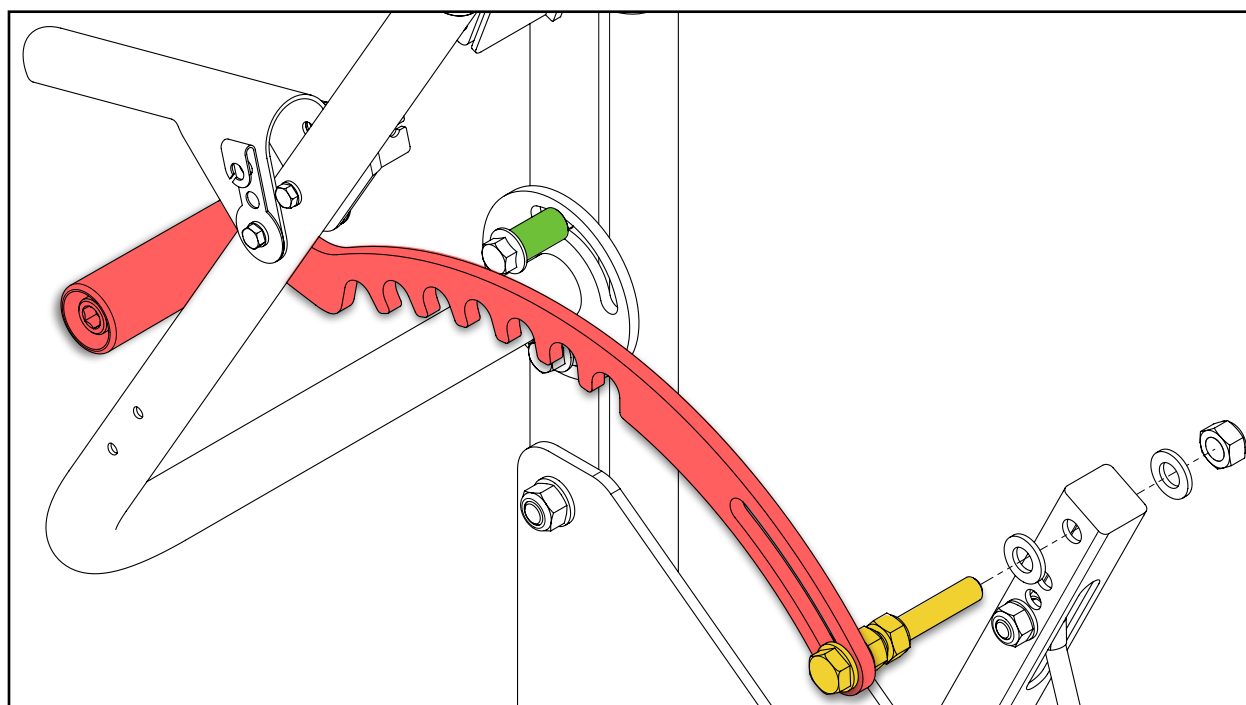


Assemble the plastic revolving handle to the end of the indexing handle using one (1) M12 lock nut. Then assemble the M12 X 90 mm hex bolt, two (2) flat washers, and double M12 lock nut stack to the curved slot. Do not fully tighten the curved slot hardware until instructed to do so.

Leave approximately 2 in [50 mm] from the end of the bolt to the first lock nut at the curved slot.

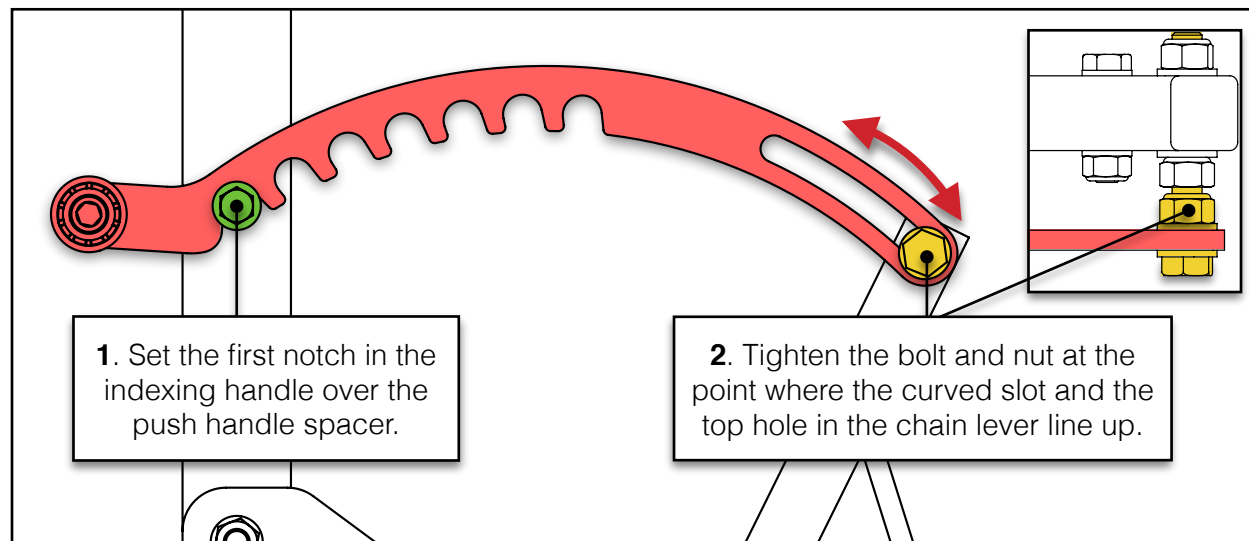


Assemble the indexing handle sub-assembly to the top hole of the chain lever using two (2) M12 flat washers and one (1) M12 lock nut. Do not fully tighten this hardware.

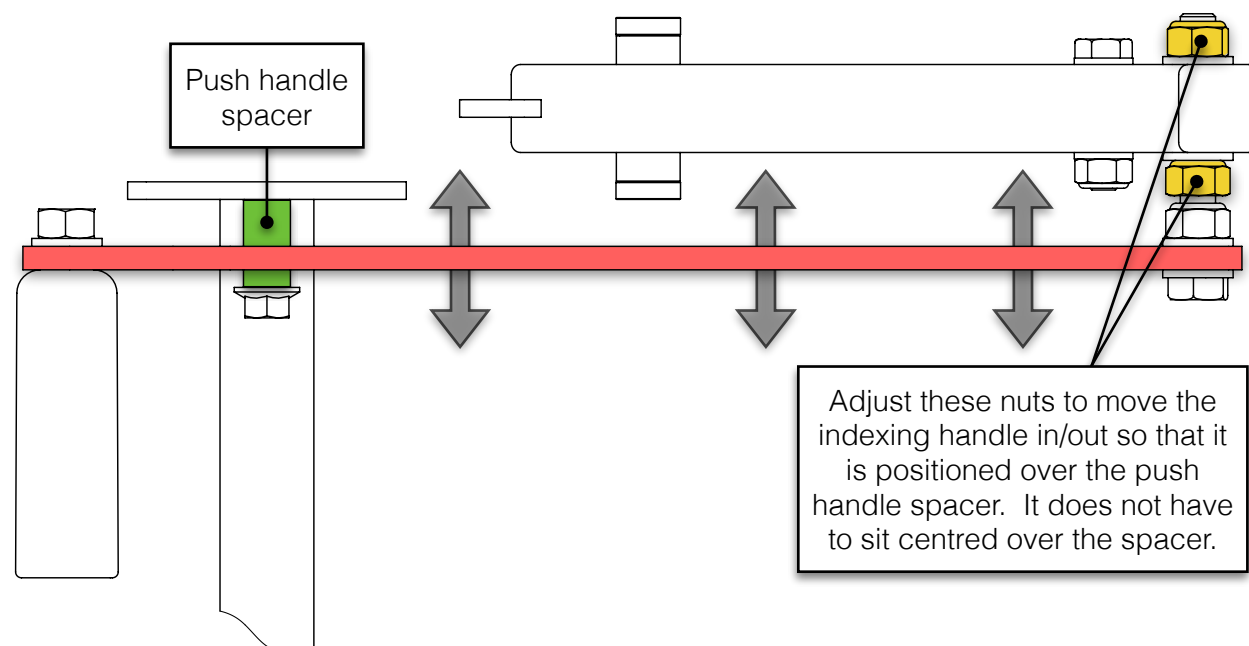




Set the first notch in the indexing handle over the push handle spacer. Tighten the curved slot bolt and nut once seated. Do not move the chain lever when tightening the hardware.

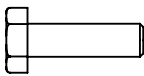
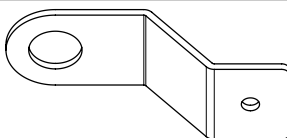

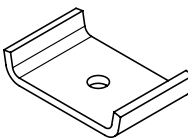

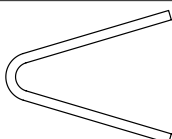


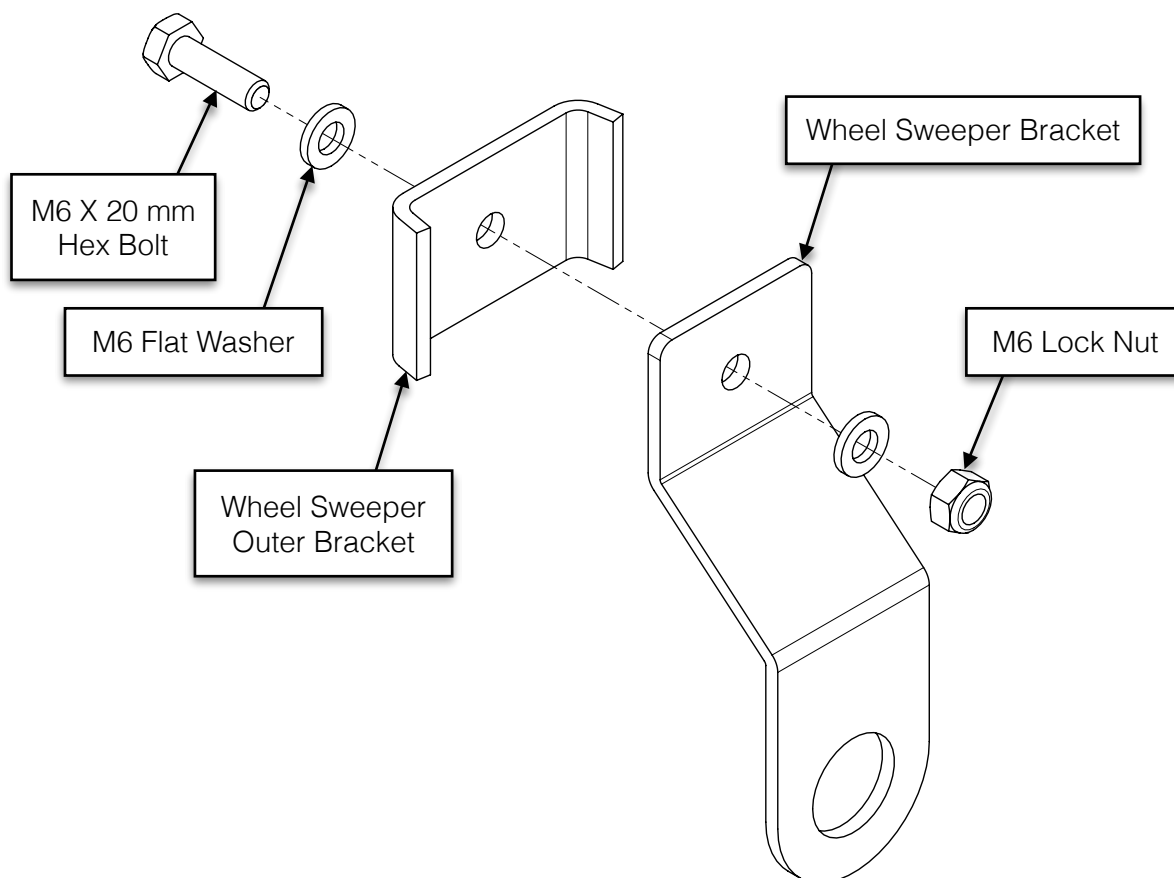
Adjust the middle and end nuts on the indexing handle to better position the handle over the push handle spacer. Fully tighten the hardware once positioned correctly.



## 11. CARRIAGE WHEEL SWEEPERS

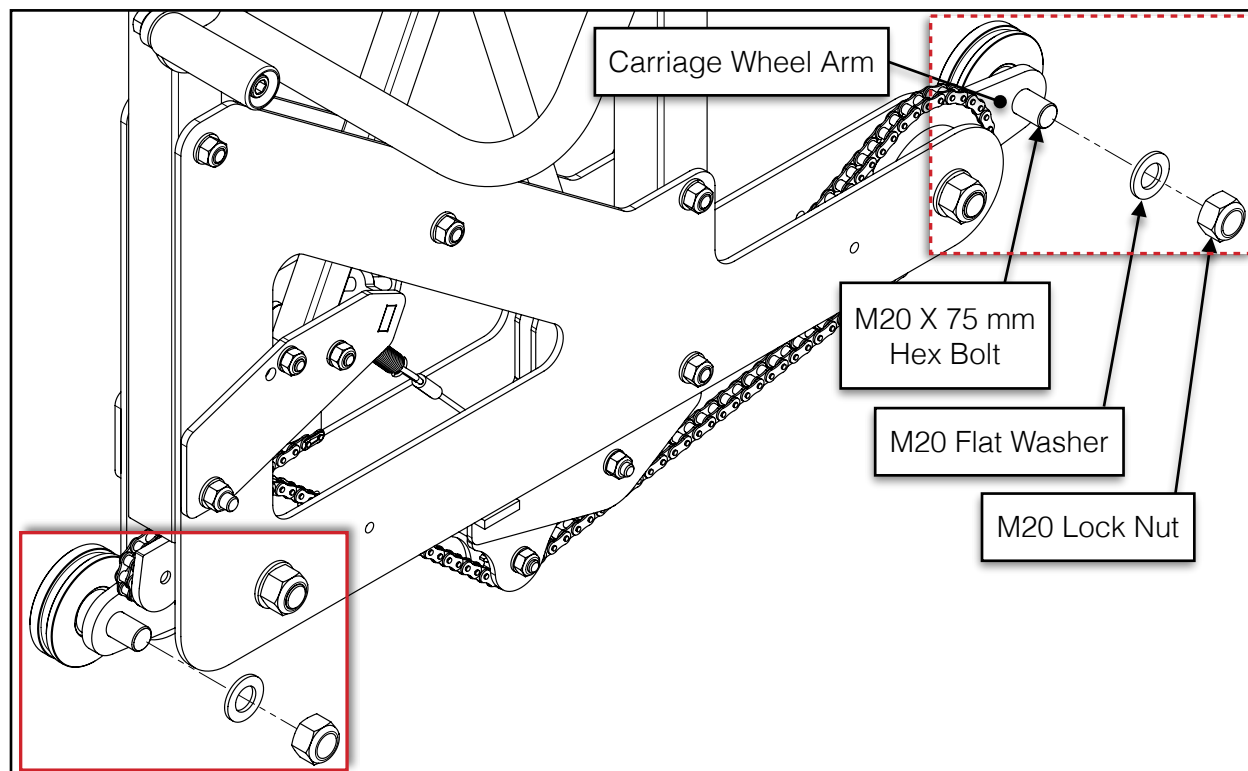
Pre-assemble each sweeper bracket prior to installing them to the lap siding attachment. Do not fully tighten the hardware. Note that the wheel sweeper outer bracket is reused from the section, **SAWMILL DISASSEMBLY**.

2x	M6 X 20 mm Hex Bolt		2x	Wheel Sweeper Bracket	
2x	M6 Lock Nut		2x	Wheel Sweeper Outer Bracket	
4x	M6 Flat Washer		2x	Wheel Sweeper Cable	

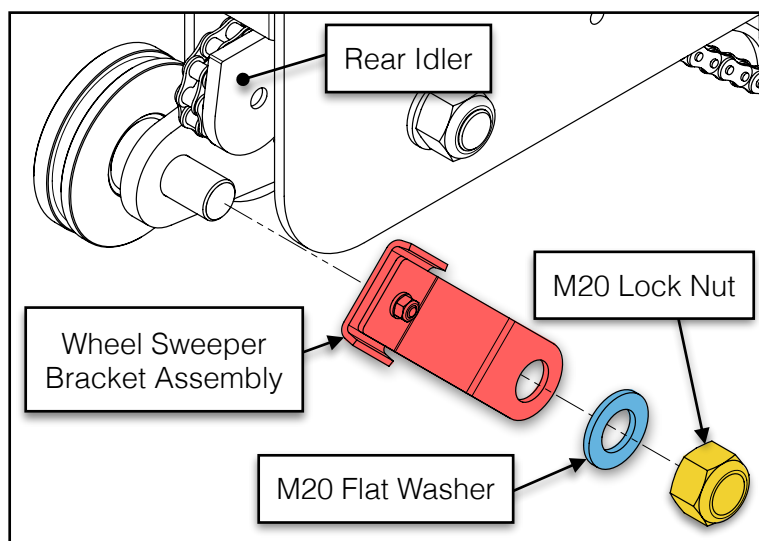


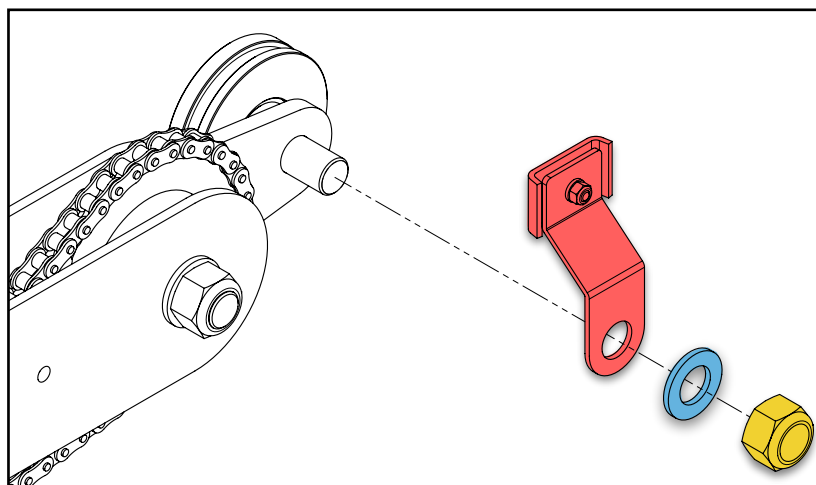
Remove one M20 lock nut and M20 flat washer securing the carriage wheel to the carriage wheel arm.

**\*\*Note: Do not remove both M20 lock nuts at the same time. Install one wheel sweeper bracket assembly to completion before installing the other.\*\***

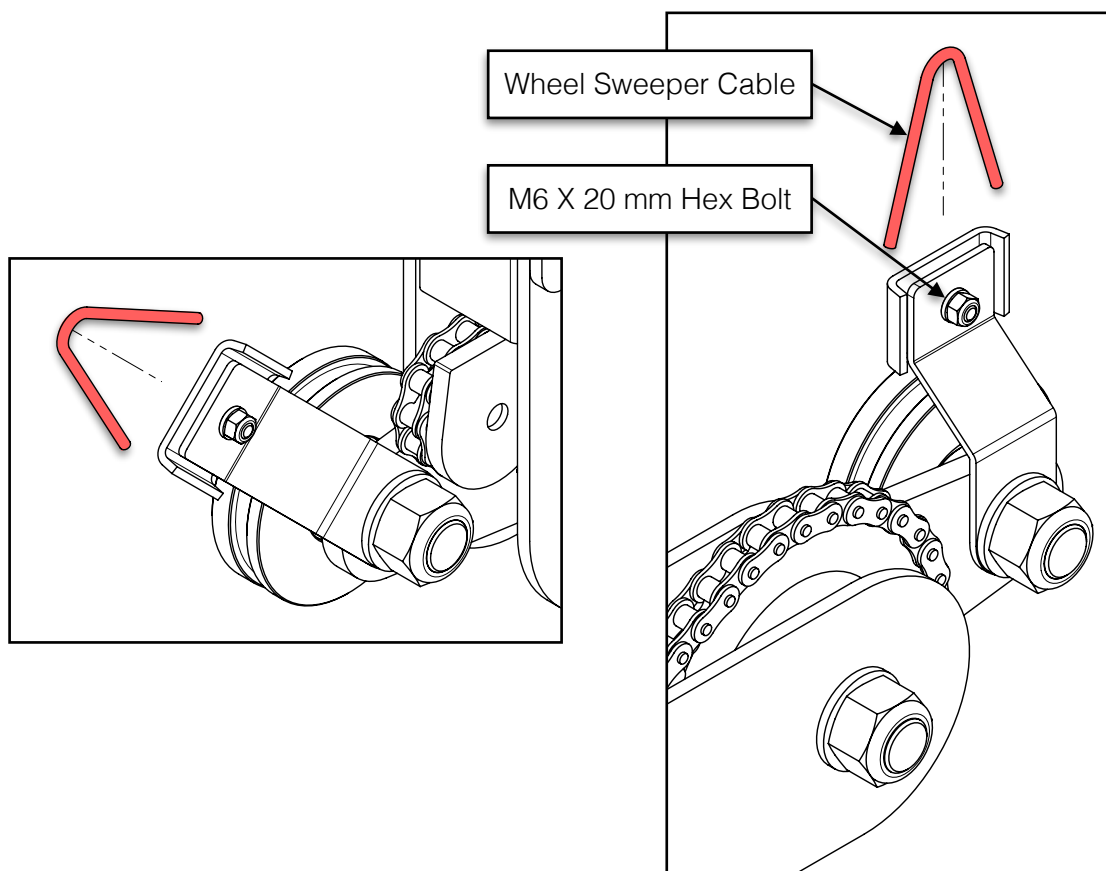


Install the pre-assembled wheel sweeper bracket on the M20 X 75 mm hex bolt using the M20 flat washer and M20 lock nut. Ensure that the rear bracket is properly oriented to avoid the rear idler. Fully tighten the hardware.

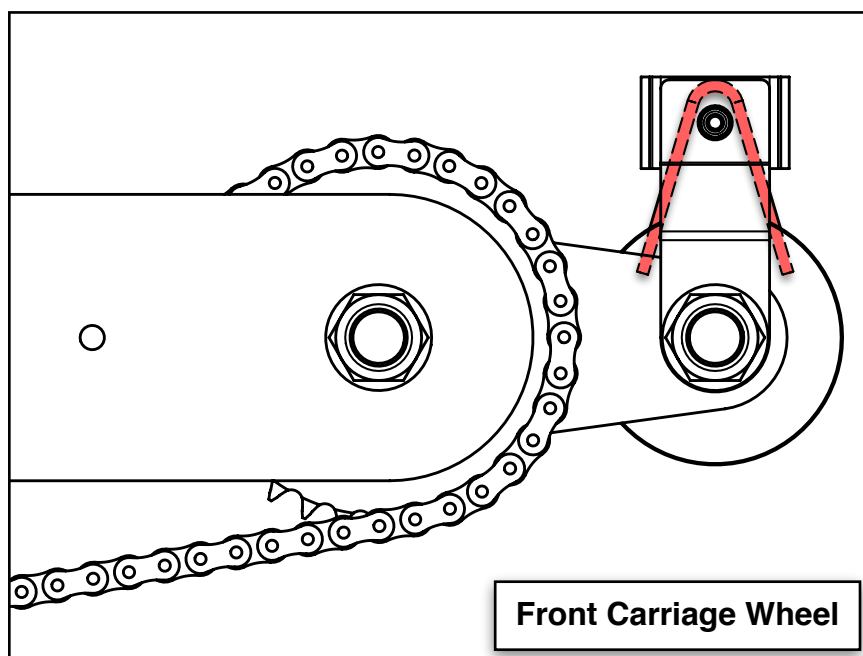
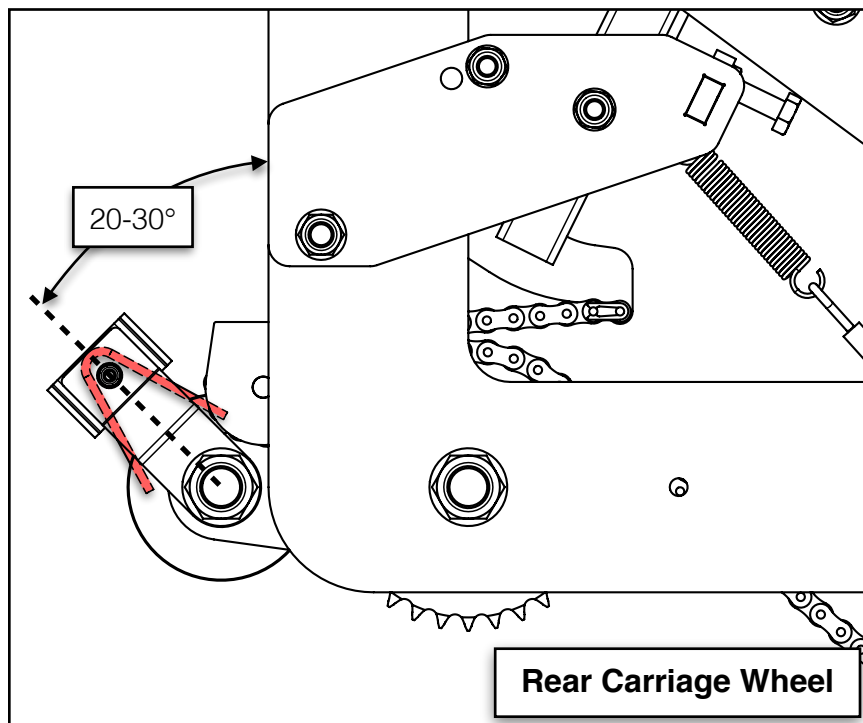




Once the wheel sweeper brackets are both properly positioned, install the wheel sweeper cables. Fully tighten the M6 X 20 mm hex bolts that were installed during the wheel sweeper bracket pre-assembly.



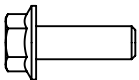
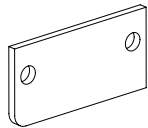

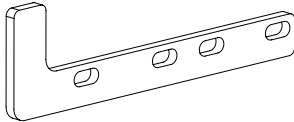
On the rear carriage wheel, turn the wheel sweeper assembly so that it is angled approximately 20-30° from the rear carriage post. On the front carriage wheel, position the wheel sweeper assembly vertical (90°) to the track.



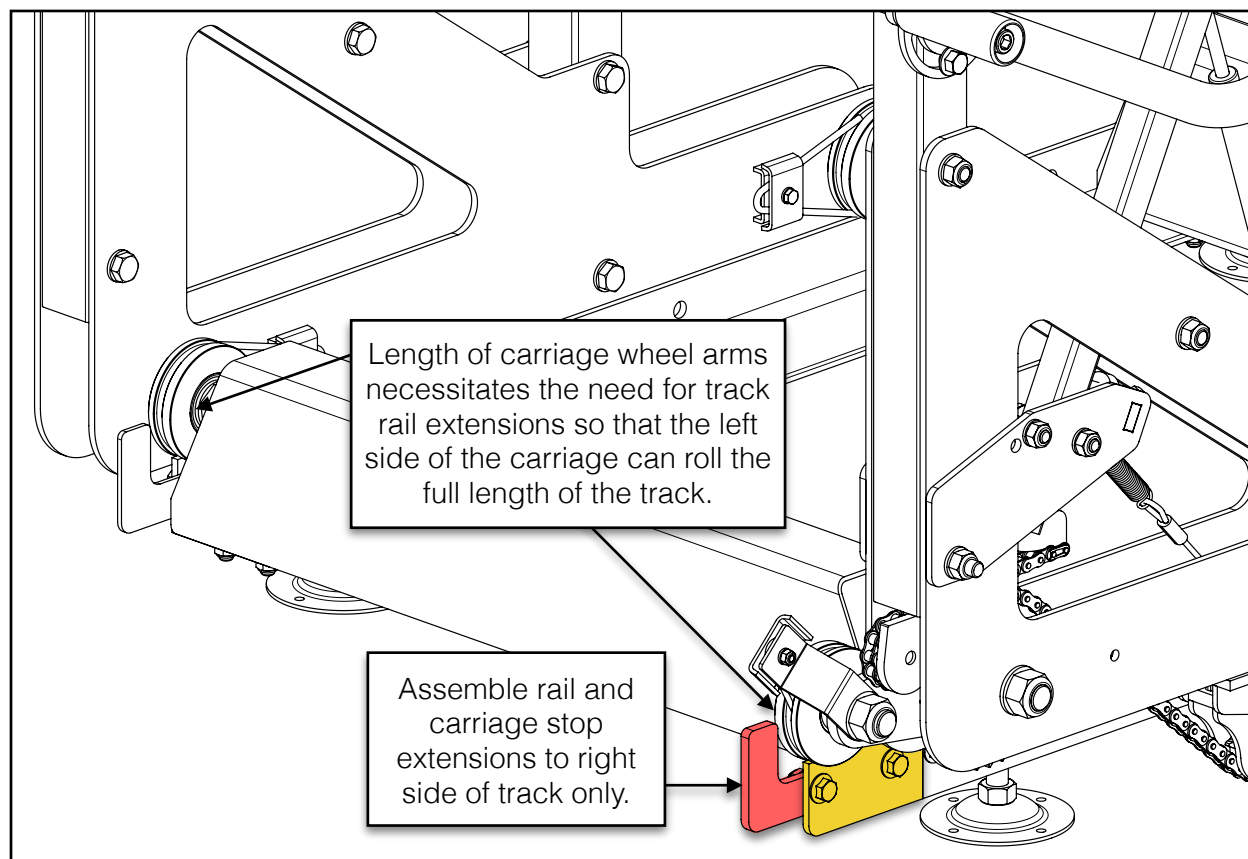


## 12. TRACK RAIL EXTENSIONS

Using the hardware listed below, assemble a track rail extension and extended carriage stop to each end of the right-side sawmill track rails.

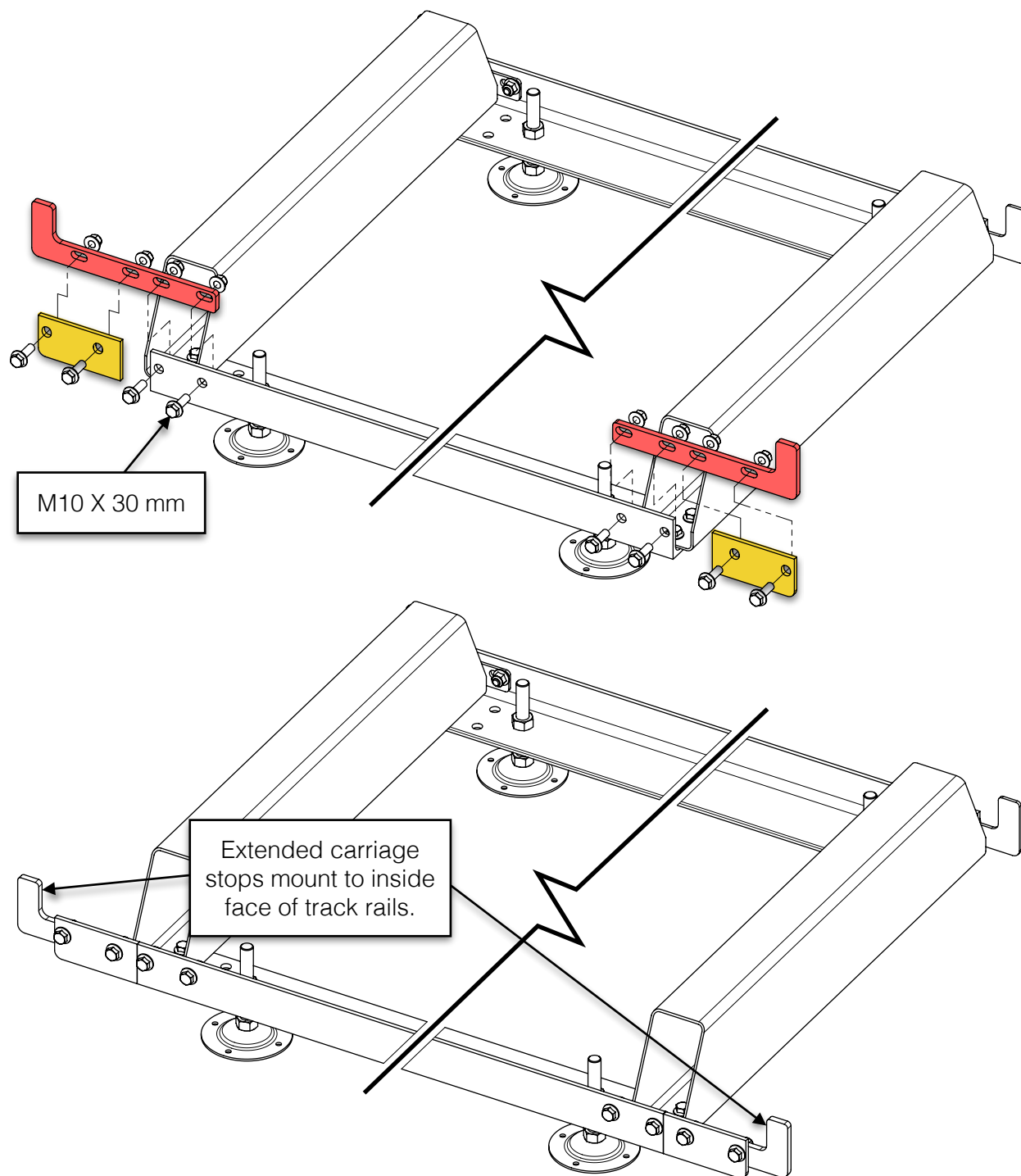
8x	M10 X 30 mm Flanged Hex Bolt		2x	Rail Extension	
8x	M10 Flanged Lock Nut		2x	Extended Carriage Stop	

Because of the increased length on the right-side of the sawmill carriage due to the addition of the carriage wheel arms, track rail extensions are added in order to maintain the maximum log cut length. This applies whether or not the track is standard length (10 ft) or has an extension (16 ft).



First, remove the existing carriage stops from both ends of the right-side track rails.

Next, assemble a rail extension and extended carriage stop to each end of the right-side track rails using four (4) M10 X 30 mm flanged hex bolts and four (4) M10 flanged lock nuts per end.

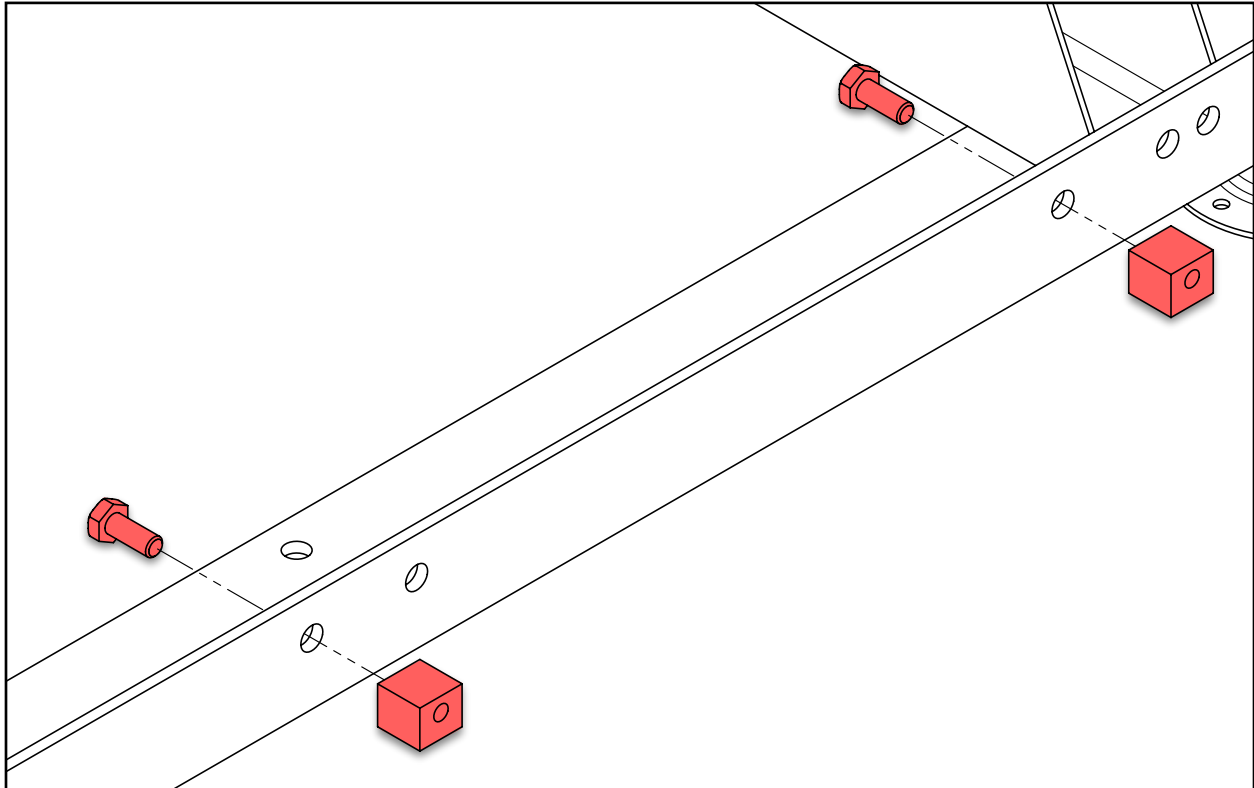




## 13. SETUP BLOCK REMOVAL

With the lap siding attachment assembly complete, remove the two (2) setup blocks from the track rail. Be sure to store these components and associated hardware in case the lap siding attachment is removed in the future.

Roll the sawhead carriage away from the setup blocks and remove the two (2) M10 X 25 mm hex bolts.

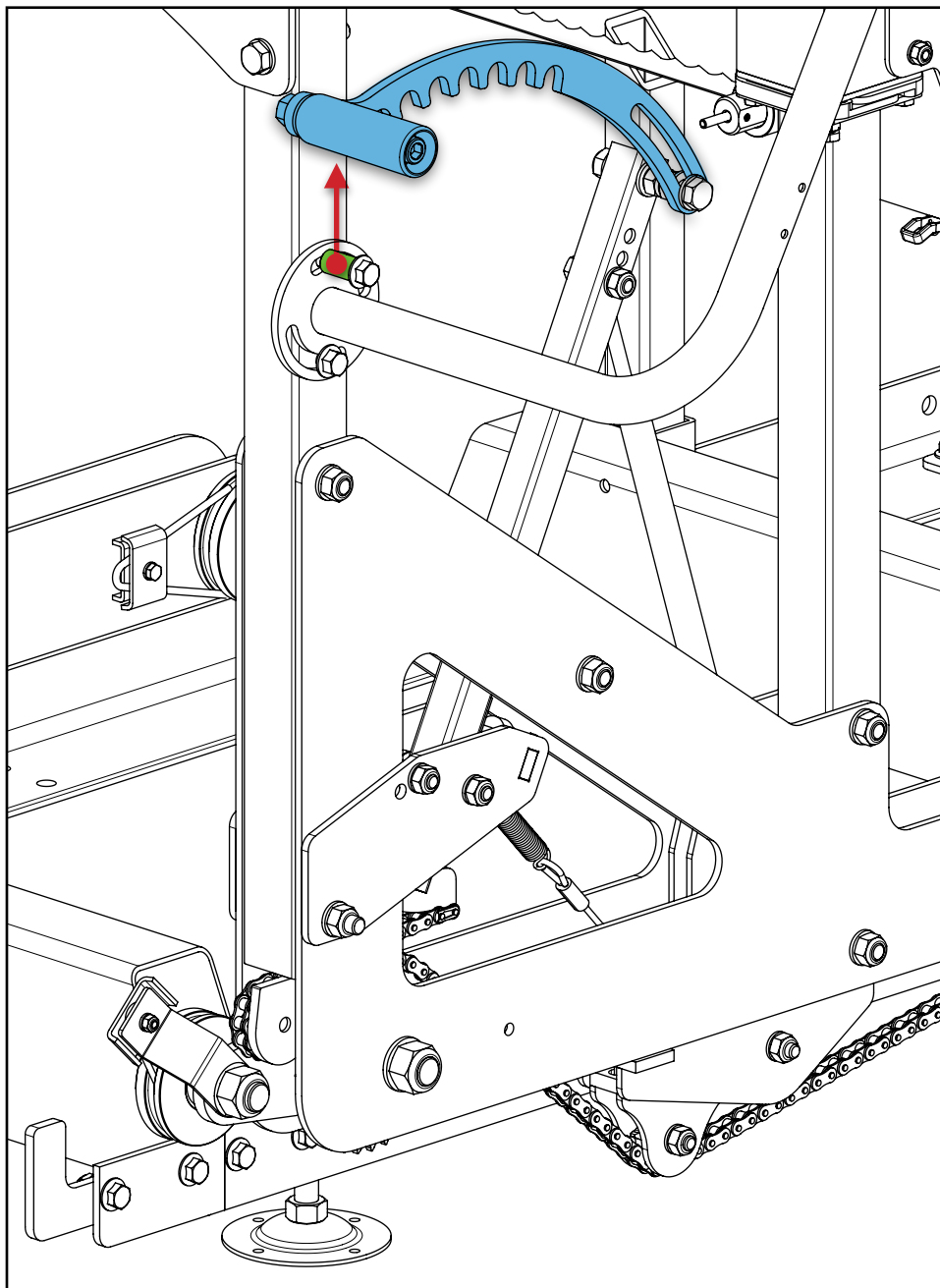




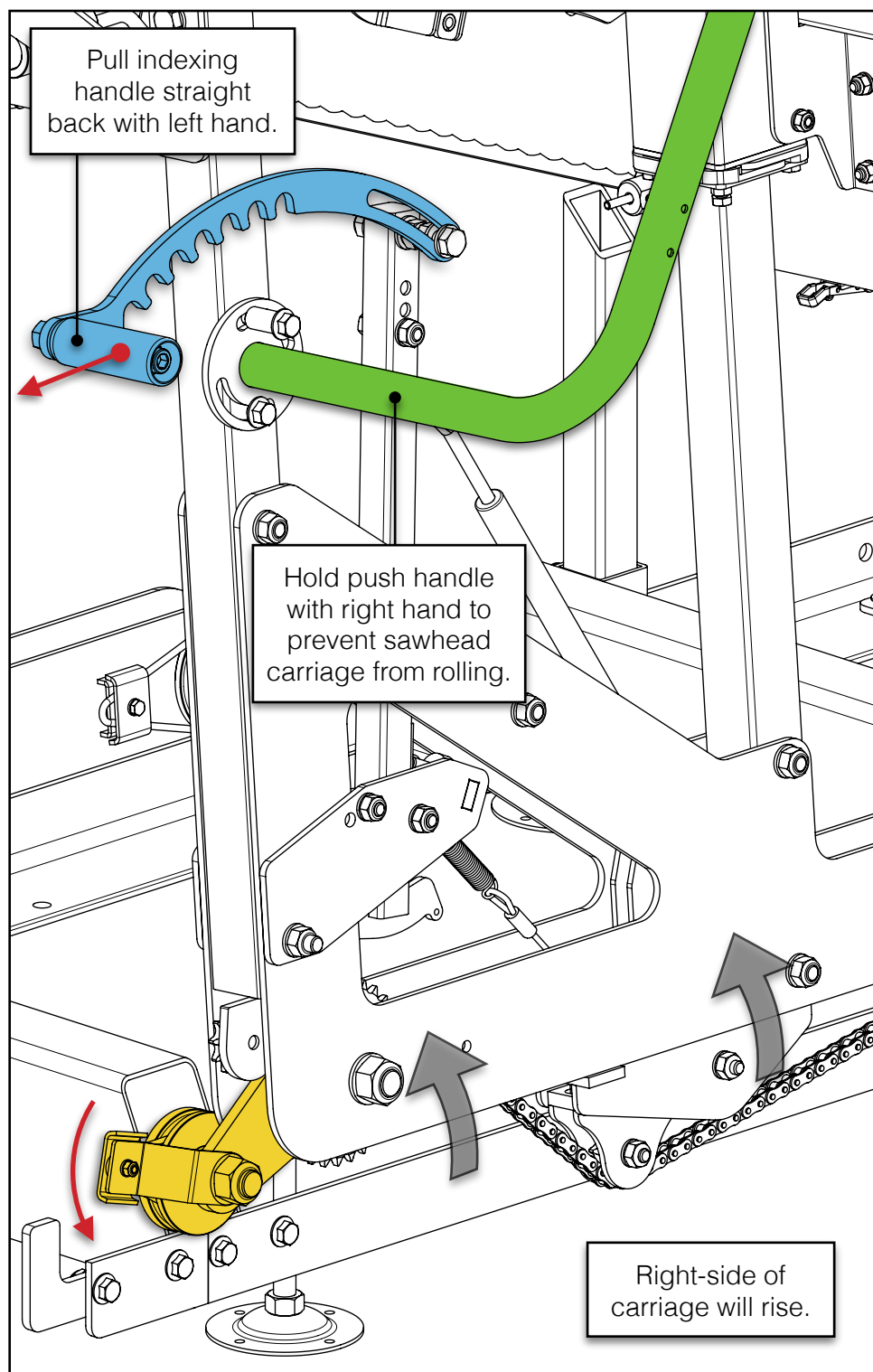
## OPERATION

### ANGLING THE SAWHEAD

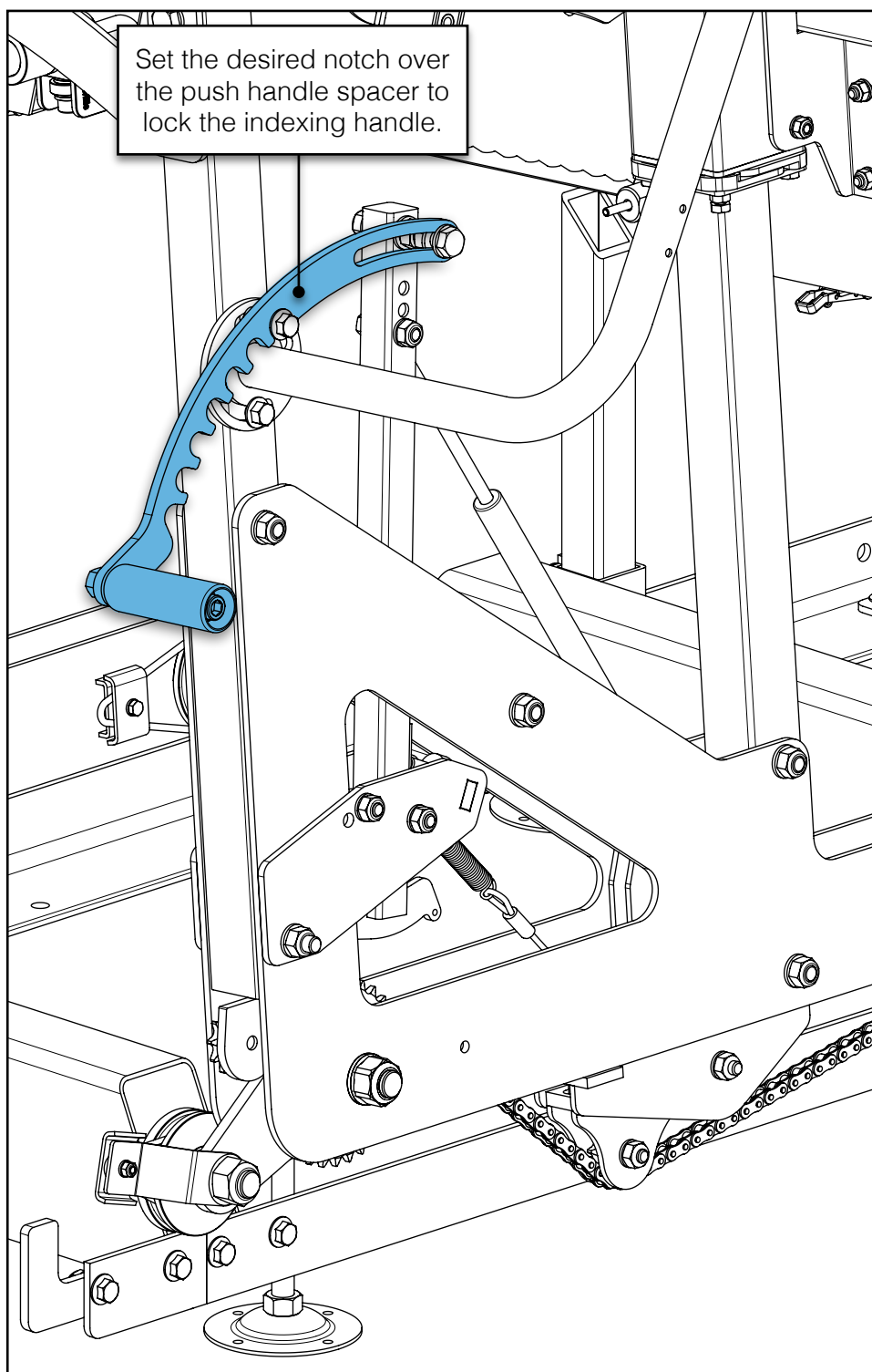
To angle the sawhead, first lift the indexing handle up off the push handle spacer.



Then, while holding the push handle to prevent the carriage from rolling, pull the indexing handle towards the rear. The right-side of the carriage will rise as the lever is pulled.



Finally, set the desired notch in the indexing handle over the push handle spacer to lock the sawhead in at that angle.

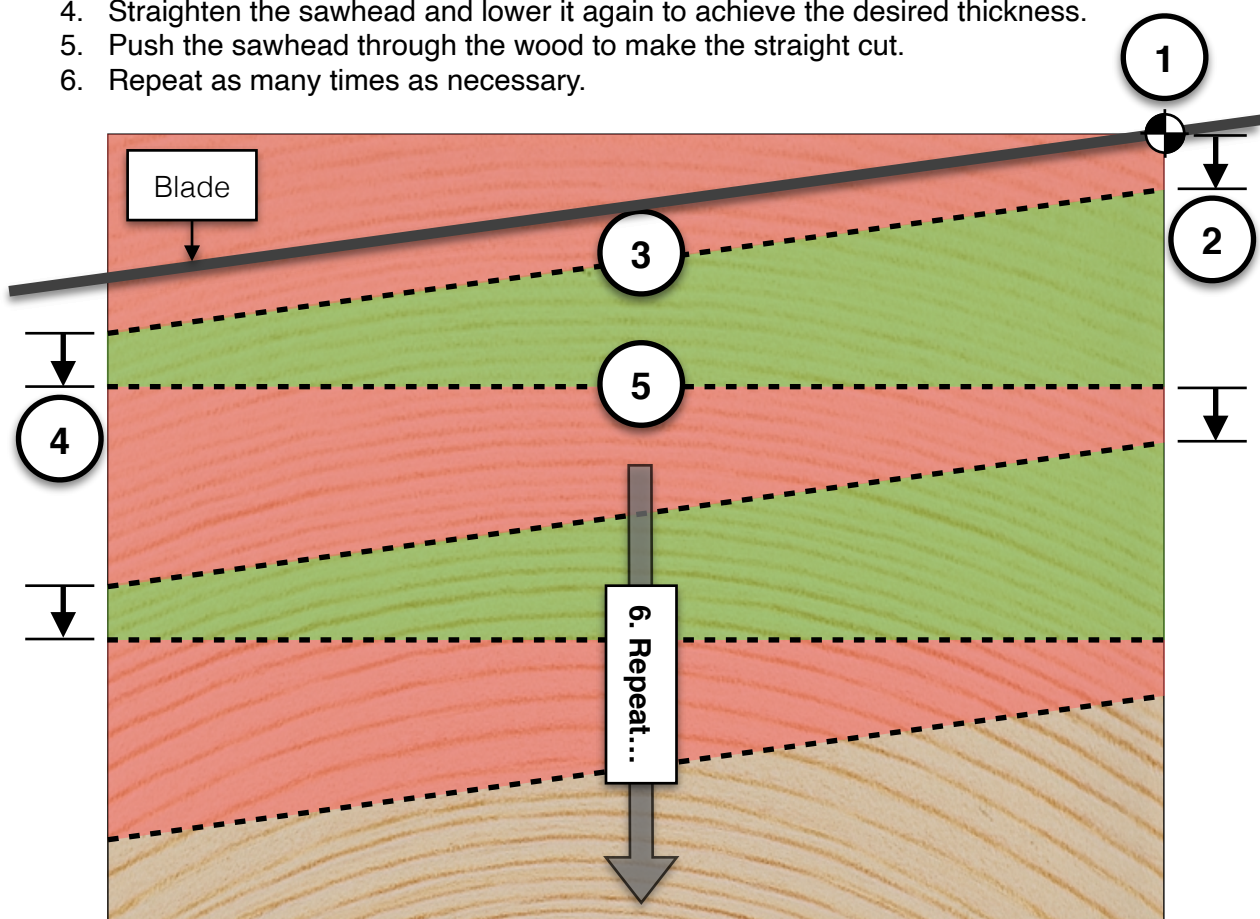


## LAP SIDING CUT METHOD

Before lap siding boards can be cut, first mill a log to an appropriate square cant size to achieve the desired board width.

Then follow these steps to cut the canted lumber to minimize waste:

1. Angle the sawhead by setting the indexing handle to the appropriate notch and align the blade with top-right corner of the canted lumber. Remember which notch was used so as to maintain uniformity on successive angled cuts.
2. Using the carriage crank handle, lower the sawhead to the desired thickness.
3. Push the sawhead through the wood to make the angled cut.
4. Straighten the sawhead and lower it again to achieve the desired thickness.
5. Push the sawhead through the wood to make the straight cut.
6. Repeat as many times as necessary.

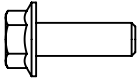

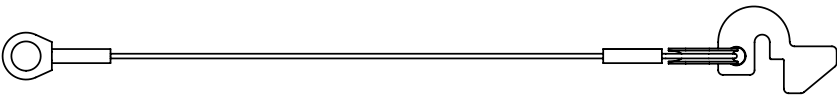


**Note: the notches in the indexing handle do not represent fixed angles. The sawhead angle will vary depending on sawmill model.**

## TRAILER LOCK-DOWN

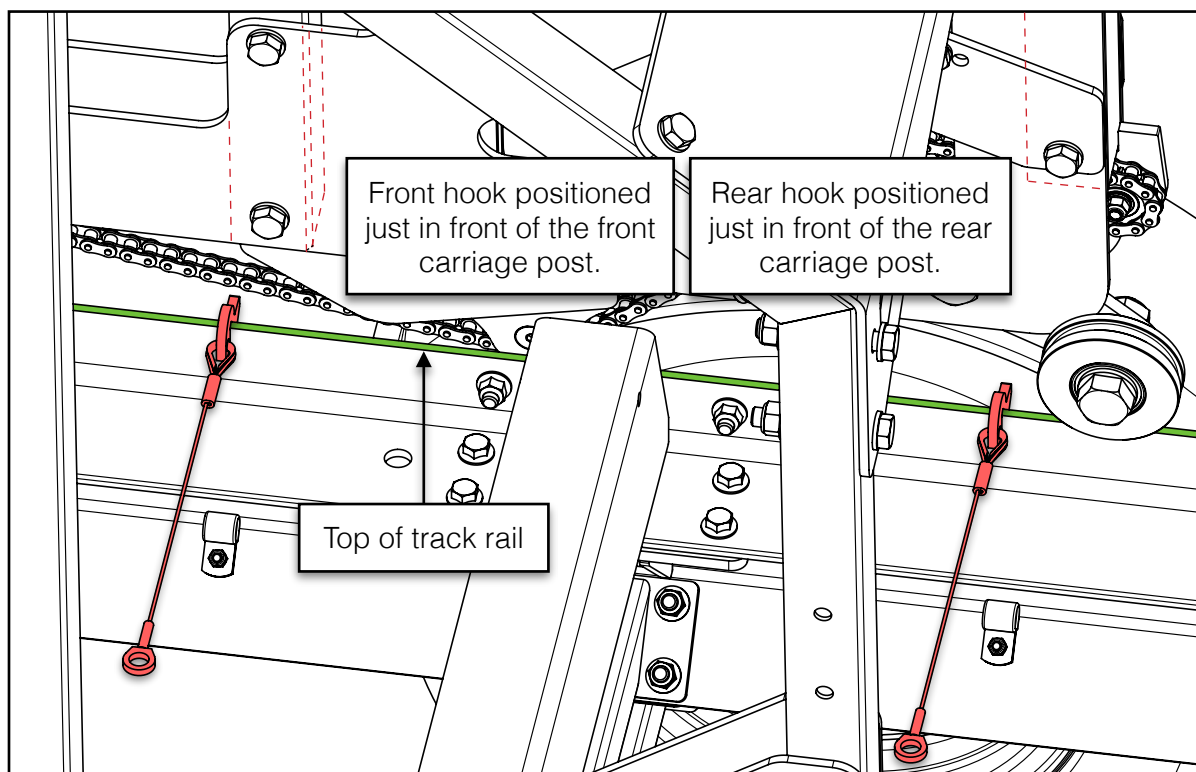
**\*\*This section applies to owners with sawmill trailers only.\*\***

The lap siding kit comes with two (2) travel hooks with wire rope lanyards that are used to lock the sawhead carriage to the track. HM126 & HM130(MAX) kits also include hardware for mounting the hooks to Woodlander sawmill trailers with extensions (XL versions only).

2x	M10 X 25 mm Flanged Hex Bolt <b>Woodlander XL(MAX)</b>		2x	M10 Flanged Lock Nut <b>Woodlander XL(MAX)</b>	
2x	Travel Hook with Lanyard				

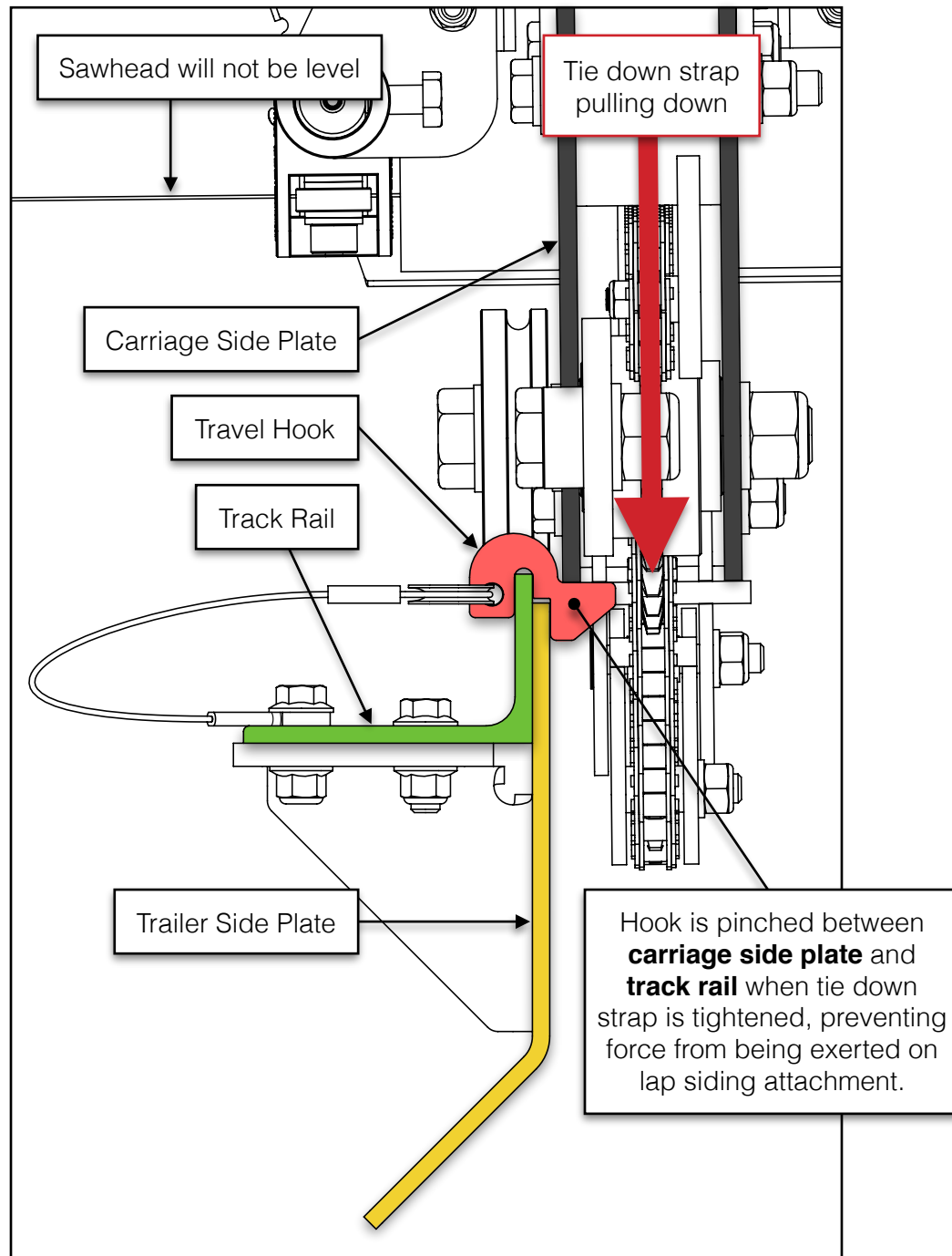
Roll the sawhead carriage forward to its lock-down position. See section, **HEAD LOCK-DOWN PLATES**, in the sawmill trailer manuals for more information.

Use the lap siding indexing handle to raise the right-side of the sawhead carriage to its maximum height. Place the travel hooks over top of the track rail, positioning them so they are located just in front of the carriage posts. Lower the carriage back down onto the hooks.



The hooks act as a vertical carriage stop, preventing the lap siding attachment from sustaining damage when the tie-down strap is tightened while readying the sawmill trailer for transport.

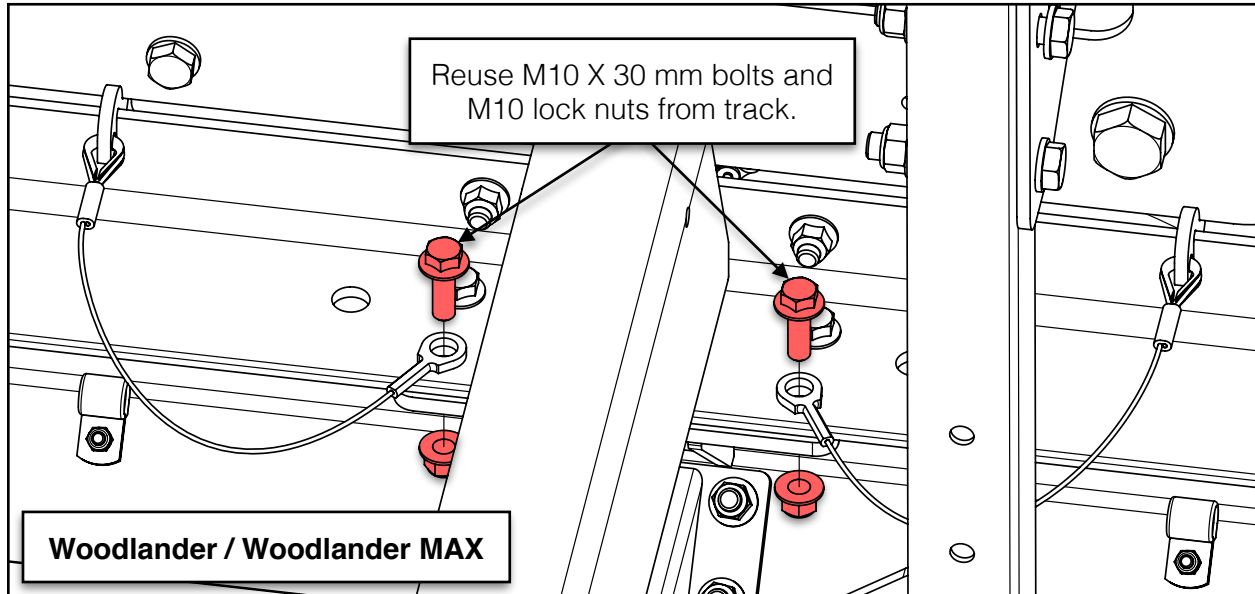
Note that the carriage will not sit level when locked-down for transport. This is normal.



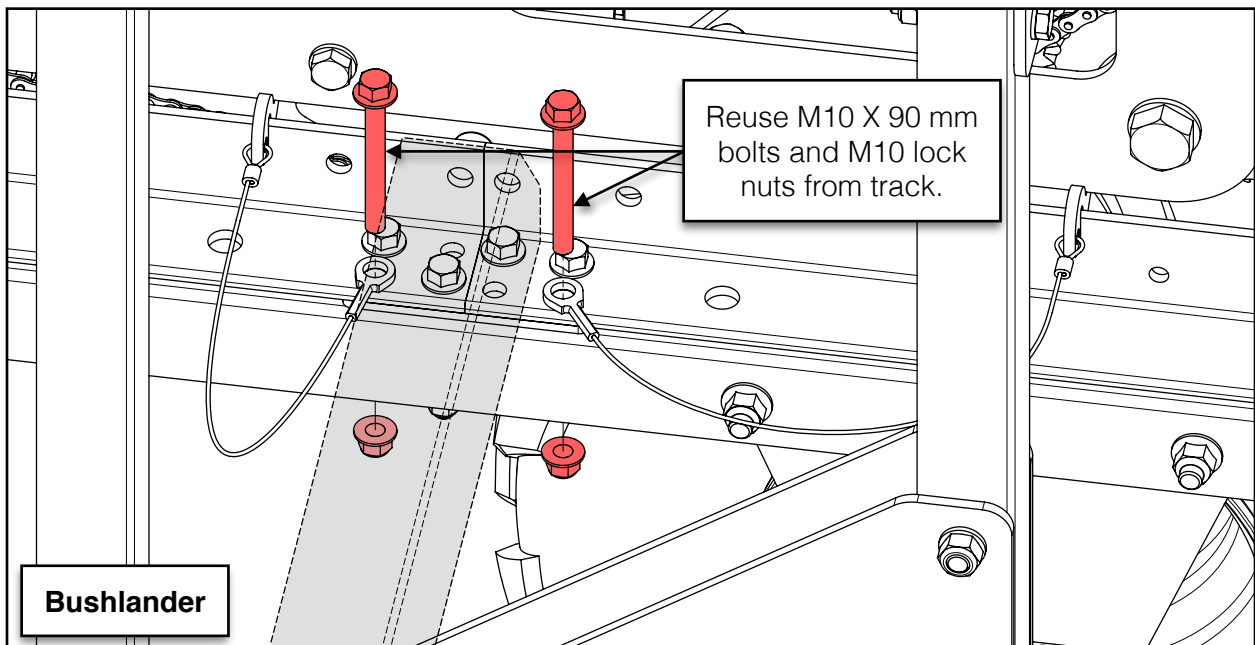
**\*\*Some components removed for clarity\*\***



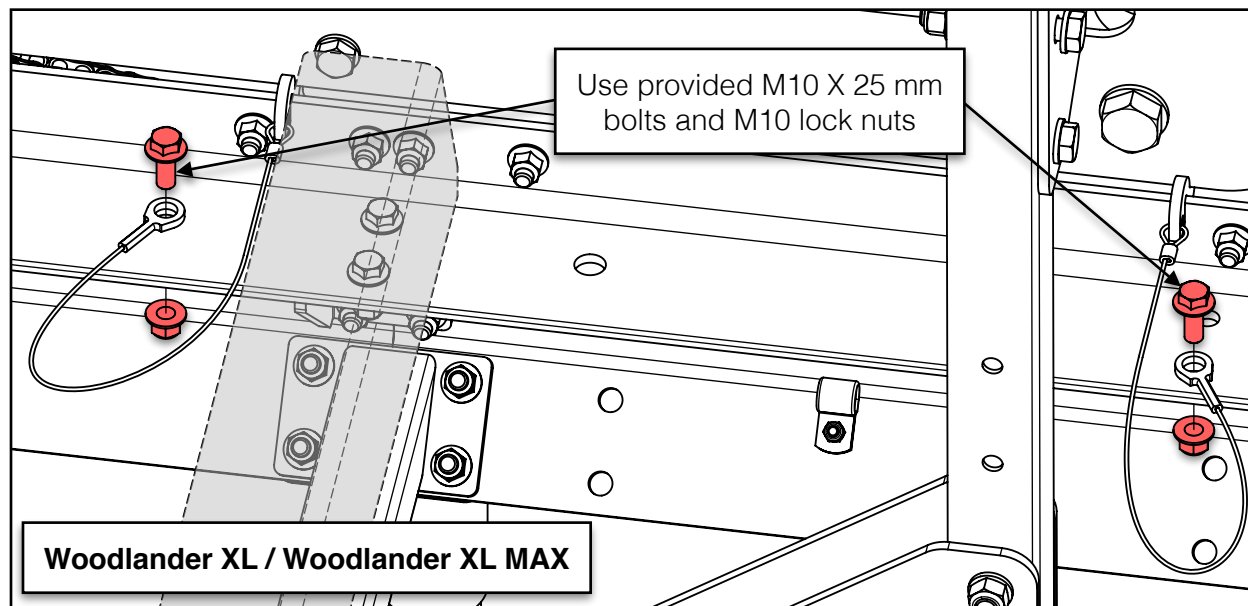
On *Woodlander* and *Woodlander MAX* sawmill trailers *without* extensions, temporarily remove two (2) of the M10 X 30 mm flanged hex bolts from the track reinforcement plate and then reassemble them through the lanyard eyelets.



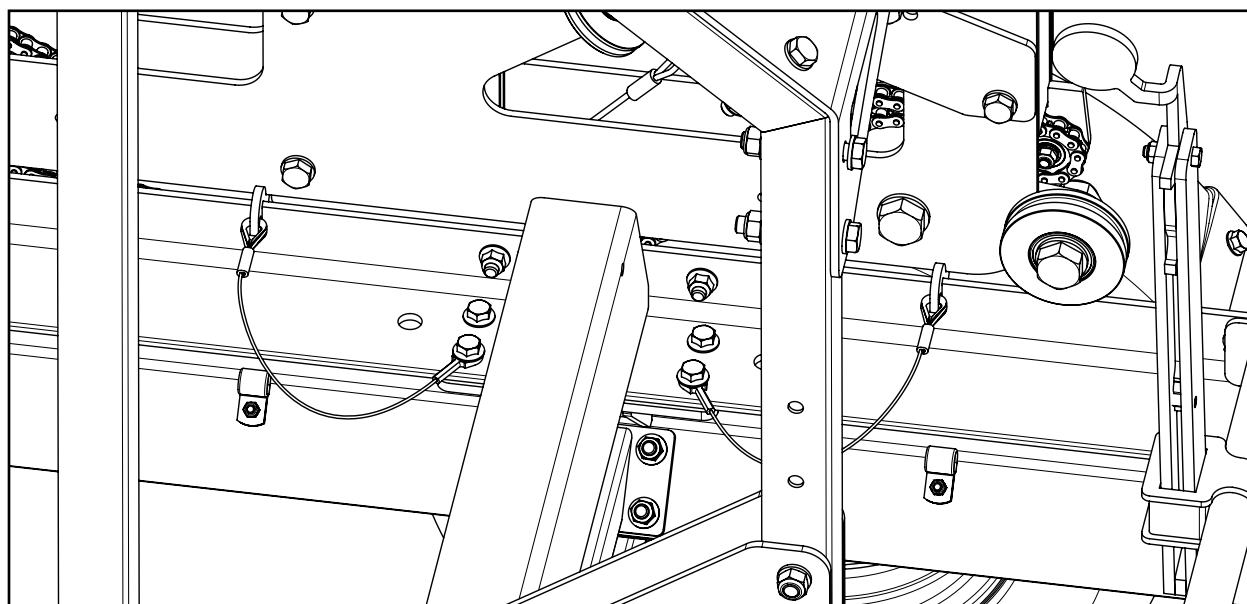
On *Bushlander* sawmill trailers *with* or *without* an extension, temporarily remove two (2) of the M10 X 90 mm flanged hex bolts from the track reinforcement plate and then reassemble them through the lanyard eyelets.



On *Woodlander XL* and *Woodlander XL MAX* sawmill trailers *with extensions*, use the two (2) M10 X 25 mm flanged hex bolts and M10 flanged lock nuts and assemble the travel hooks through the nearest open thru holes in the right side track rail.



The lanyards prevent the travel hooks from getting lost when the sawmill trailer is not being transported. Be sure to remove the hooks from the top of the rail before milling lumber.

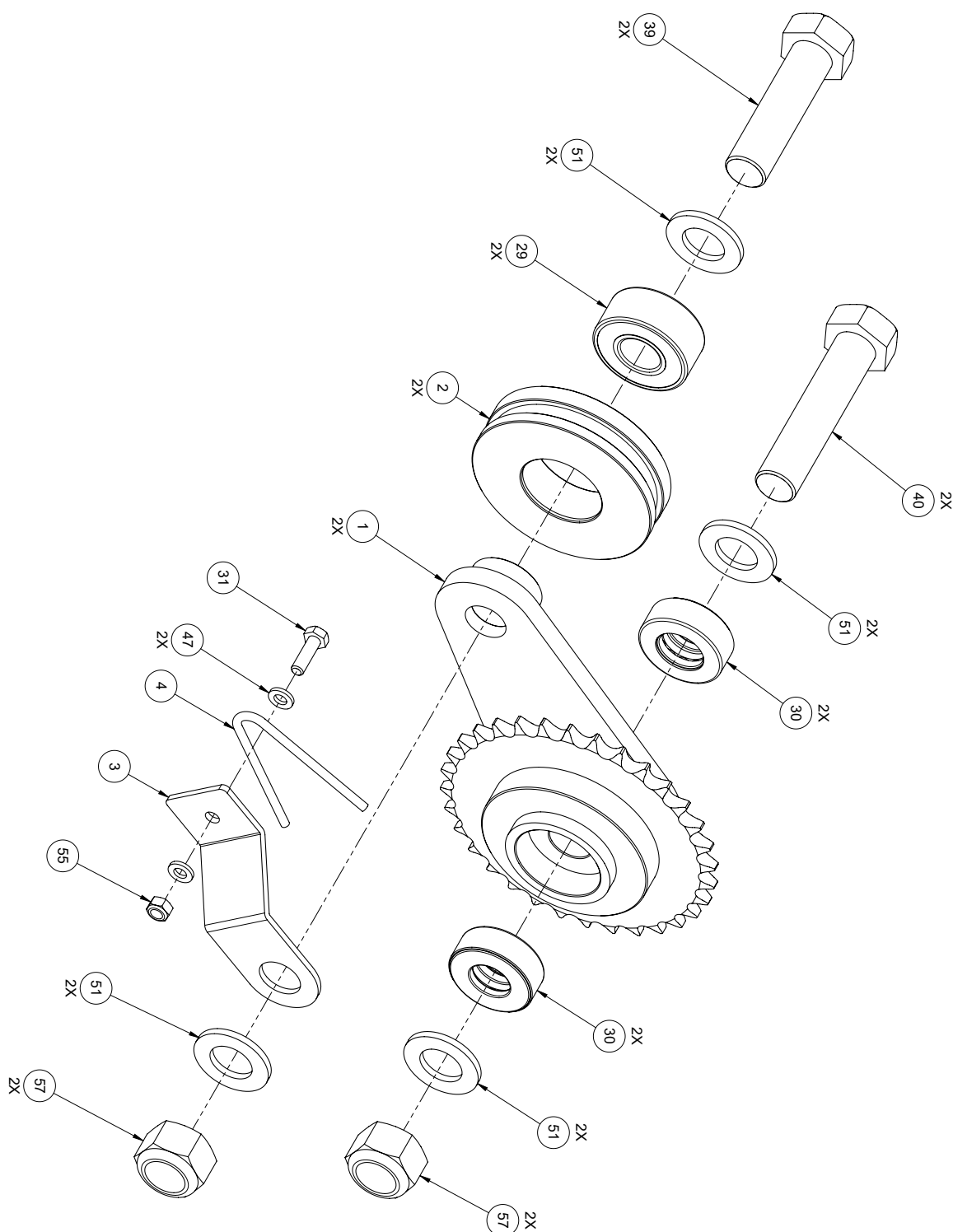


**\*\*Remember to continue to use the standard lock-down plates on the left side of the carriage when transporting the sawmill.\*\***

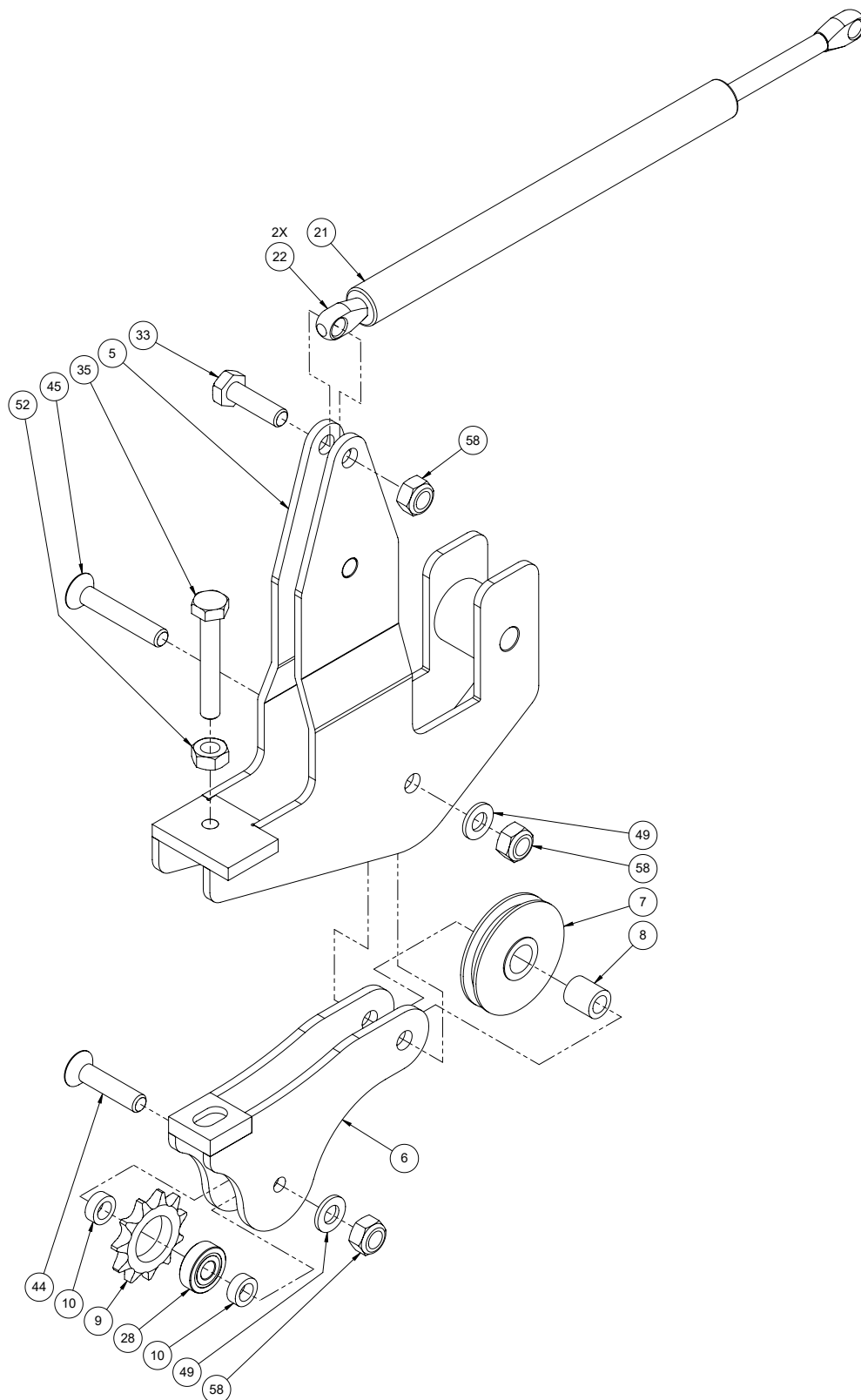


## EXPLODED ASSEMBLY VIEWS

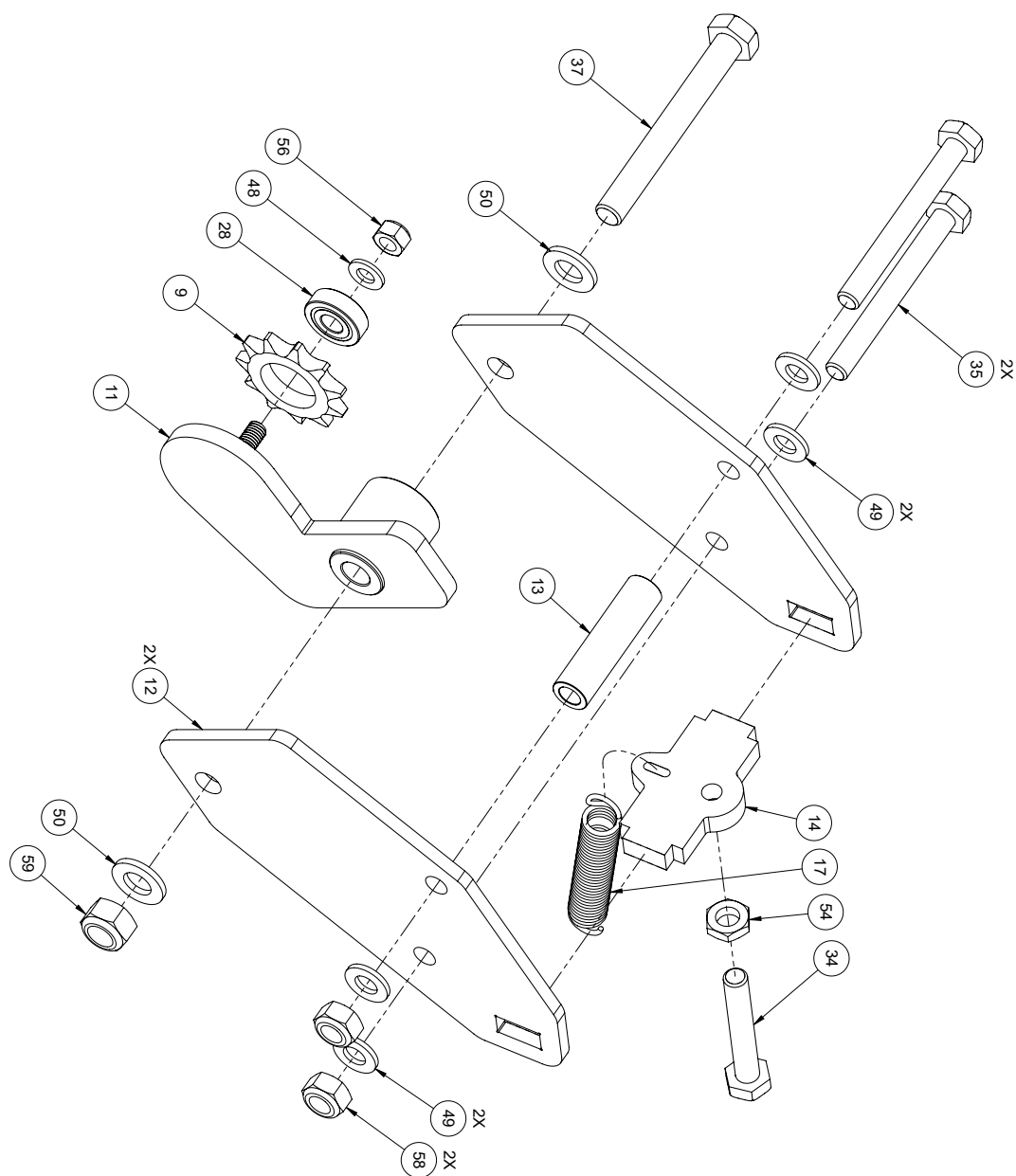
### CARRIAGE WHEEL ARM



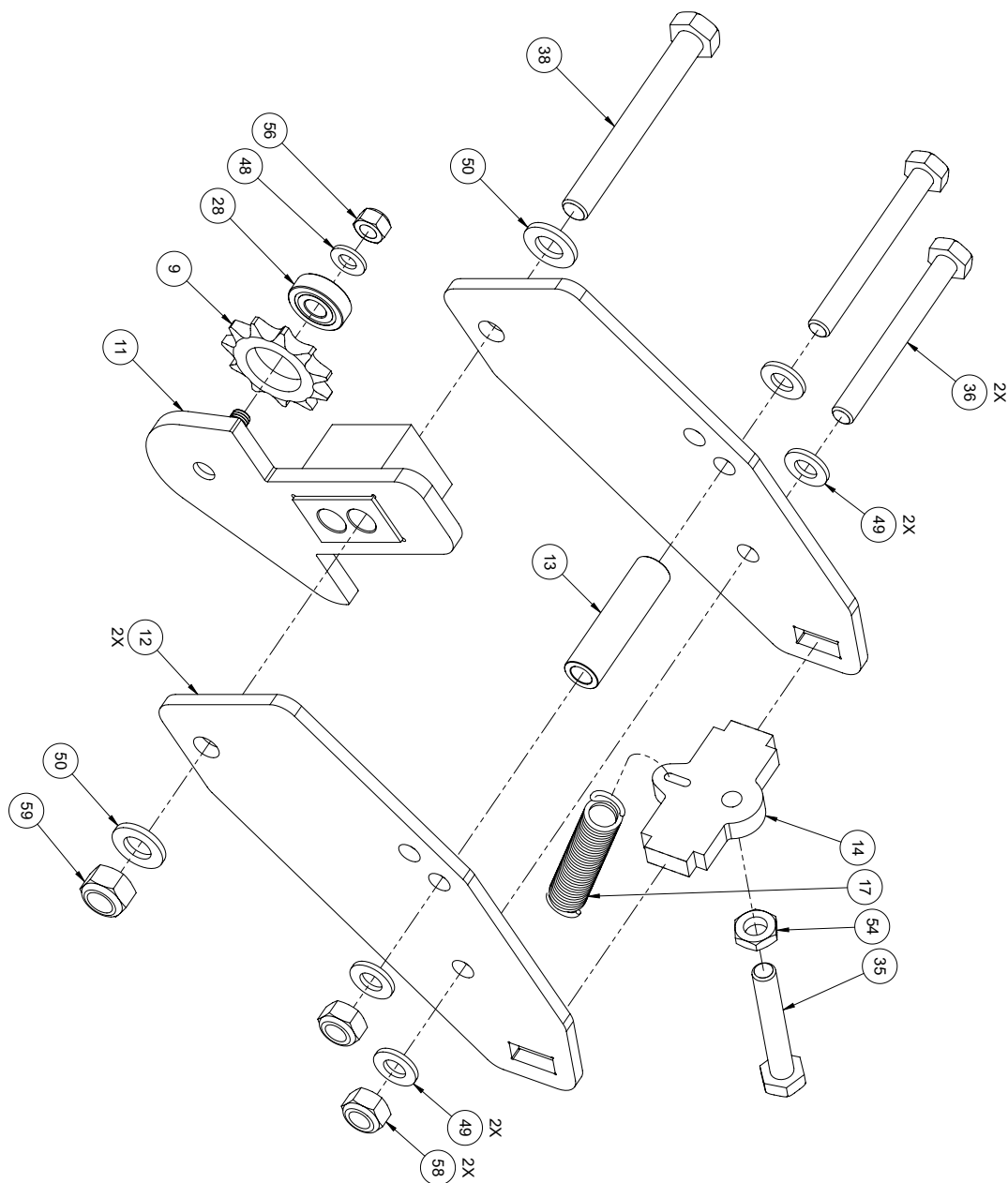
## CHAIN ADJUSTMENT BRACKET



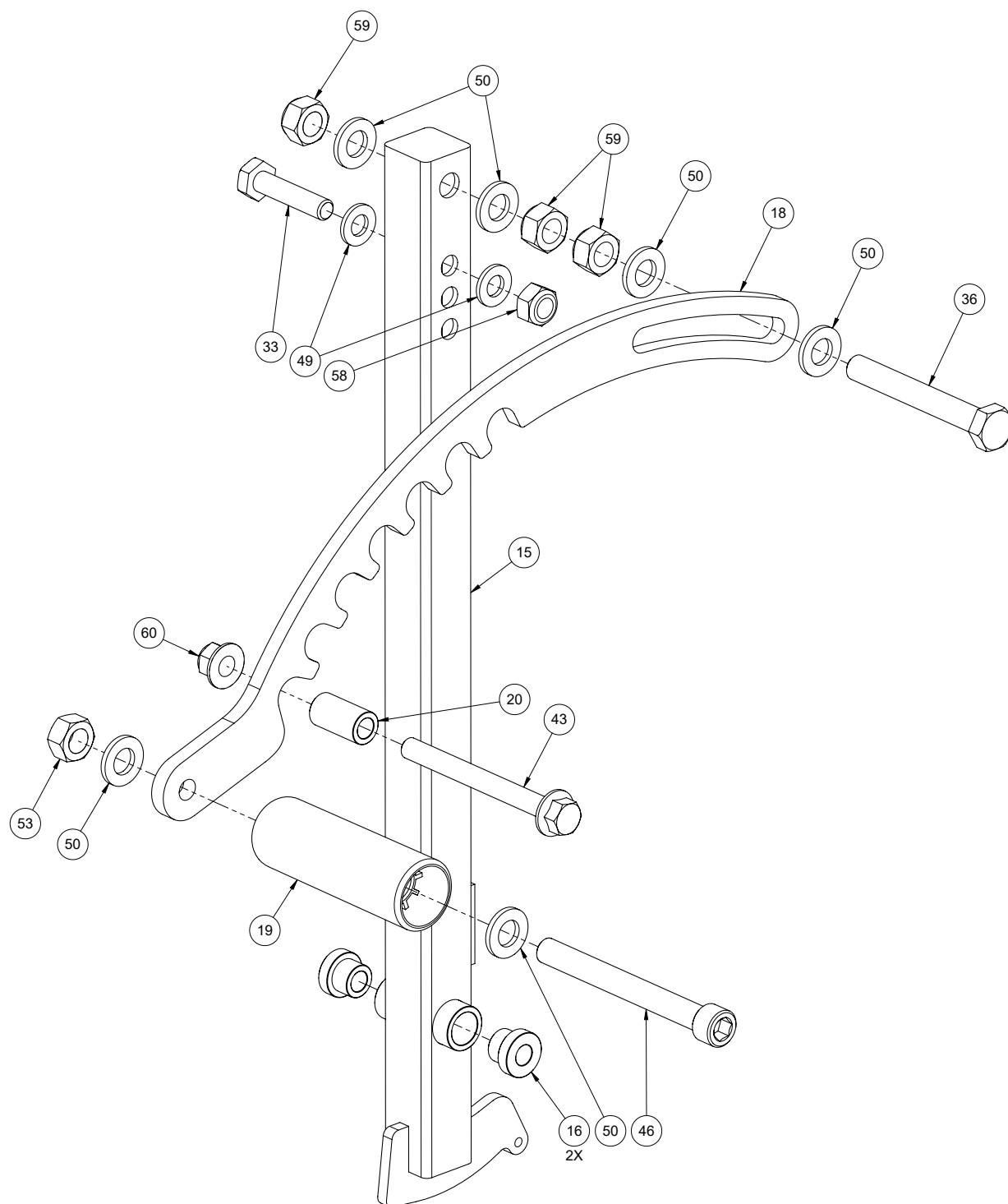
## REAR IDLER [HM122]



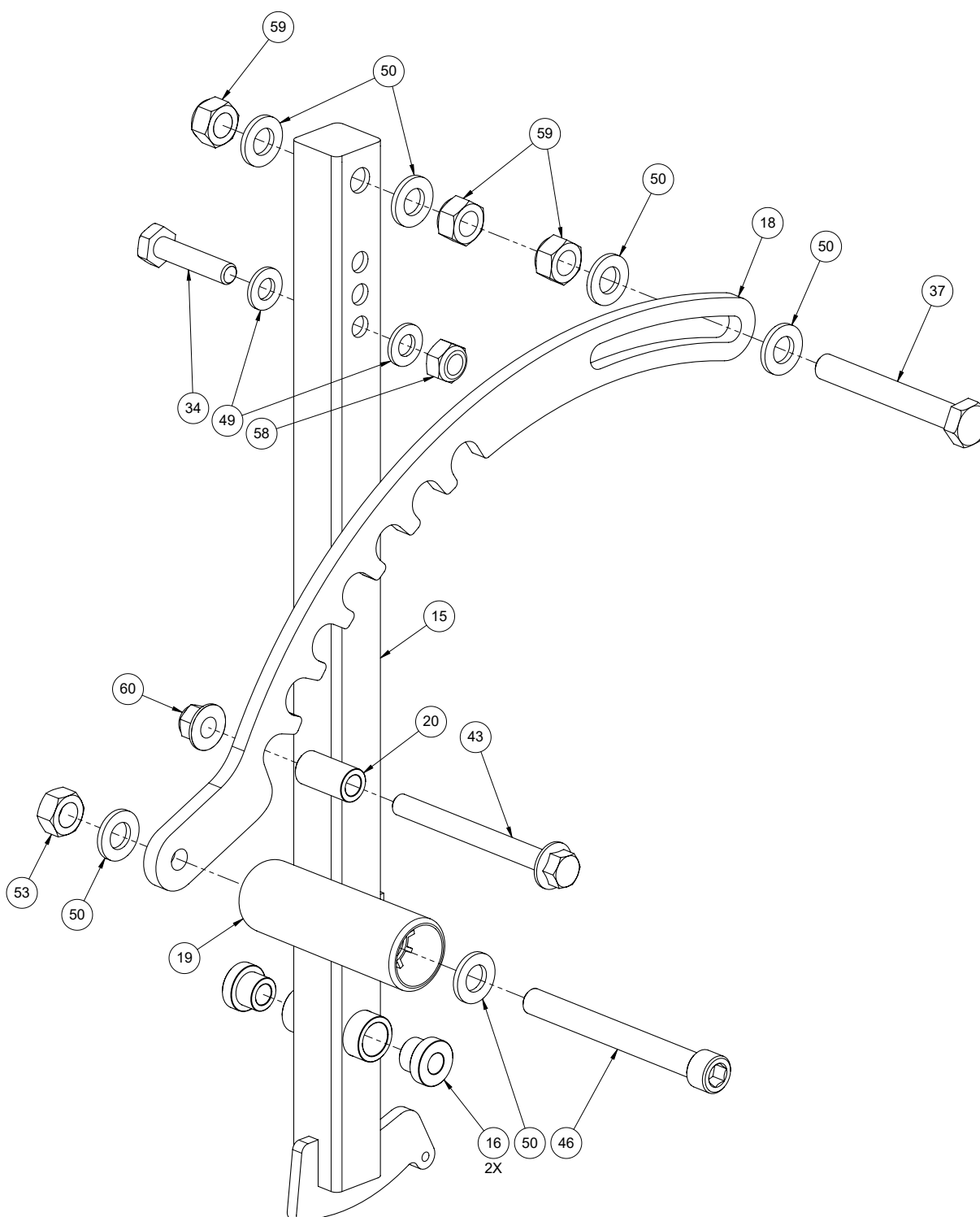
## REAR IDLER [HM126 & HM130(MAX)]



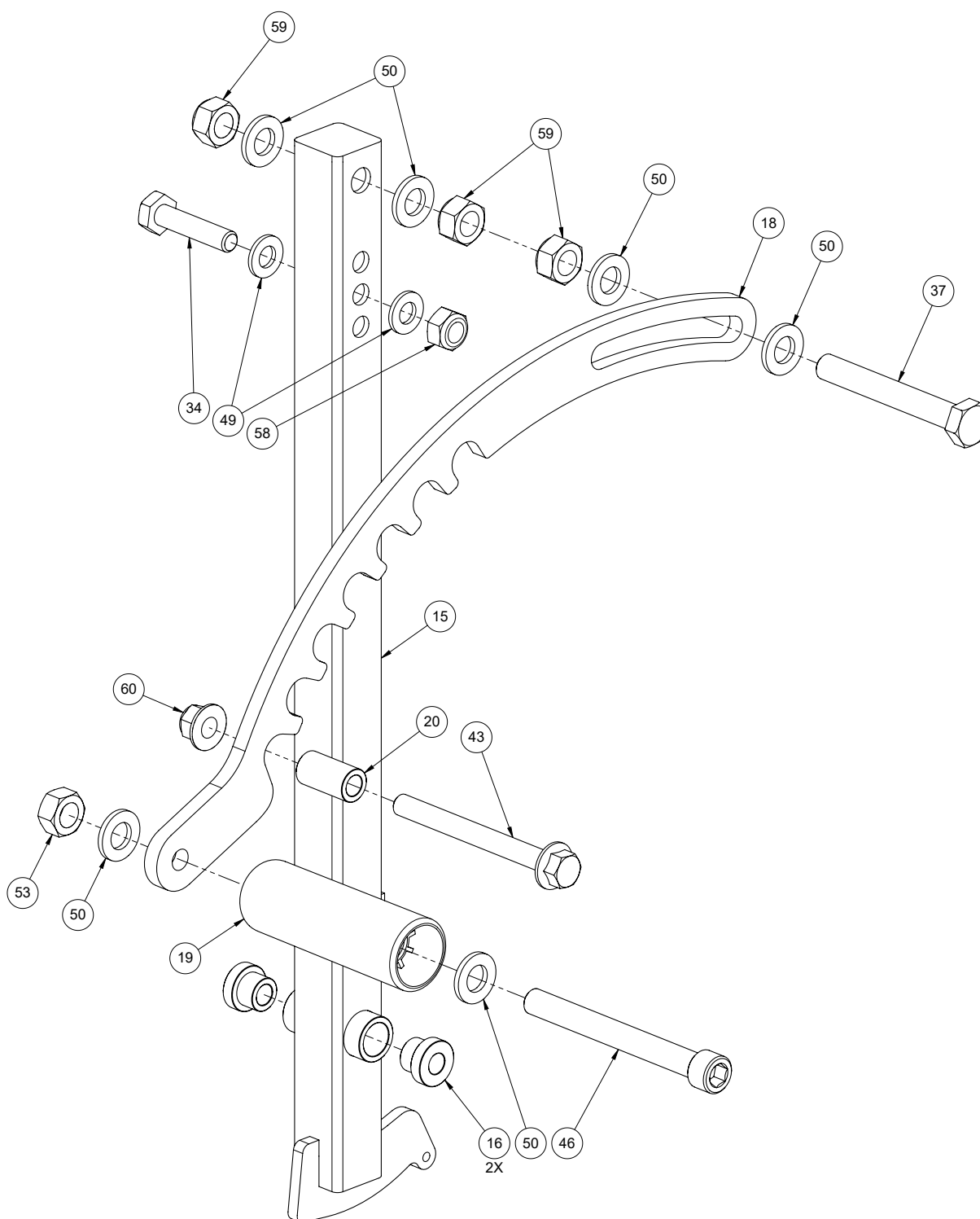
## INDEXING HANDLE & LEVER [HM122]



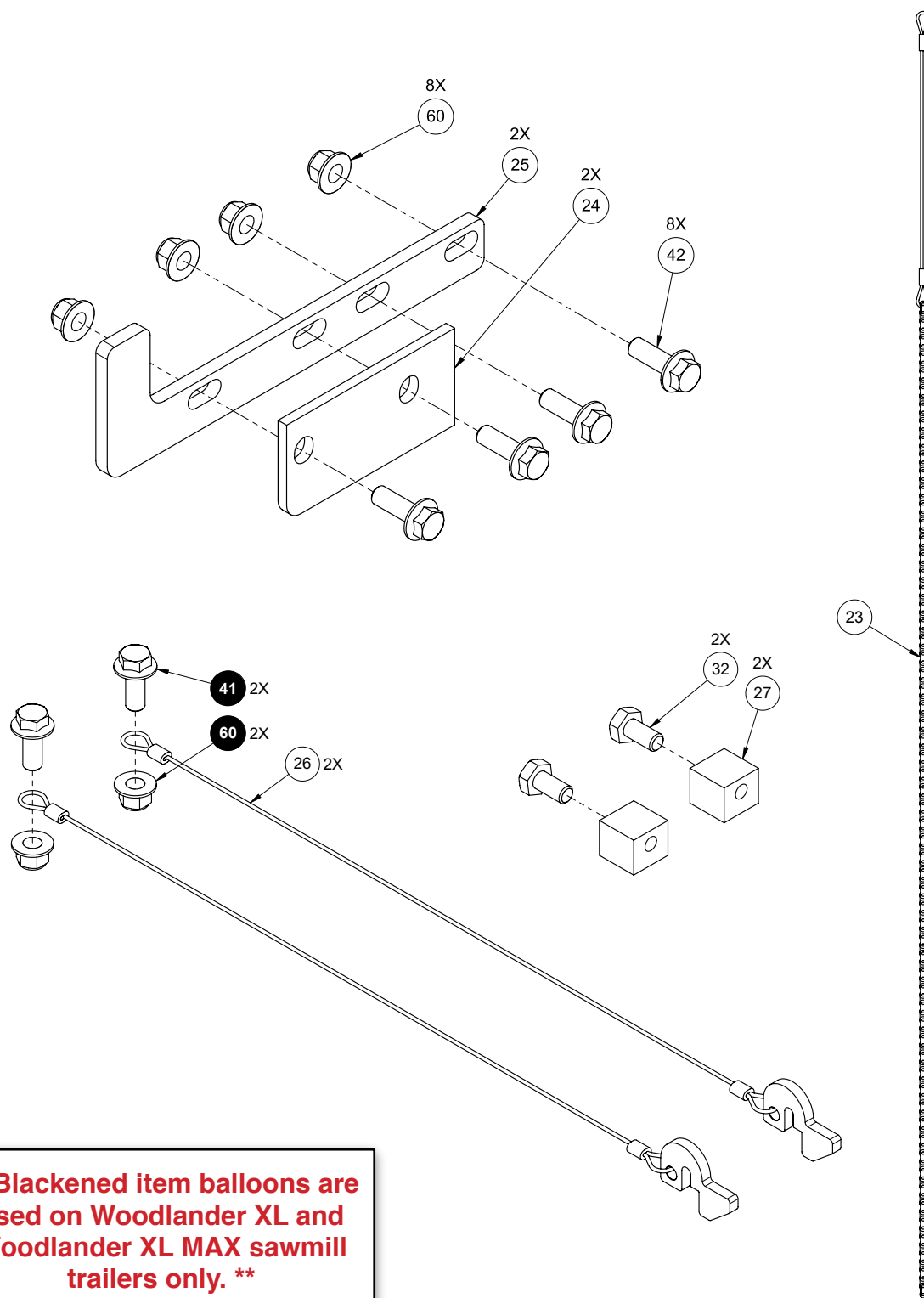
## INDEXING HANDLE & LEVER [HM126]



## INDEXING HANDLE & LEVER [HM130 & HM130MAX]



## TRACK RAIL EXTENSION, TRAVEL HOOKS, CABLE CHAIN



**\*\* Blackened item balloons are used on Woodlander XL and Woodlander XL MAX sawmill trailers only. \*\***





## PARTS LIST

Highlighted rows are items specific to **HM126**, **HM130**, and **HM130MAX** sawmills.

Item	Quantity		Part No.	Description
	HM122	HM126 HM130 (MAX)		
1	2	2	0002366	CARRIAGE WHEEL ARM, 32 TOOTH SPROCKET
2	2	2	0001037	CARRIAGE WHEEL
3	2	2	0005318	WHEEL SWEEPER BRACKET
4	2	2	0005355	WHEEL SWEEPER CABLE
5	1	1	0002369	ADJUSTMENT BRACKET HOUSING
6	1	1	0002370	CHAIN ADJUSTMENT BRACKET
7	1	1	0002372	WIRE ROPE PULLEY, 2 in [50.8 mm] GROOVE, 5/8 in [16 mm] BORE
8	1	1	0002376	BUSHING, 10 ID, 16 OD, 18 mm LG
9	2	2	0003884	SPROCKET, NO. 40 CHAIN, 11 TEETH, 26 mm BORE, 2 in OD
10	2	2	0002820	SPACER, 10 ID X 16 OD X 6 mm LG
11	1	-	0002852	REAR IDLER BRACKET, HM122
	-	1	0004434	REAR IDLER BRACKET, HM126/HM130(MAX)
12	2	-	0002856	CHAIN LEVER PLATE, HM122
	-	2	0002830	CHAIN LEVER PLATE, HM126/HM130(MAX)
13	1	1	0002405	SPACER, 10 ID, 16 OD, 62 mm LG
14	1	1	0002835	TUNING BLOCK
15	1	1	0002384	CHAIN LEVER
16	2	2	0002385	BUSHING, 10 ID, 16 OD, 16 mm LG
17	1	1	0003888	EXTENSION SPRING, HOOK ENDS, 0.641 in OD, 0.08 in DIA WIRE, 4 in LG, 8.45 lb/in RATE
18	1	1	0002823	INDEX HANDLE
19	1	1	0004199	PLASTIC HANDLE, 35 mm DIA, M16 THRU
20	1	1	0002381	SPACER, 10 ID, 16 OD, 30 mm LG
21	1	-	0003885	GAS SPRING, 600 N [134.9 lbf], 200 mm [7.87 in] STROKE, M8 X 1.25
	-	1	0003886	GAS SPRING, 950 N [213.5 lbf], 200 mm [7.87 in] STROKE, M8 X 1.25
22	2	2	0003887	EYELET END FITTING, 10 mm DIA, M8 X 1.25
23	1	-	0005210	CABLE CHAIN, 1511 mm [59.5 in] LG NO. 40 CHAIN, 368.8 mm [14.5 in] LG CABLE
	-	1	0003545	CABLE CHAIN, 1511 mm [59.5 in] LG NO. 40 CHAIN, 445 mm [17.5 in] LG CABLE
24	2	2	0002825	TRACK RAIL EXTENSION
25	2	2	0002826	CARRIAGE STOP
26	2	-	0003724	TRAVEL HOOK W/ LANYARD, HM122
	-	2	0003188	TRAVEL HOOK W/ LANYARD, HM126/HM130(MAX)
27	2	2	0002913	SETUP BLOCK
28	2	2	6000-2RS	BALL BEARING, SEALED, 10 mm SFT, 26 mm HSG, 8 mm WD
29	2	2	5204-2RS	BALL BEARING, SEALED, ANG-CONT, DOUBLE ROW, 20 mm SFT, 47 mm HSG, 20.6 mm WD
30	4	4	51204	THRUST BEARING, SINGLE DIR, W/ HSG, 20 mm SFT, 40 mm HSG, 14 mm WD
31	2	2	HDW	HEX BOLT, M6 X 1.0, 20 mm LG, FULL
32	2	2	HDW	HEX BOLT, M10 X 1.5, 20 mm LG, FULL
33	1	1	HDW	HEX BOLT, M10 X 1.5, 35 mm LG, FULL
34	1	1	HDW	HEX BOLT, M10 X 1.5, 45 mm LG, FULL



Item	Quantity		Part No.	Description
	HM122	HM126 HM130 (MAX)		
35	2	2	HDW	HEX BOLT, M10 X 1.5, 65 mm LG, FULL
36	2	2	HDW	HEX BOLT, M10 X 1.5, 90 mm LG, 26 mm LG THD
37	1	1	HDW	HEX BOLT, M12 X 1.75, 90 mm LG, FULL
38	1	1	HDW	HEX BOLT, M12 X 1.75, 100 mm LG, 30 mm LG THD
39	2	2	HDW	HEX BOLT, M20 X 2.5, 75 mm LG, 46 mm LG THD
40	2	2	HDW	HEX BOLT, M20 X 2.5, 90 mm LG, 46 mm LG THD
41	-	2	HDW	HEX BOLT, FLANGED, M10 X 1.5, 25 mm LG, FULL
42	8	8	HDW	HEX BOLT, FLANGED, M10 X 1.5, 30 mm LG, FULL
43	1	1	HDW	HEX BOLT, FLANGED, M10 X 1.5, 100 mm LG, 26 mm LG THD
44	1	1	HDW	SCREW, HFH, M10 X 1.5, 45 mm LG, FULL
45	1	1	HDW	SCREW, HFH, M10 X 1.5, 60 mm LG, 26 mm LG THD
46	1	1	HDW	SHCS, M12 X 1.75, 110 mm LG, FULL
47	2	2	HDW	FLAT WASHER, M6
48	1	1	HDW	FLAT WASHER, M8
49	8	8	HDW	FLAT WASHER, M10
50	8	8	HDW	FLAT WASHER, M12
51	8	8	HDW	FLAT WASHER, M20
52	1	1	HDW	HEX NUT, M10 X 1.5
53	1	1	HDW	HEX NUT, M12 X 1.75
54	1	1	HDW	HEX NUT, THIN, M10 X 1.5, 5 mm THK
55	2	2	HDW	LOCK NUT, M6 X 1.0
56	1	1	HDW	LOCK NUT, M8 X 1.25
57	6	6	HDW	LOCK NUT, M10 X 1.5
58	4	4	HDW	LOCK NUT, M12 X 1.75
59	4	4	HDW	LOCK NUT, M20 X 2.5
60	9	11	HDW	LOCK NUT, FLANGED, M10 X 1.5

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