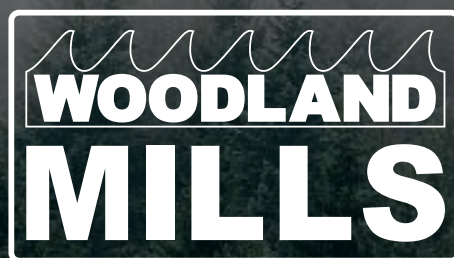


# SAWMILL ACCESSORY



## LAP SIDING ATTACHMENT OPERATOR'S MANUAL



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	2019 & Earlier	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

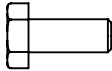
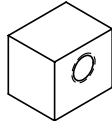
### 1. TOOLS REQUIRED

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)

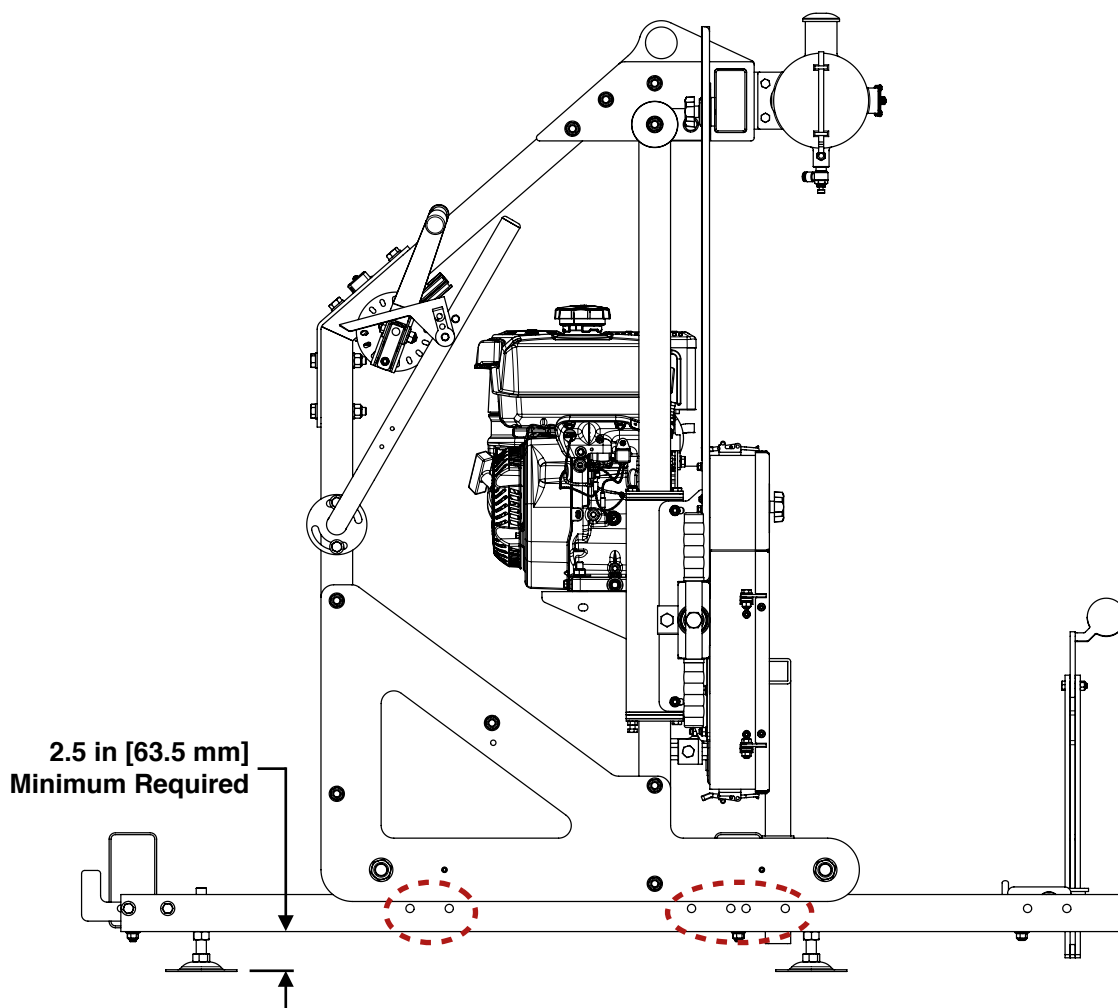


## 2. SETUP BLOCKS

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.

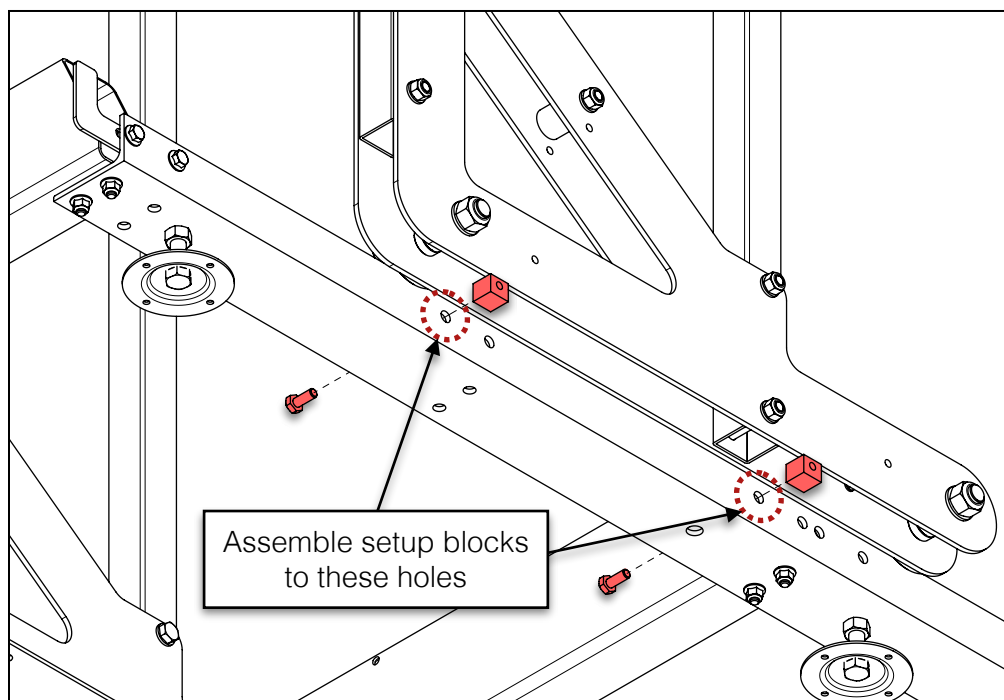
2x	M10 X 25 mm Hex Bolt		2x	Setup Block	
----	-------------------------	---	----	-------------	---

First 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.

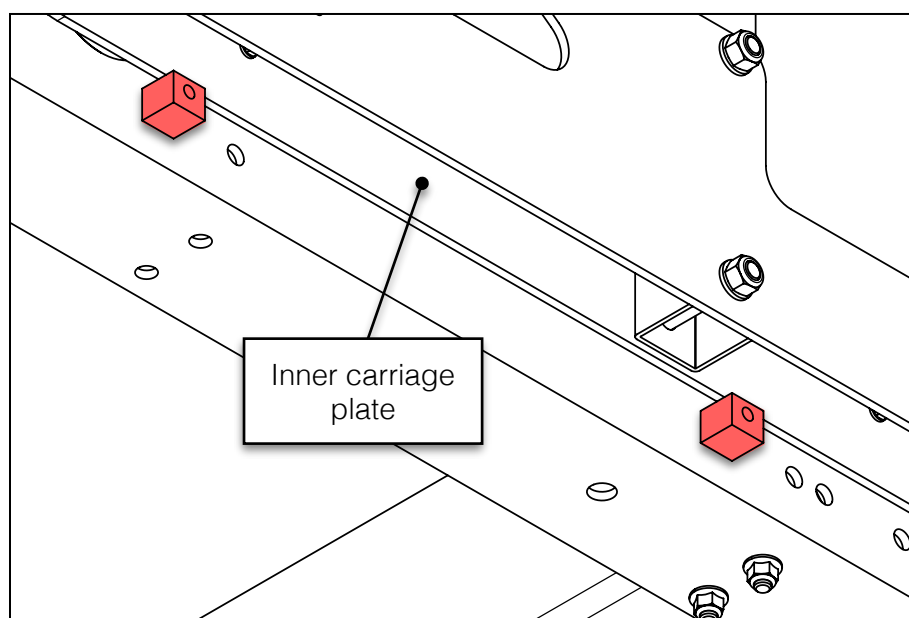


**\*\*Note: on ground-mounted sawmills, the lap siding attachment requires a minimum of 2.5 in [63.5 mm] of vertical track clearance, measured from the bottom of the track rail to the levelling foot/base.\*\***

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.



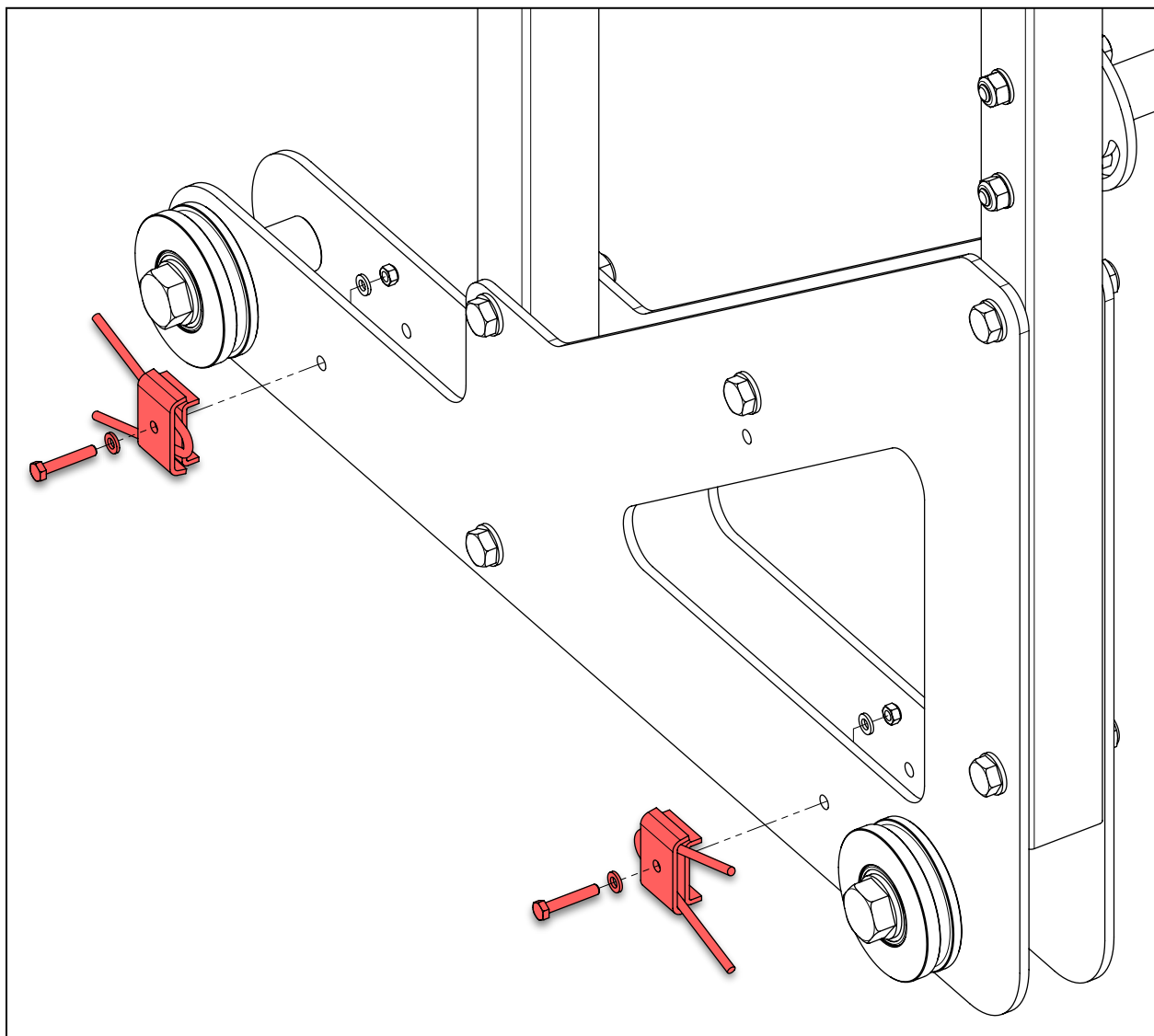
### 3. SAWMILL DISASSEMBLY

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.

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

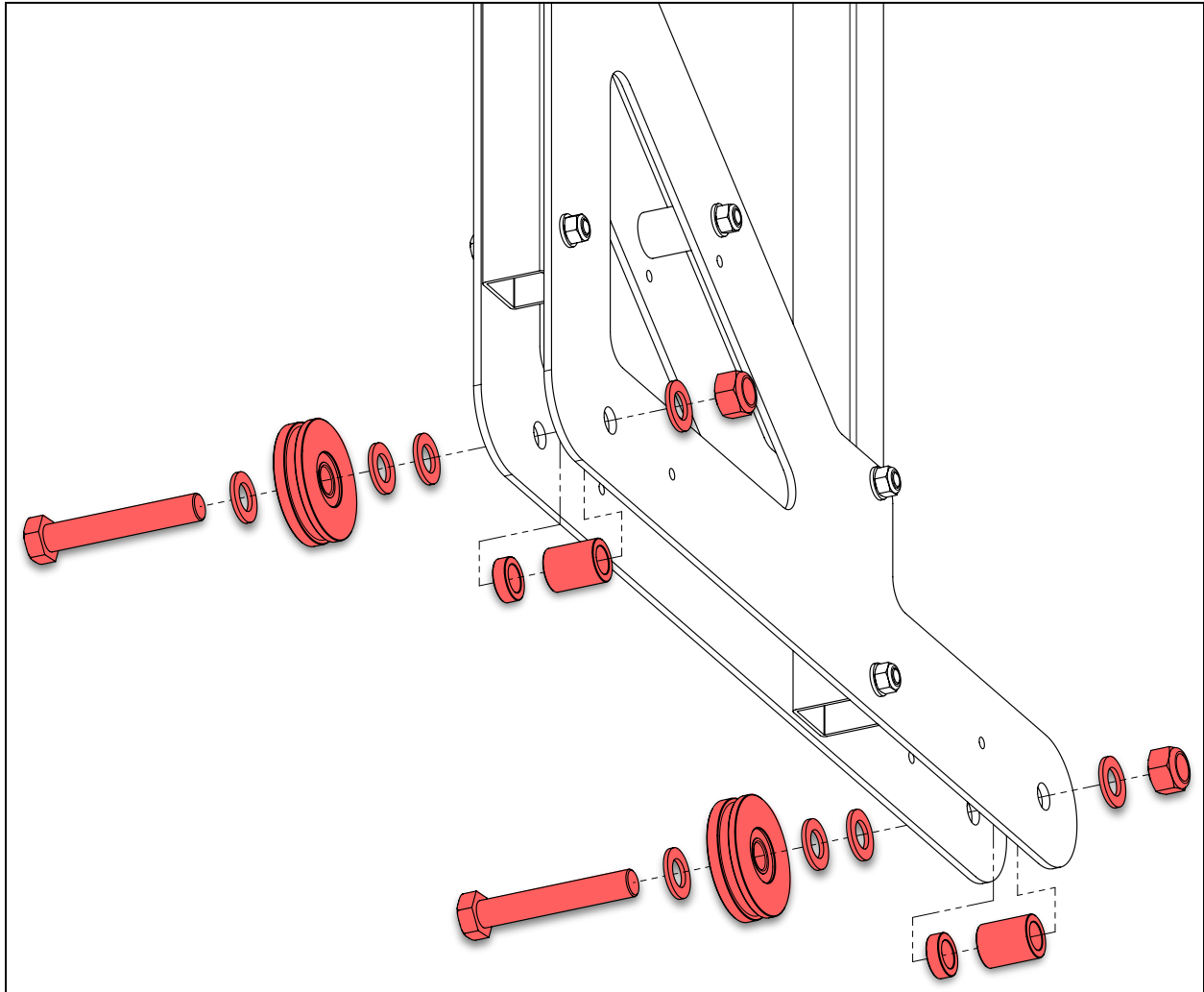


## CARRIAGE WHEELS AND SPACERS

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\*\***

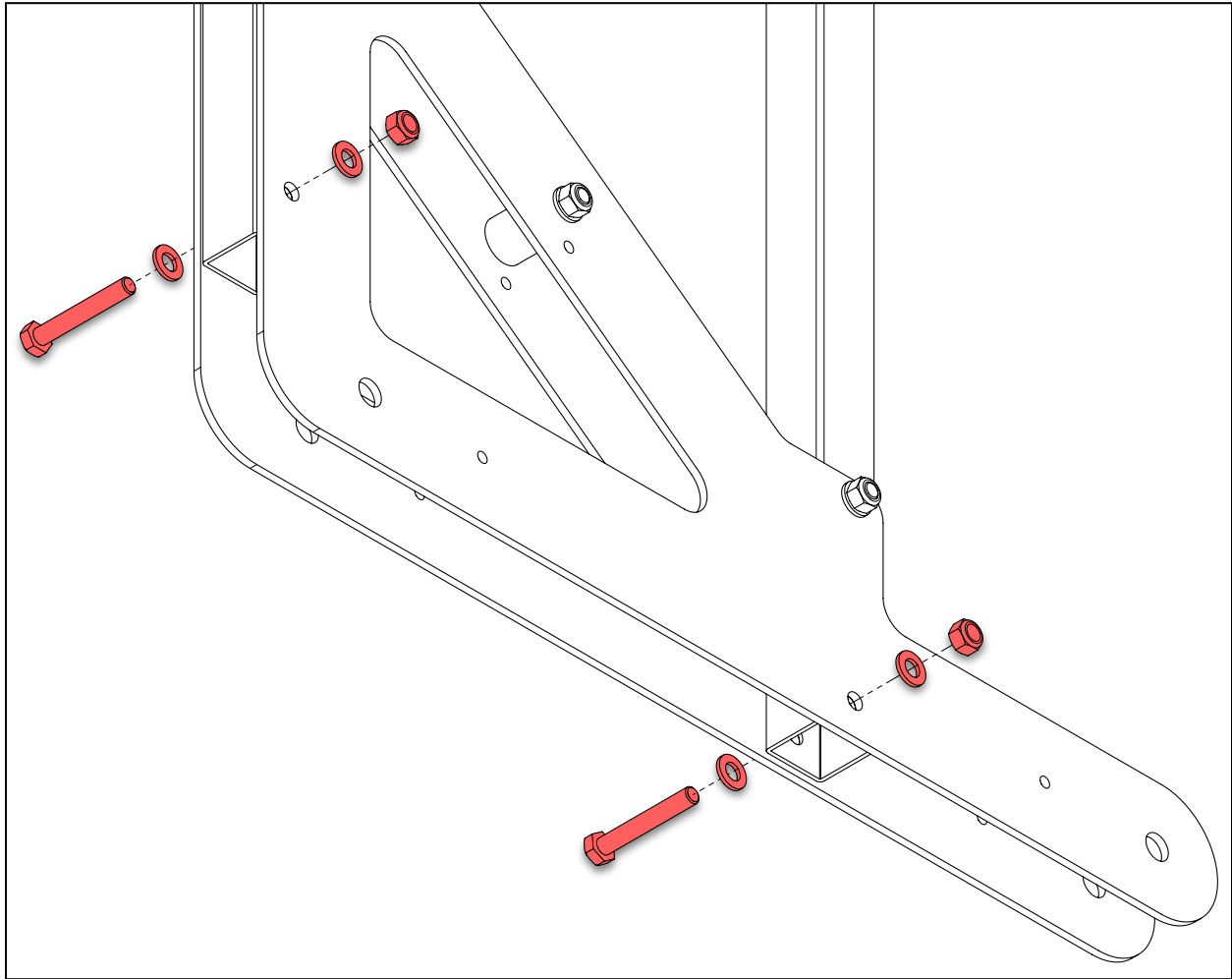


Once the carriage wheels are removed, the carriage will drop down and the inner carriage plate will rest on the setup blocks. See **Page 6** in section, **SETUP BLOCKS**, for more information.

## 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\*\***



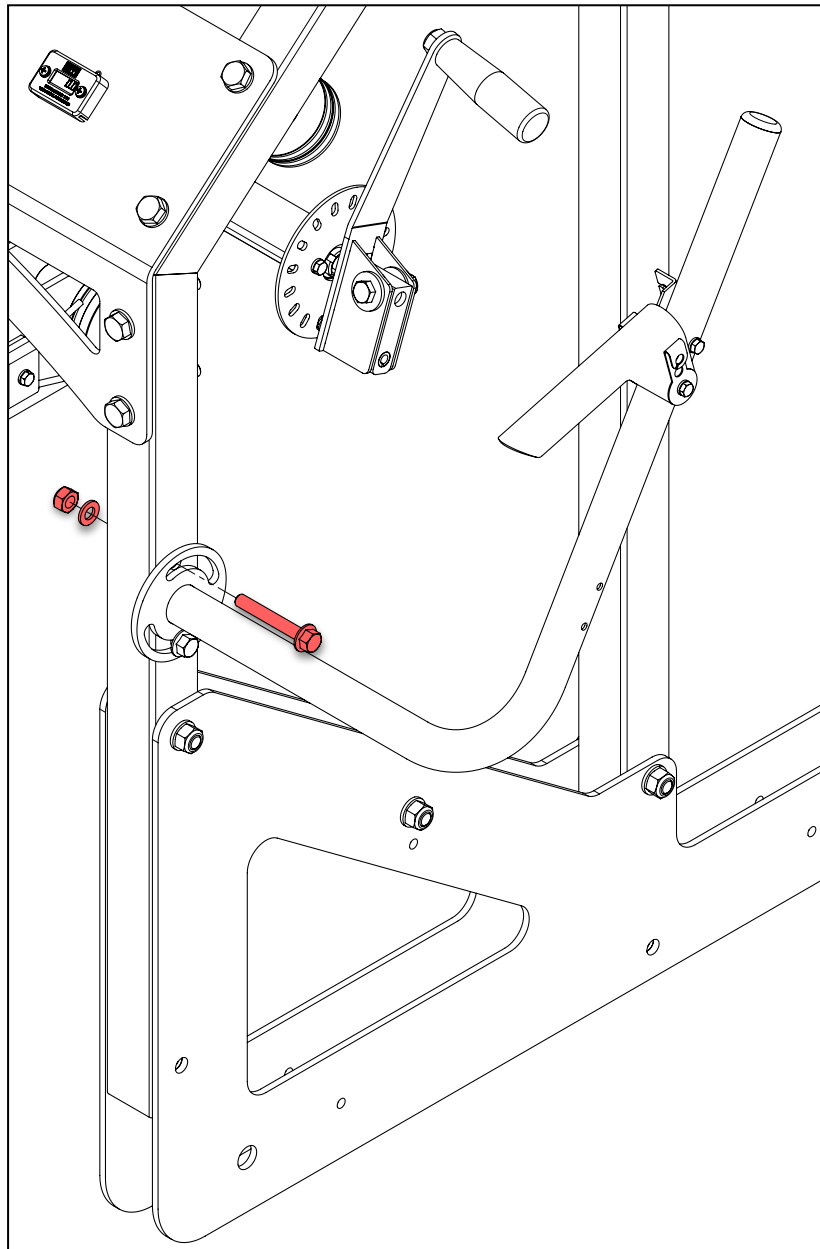
Set one (1) M12 X 80 mm hex bolt, two (2) M12 flat washers, and one (1) M12 lock nut aside to be reused on **Step 4, CHAIN ADJUSTMENT BRACKET.**

## 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.

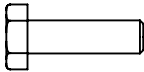
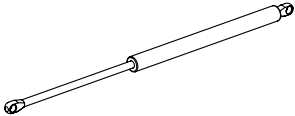

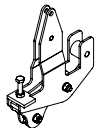
**\*\*Some components removed for clarity\*\***





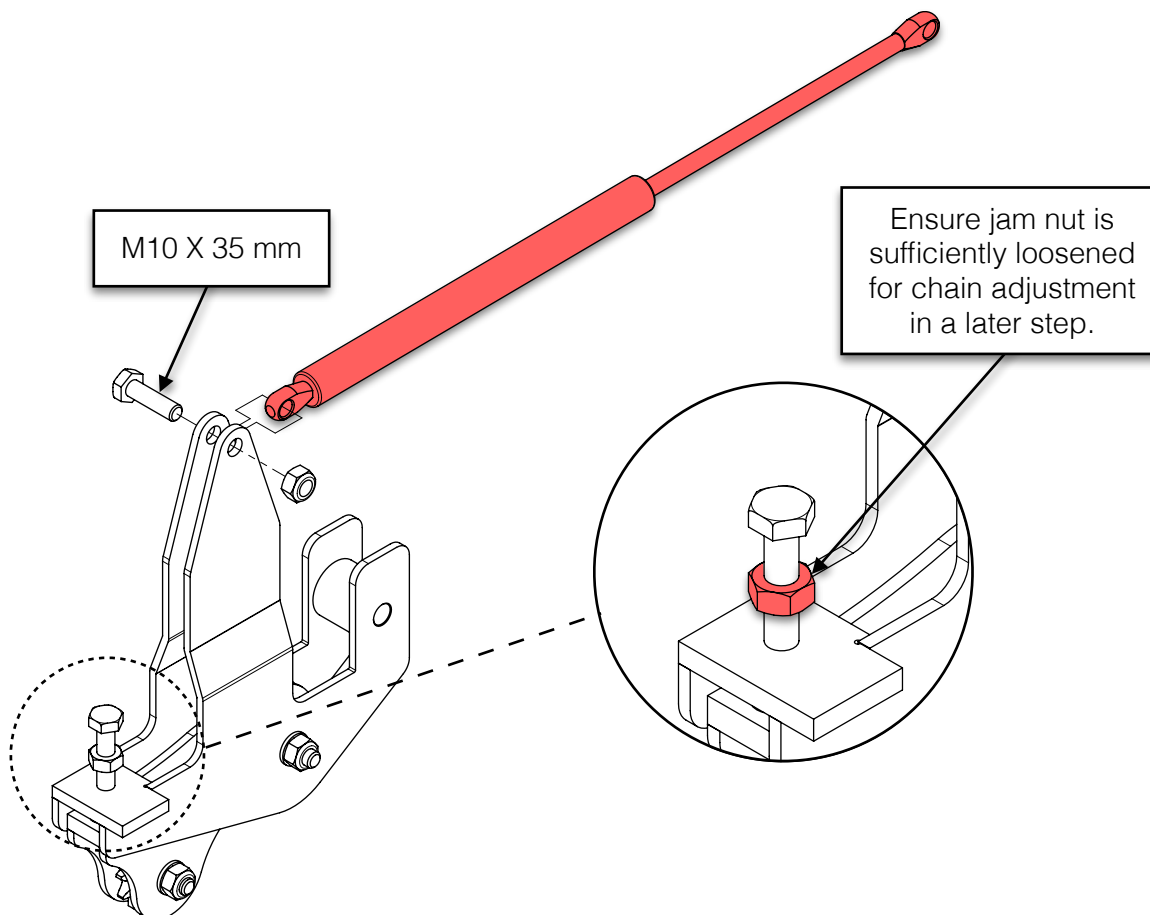
## 4. CHAIN ADJUSTMENT BRACKET

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	

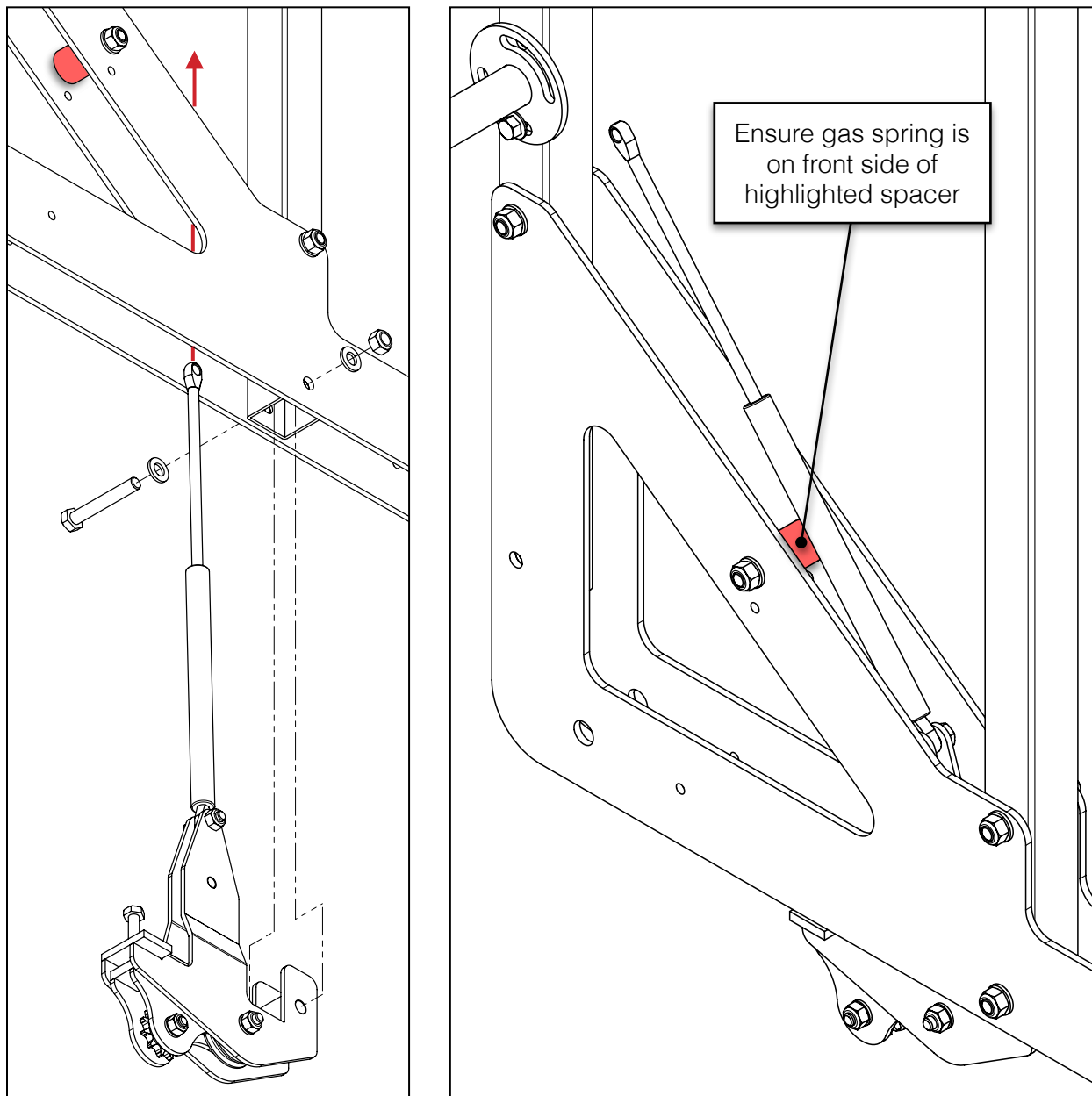
Assemble the gas spring to the chain adjustment bracket using one (1) M10 X 35 hex bolt and one (1) M10 lock nut. Take care not to over-tighten the bolt to ensure the gas spring pivots with ease.

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**.

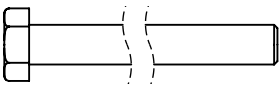
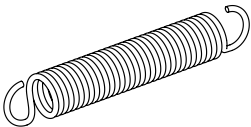
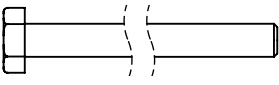
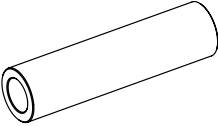
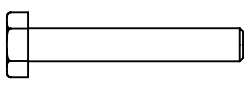
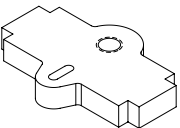

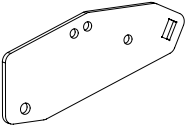

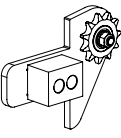



**\*\*Some components removed for clarity\*\***





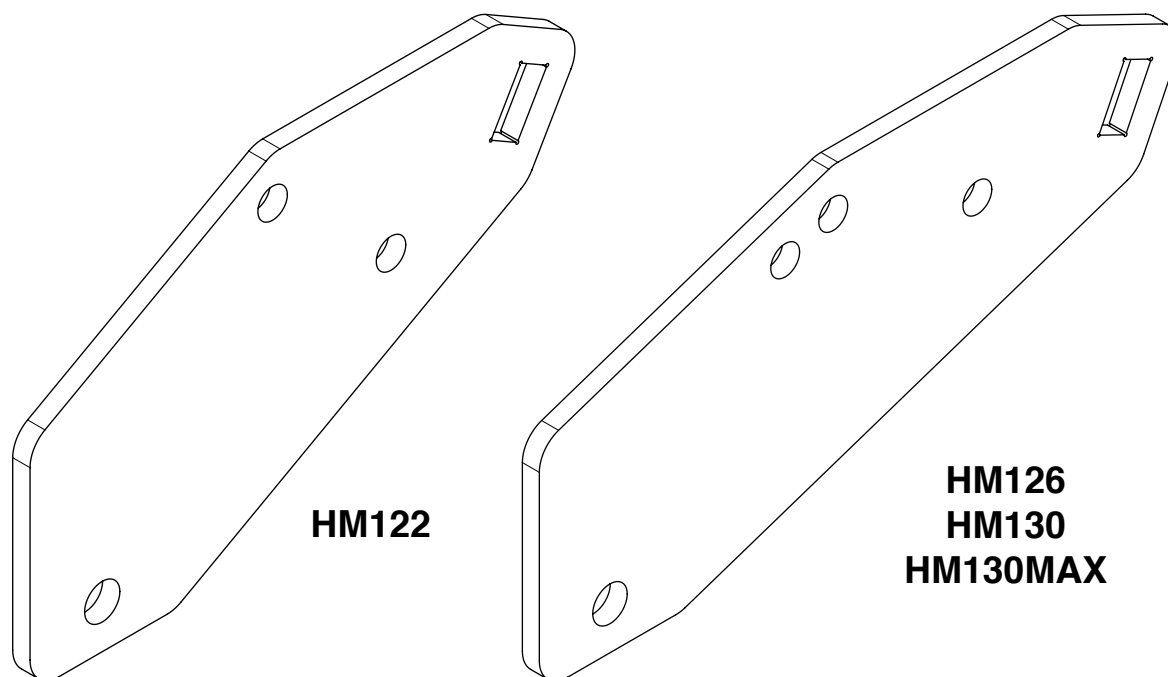
## 5. REAR IDLER & LEVER PLATES

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

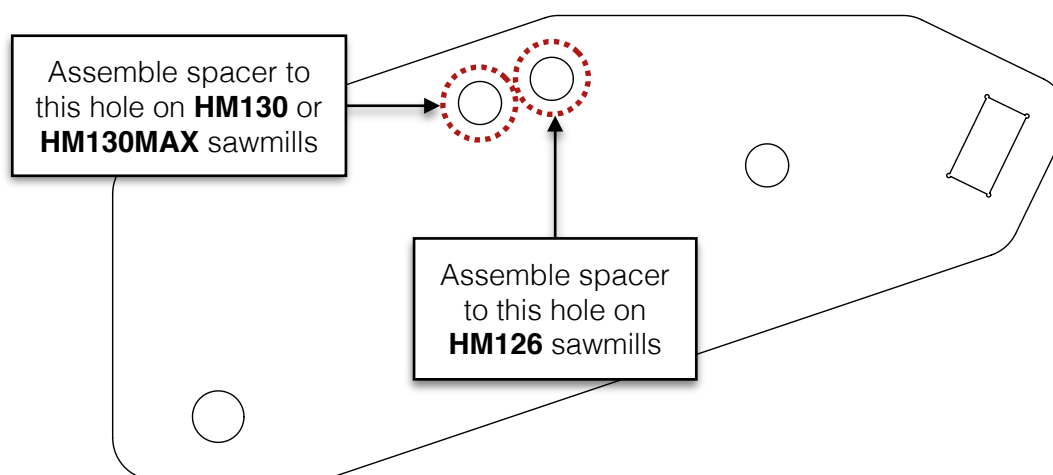
1x	M12 X 100 mm Hex Bolt		1x	Extension Spring	
1x	M10 X 90 mm Hex Bolt		1x	Spacer	
1x	M10 X 65 mm Hex Bolt		1x	Tuning Block	
1x	M12 Lock Nut		2x	Chain Lever Plate	
1x	M10 Lock Nut		1x	Rear Idler	
1x	M10 Thin Hex Nut				
2x	M12 Flat Washer				
2x	M10 Flat Washer				

## 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.

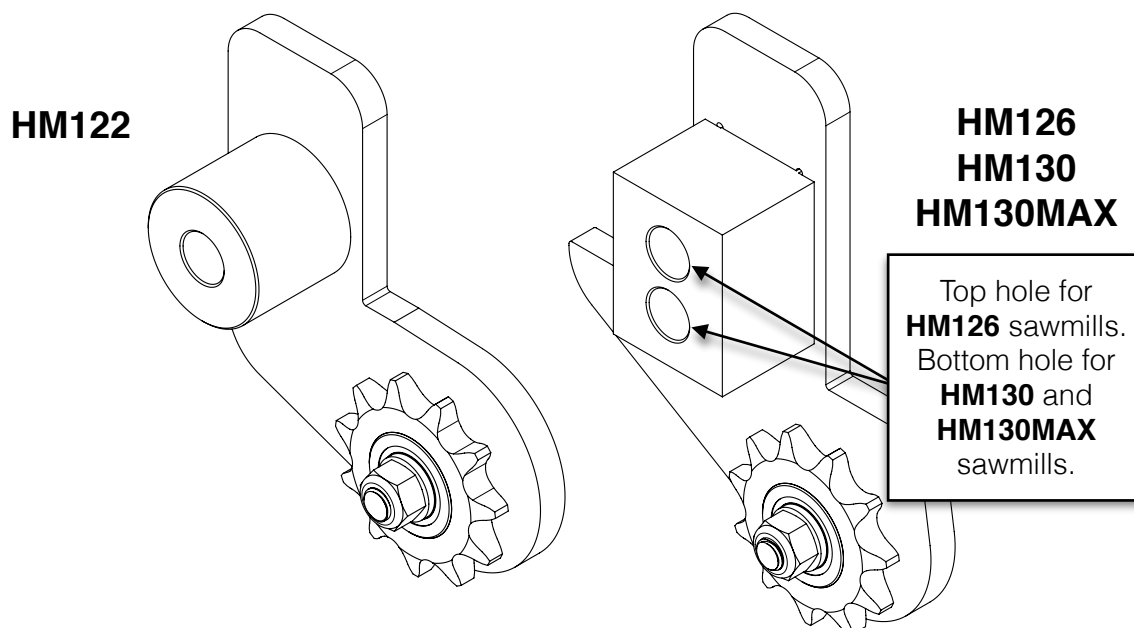


The lever plate for the HM126, HM130, and HM130MAX works with all three (3) sawmill models. Care must be taken to assemble the spacer to the proper hole in the lever plate depending on the model.



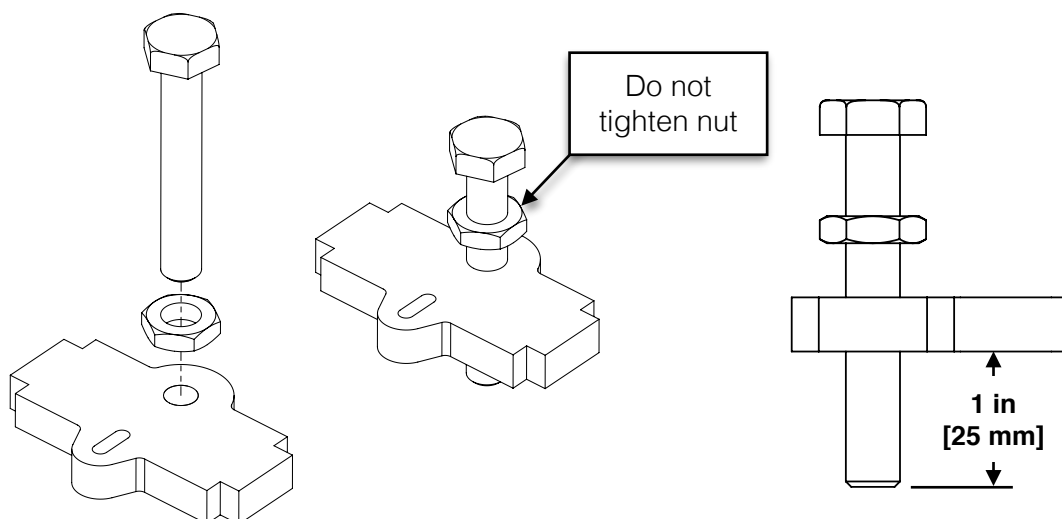
## REAR IDLER

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 approximately 1 in [25 mm] protrudes through but do not tighten the thin nut as the bolt will be adjusted in a later step.



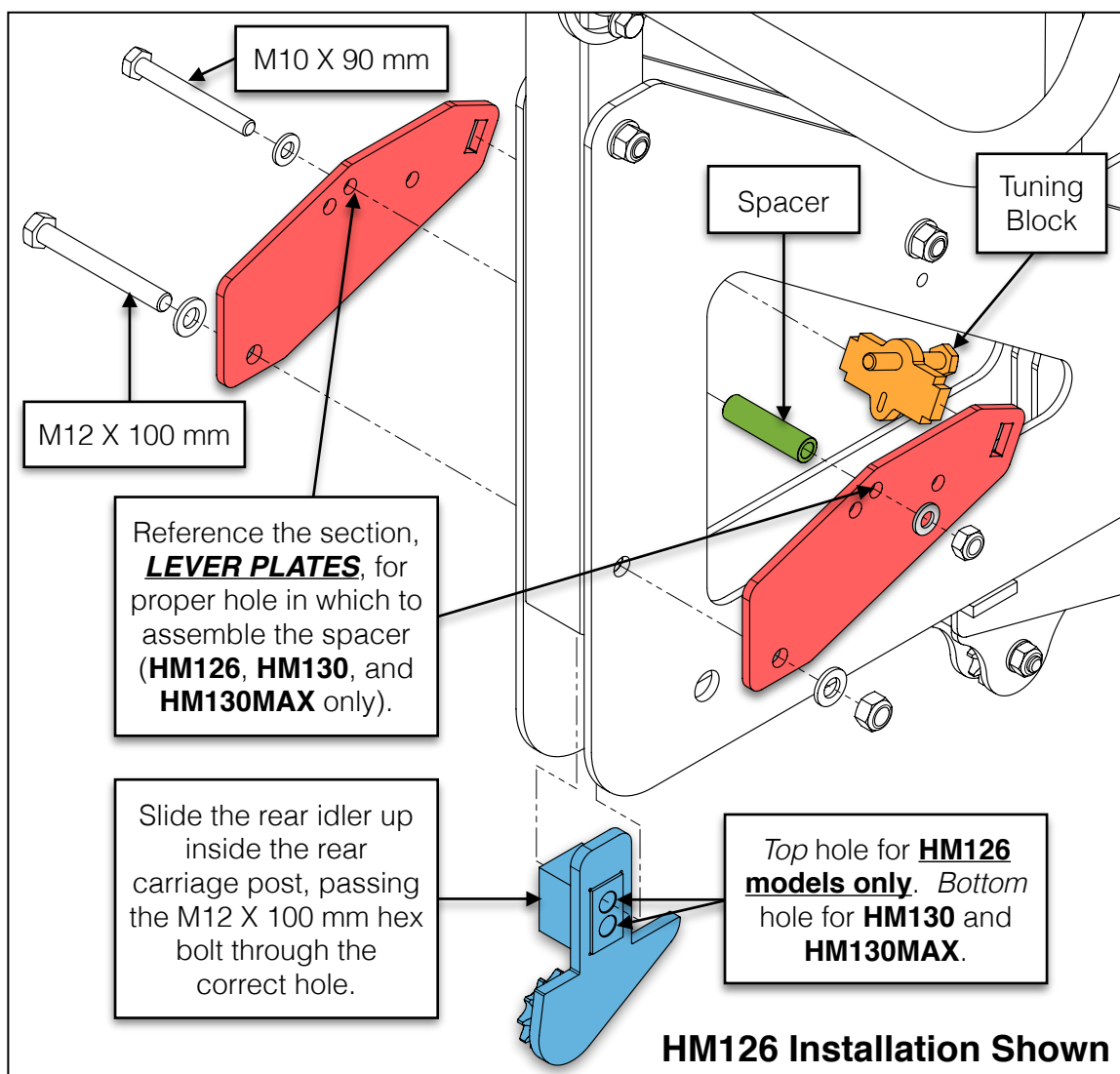
## INSTALLATION

Use the two (2) lever plates to sandwich the tuning block between the sawmill carriage plates. Orient the tuning block so that the tabs seat with the slots on each plate, ensuring the M10 X 65 mm bolt head is towards the front of the sawmill.

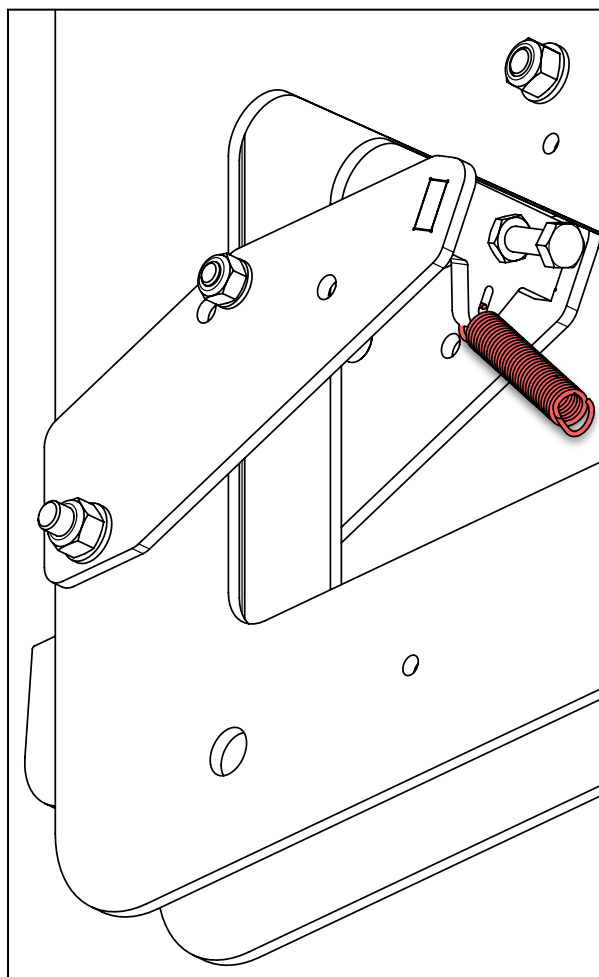
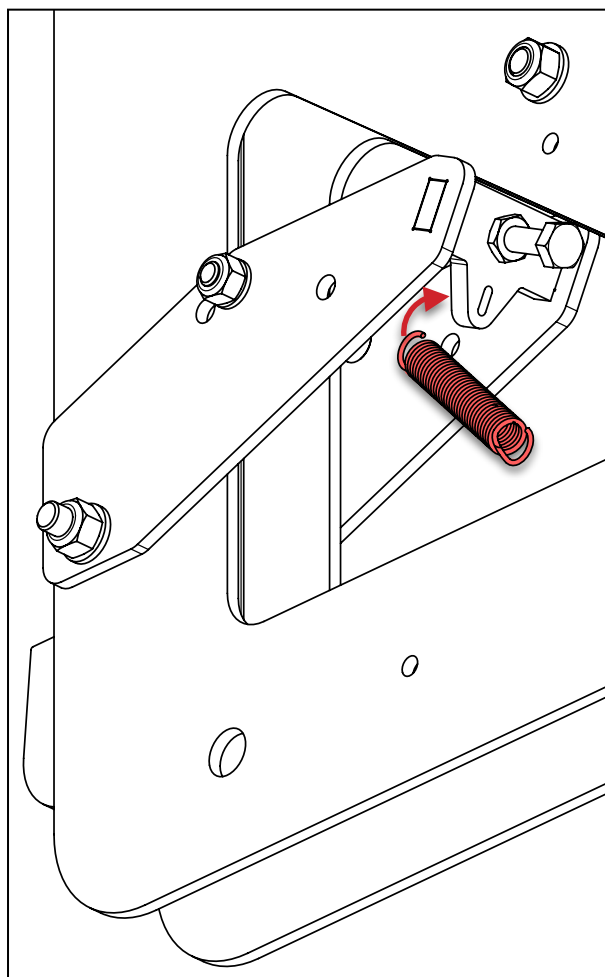
Next, slide the rear idler up into the rear carriage post and secure it with the M12 X 100 mm hex bolt, two (2) M12 flat washers, and one (1) M12 lock nut. Do not fully tighten the hardware.

Next, position the spacer between the lever plates, aligning it with the appropriate holes in the plates (as discussed on **Page 14, LEVER PLATES**). Secure it with the M10 X 90 mm hex bolt, two (2) M10 flat washers, and one (1) M10 lock nut.

Fully tighten all the hardware.

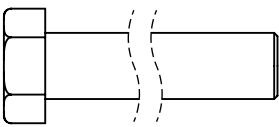
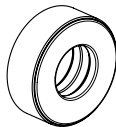
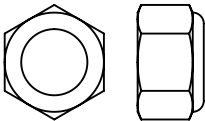
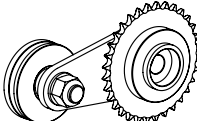
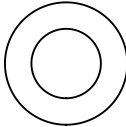


Finally, hook the extension spring onto the slot in the tuning block as shown below and allow the free end to simply hang down.

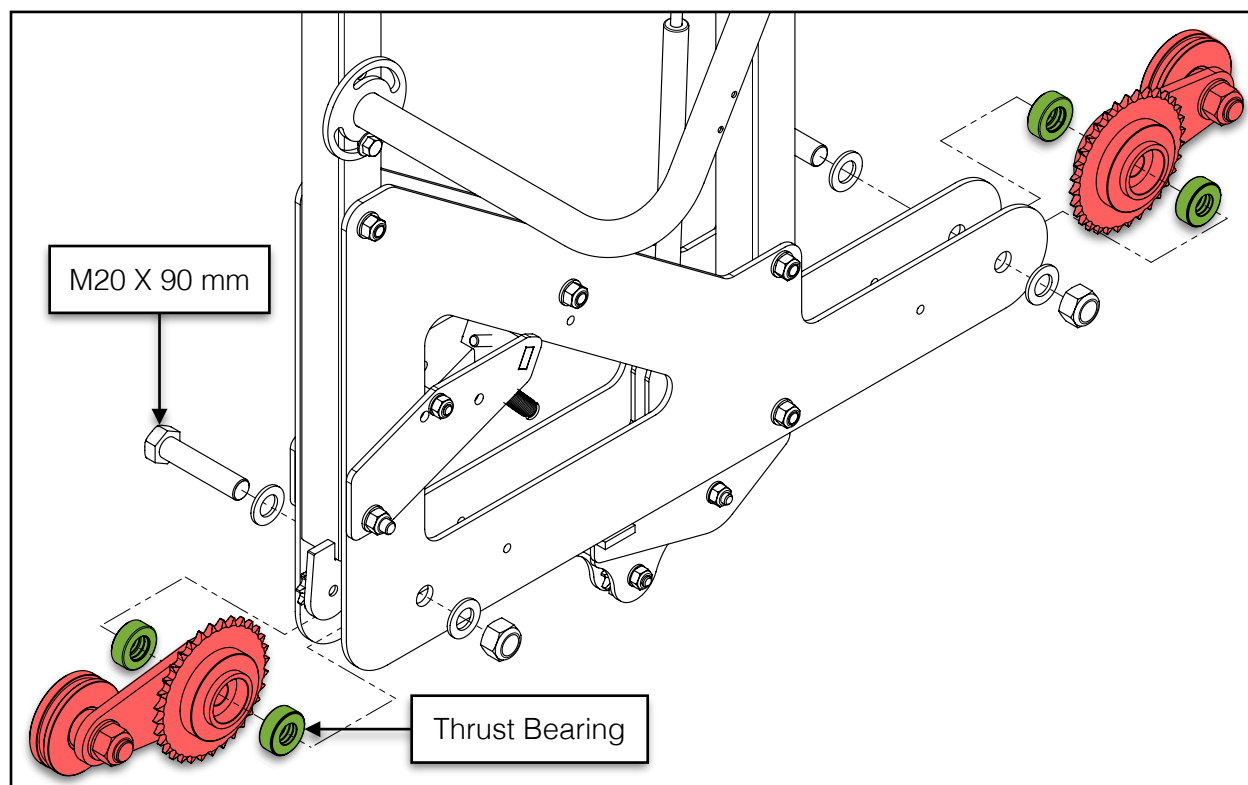


## 6. CARRIAGE WHEEL ARMS

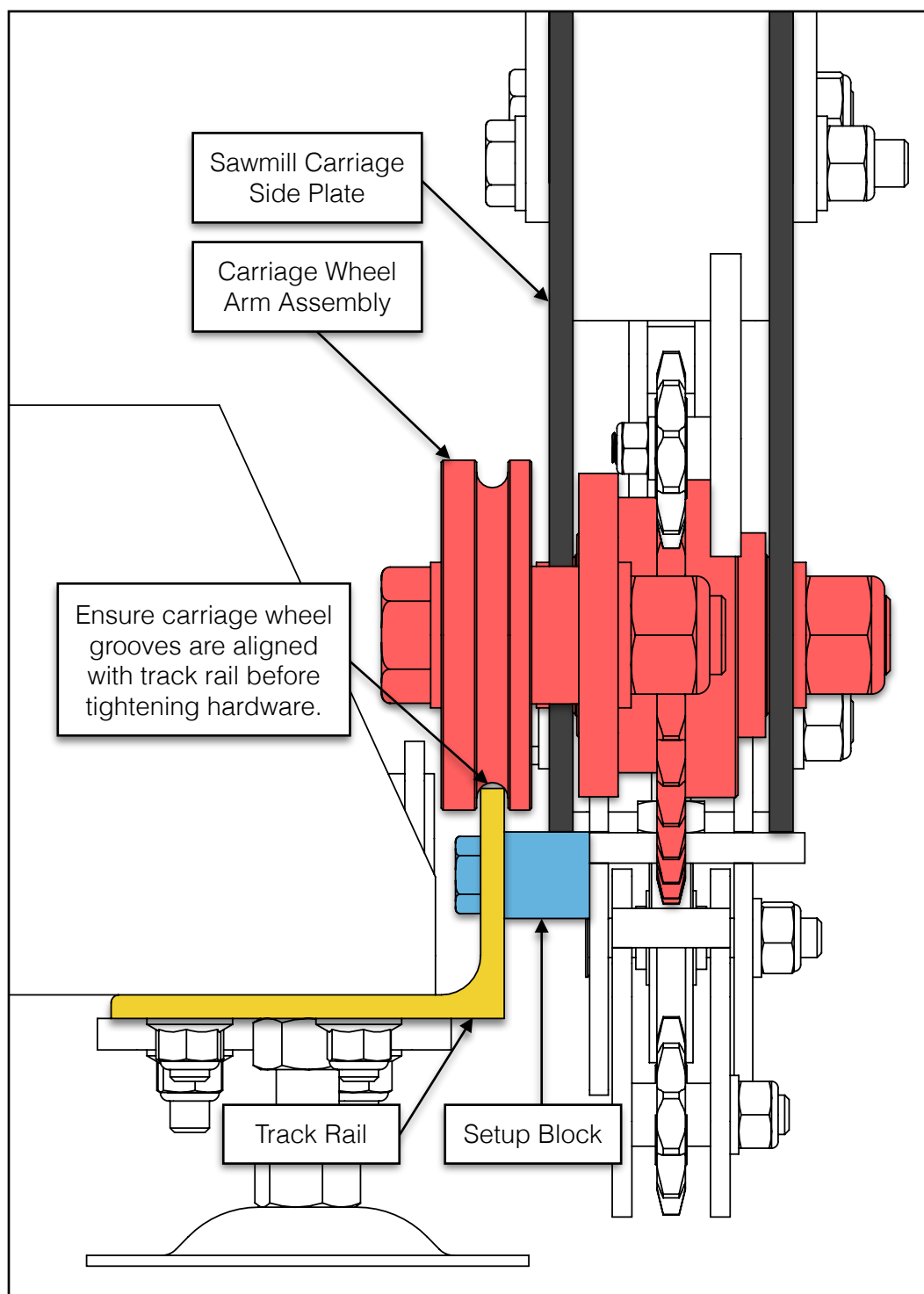
Using the hardware listed below, assemble the carriage wheel arms to the carriage leg.

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.

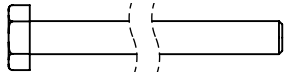
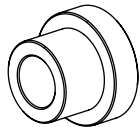

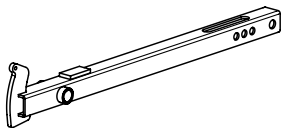





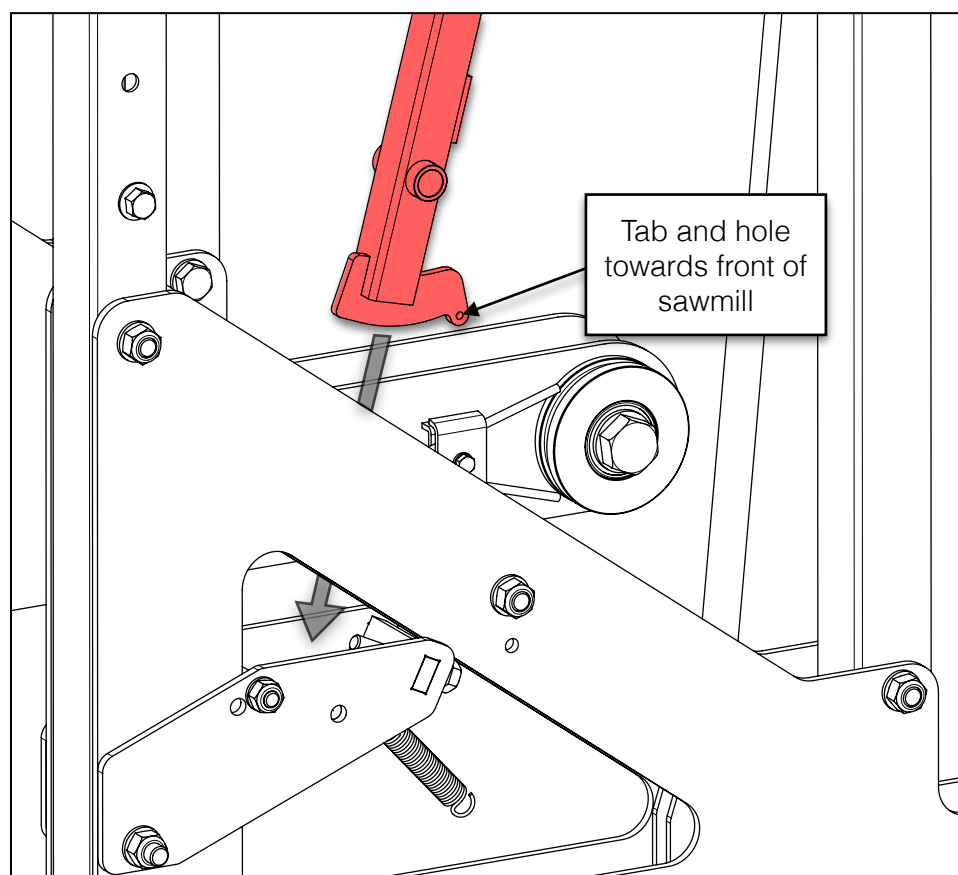


## 7. CHAIN LEVER

Using the hardware listed below, assemble the chain lever to the lever plates.

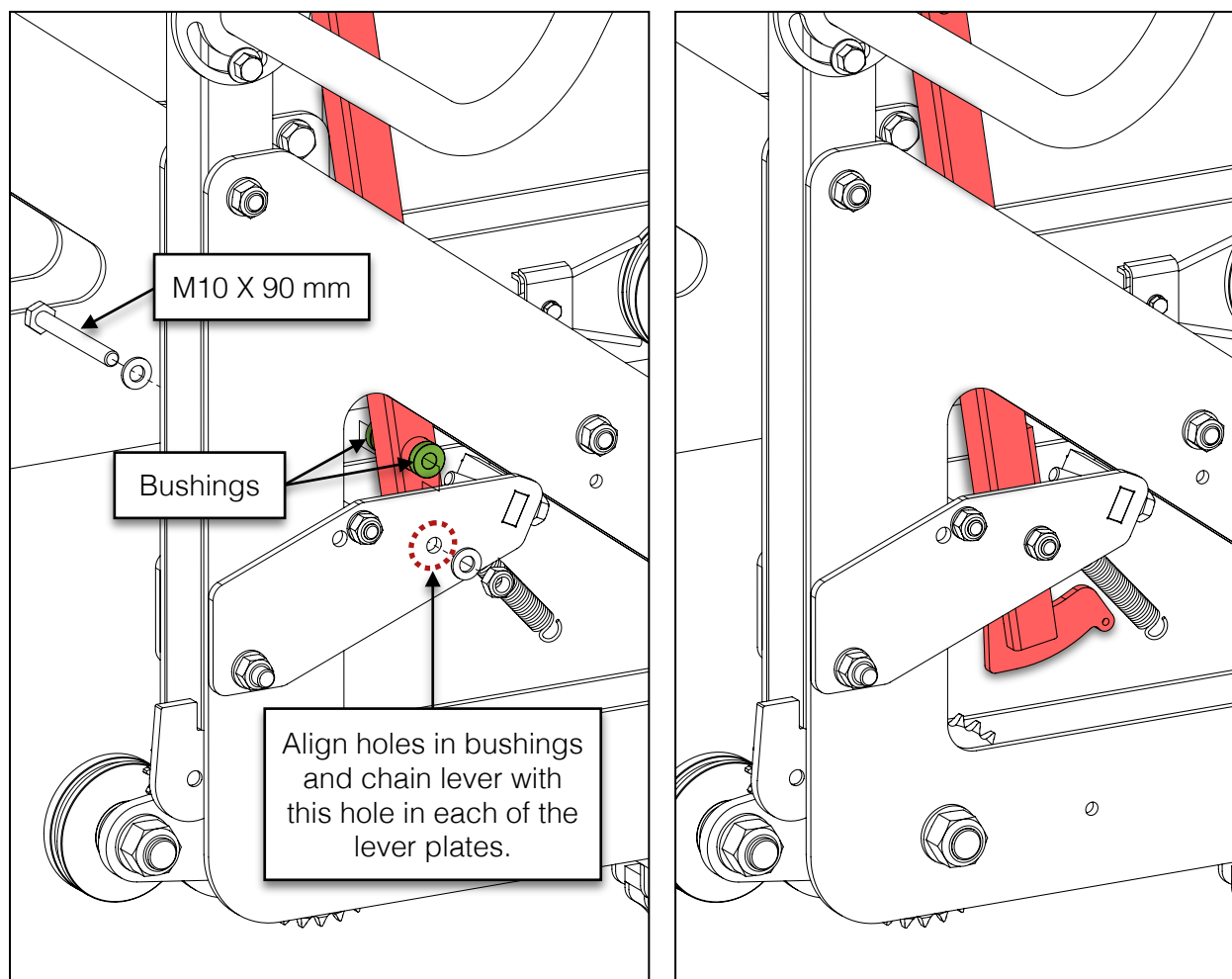
1x	M10 X 90 mm Hex Bolt		2x	Bushing	
1x	M10 Lock Nut		1x	Chain Lever	
2x	M10 Flat Washer				

Slide the chain lever down between the carriage side plates.



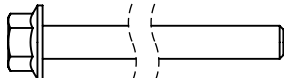
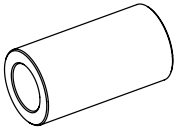

Insert the two (2) bushings into the right and left side of the chain lever before sliding it down past the lever plates.

Secure the chain lever in place using the M10 X 90 mm hex bolt, two (2) M10 flat washers, and the M10 lock nut. Once the hardware is tight the lever should still rock forwards and backwards freely.



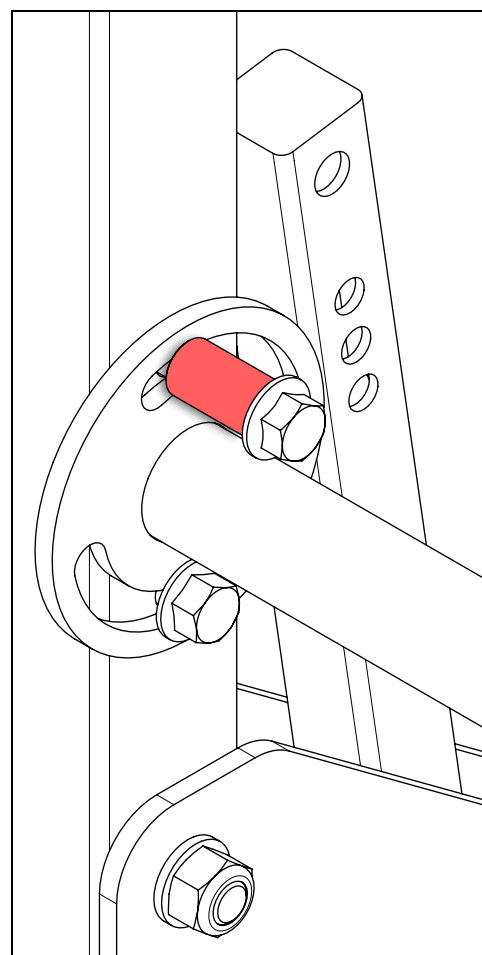
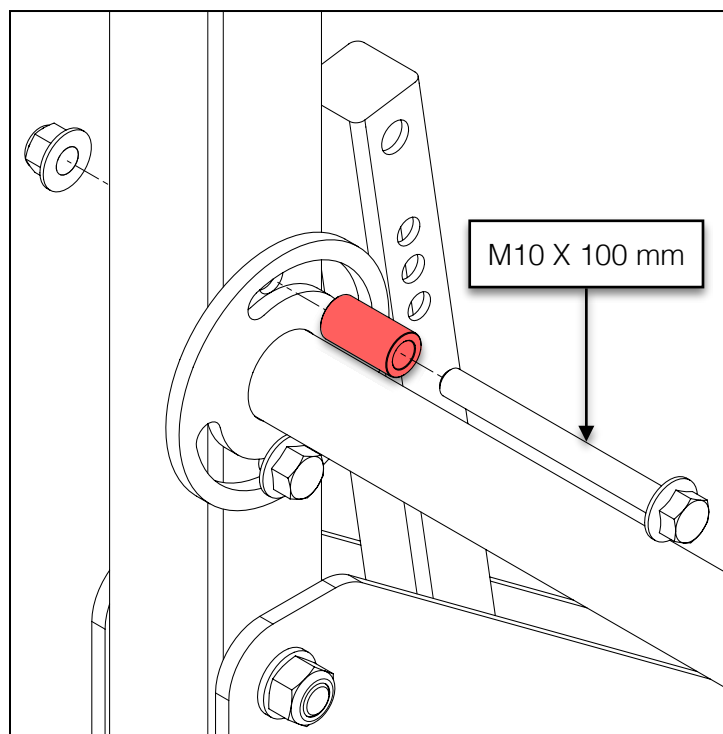
## 8. INDEXING HANDLE SPACER

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				

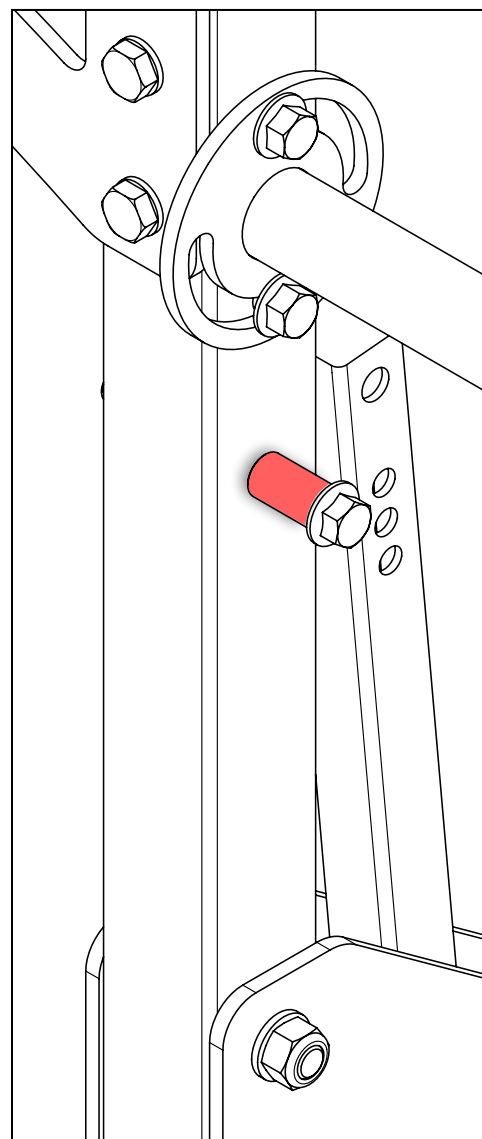
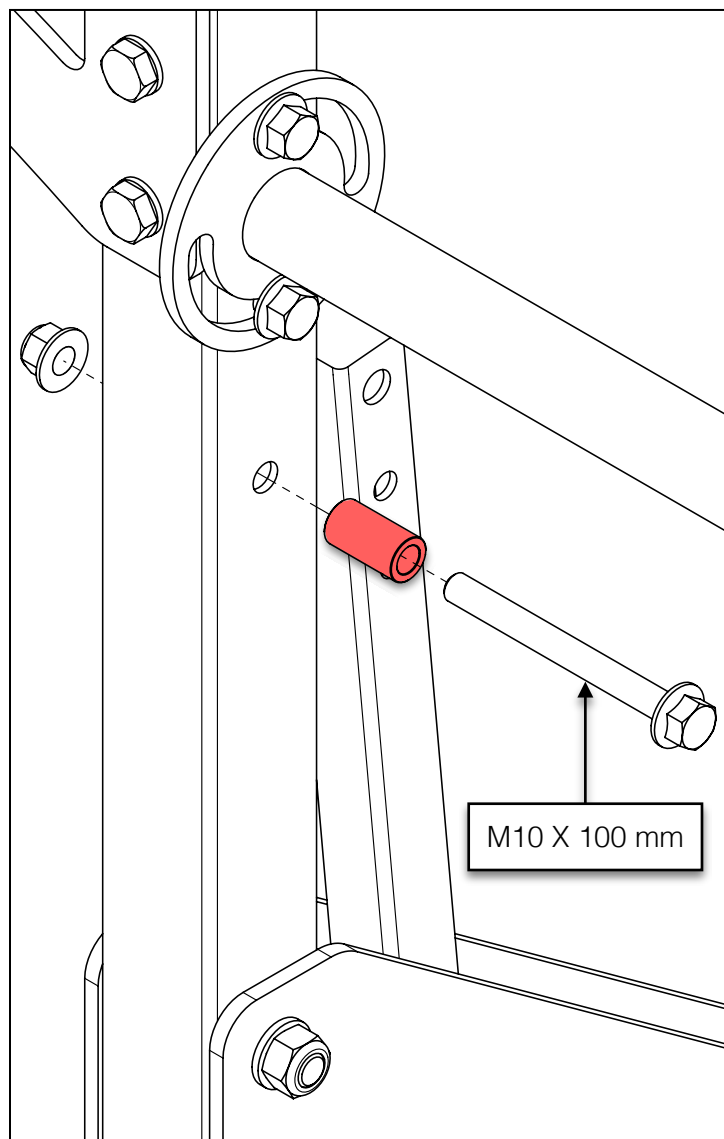
### HM126, HM130 & HM130MAX INSTALLATION

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.



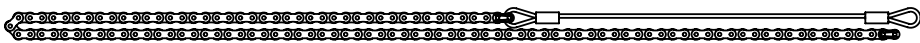
## HM122 INSTALLATION

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.

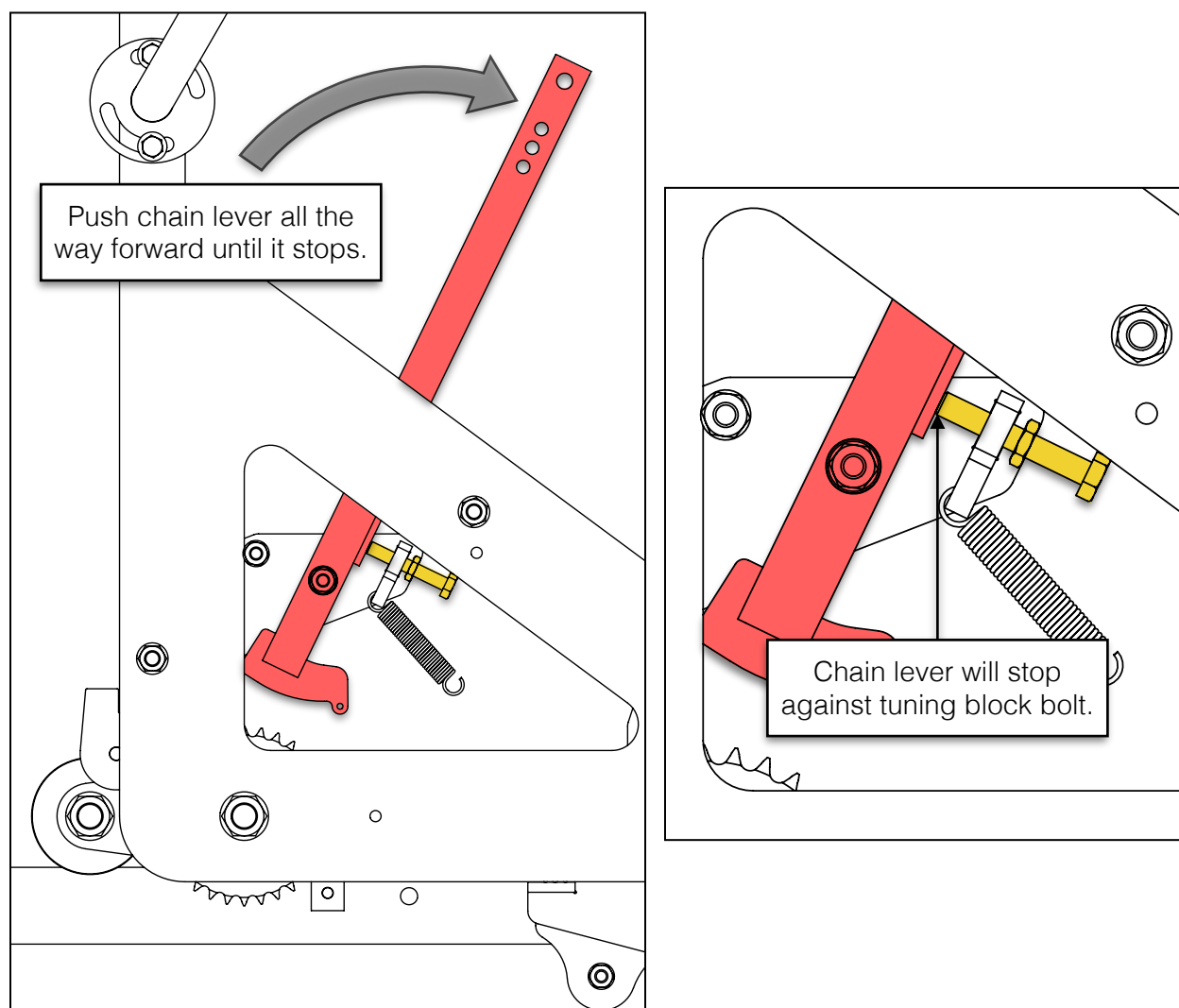


## 9. CABLE CHAIN

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

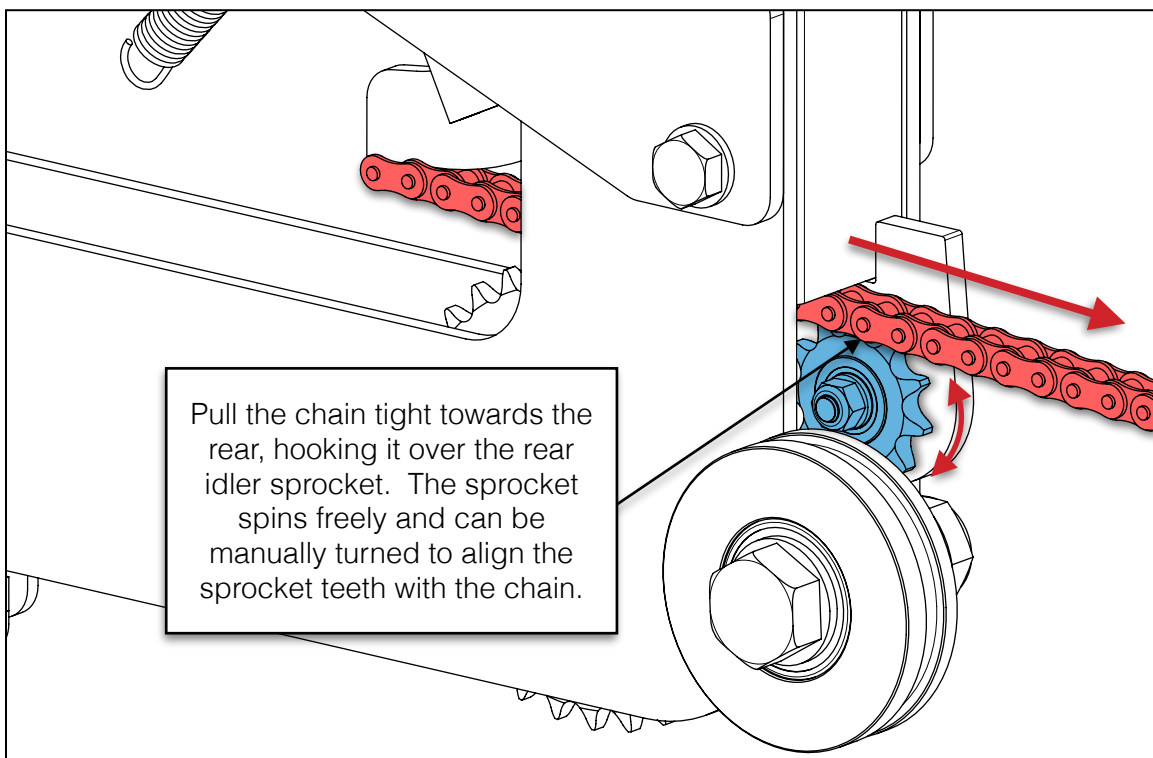
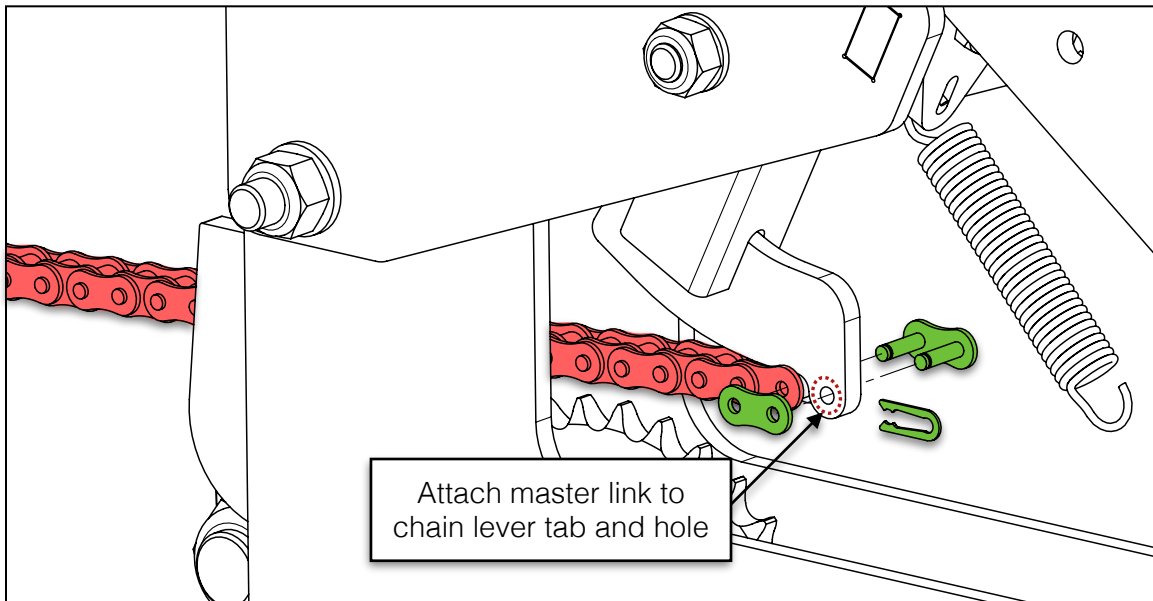
1x	Cable Chain	
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Push the chain lever all the way forward until it stops against the bolt in the tuning block. See section, **TUNING BLOCK**, for tuning block bolt set up.

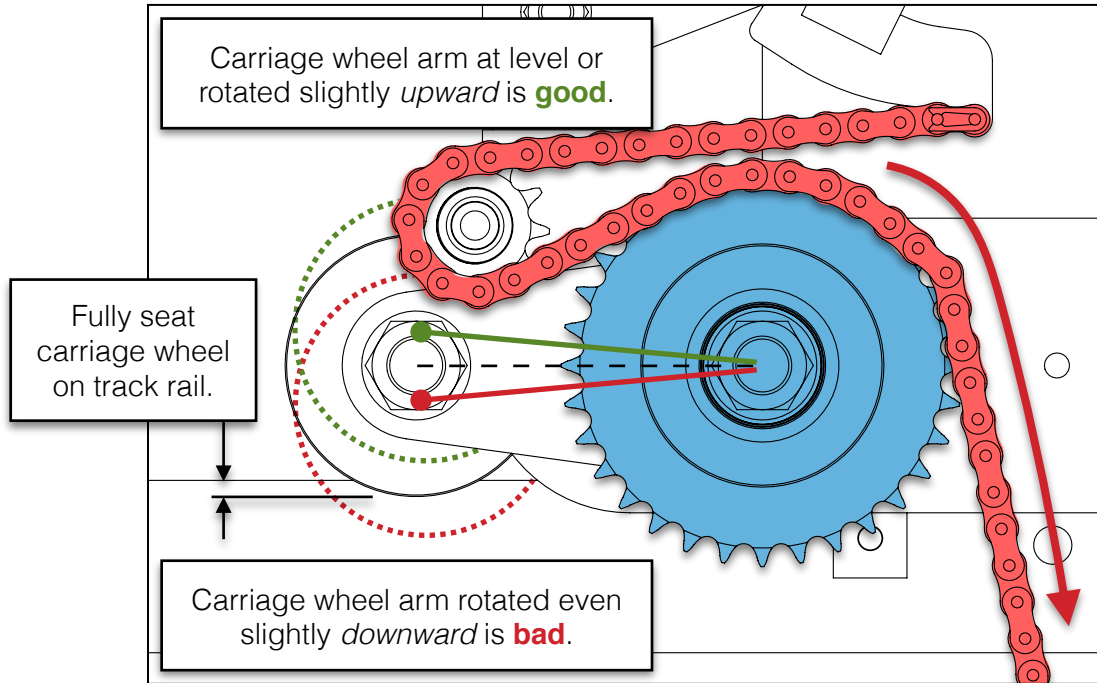


**\*\*Note that several components have been removed from the cable chain routing images throughout this step for clarity.\*\***

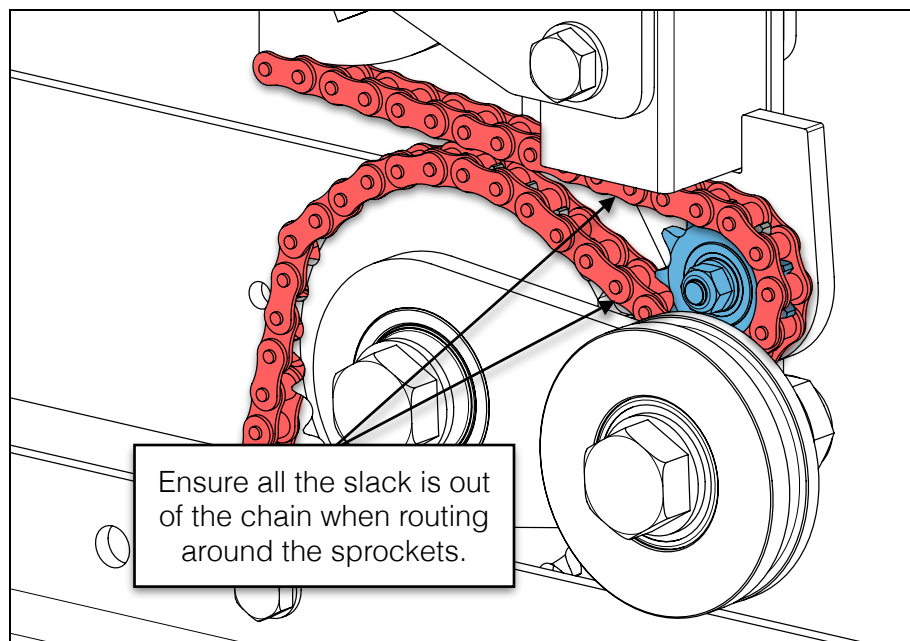
Remove the master link from the open end of the cable chain. Starting from the back of the machine, route the chain between the carriage legs and over top of the rear idler sprocket. Connect the chain to the bottom of the chain lever with the master link as shown below.



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.

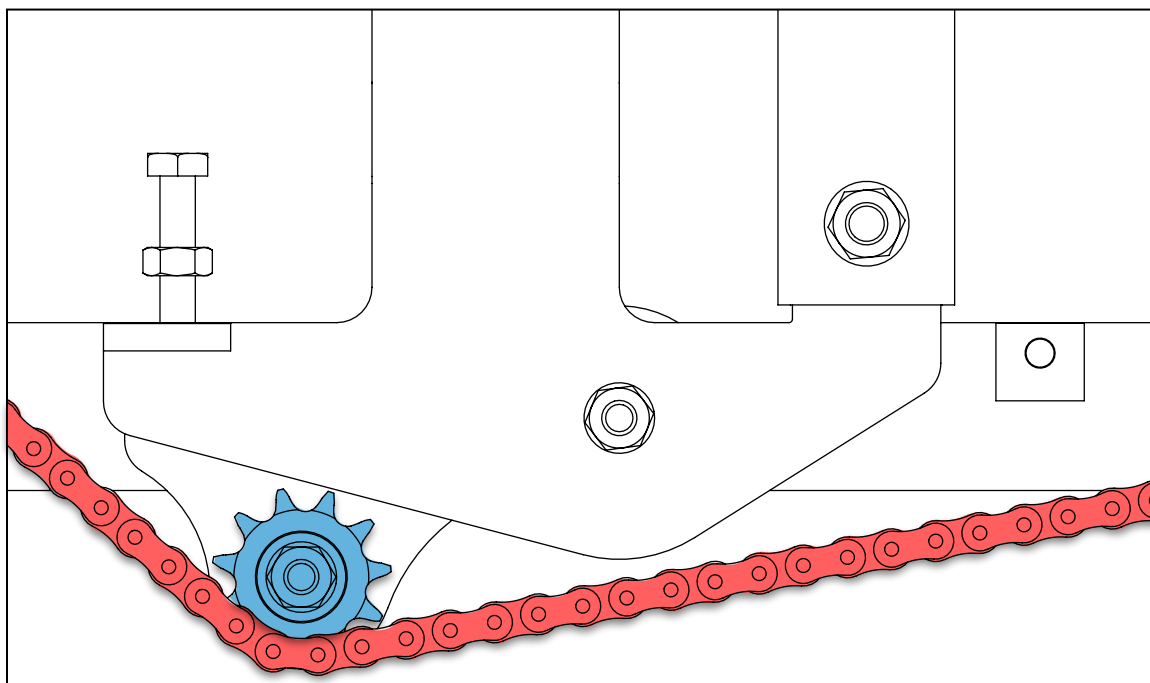


If the arm is rotated even slightly downward, remove the chain from the arm sprocket, rotate the arm until it is level or pointing just slightly upward, and then reset the chain.

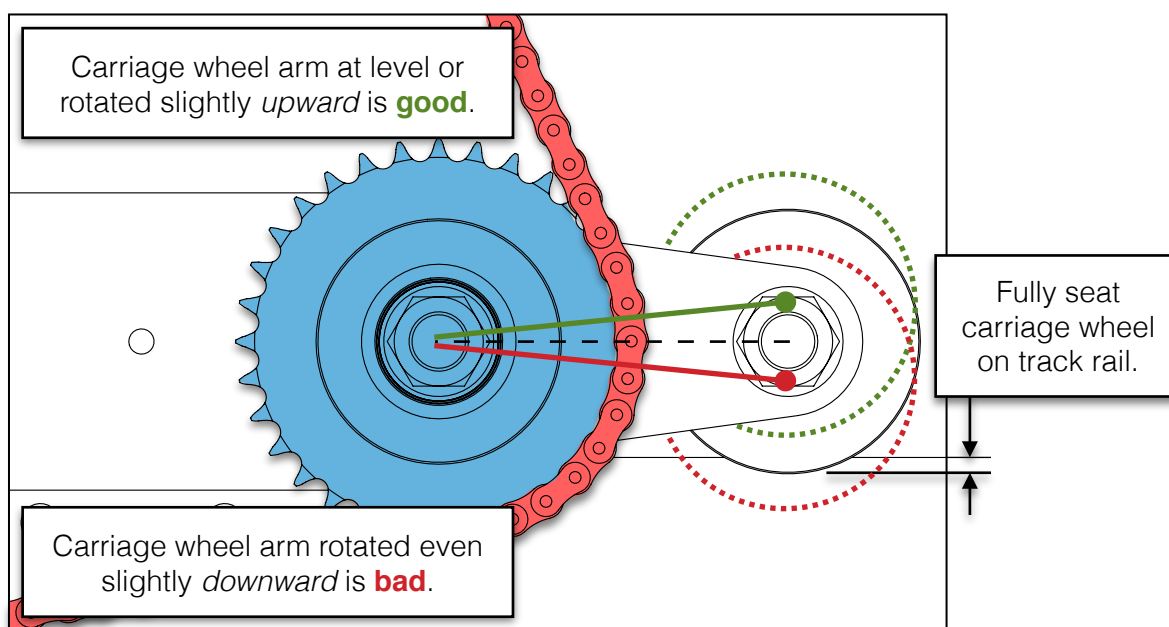




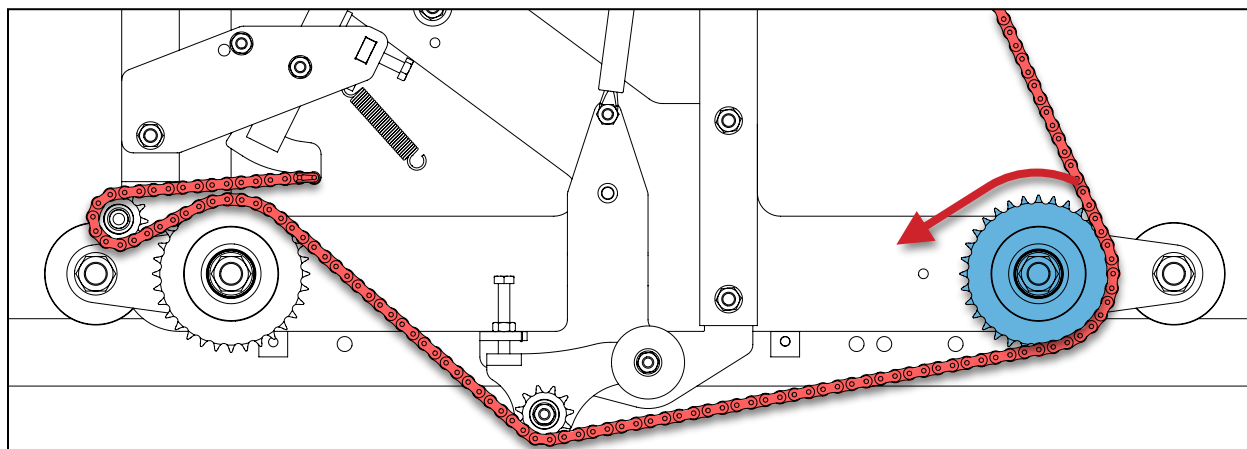
Continue to route the chain under the lower sprocket and then around the outside of the front carriage wheel arm, ensuring as much slack is out of the chain as possible.



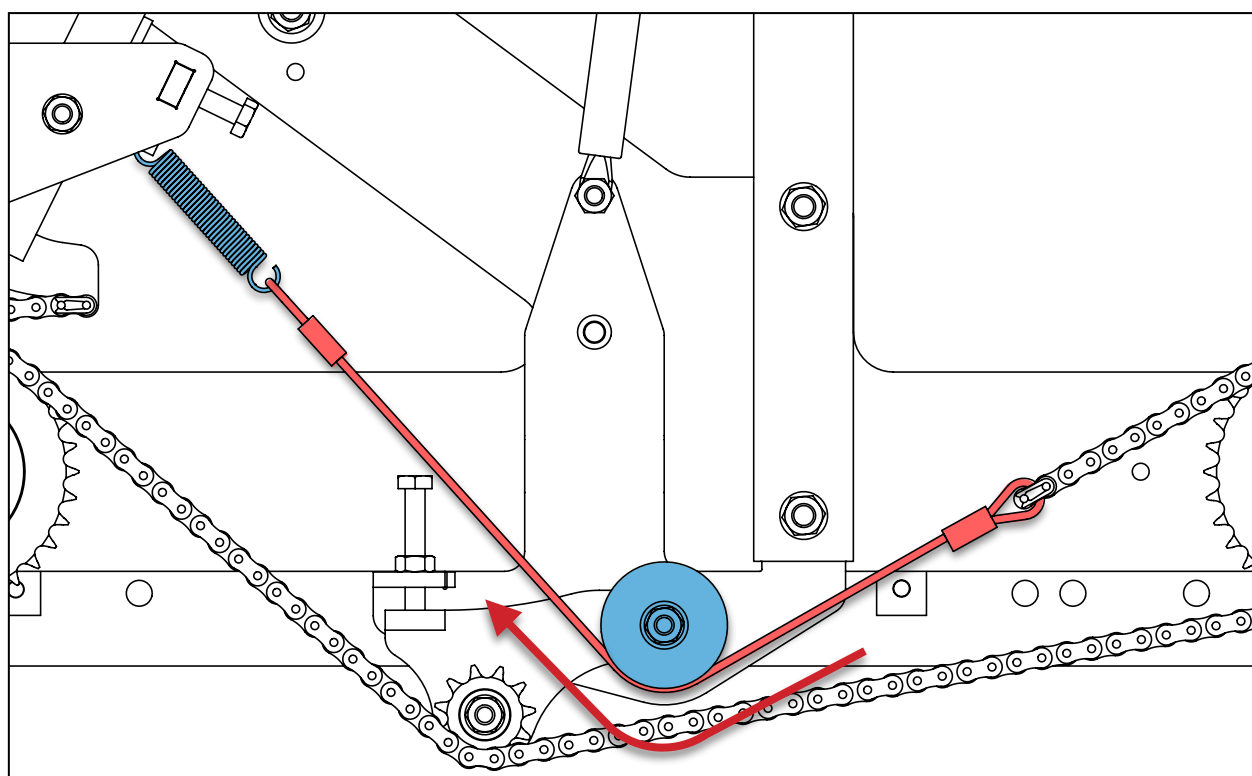
Like the rear carriage wheel, the groove in the front carriage wheel must also be seated down on the track rail as far as it will go. If the arm is rotated even slightly downward, remove the chain from the arm sprocket, rotate the arm until it is level or pointing just slightly upward, and then reset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



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

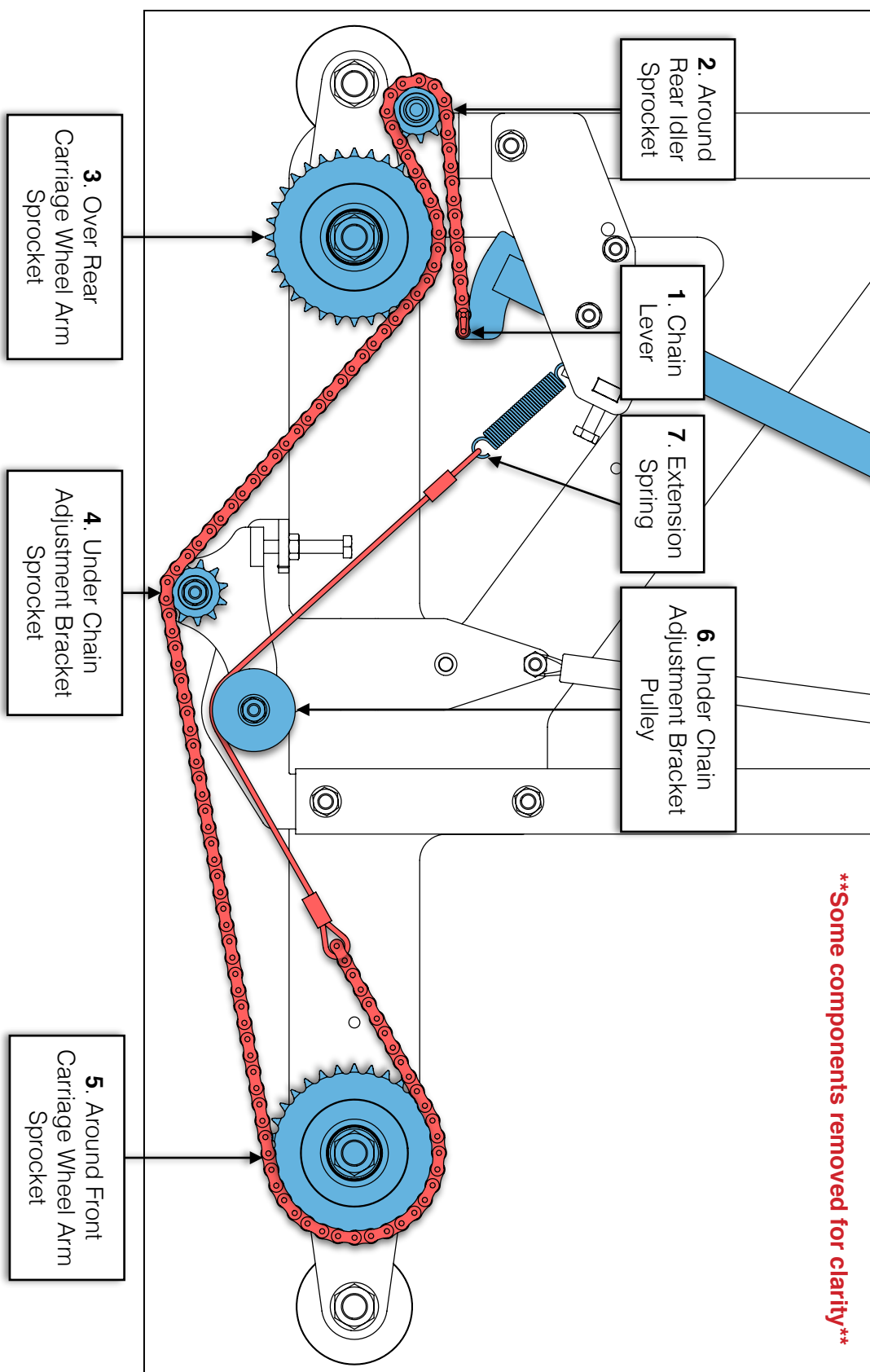


Now route the cable portion of the cable chain under the chain adjustment bracket pulley and hook the open loop end on the extension spring.



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

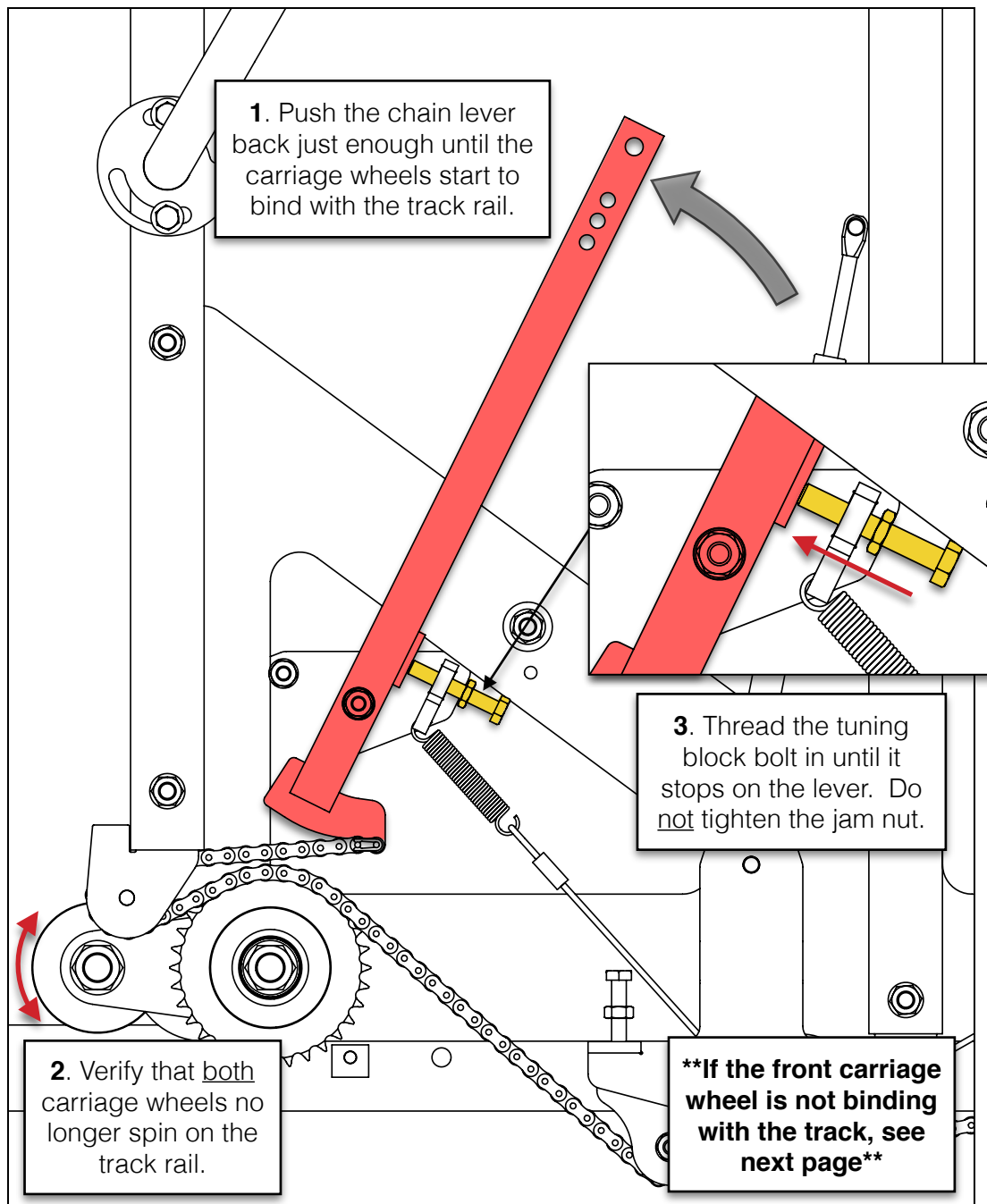
## Cable Chain Routing Overview



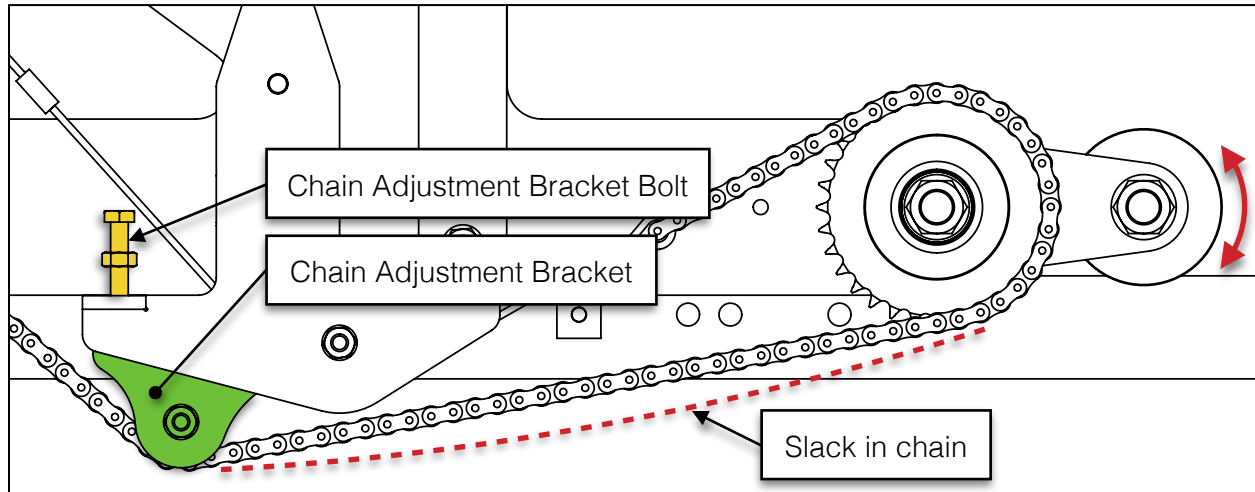
## CARRIAGE WHEEL ADJUSTMENT

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.

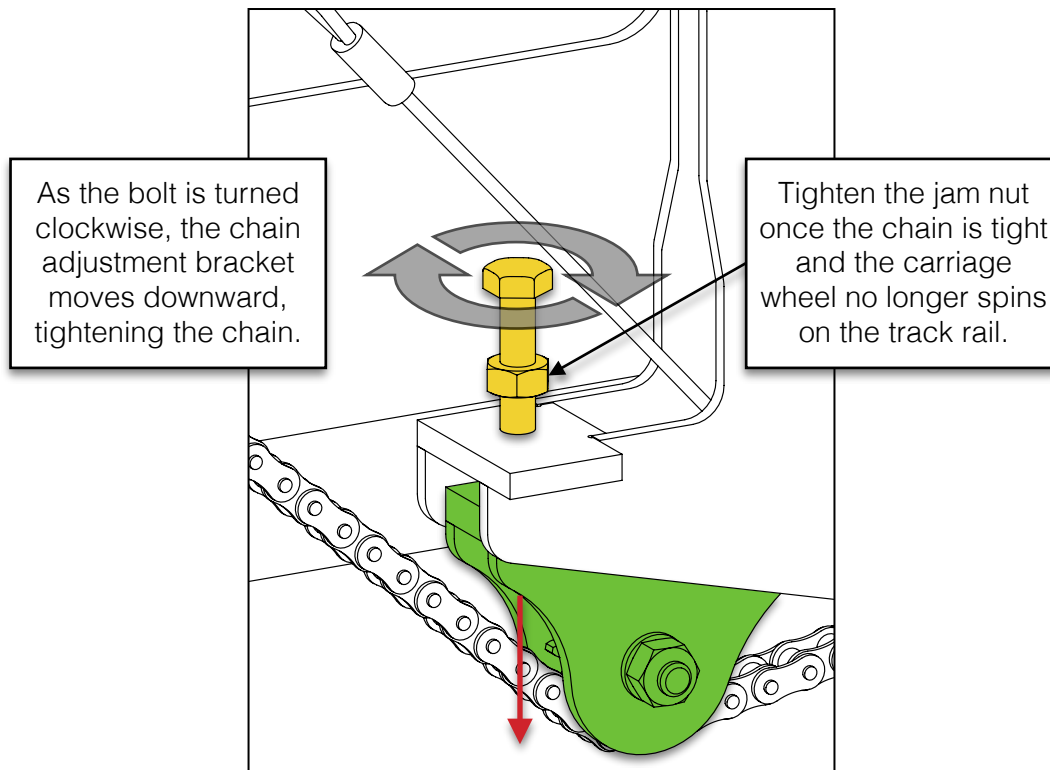
Thread the tuning block bolt in until it stops at the chain lever. Do not tighten the jam nut as further adjustment to this bolt will be necessary.



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.



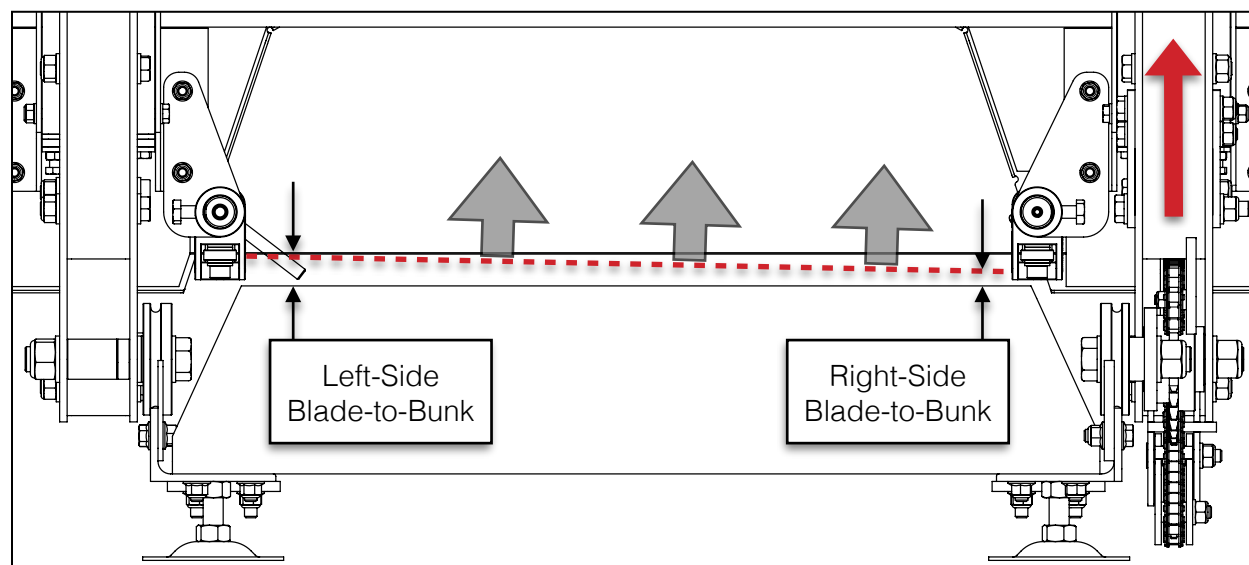
Tighten the chain adjustment bracket bolt by turning it clockwise until the slack is taken up and the carriage wheel binds with the track rail.



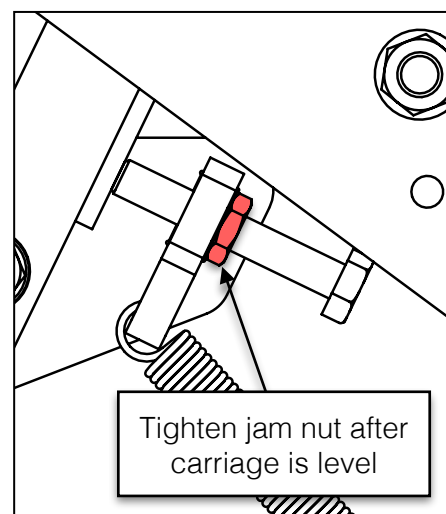
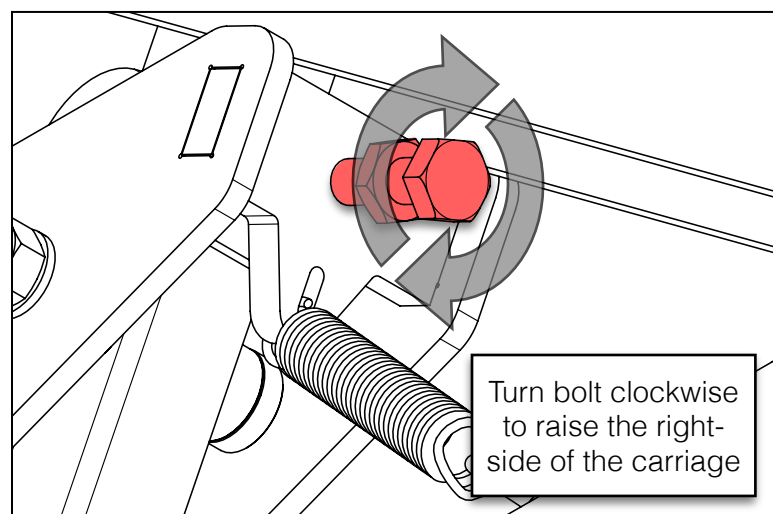
## LEVELLING THE CARRIAGE

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.

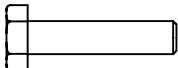




Turn the tuning block bolt clockwise to raise the sawhead until it is level. Once level, tighten the jam nut.

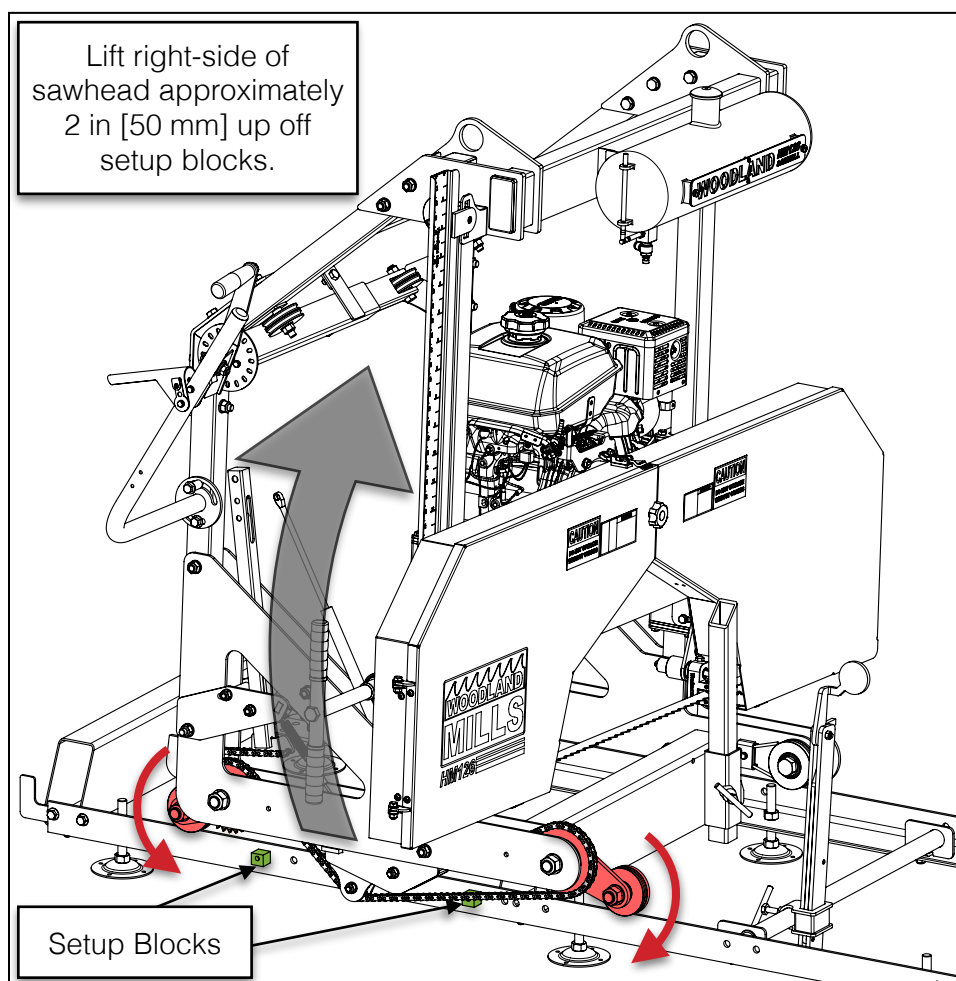


## 10. GAS SPRING

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

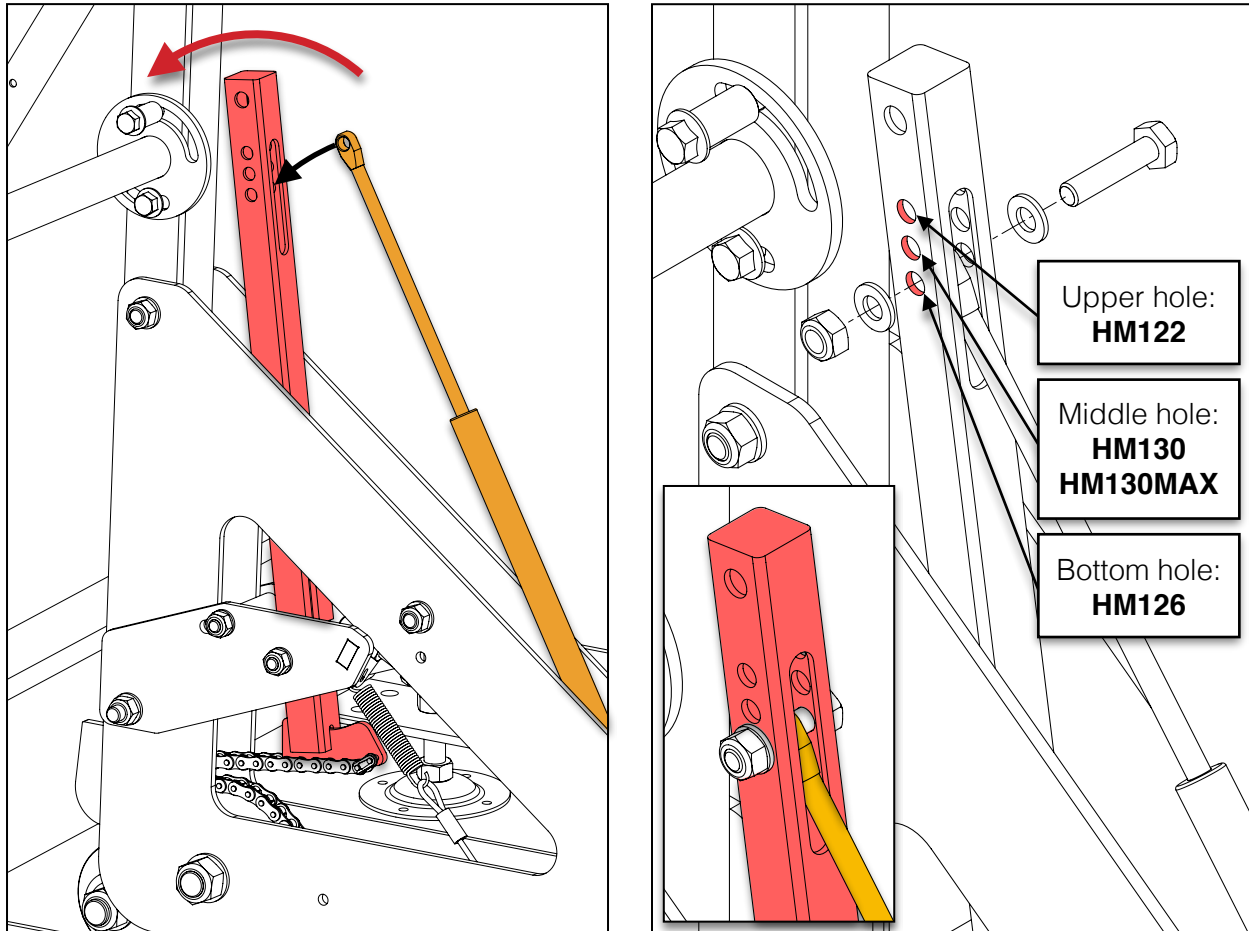
1x	M10 X 45 mm Hex Bolt		2x	M10 Flat Washer	
1x	M10 Lock Nut				

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.

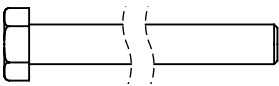
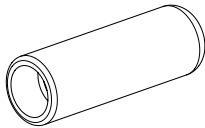
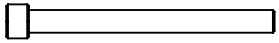
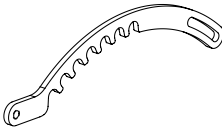

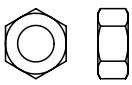

Once the nut is loosely threaded on the bolt, lower the sawhead carriage back down and the gas spring will compress under the weight of the sawhead. Fully tighten the hardware.

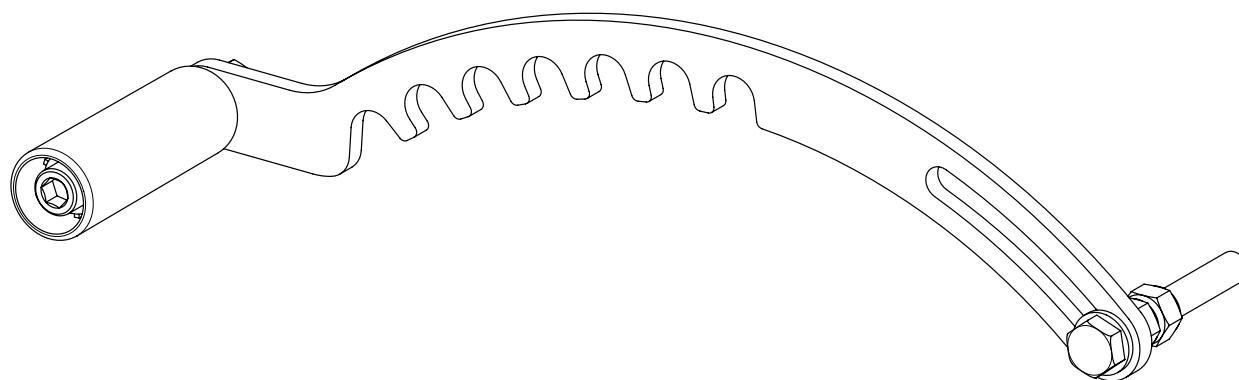




## 11. INDEXING HANDLE

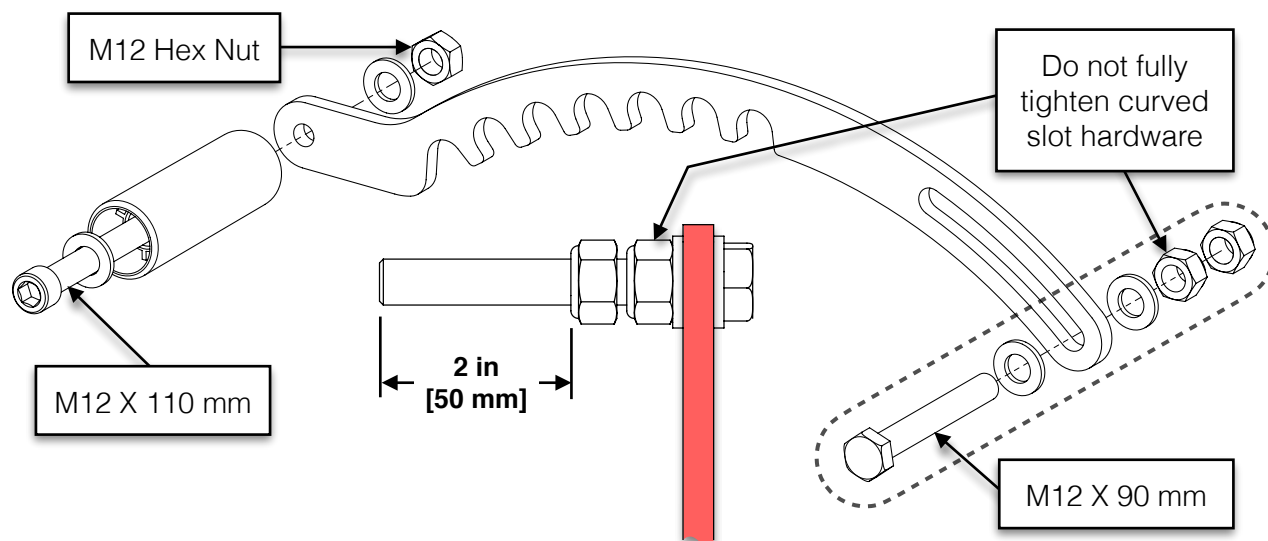
Using the hardware listed below, assemble the indexing handle and then connect it to the chain lever.

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				

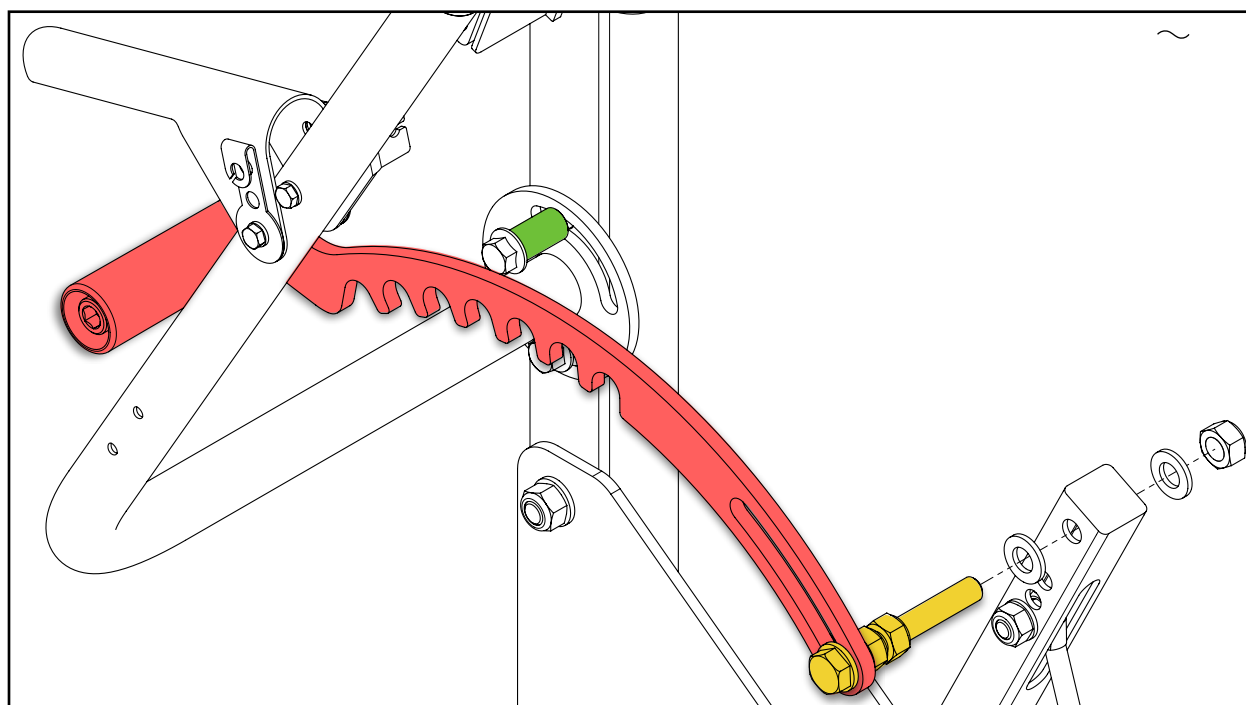


Assemble the plastic revolving handle to the end of the indexing handle using one (1) M12 lock nut. Then assemble the M12 X 90 mm hex bolt, two (2) flat washers, and double M12 lock nut stack to the curved slot. Do not fully tighten the curved slot hardware until instructed to do so.

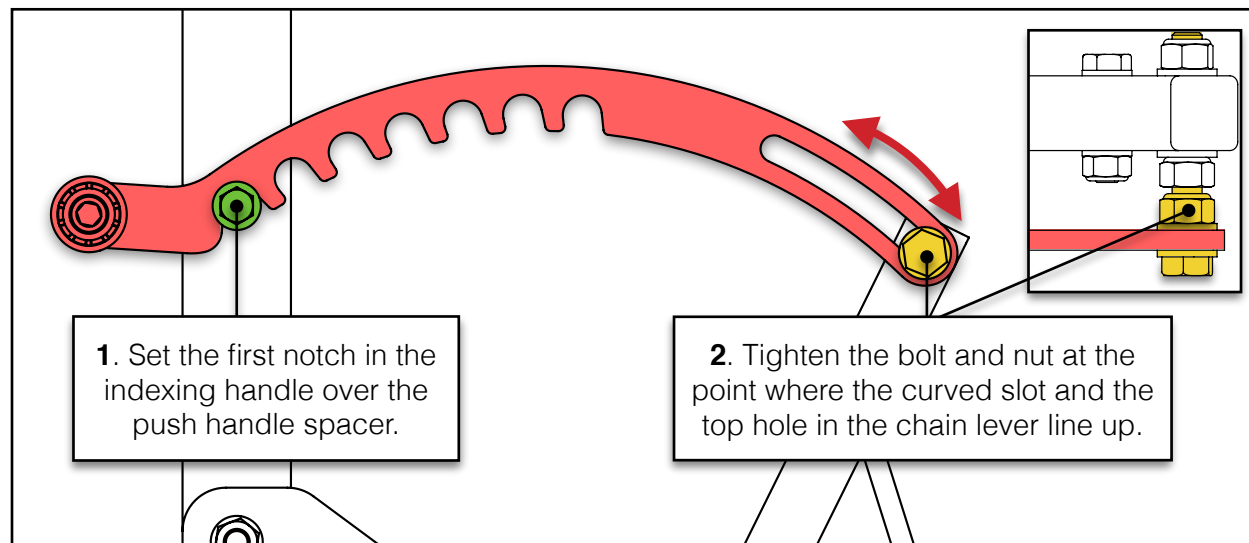
Leave approximately 2 in [50 mm] from the end of the bolt to the first lock nut at the curved slot.



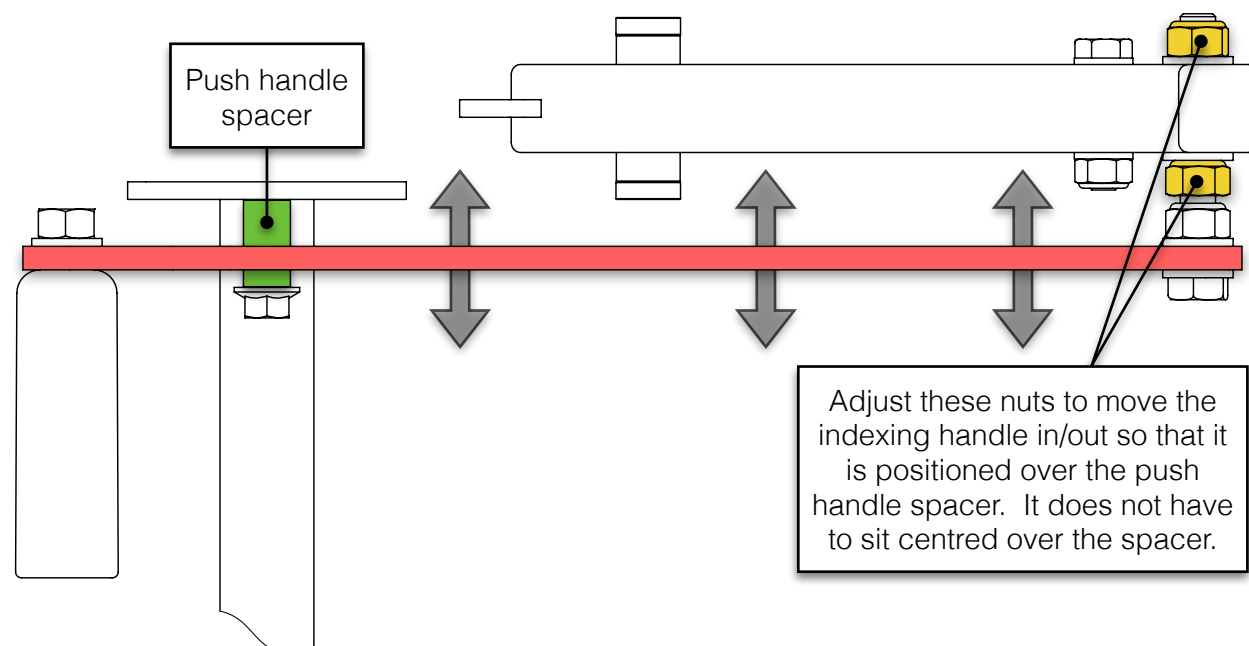
Assemble the indexing handle sub-assembly to the top hole of the chain lever using two (2) M12 flat washers and one (1) M12 lock nut. Do not fully tighten this hardware.



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.

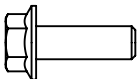
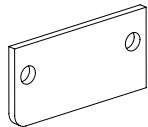

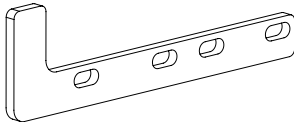


Adjust the middle and end nuts on the indexing handle to better position the handle over the push handle spacer. Fully tighten the hardware once positioned correctly.

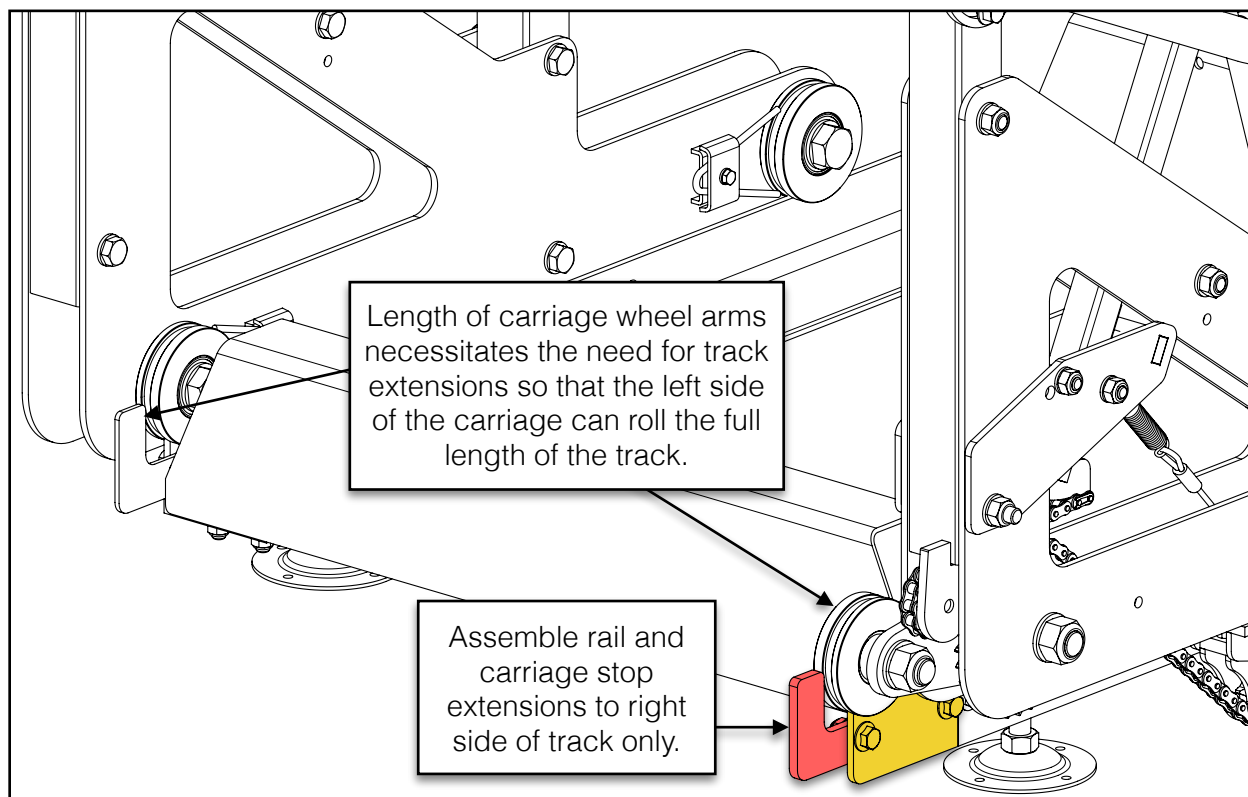


## 12. TRACK RAIL EXTENSIONS

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

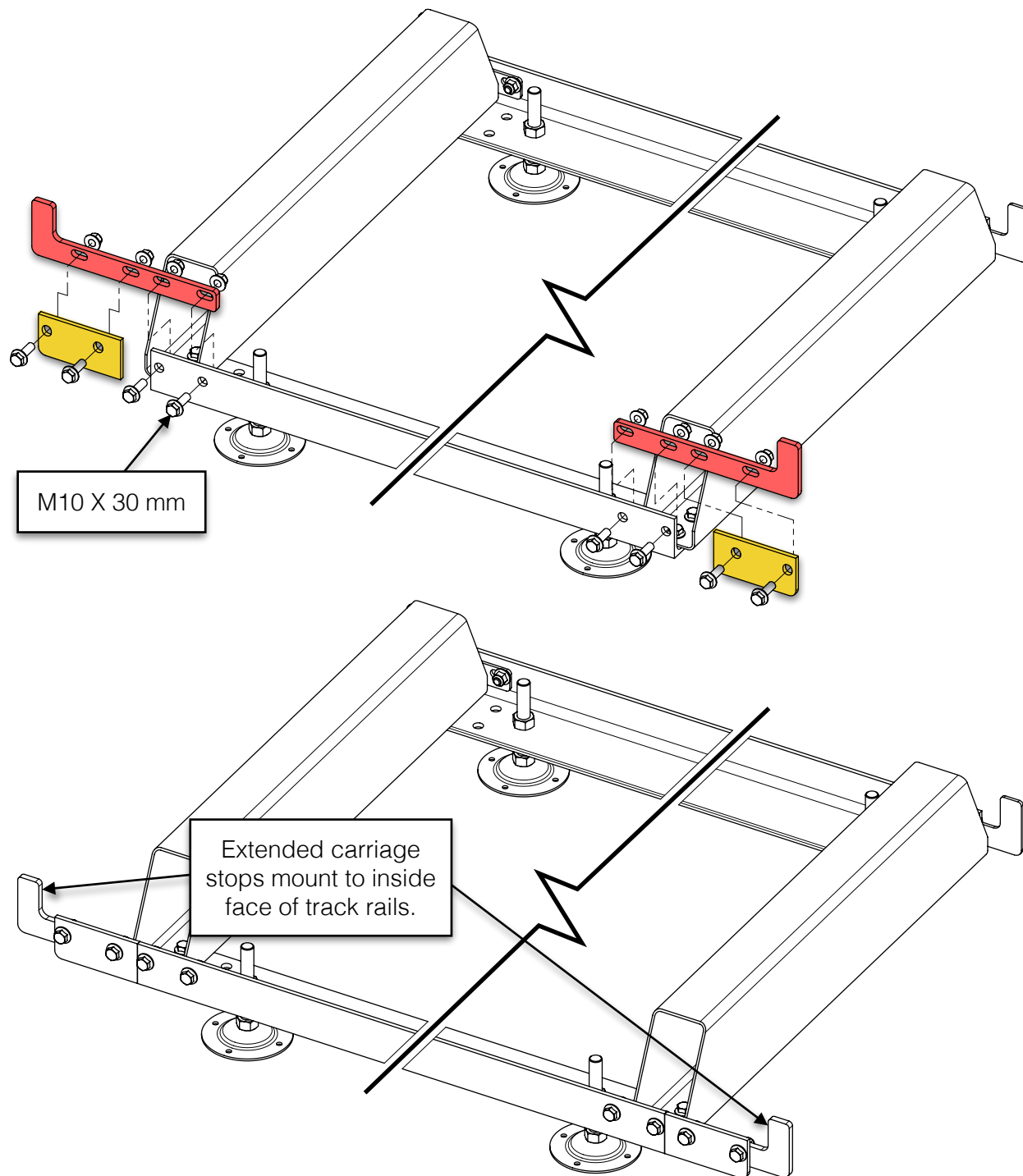
8x	M10 X 30 mm Flanged Hex Bolt		2x	Rail Extension	
8x	M10 Flanged Lock Nut		2x	Extended Carriage Stop	

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.

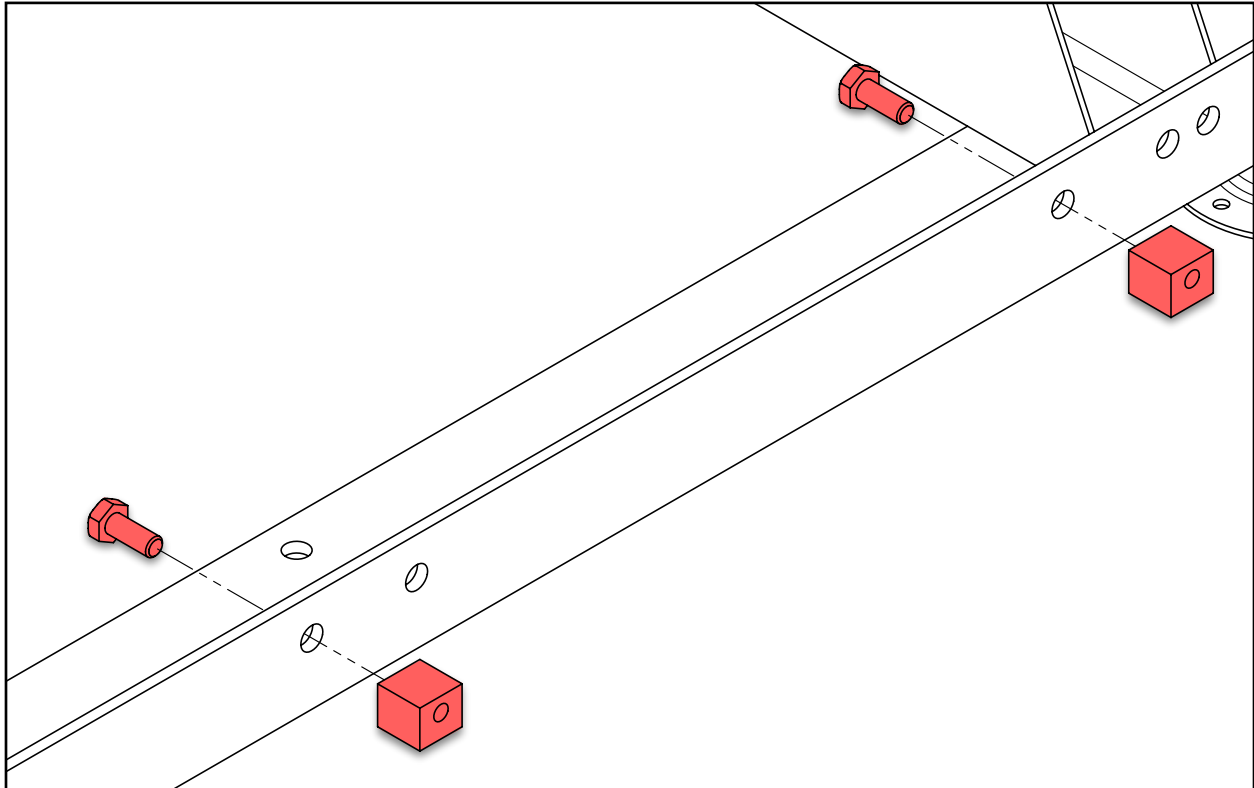




## 13. SETUP BLOCK REMOVAL

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.

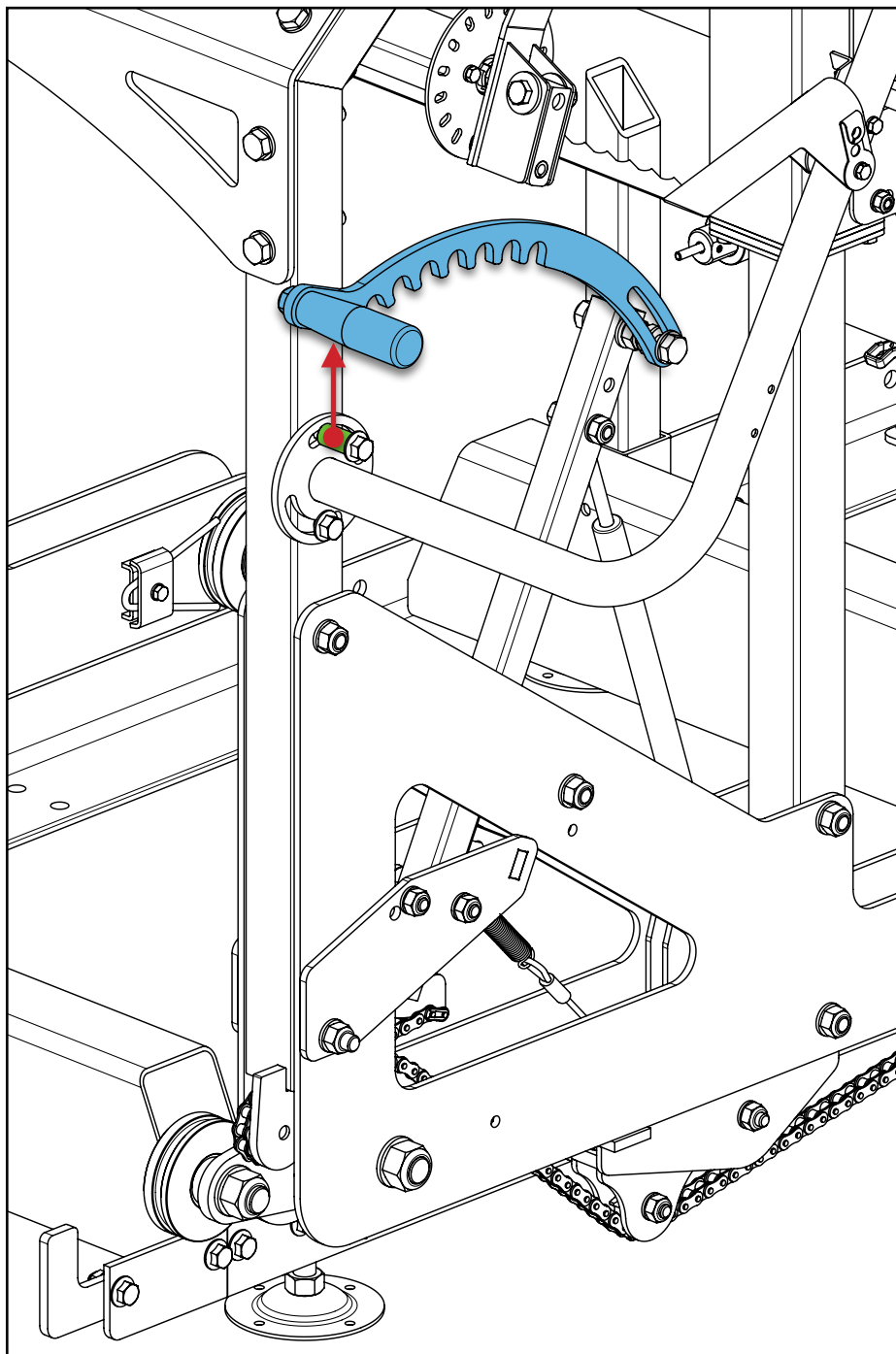
Roll the sawhead carriage away from the setup blocks and remove the two (2) M10 X 25 mm hex bolts.



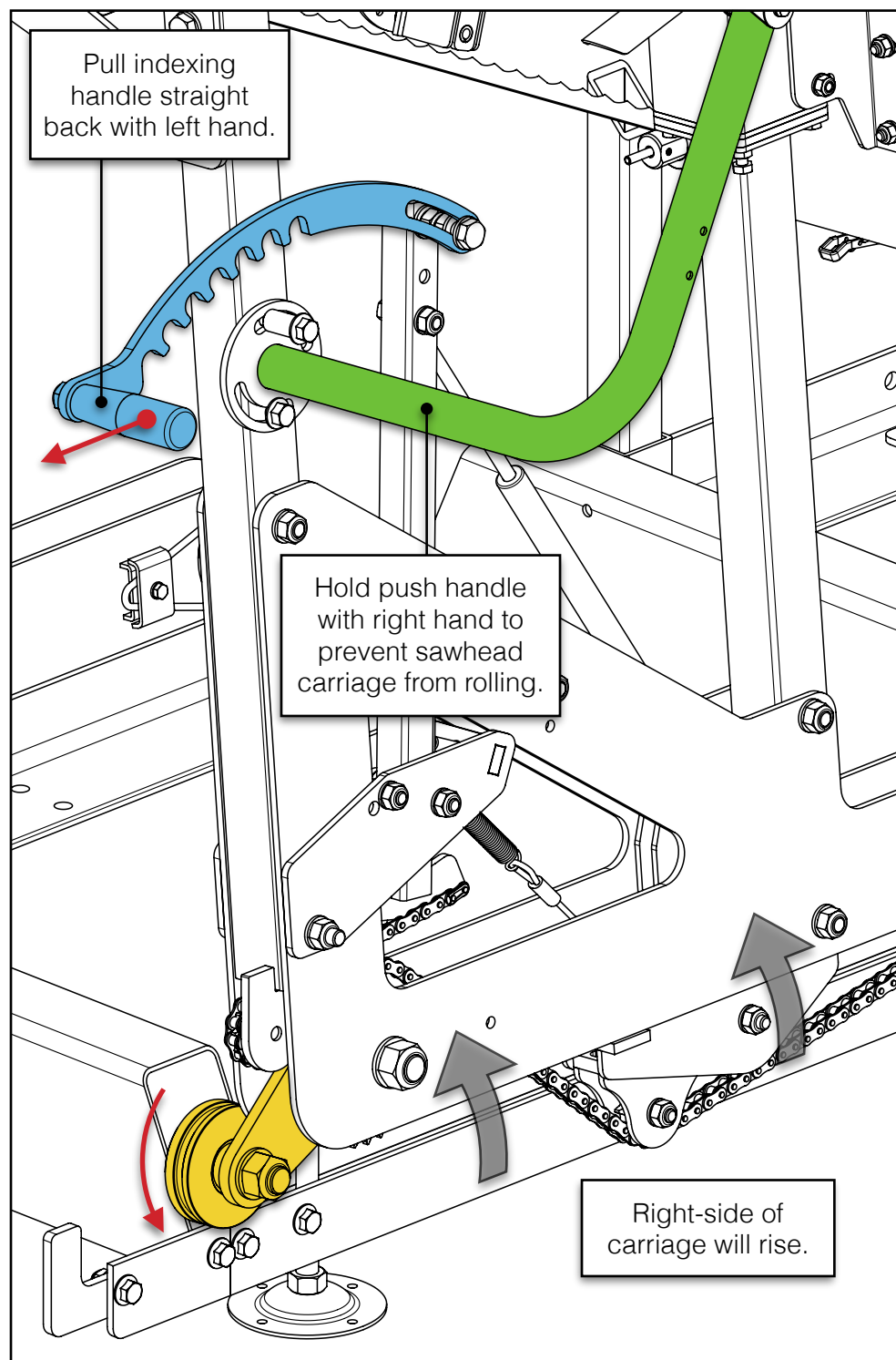
## OPERATION

### ANGLING THE SAWHEAD

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

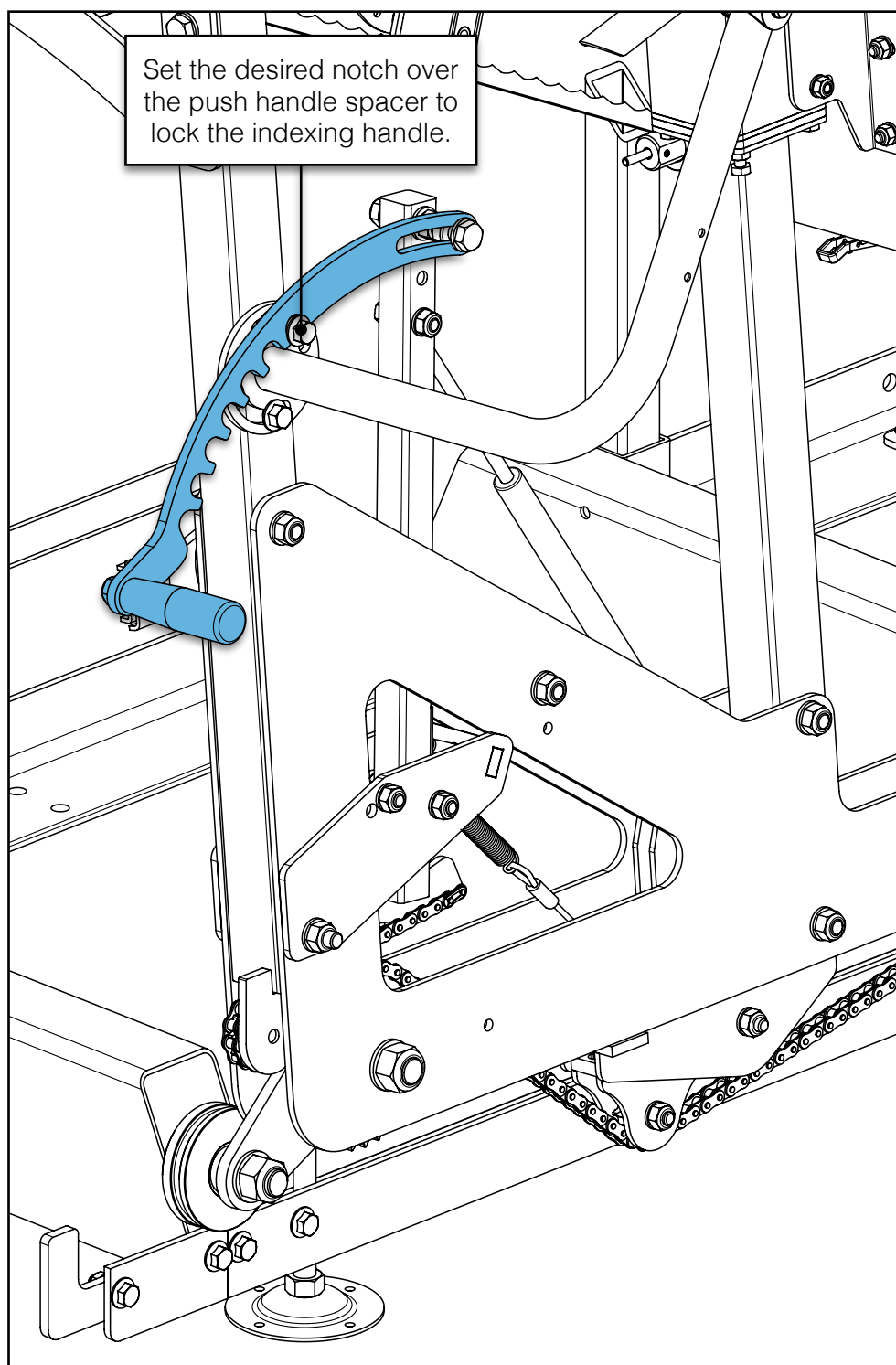


Then, while holding the push handle to prevent the carriage from rolling, pull the indexing handle towards the rear. The right-side of the carriage will rise as the lever is pulled.





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

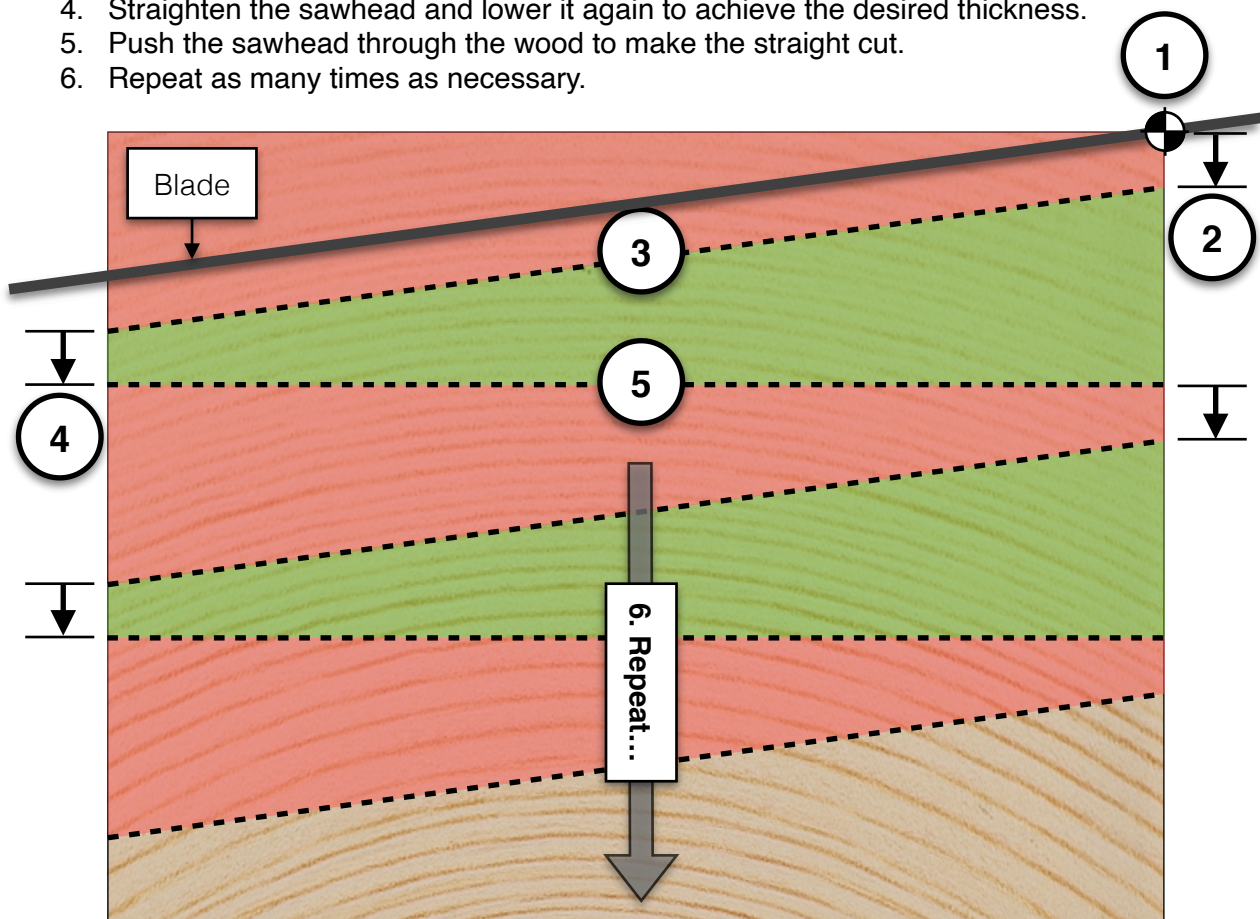


## LAP SIDING CUT METHOD

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.

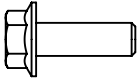

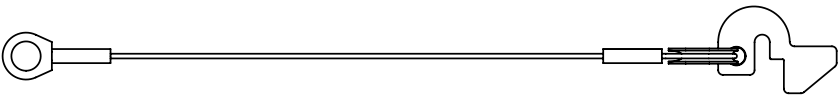


**Note: the notches in the indexing handle do not represent fixed angles. The sawhead angle will vary depending on sawmill model.**

## TRAILER LOCK-DOWN

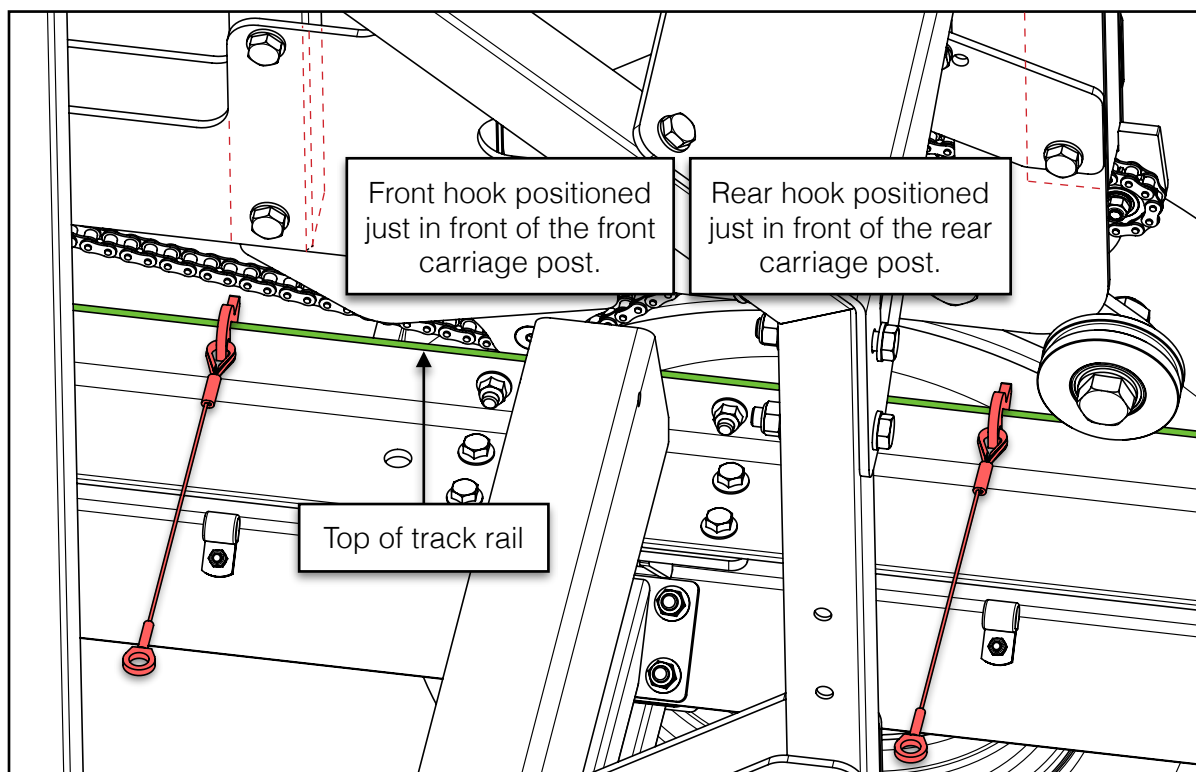
**\*\*This section applies to owners with sawmill trailers only.\*\***

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				

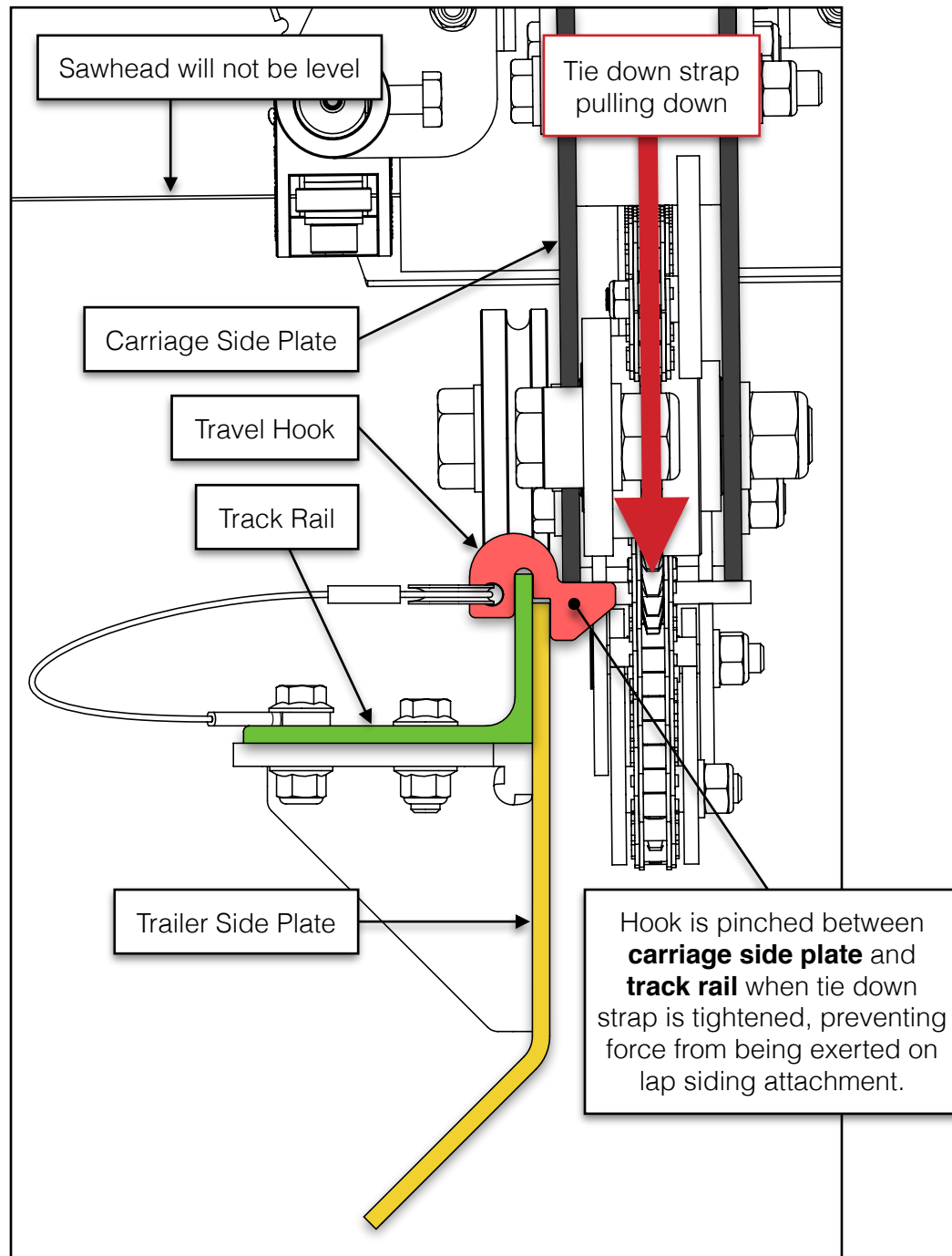
Roll the sawhead carriage forward to its lock-down position. See section, **HEAD LOCK-DOWN PLATES**, in the sawmill trailer manuals for more information.

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.



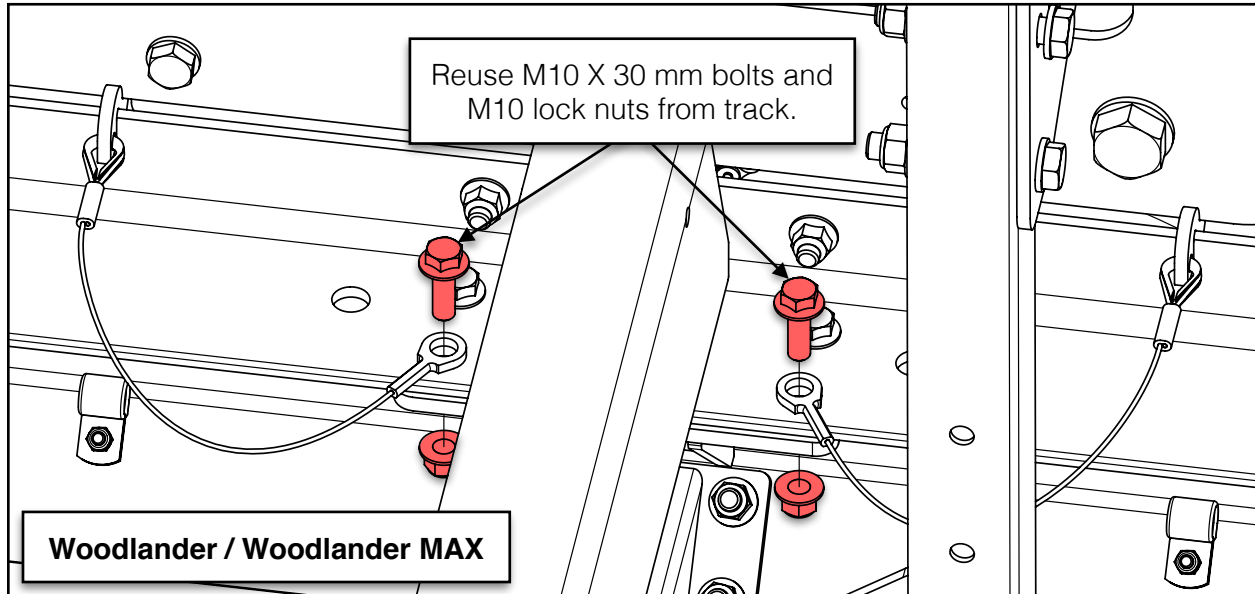
The hooks act as a vertical carriage stop, preventing the lap siding attachment from sustaining damage when the tie-down strap is tightened while readying the sawmill trailer for transport.

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

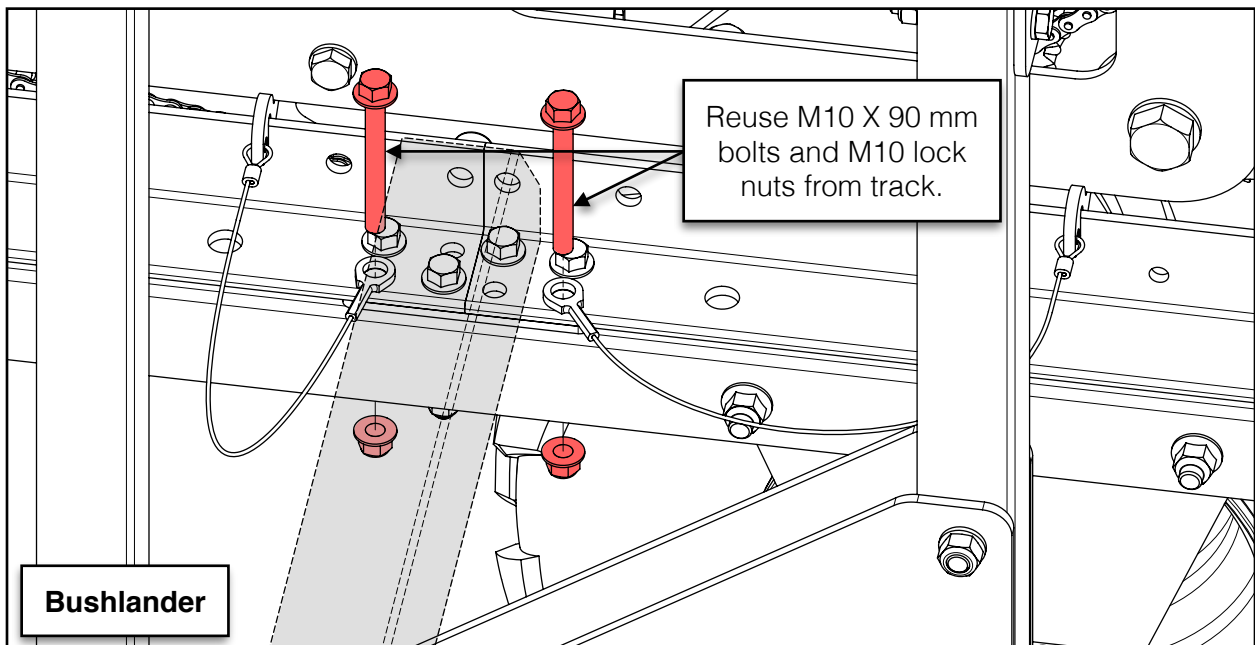


**\*\*Some components removed for clarity\*\***

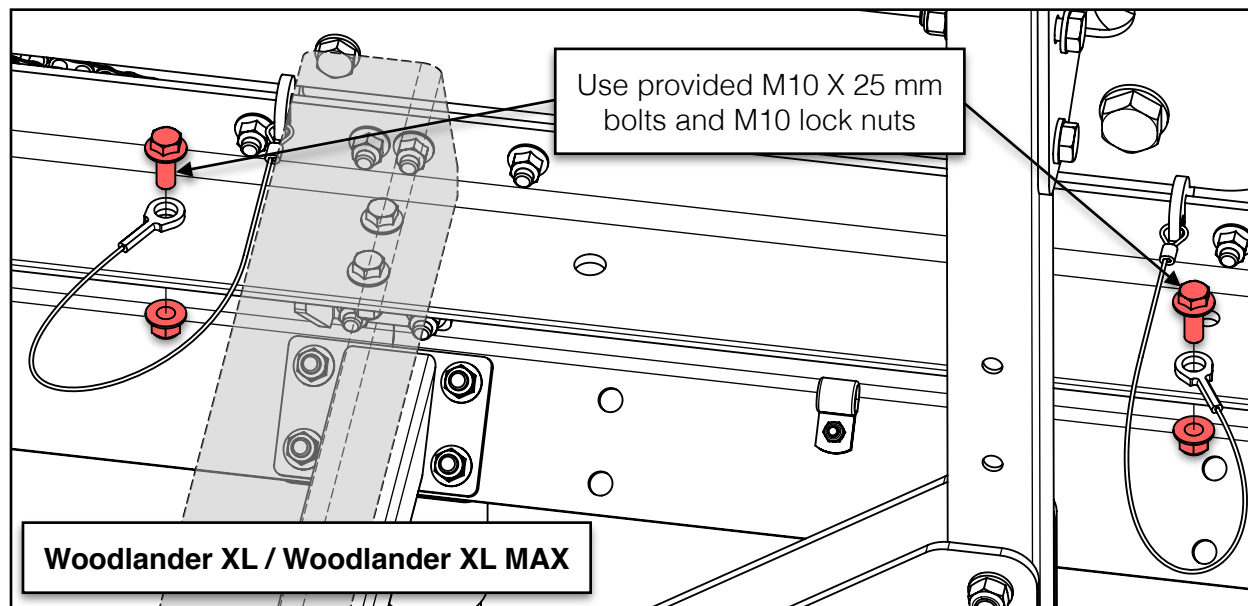
On *Woodlander* and *Woodlander MAX* sawmill trailers *without* extensions, temporarily remove two (2) of the M10 X 30 mm flanged hex bolts from the track reinforcement plate and then reassemble them through the lanyard eyelets.



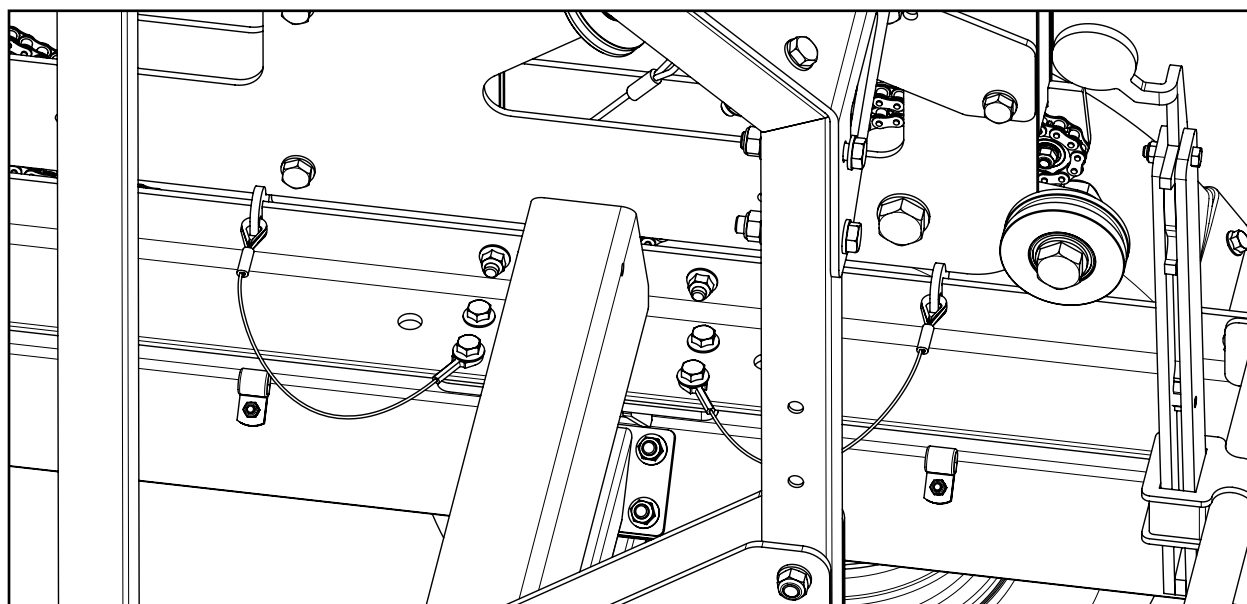
On *Bushlander* sawmill trailers *with* or *without* an extension, temporarily remove two (2) of the M10 X 90 mm flanged hex bolts from the track reinforcement plate and then reassemble them through the lanyard eyelets.



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.\*\***





## PARTS LIST

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

Item	Quantity		Part No.	Description
	HM122	HM126		
1	2	2	2366	CARRIAGE WHEEL ARM, 32 TOOTH SPROCKET
2	2	2	1037	CARRIAGE WHEEL
3	1	1	2369	ADJUSTMENT BRACKET HOUSING
4	1	1	2370	CHAIN ADJUSTMENT BRACKET
5	1	1	2372	WIRE ROPE PULLEY, 2 in [50.8 mm] GROOVE, 5/8 in [16 mm] BORE
6	1	1	2376	BUSHING, 10 ID, 16 OD, 18 mm LG
7	2	2	3884	SPROCKET, NO. 40 CHAIN, 11 TEETH, 26 mm BORE, 2 in OD
8	2	2	2820	SPACER, 10 ID X 16 OD X 6 mm LG
9	1	-	2852	REAR IDLER BRACKET, HM122
	-	1	4434	REAR IDLER BRACKET, HM126/HM130(MAX)
10	2	-	2856	CHAIN LEVER PLATE, HM122
	-	2	2830	CHAIN LEVER PLATE, HM126/HM130(MAX)
11	1	1	2405	SPACER, 10 ID, 16 OD, 62 mm LG
12	1	1	2835	TUNING BLOCK
13	1	1	2384	CHAIN LEVER
14	2	2	2385	BUSHING, 10 ID, 16 OD, 16 mm LG
15	1	1	3888	EXTENSION SPRING, HOOK ENDS, 0.641 in OD, 0.08 in DIA WIRE, 4 in LG
16	1	1	2823	INDEX HANDLE
17	1	1	4199	PLASTIC HANDLE, 35 mm DIA, M16 THRU
18	1	1	2381	SPACER, 10 ID, 16 OD, 30 mm LG
19	1	-	3885	GAS SPRING, 600 N [134.9 lbf], 200 mm [7.87 in] STROKE, M8 X 1.25
	-	1	3886	GAS SPRING, 950 N [213.5 lbf], 200 mm [7.87 in] STROKE, M8 X 1.25
20	2	2	3887	EYELET END FITTING, 10 mm DIA, M8 X 1.25
21	1	1	3545	CABLE CHAIN, 1511 mm [59.5 in] LG NO. 40 CHAIN, 445 mm [17.5 in] LG CABLE
22	2	2	2825	TRACK EXTENSION, LAP SIDING
23	2	2	2826	CARRIAGE STOP, LAP SIDING
24	2	-	3724	TRAVEL HOOK W/ LANYARD, HM122
	-	2	3188	TRAVEL HOOK W/ LANYARD, HM126/HM130(MAX)
25	2	2	2913	SETUP BLOCK
26	2	2	6000-2RS	BALL BEARING, SEALED, 6000-2RS, 10 mm BORE, 26 mm OD, 8 mm WIDE
27	2	2	5204-2RS	BALL BEARING, ANG-CONT, SEALED, 5204-2RS, 20 mm BORE, 47 mm OD, 20.6 mm WIDE
28	4	4	51204	THRUST BEARING, SINGLE DIR, 51204, 20 mm BORE, 41.5 mm OD, 15 mm WIDE
29	2	2	HDW	HEX BOLT, M10 X 1.5, 20 mm LG
30	1	1	HDW	HEX BOLT, M10 X 1.5, 35 mm LG
31	1	1	HDW	HEX BOLT, M10 X 1.5, 45 mm LG
32	2	2	HDW	HEX BOLT, M10 X 1.5, 65 mm LG, 26 mm LG THD
33	2	2	HDW	HEX BOLT, M10 X 1.5, 90 mm LG, 26 mm LG THD
34	1	1	HDW	HEX BOLT, M12 X 1.75, 90 mm LG, FULL THD
35	1	1	HDW	HEX BOLT, M12 X 1.75, 100 mm LG, 30 mm LG THD
36	2	2	HDW	HEX BOLT, M20 X 2.5, 75 mm LG, 46 mm LG THD
37	2	2	HDW	HEX BOLT, M20 X 2.5, 90 mm LG, 46 mm LG THD
38	-	2	HDW	HEX BOLT, FLANGED, M10 X 1.5, 25 mm LG

Sawmill Accessory:  
Lap Siding Attachment Operator's Manual

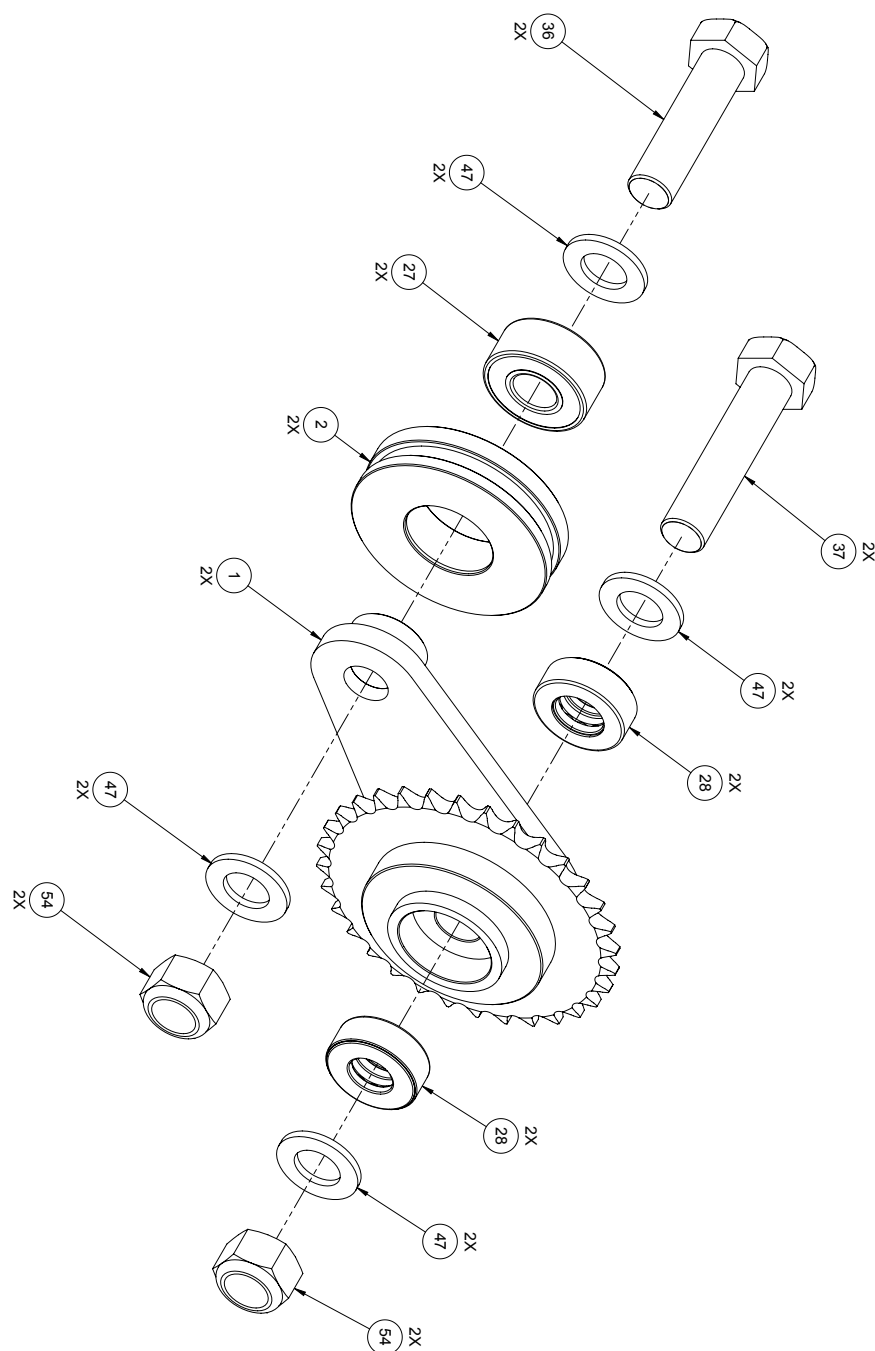


Item	Quantity		Part No.	Description
	HM122	HM126		
39	8	8	HDW	HEX BOLT, FLANGED, M10 X 1.5, 30 mm LG
40	1	1	HDW	HEX BOLT, FLANGED, M10 X 1.5, 100 mm LG, 26 mm LG THD
41	1	1	HDW	SCREW, HFH, M10 X 1.5, 45 mm LG
42	1	1	HDW	SCREW, HFH, M10 X 1.5, 60 mm LG, 26 mm LG THD
43	1	1	HDW	SHCS, M12 X 1.75, 110 mm LG
44	1	1	HDW	FLAT WASHER, M8
45	8	8	HDW	FLAT WASHER, M10
46	8	8	HDW	FLAT WASHER, M12
47	8	8	HDW	FLAT WASHER, M20
48	1	1	HDW	HEX NUT, M10 X 1.5
49	1	1	HDW	HEX NUT, M12 X 1.75
50	1	1	HDW	HEX NUT, THIN, M10 X 1.5, 5 mm THK
51	1	1	HDW	LOCK NUT, M8 X 1.25
52	6	6	HDW	LOCK NUT, M10 X 1.5
53	4	4	HDW	LOCK NUT, M12 X 1.75
54	4	4	HDW	LOCK NUT, M20 X 2.5
55	9	11	HDW	LOCK NUT, FLANGED, M10 X 1.5



## EXPLODED ASSEMBLY VIEWS

### CARRIAGE WHEEL ARM

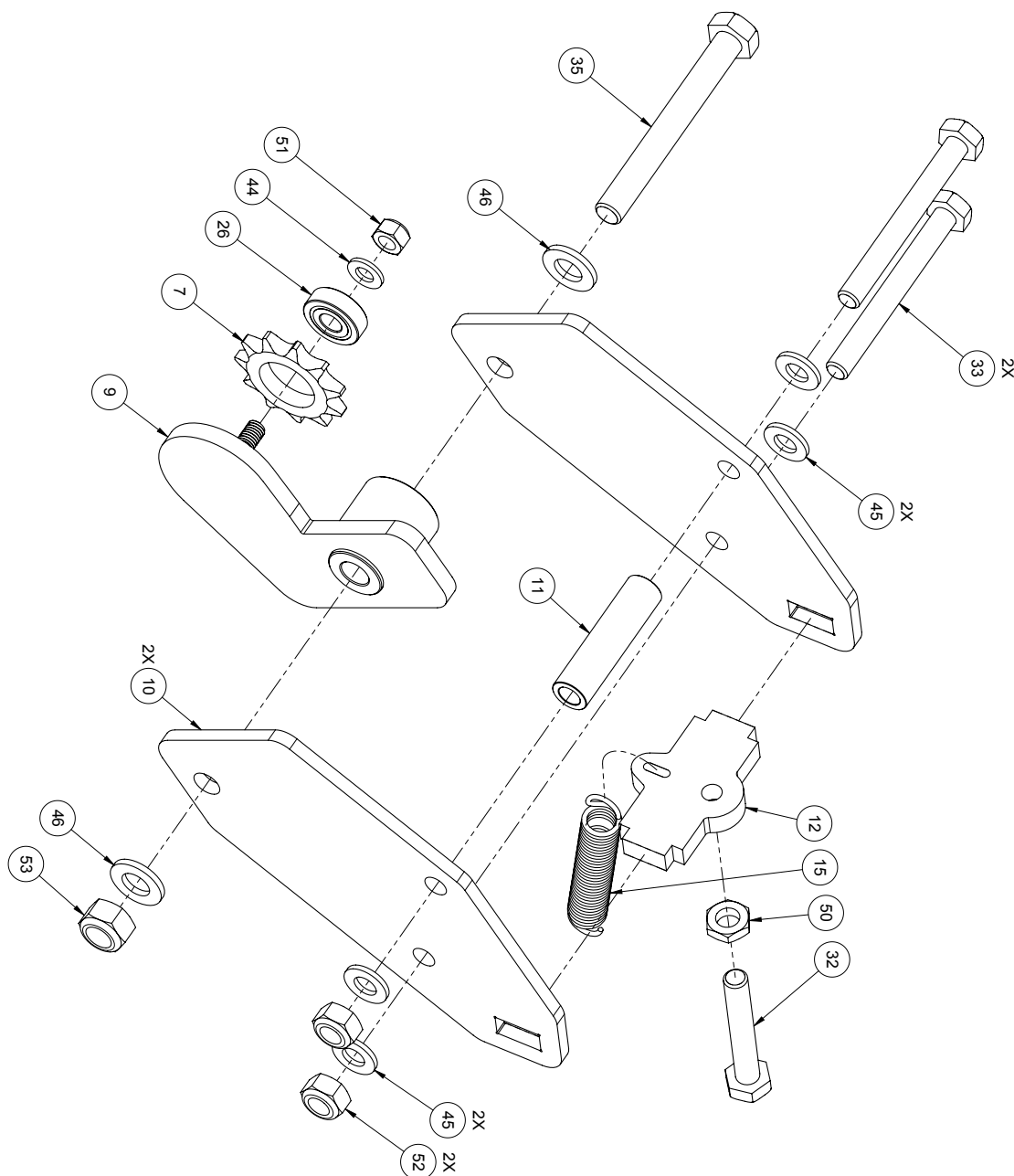


# IN ADJUSTMENT BRACKET

This technical drawing is an exploded view of a mechanical assembly, likely a winch or a similar lifting device. The components are numbered as follows:

- 1**: Main mounting plate or base.
- 2**: A small pin or screw.
- 3**: A long bolt or screw.
- 4**: A curved bracket or arm.
- 5**: A small washer or spacer.
- 6**: A pulley wheel.
- 7**: A small pin or screw.
- 8**: A gear or sprocket.
- 9**: A small pin or screw.
- 10**: A small pin or screw.
- 11**: A small pin or screw.
- 12**: A small pin or screw.
- 13**: A small pin or screw.
- 14**: A small pin or screw.
- 15**: A small pin or screw.
- 16**: A small pin or screw.
- 17**: A small pin or screw.
- 18**: A small pin or screw.
- 19**: A long rod or shaft.
- 20**: A small pin or screw.
- 21**: A small pin or screw.
- 22**: A small pin or screw.
- 23**: A small pin or screw.
- 24**: A small pin or screw.
- 25**: A small pin or screw.
- 26**: A small pin or screw.
- 27**: A small pin or screw.
- 28**: A small pin or screw.
- 29**: A small pin or screw.
- 30**: A small pin or screw.
- 31**: A small pin or screw.
- 32**: A small pin or screw.
- 33**: A small pin or screw.
- 34**: A small pin or screw.
- 35**: A small pin or screw.
- 36**: A small pin or screw.
- 37**: A small pin or screw.
- 38**: A small pin or screw.
- 39**: A small pin or screw.
- 40**: A small pin or screw.
- 41**: A small pin or screw.
- 42**: A small pin or screw.
- 43**: A small pin or screw.
- 44**: A small pin or screw.
- 45**: A small pin or screw.
- 46**: A small pin or screw.
- 47**: A small pin or screw.
- 48**: A small pin or screw.
- 49**: A small pin or screw.
- 50**: A small pin or screw.
- 51**: A small pin or screw.
- 52**: A small pin or screw.

## REAR IDLER [HM122]



This exploded view diagram illustrates the assembly of a mechanical component, likely a motor or actuator. The main body is a large, L-shaped plate (11) with a central rectangular cutout. A gear (7) is mounted on a shaft (9) at one end. A spring (12) is attached to the main body and a small bracket (15). A long rod (33) is shown with multiple washers (45) and nuts (50) for adjustment. Various other components like bearings (26), gears (44), and fasteners (46, 51, 52, 53) are shown in their relative positions for assembly. Dashed lines indicate the alignment and fit of the parts.

This exploded view diagram illustrates the assembly of a mechanical component, likely a gear or pulley system. The central vertical shaft (13) is the primary component. Key parts and their assembly sequence are indicated by numbered callouts:

- Top Section:** A curved bracket (16) is secured to the shaft with a series of washers (46) and nuts (53). A long bolt (34) passes through the bracket and the shaft.
- Middle Section:** A gear or pulley (17) is mounted on the shaft. It is secured with a nut (49) and a washer (46). A pin (18) is used to secure the gear to the shaft.
- Bottom Section:** A long bolt (43) passes through the shaft and a bracket (14). This bracket is secured with a nut (46) and a washer (43). A pin (14) is also shown.
- Other Components:** A small pin (31) is shown near the top bracket. A small pin (45) is shown near the gear. A small pin (52) is shown near the bottom bracket. A small pin (55) is shown near the gear.

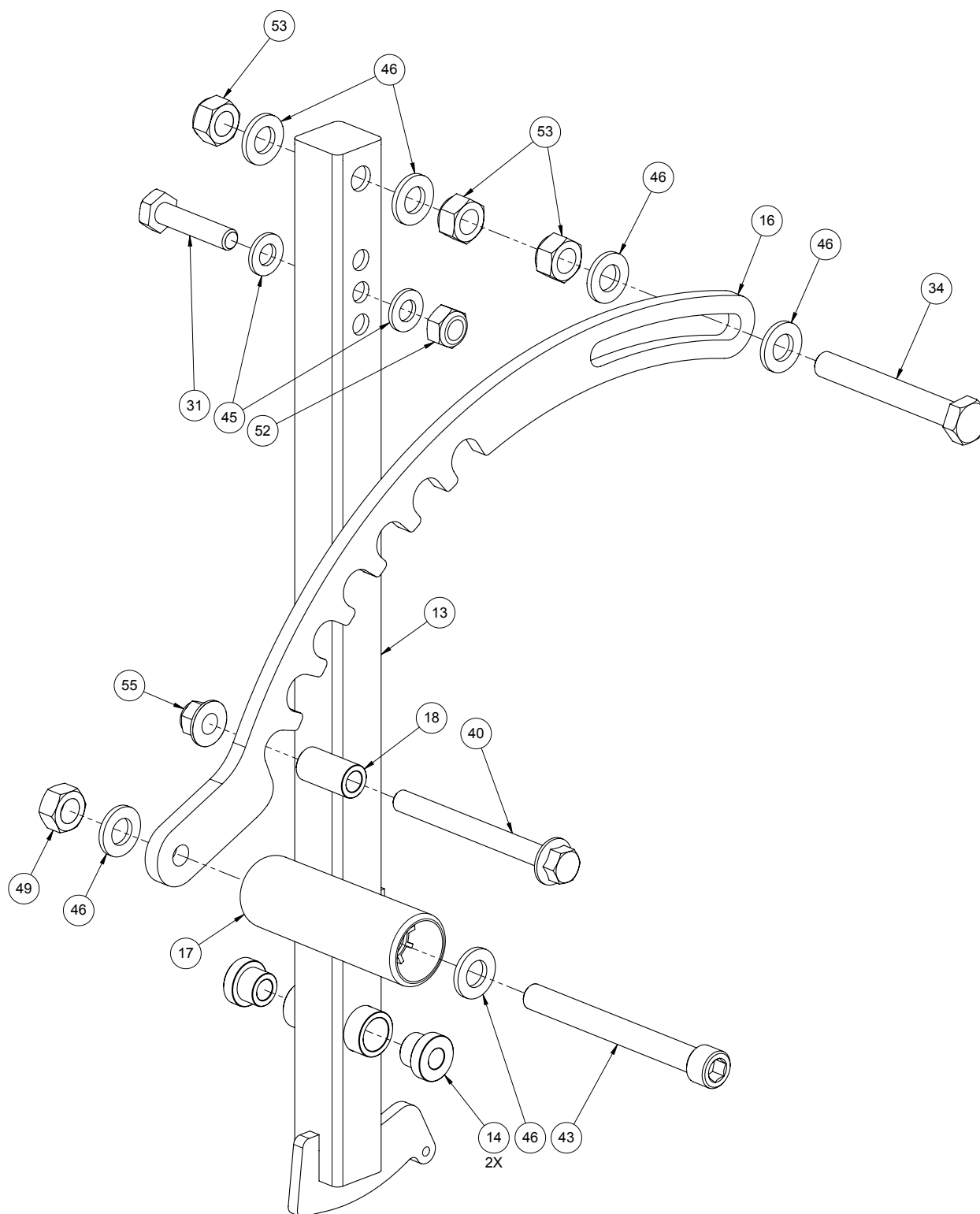
The diagram uses standard mechanical symbols for bolts, nuts, washers, and pins, with dashed lines indicating the assembly path.

This exploded view diagram illustrates the assembly of a mechanical component, likely a gear or pulley system. The central vertical shaft (13) is the primary component. Key assembly steps and parts include:

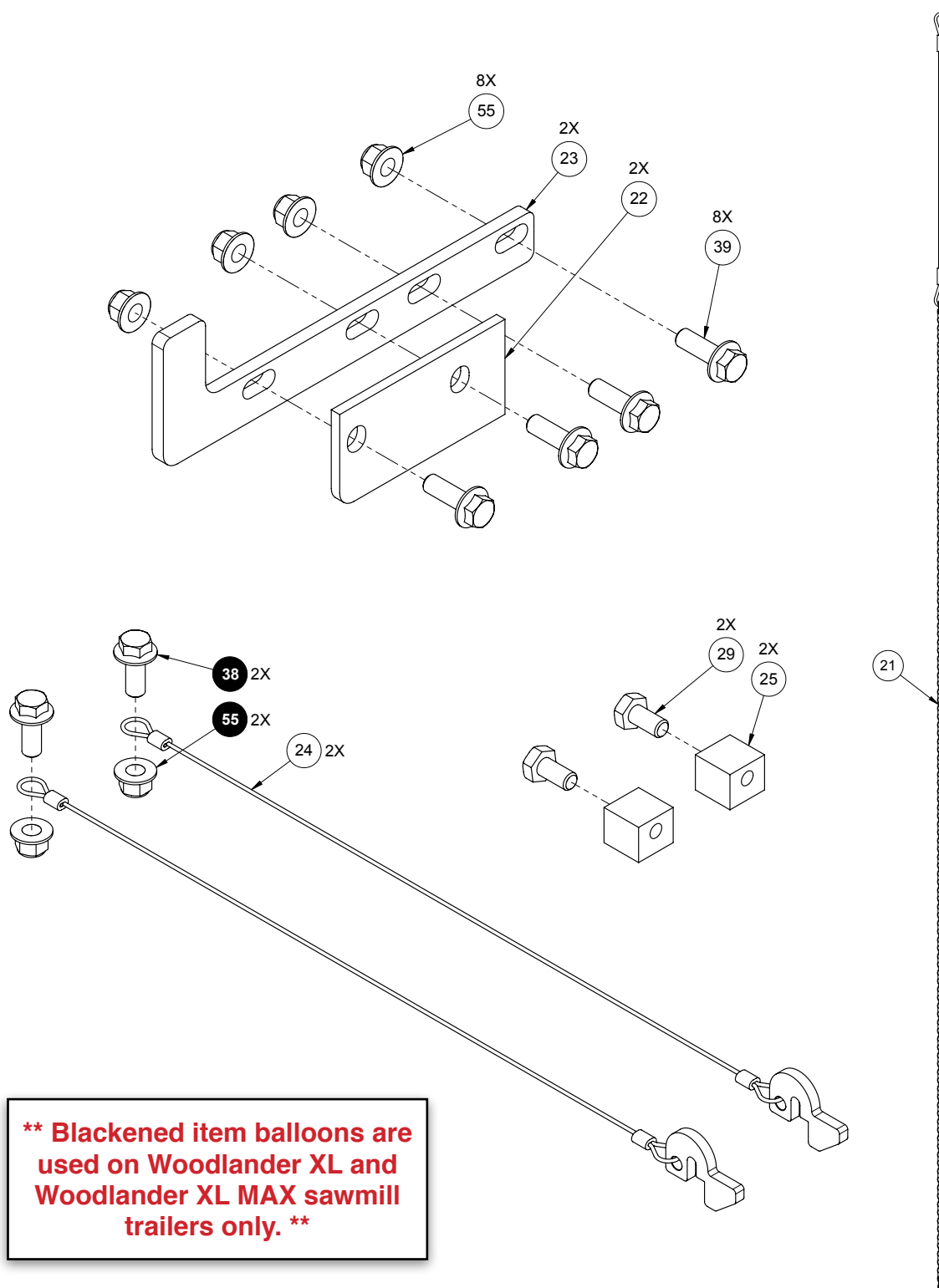
- Top Section:** A curved arm (16) is attached to the shaft using a series of washers (46) and nuts (53). A long bolt (34) is used to secure the end of this arm.
- Middle Section:** A cylindrical component (18) is mounted on the shaft, secured with a nut (55) and a washer (49). A long bolt (40) is used to secure the side of this component.
- Bottom Section:** A large cylindrical component (17) is mounted on the shaft. It is secured with multiple washers (46) and nuts (14, 43). A long bolt (43) is used to secure the side of this component.
- Other Components:** Various other parts are shown, including a small bolt (31), a washer (45), a nut (52), and a small bolt (49).

The diagram uses standard mechanical symbols for bolts, nuts, washers, and shafts, with dashed lines indicating the assembly path and alignment of the components.

## INDEXING HANDLE & LEVER [HM130 & HM130MAX]



## TRACK EXTENSION, TRAVEL HOOKS, CABLE CHAIN





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