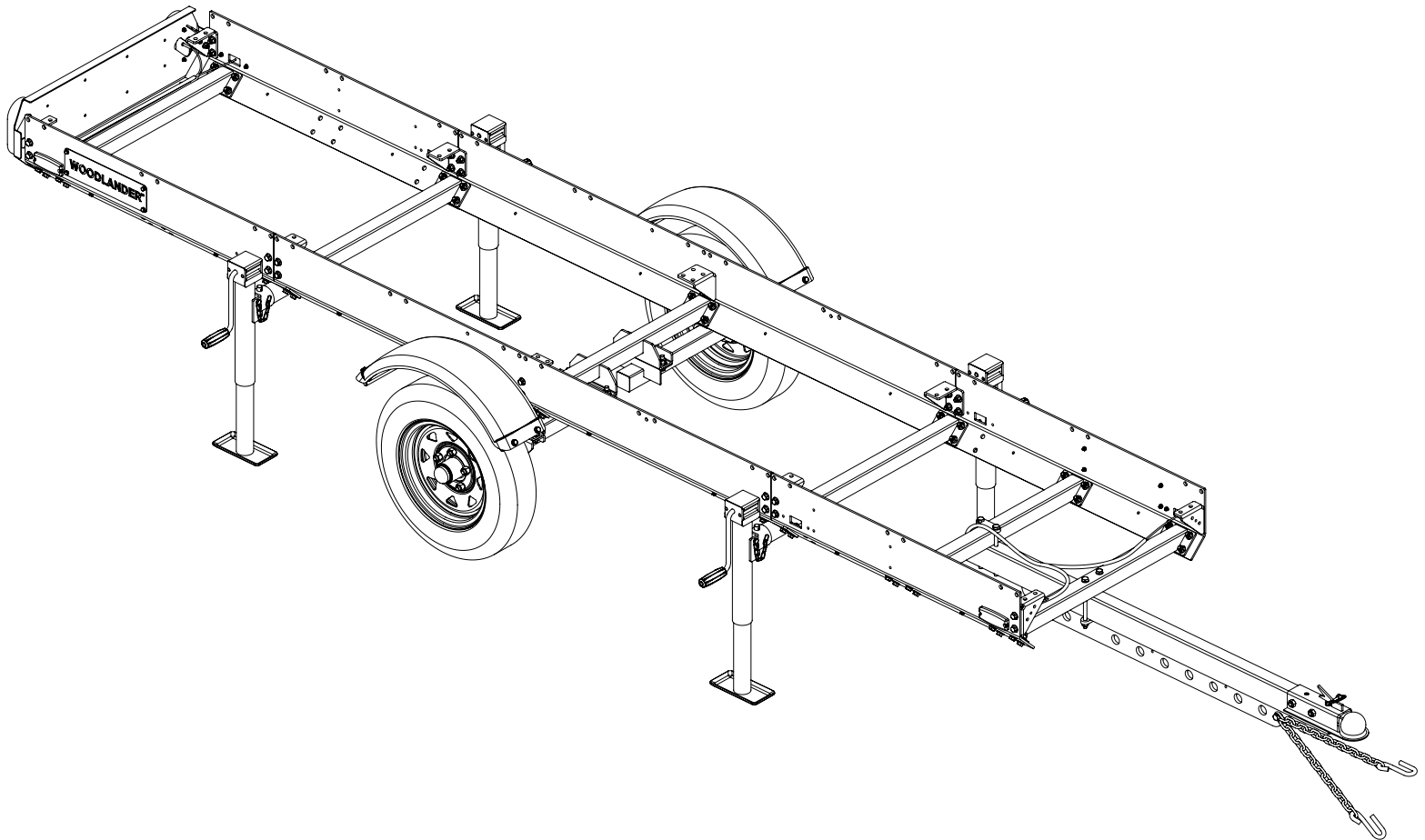


WOODLANDER™ SAWMILL TRAILER



OPERATOR'S MANUAL

HM126T-MY2019: Rev B
Publication Date: 04-Dec-2018



The Woodlander™ is compatible with HM126 and HM130 sawmills. Woodlander™ is a trademark of Woodland Mills, Inc.

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INTRODUCTION

Congratulations on your purchase and welcome to Woodland Mills! This manual gives you the necessary information about your Woodlander™ sawmill trailer so you will be able to use it properly. The entire manual must be read and understood before using the trailer. If any questions should arise that are not covered by this manual, please contact Woodland Mills, Inc.

OWNER'S RECORD

Please take a moment to record the following information about your Woodlander™ sawmill trailer. If you need to call for assistance, please be ready to provide your model and serial numbers. This information will allow us to help you more quickly when you call.

MODEL NUMBER

SERIAL NUMBER

DATE OF PURCHASE

The Woodlander™ sawmill trailer is compatible with either an HM126 or HM130 sawmill and track system for milling logs while the trailer is stationary and firmly supported on the ground. It is not intended to carry any additional weight or be used as a utility trailer.

The Woodlander™ sawmill trailer is designed for certain applications only. We strongly recommend the trailer not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the trailer until you have first contacted Woodland Mills to determine if it can or should be performed using the product.

For technical questions and replacement parts, please contact Woodland Mills, Inc.



****SAVE THESE INSTRUCTIONS****

GENERAL SAFETY RULES



WARNING!

Read and understand all instructions. Failure to follow all instructions listed below may result serious injury.



WARNING!

The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product but must be supplied by the operator.

INSPECTION/MAINTENANCE

- Check the tires before all trips. Make sure they are inflated to the pressure shown on the tire.
- Grease the axle bearings every 3 months or 1000 miles (1600 km), whichever comes first.
- Check the tow hitch ball coupler. Make sure it is not damaged.
- Check the wheel lug nuts before all trips. Make sure they are torqued properly.
- Check the lights. Make sure all the lights work properly. Replace any lights that do not work.
- Inspect trailer before all trips for any damaged or loose parts.



TECHNICAL SPECIFICATIONS

Item	Specification
Trailer Axle	Independent Torsion Axle Design
Trailer Wheels	5 Bolts @ 4.5" (114 mm) & 5.30-12 DOT Approved Tires
Tire Pressure	Refer to Tire
Wheel Nut Torque	80 ft•lb / 110 N•m
Trailer Ball Coupler	2" / 50 mm
Trailer Lights	LED Light Kit (stop, turn, tail, side markers, and license plate light)
Finish	Powder Coat Paint / Galvanized Steel
Fenders	Removable
Safety	Locking pins and safety straps to secure saw head while travelling

BOLT TORQUE SPECIFICATIONS

Bolt (Thread Size)	Torque
M5	78 in•lb / 9 N•m
M6	133 in•lb / 15 N•m
M8	333 in•lb / 38 N•m
M10	53 ft•lb / 72 N•m
M12	93 ft•lb / 126 N•m



TRAILER ASSEMBLY

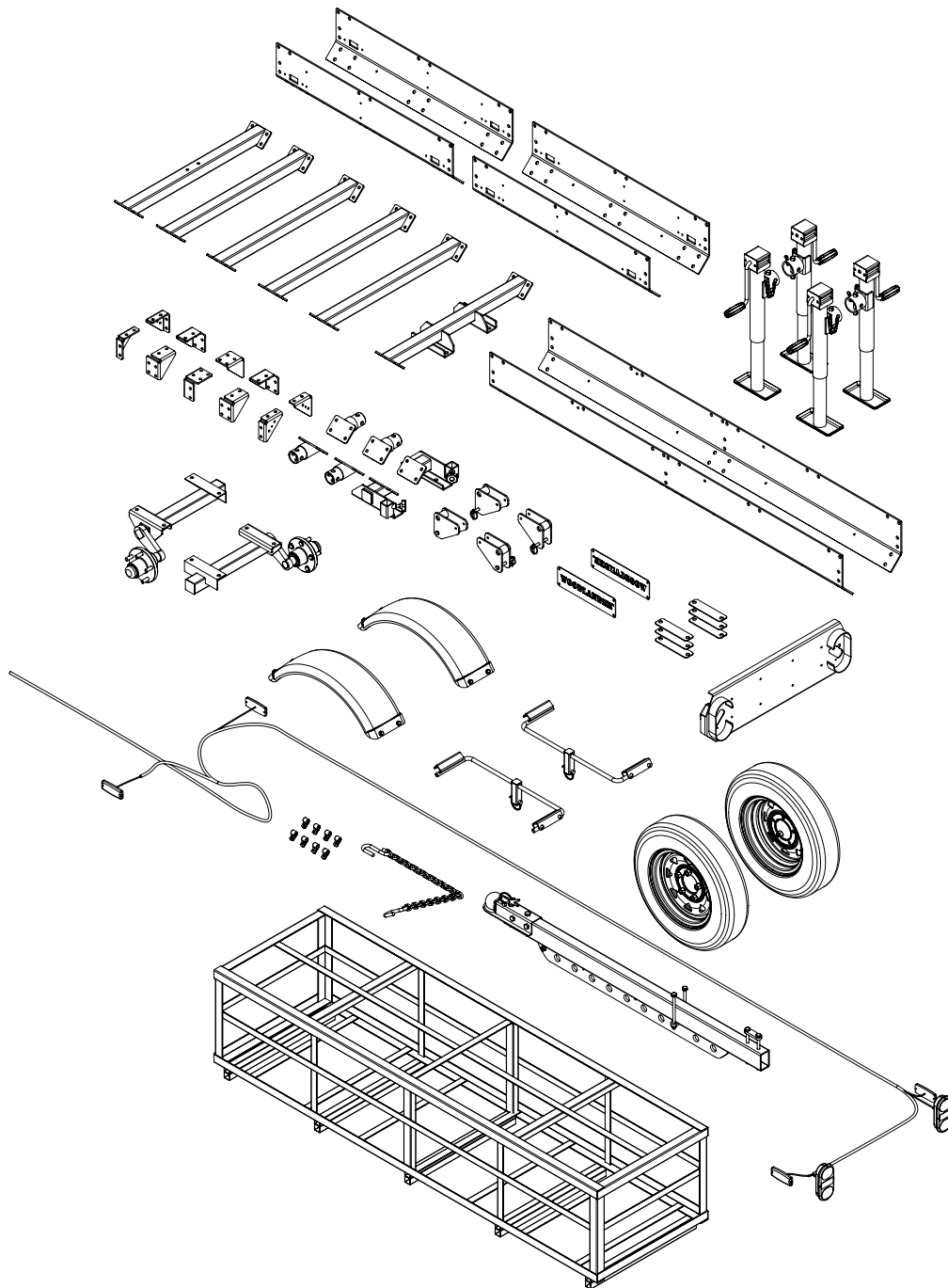
1. TOOLS REQUIRED

Tool	Specification	Use
Phillips Head Screwdriver	No. 3	Assembly
Wrench/Socket	8 mm	Assembly
Wrench/Socket	9 mm	Assembly
Wrench/Socket	10 mm	Assembly
Wrench/Socket	13 mm	Assembly
Wrench/Socket	14 mm	Assembly
Wrench/Socket	15 mm	Assembly
Wrench/Socket	18 mm	Assembly
Adjustable Wrench	Variable	Assembly
Torque Wrench	Capable of 93 ft•lb (126 N•m)	Assembly
Drill	Corded or cordless	Head Lock-Down



2. UNPACKING

Remove all the parts from the steel crate. Set the crate aside as it will be used as a support for several of the following steps.

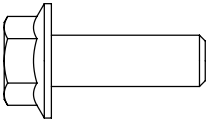
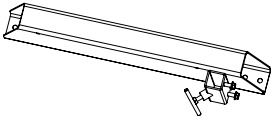
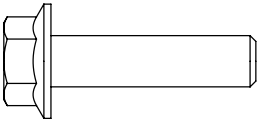
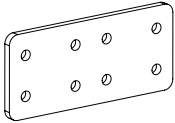
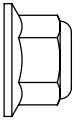
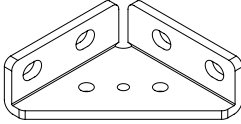
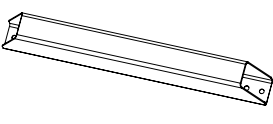
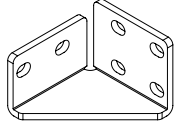
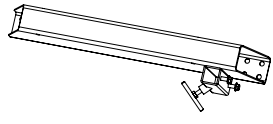
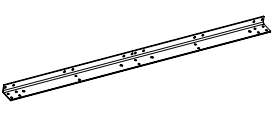




3. GUSSETS

Using the hardware listed below, assemble the gussets to the track as shown on the next page.

Ensure the track is 30.5" (775 mm) wide, measuring diagonally to check for squareness. Torque all bolts per the table in section **BOLT TORQUE SPECIFICATIONS**.

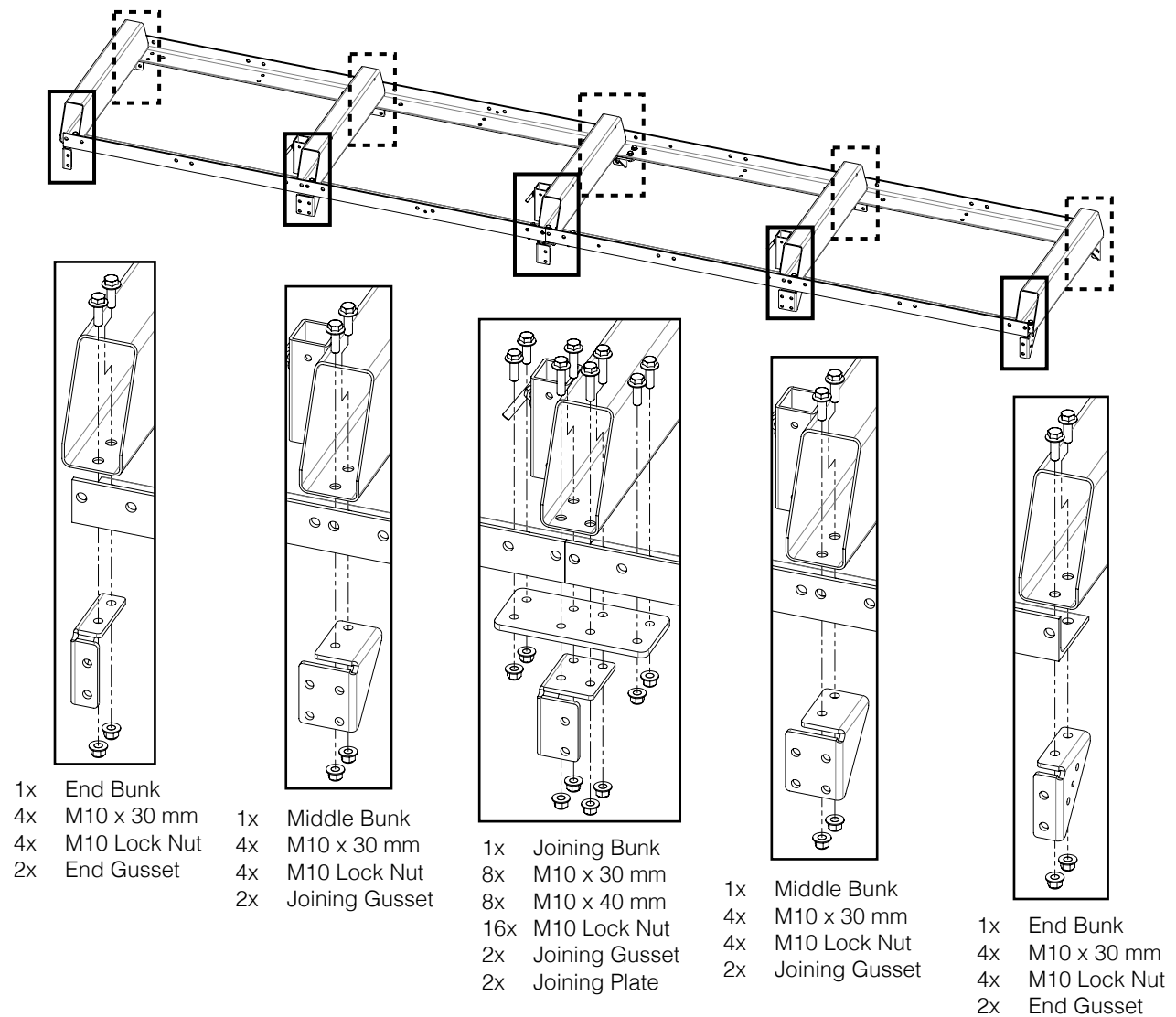
24x	M10 X 30 mm Flanged Hex Bolt		2x	Middle Bunk	
8x	M10 X 40 mm Flanged Hex Bolt		2x	Joining Plate	
32x	M10 Flanged Lock Nut		4x	End Gusset	
2x	End Bunk		6x	Joining Gusset	
1x	Joining Bunk		4x	Track Rail	

Track components listed in these tables are *not* included with the trailer package, namely track rails, joining plates, bunks, and carriage stops. These components are found in the sawmill crate. If the trailer was purchased for an existing sawmill (i.e. the sawmill is currently assembled), the track will need to be disassembled prior to building the trailer and the following assembly instructions performed.

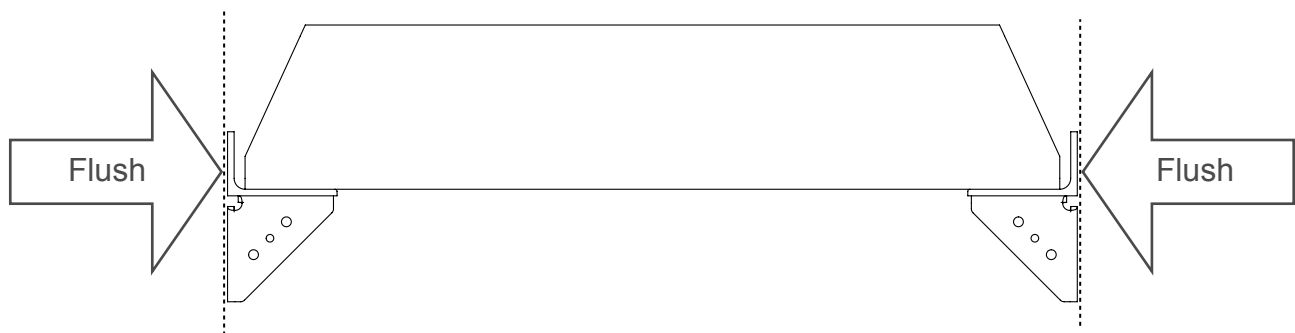


Use the fasteners included with the sawmill trailer to assemble the track. The fasteners included with the sawmill track will *not* be used.





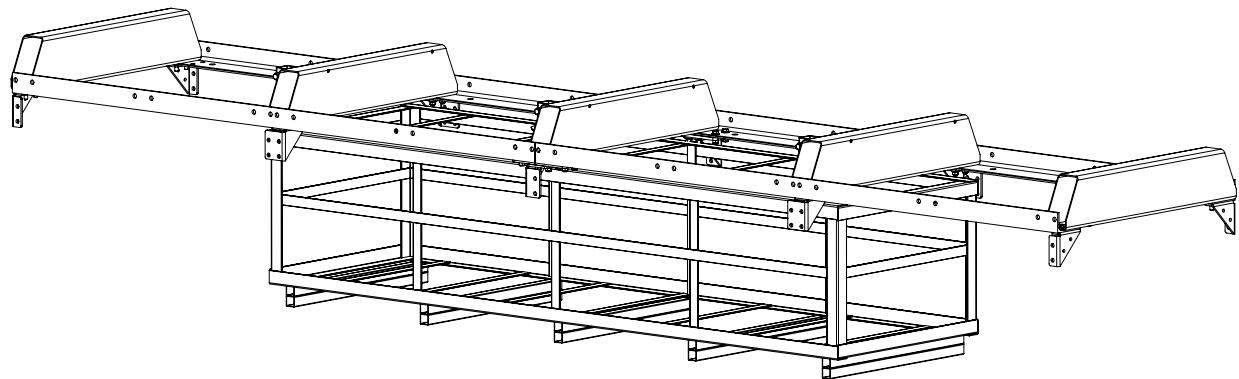
The above steps need to be completed on both left and right sides of the track. Make sure the gussets are flush with the outside face of the track rails as shown below.



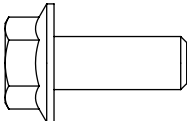
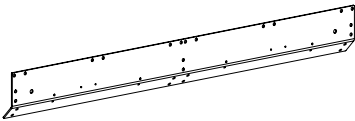
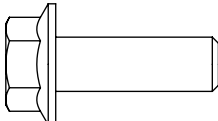
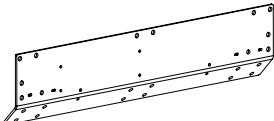

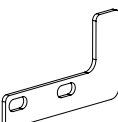


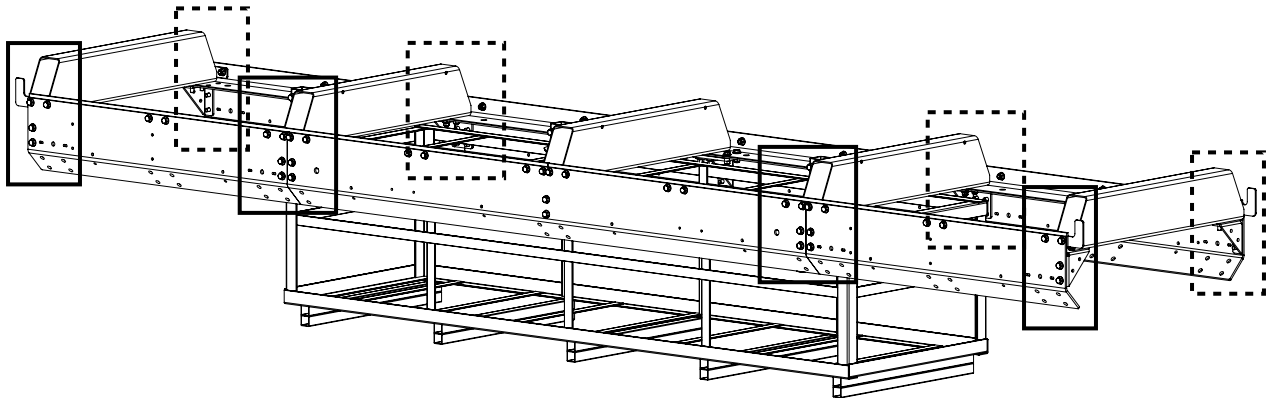
4. SIDE PLATES

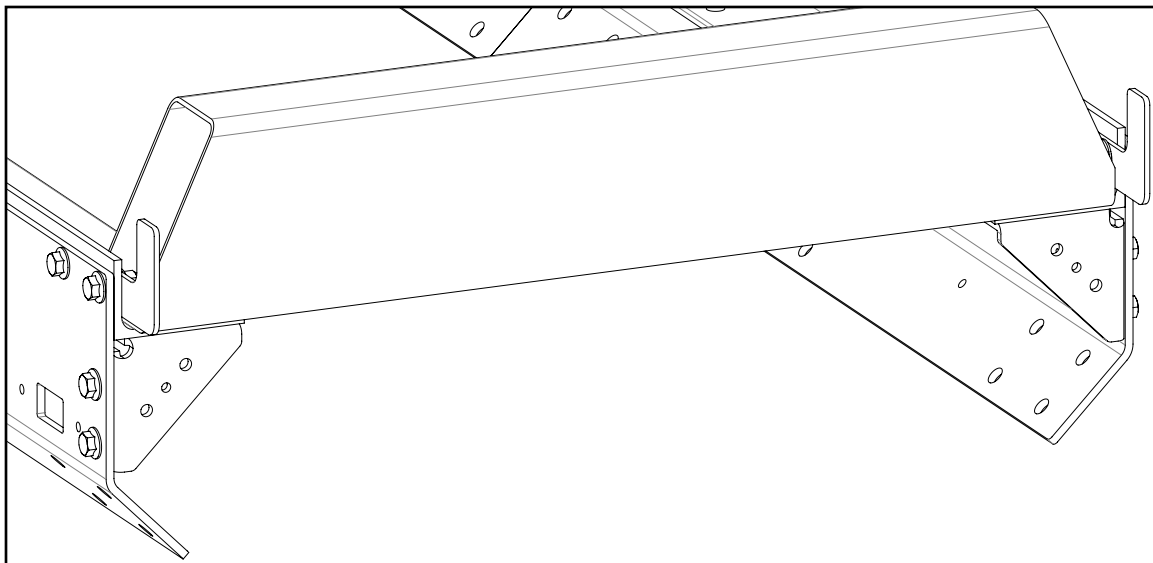
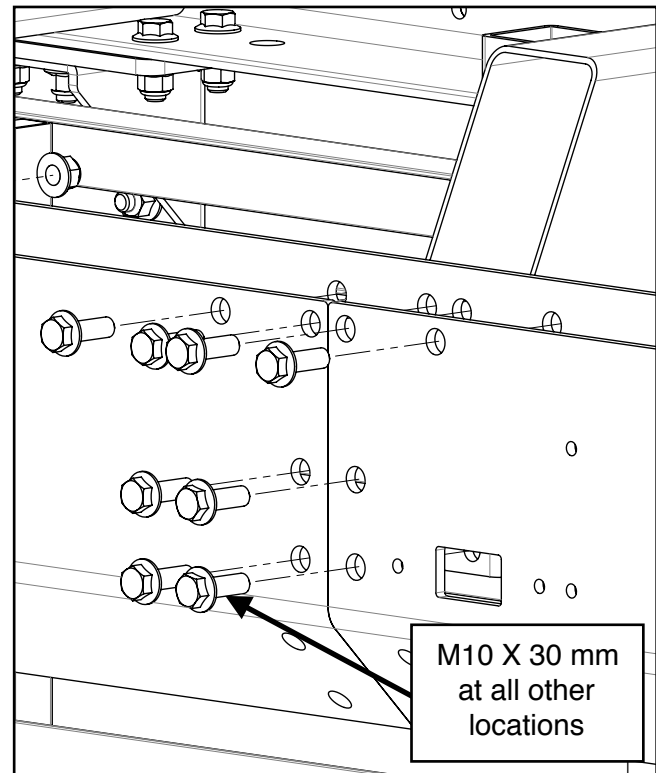
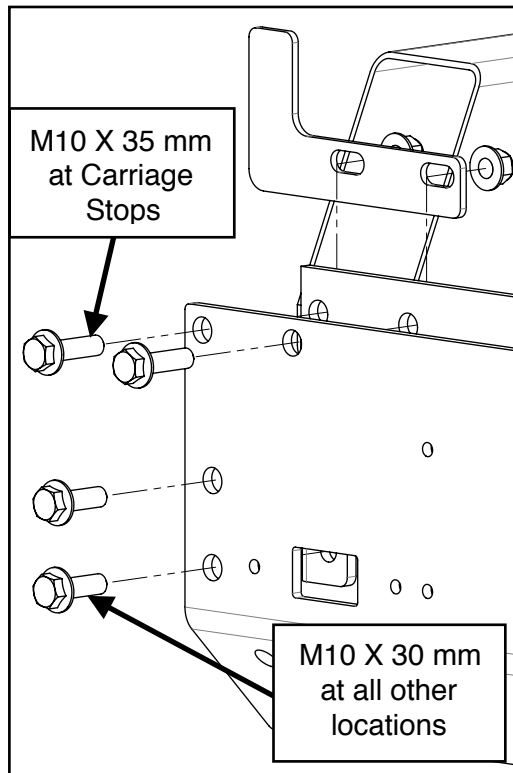
Place the track/gusset assembly on top of the shipping crate, ensuring it is centred end-to-end.



Using the hardware listed below, hang the side plates using the M10 X 30 mm and M10 X 35 mm bolts. Do not tighten these bolts. The M10 X 35 mm bolts are used with the carriage stops. The M10 X 30 mm bolts are used everywhere else.

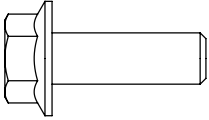
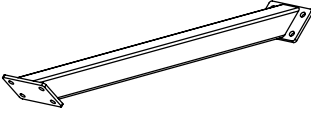
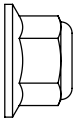
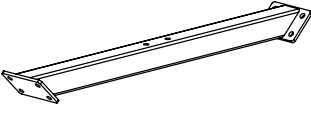
68x	M10 X 30 mm Flanged Hex Bolt		2x	Long Side Plate	
8x	M10 X 35 mm Flanged Hex Bolt		4x	Short Side Plate	
76x	M10 Flanged Lock Nut		4x	Carriage Stop	

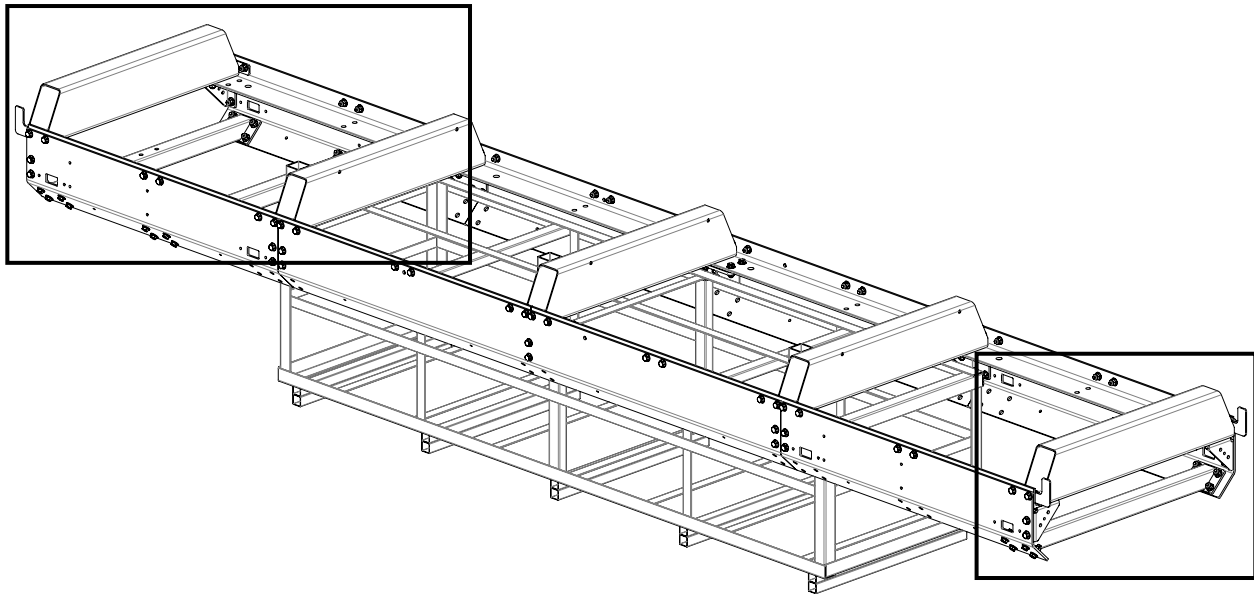


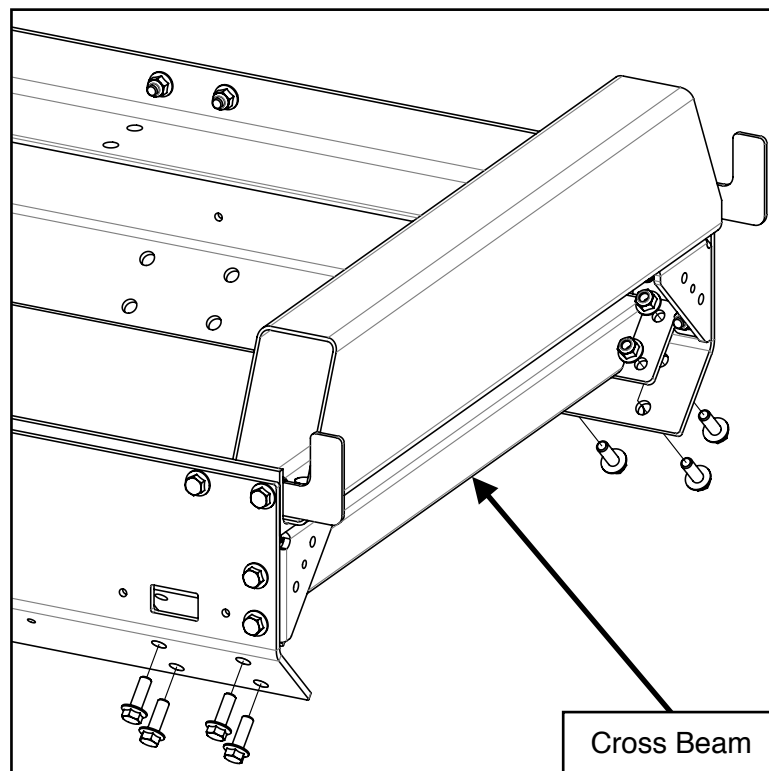
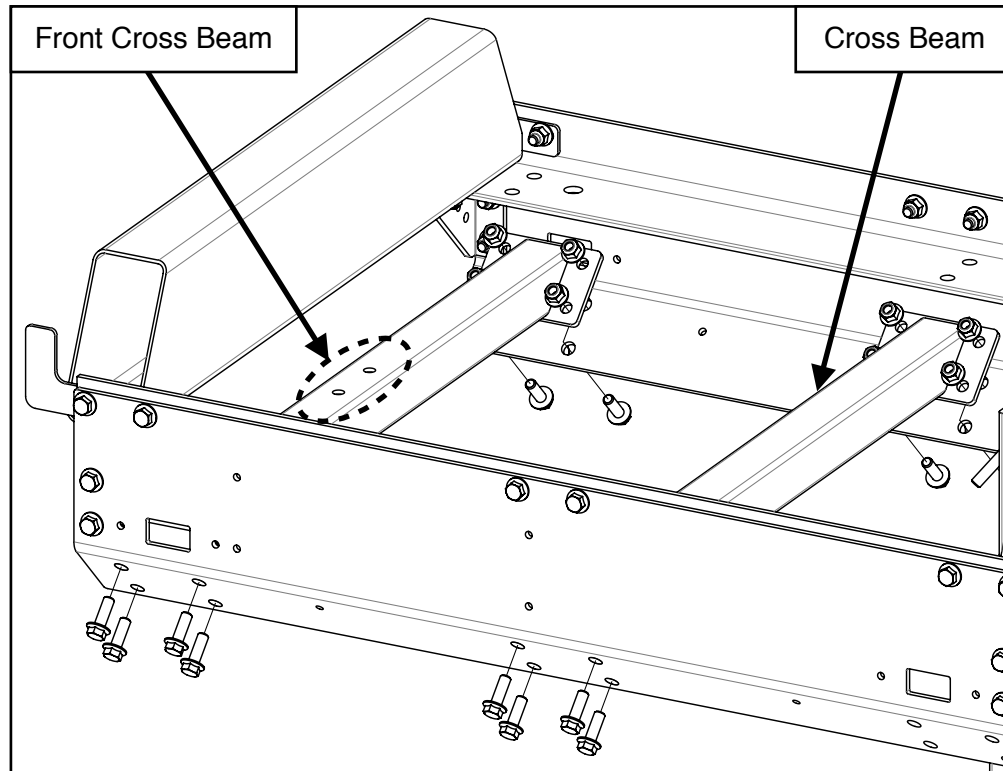


5. FRONT AND REAR CROSS BEAMS

Using the hardware listed below, install the front and rear cross beams (2 front, 1 rear). Ensure the cross beam with the two holes is assembled at the front. Do not tighten these bolts.

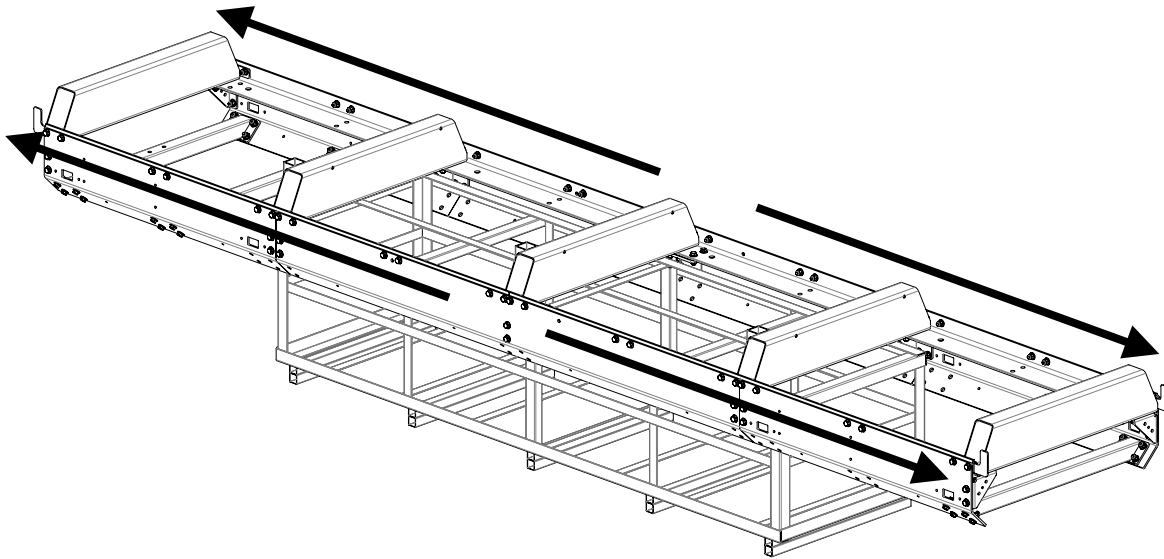
24x	M10 X 30 mm Flanged Hex Bolt		2x	Cross Beam	
24x	M10 Flanged Lock Nut		1x	Front Cross Beam	



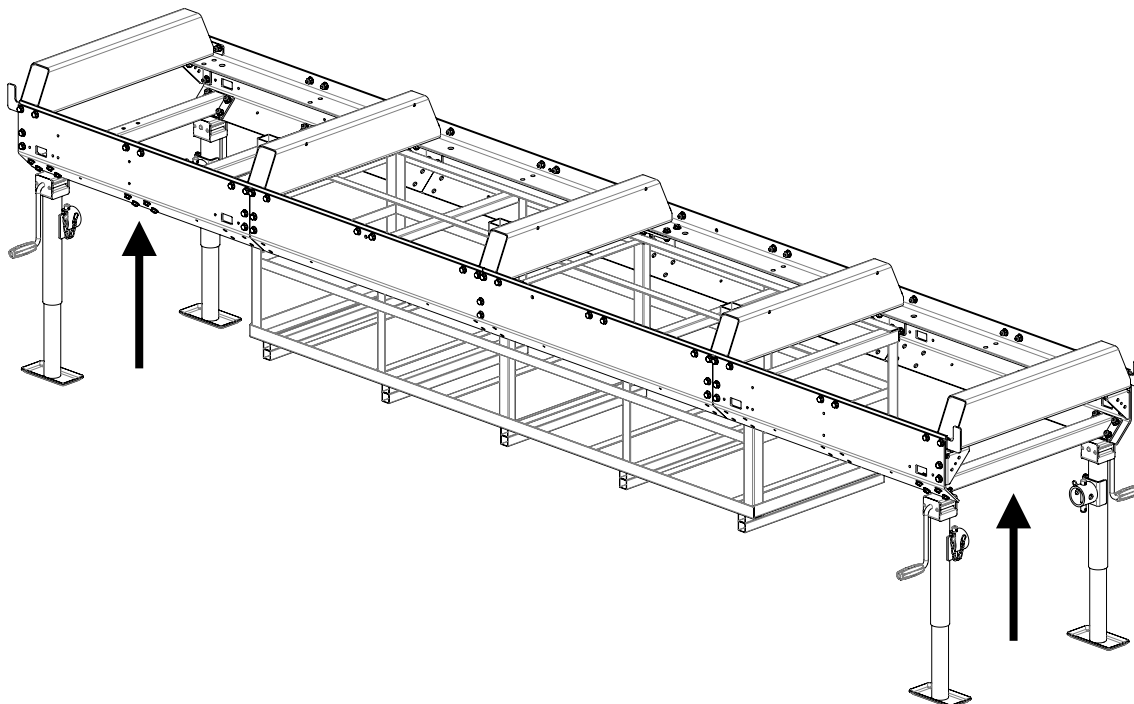


6. BOLT TORQUING AND JACK STANDS

Torque all bolts per the table in section, ***BOLT TORQUE SPECIFICATIONS***, starting from the centre and working towards the outer ends. Ensure the track is straight, level, and square during this procedure.

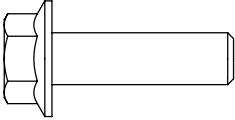
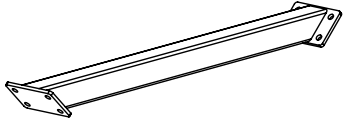
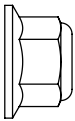
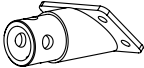


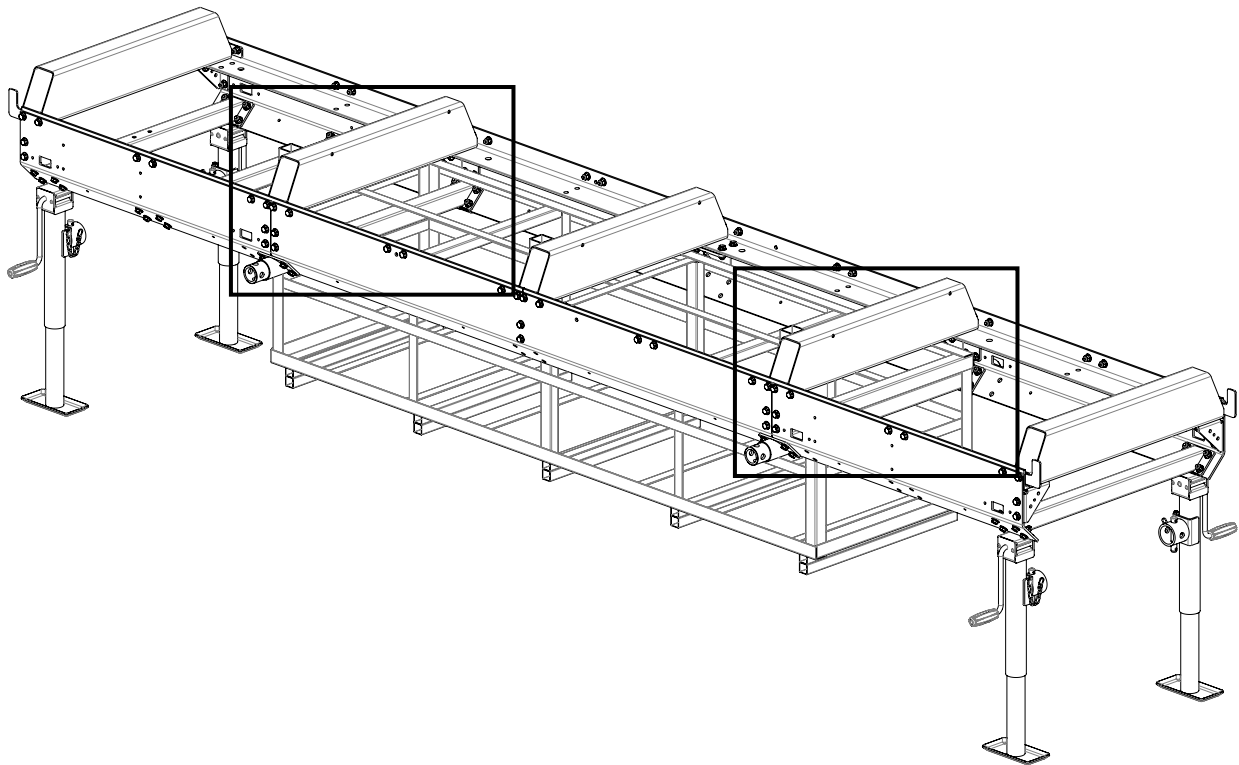
Position the 4 jack stands under the front and rear cross beams and wind the jack handles until they are fully extended.

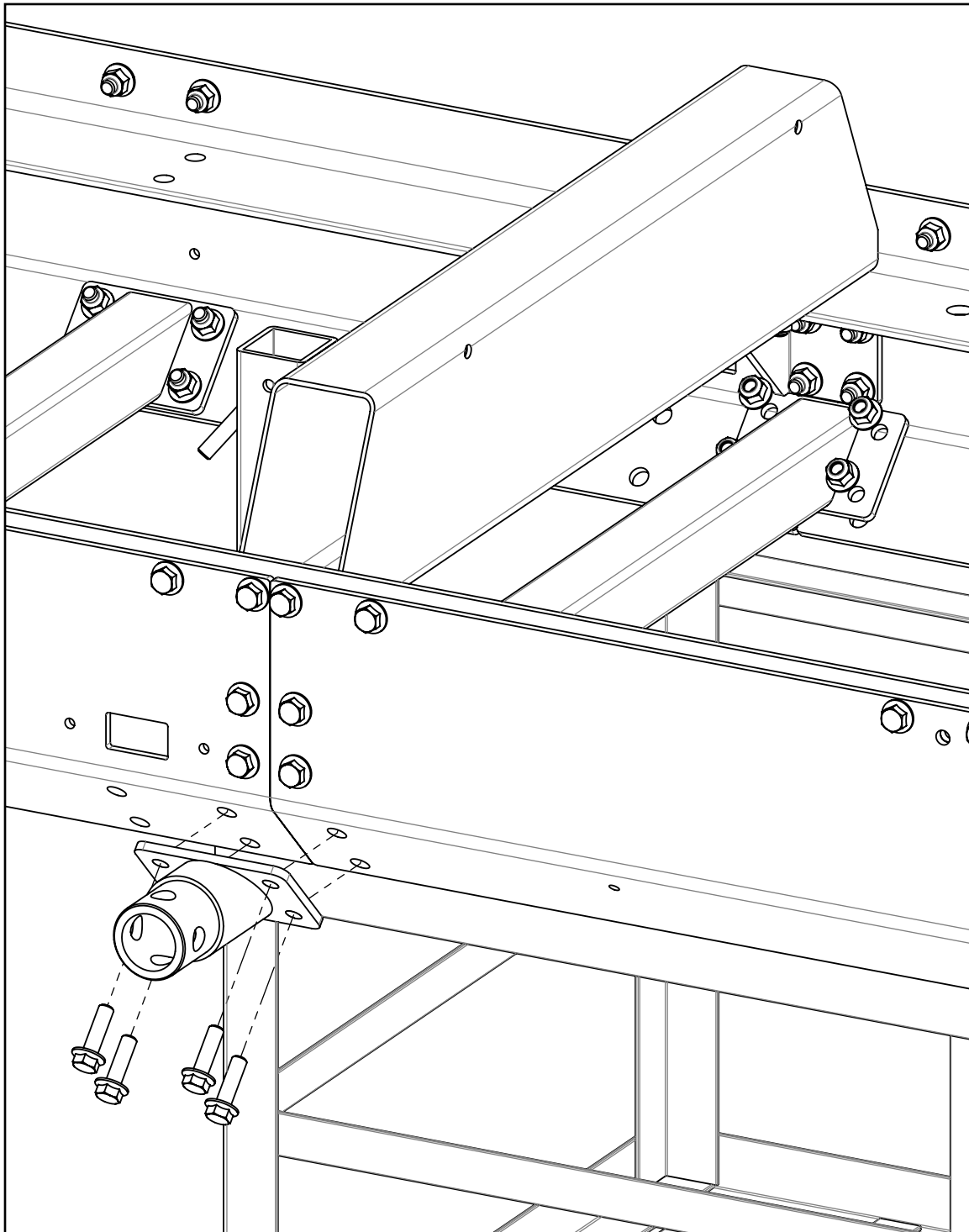


7. INNER CROSS BEAMS AND JACK MOUNTS

Using the hardware listed below, install the 2 remaining cross beams and 4 jack mounts. Torque all the bolts per the table in section ***BOLT TORQUE SPECIFICATIONS***.

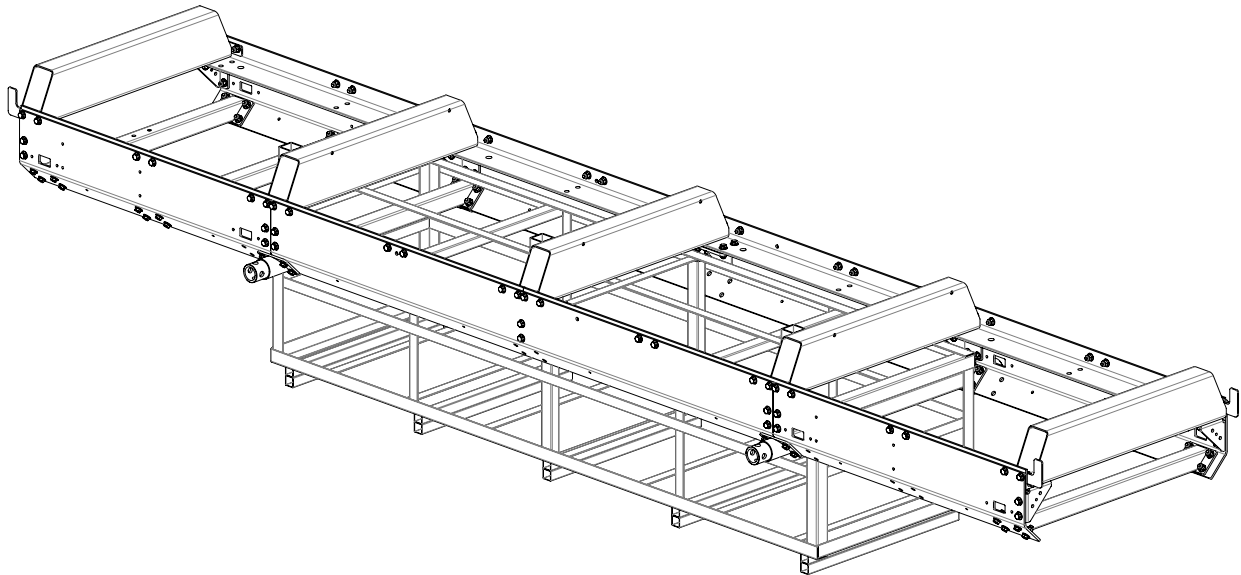
16x	M10 X 35 mm Flanged Hex Bolt		2x	Cross Beam	
16x	M10 Flanged Lock Nut		4x	Jack Mount	



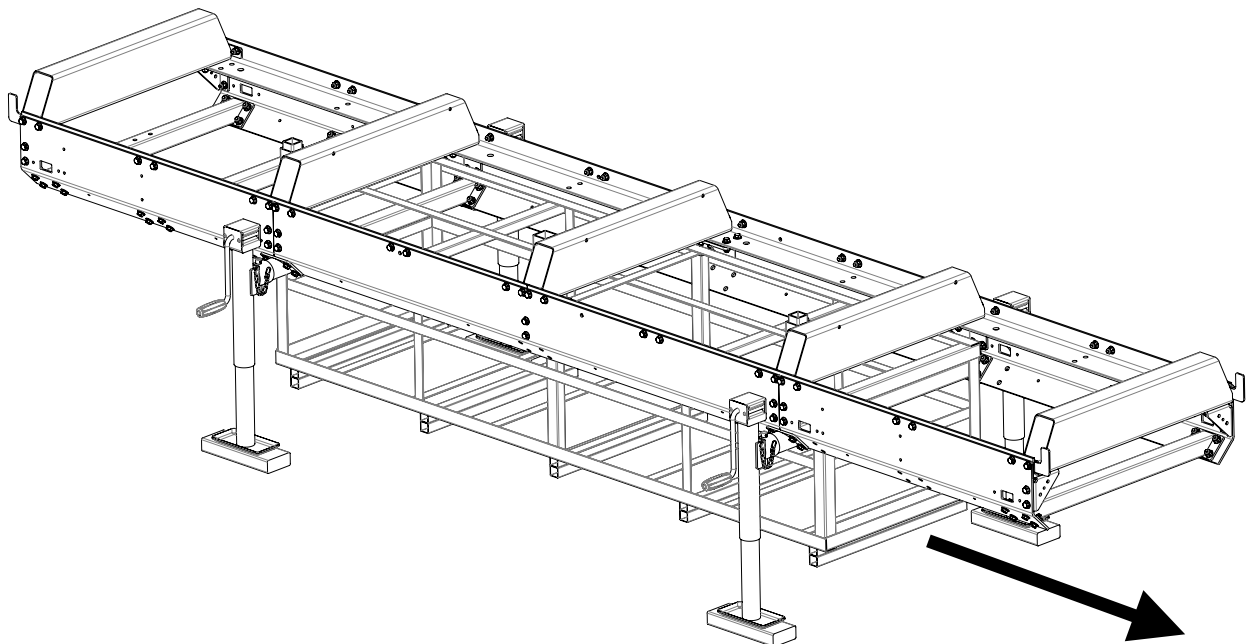




Next, lower the trailer onto the crate and remove the jacks.

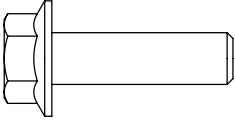
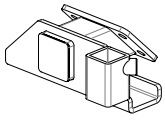
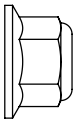
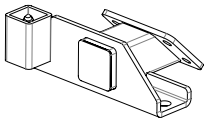
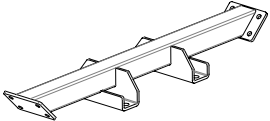


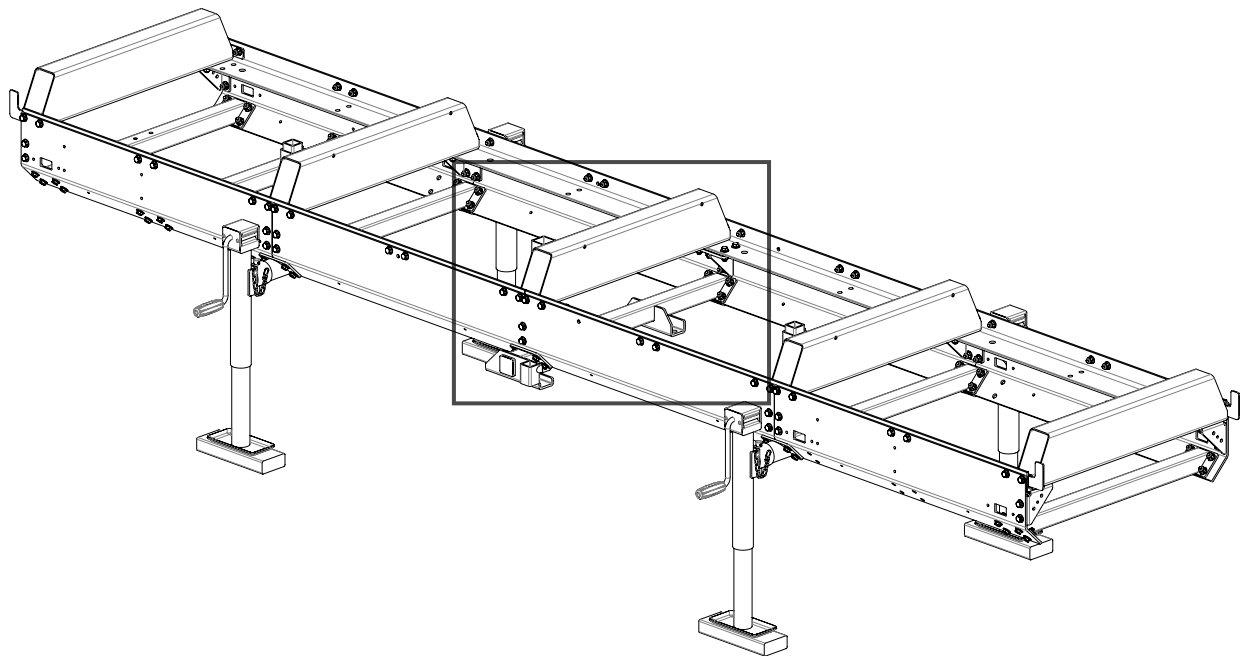
Slide the jacks onto the jack mounts and secure them with the pin chained to the jack. Raise the jacks up to slide the crate out from under the trailer assembly. Place blocks of wood underneath each jack stand if necessary to achieve the required height.

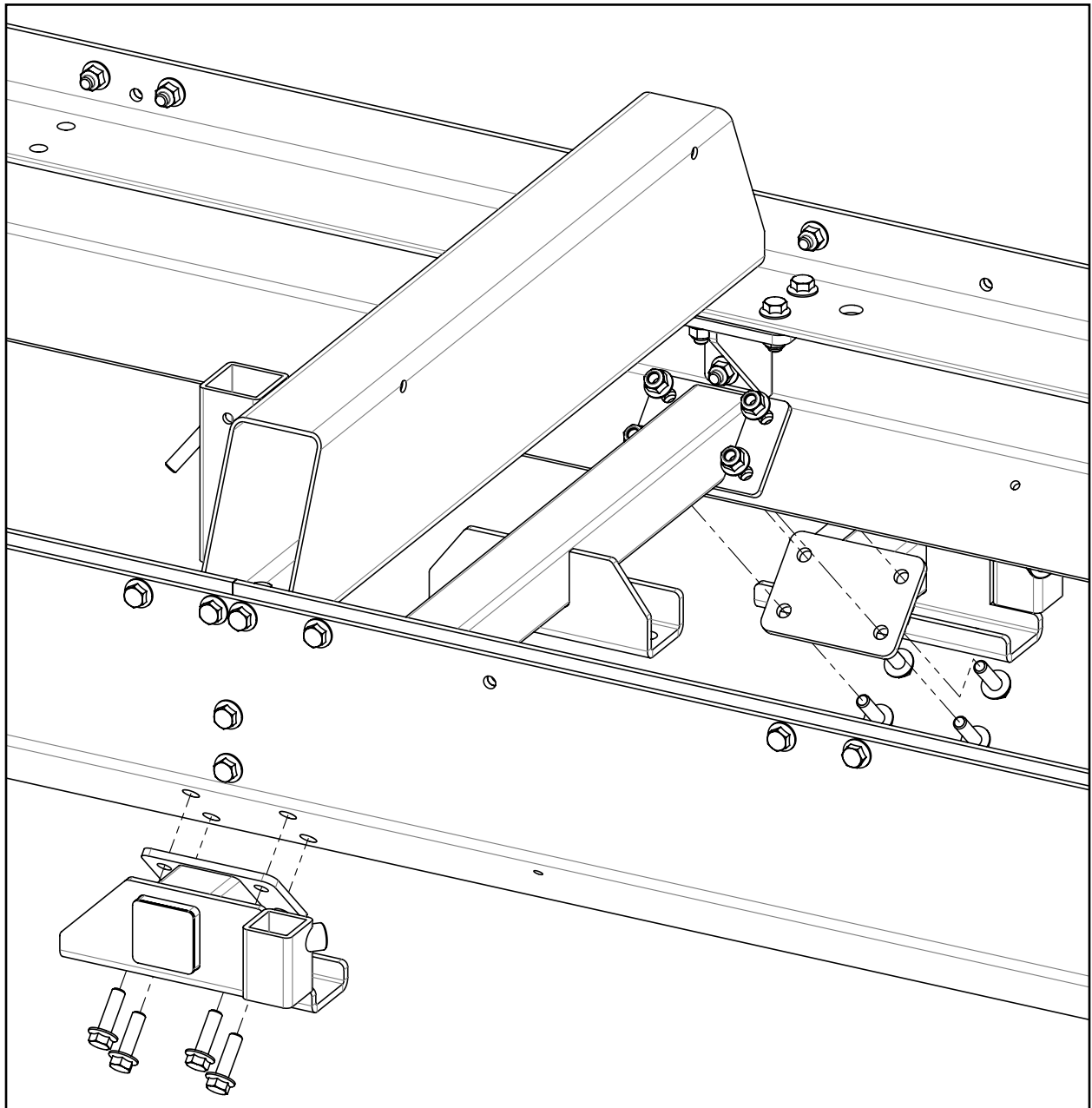


8. AXLE MOUNTS AND AXLE CROSS BEAM

Using the hardware listed below, install the axle mount cross beam and left/right axle mounts with fender adapter as shown. Tighten these bolts.

8x	M10 X 35 mm Flanged Hex Bolt		1x	Axle Mount w/ Fender Adapter [Left]	
8x	M10 Flanged Lock Nut		1x	Axle Mount w/ Fender Adapter [Right]	
			1x	Axle Mount Cross Beam	

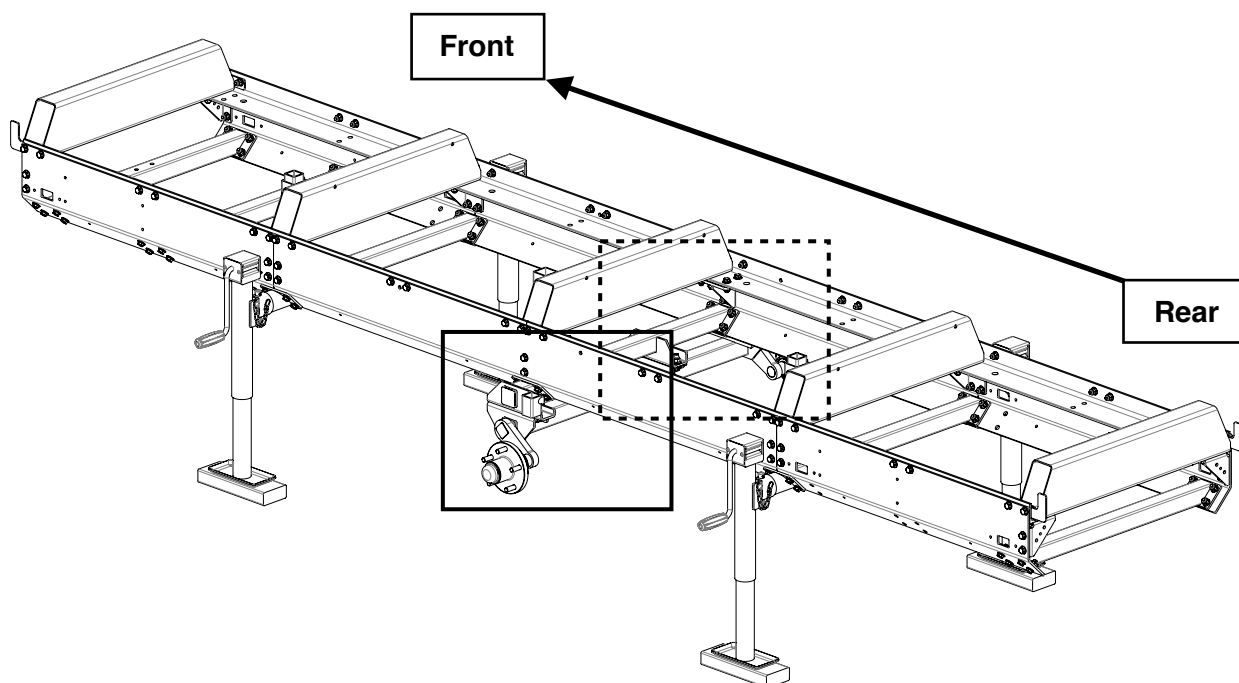


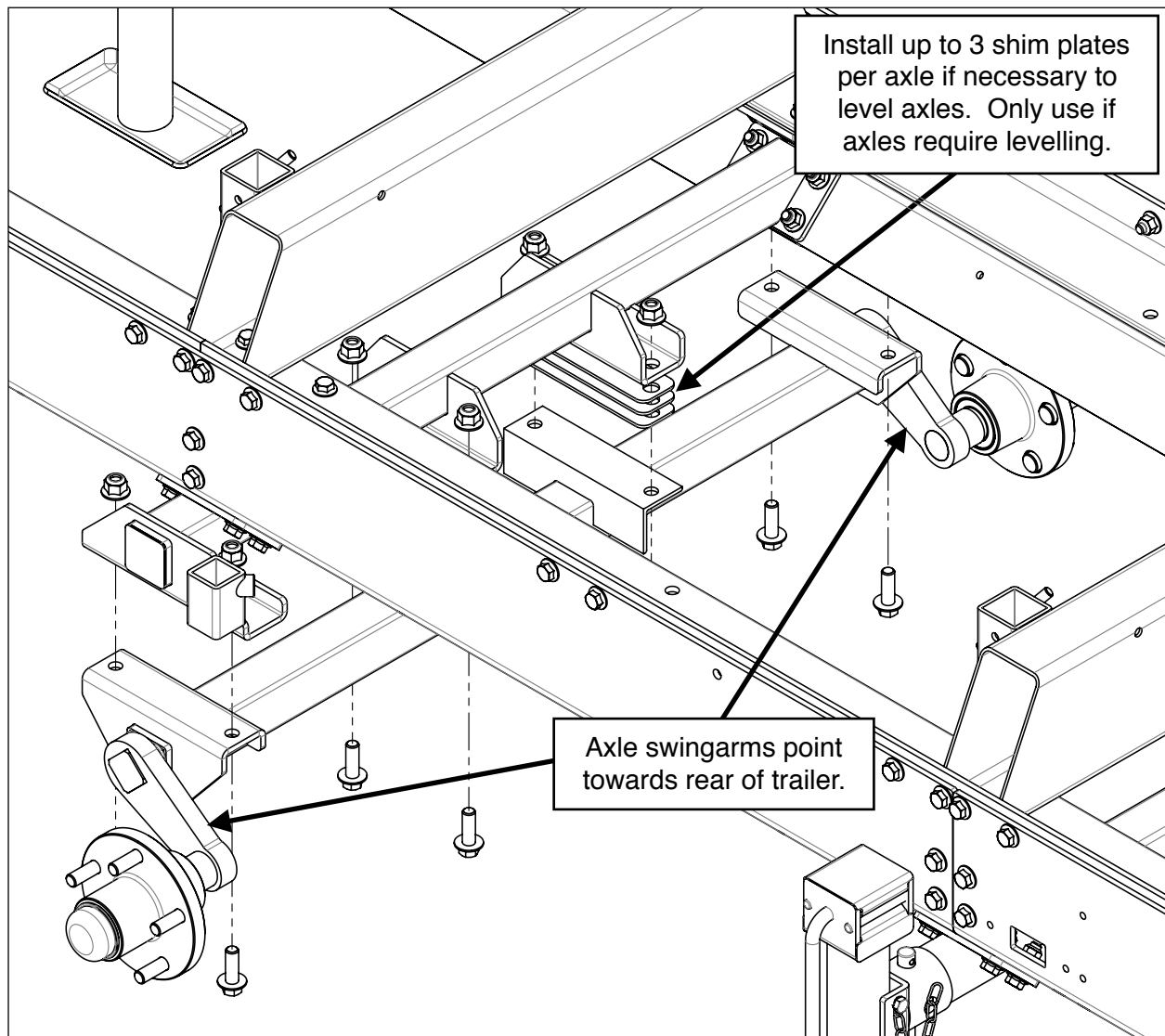


9. AXLES

Using the hardware listed below, install the axles as shown on the next page. Tighten these bolts to the ***specified torque***. Place a bubble level across both axles and check for level. If the level is off, use axle shim plates between the inner axle mounting face and axle cross beam to ensure the axles ride level. The shims are not necessary if the axles sit level after assembly.

8x	M12 X 35 mm Flanged Hex Bolt		1x	Axle [Left]	
8x	M12 Flanged Lock Nut		1x	Axle [Right]	
			6x	Axle Shim Plate	

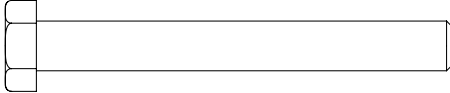
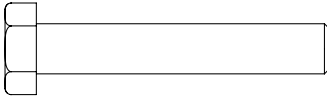

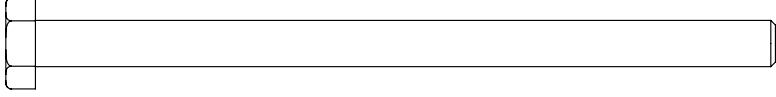


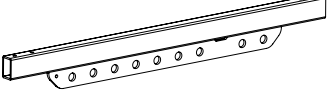
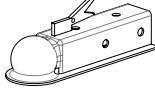
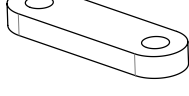
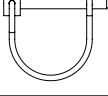


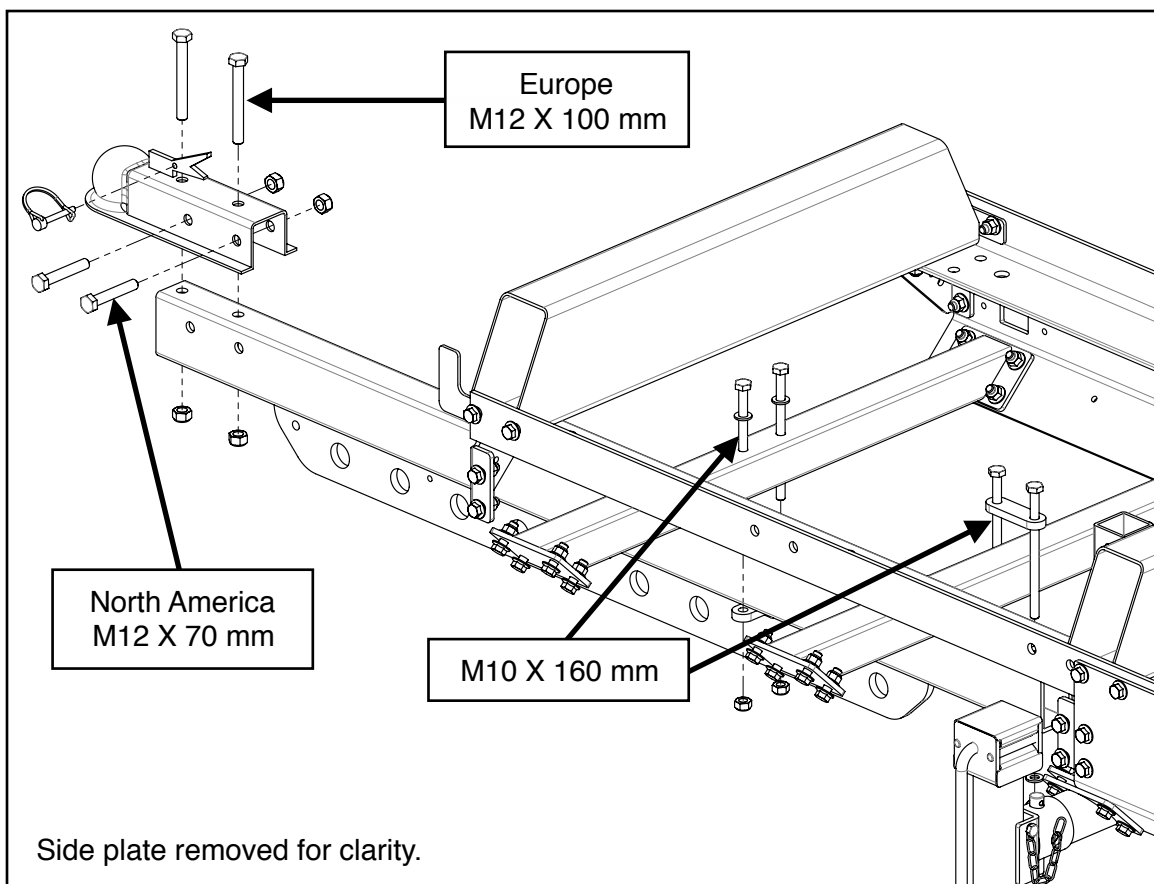
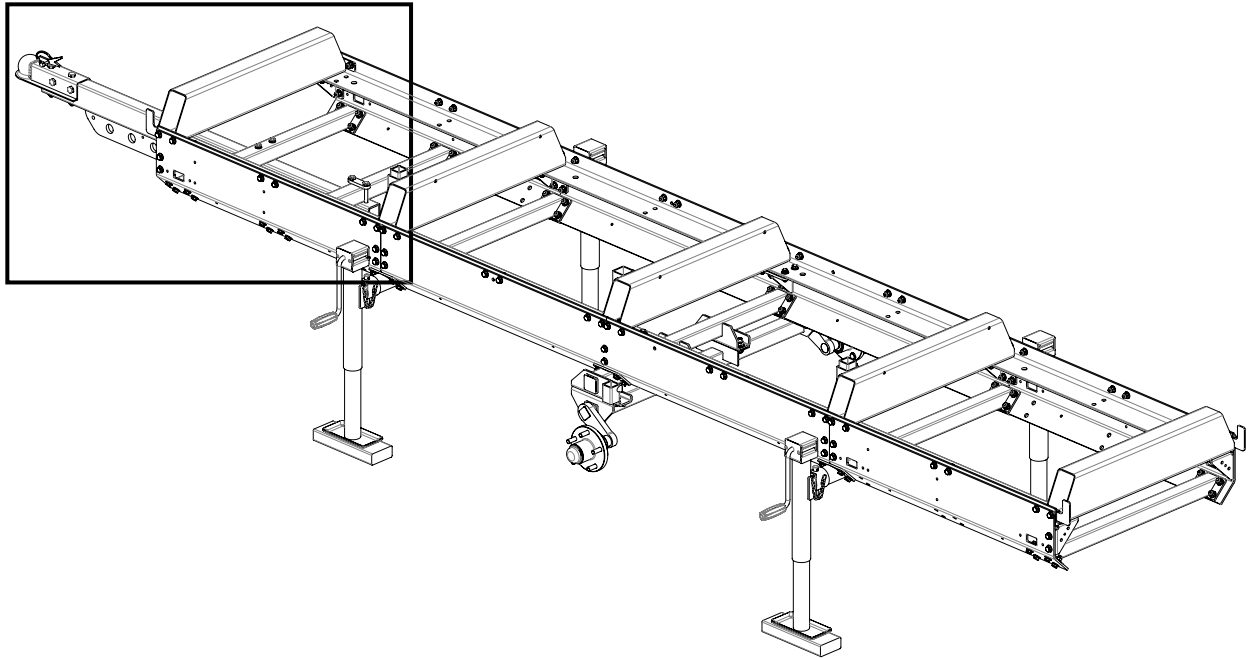




10. TONGUE AND COUPLER

Using the hardware listed below, install the trailer tongue and hitch coupler. Don't tighten the M10 X 160 mm bolts in this step since the plug for the lights will be routed through the tongue in the following step. Tighten the coupler bolts.

2x	M12 X 100 mm Hex Bolt (Europe Only)	
2x	M12 X 70 mm Hex Bolt (North America)	
2x	M12 Lock Nut	
4x	M10 X 160 mm Hex Bolt	
4x	M10 Flat Washer	
4x	M10 Lock Nut	
1x	Tongue	
1x	Hitch Coupler	
2x	Tongue Bracket	
1x	Locking Pin	

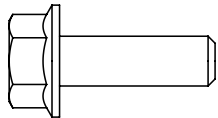
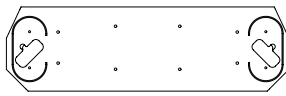
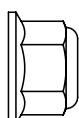
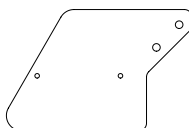
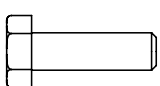
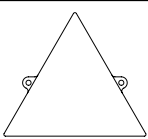

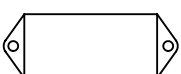

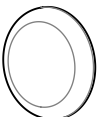
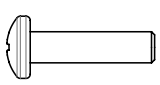
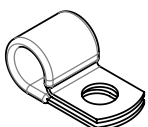

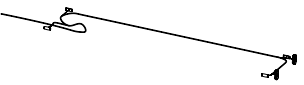



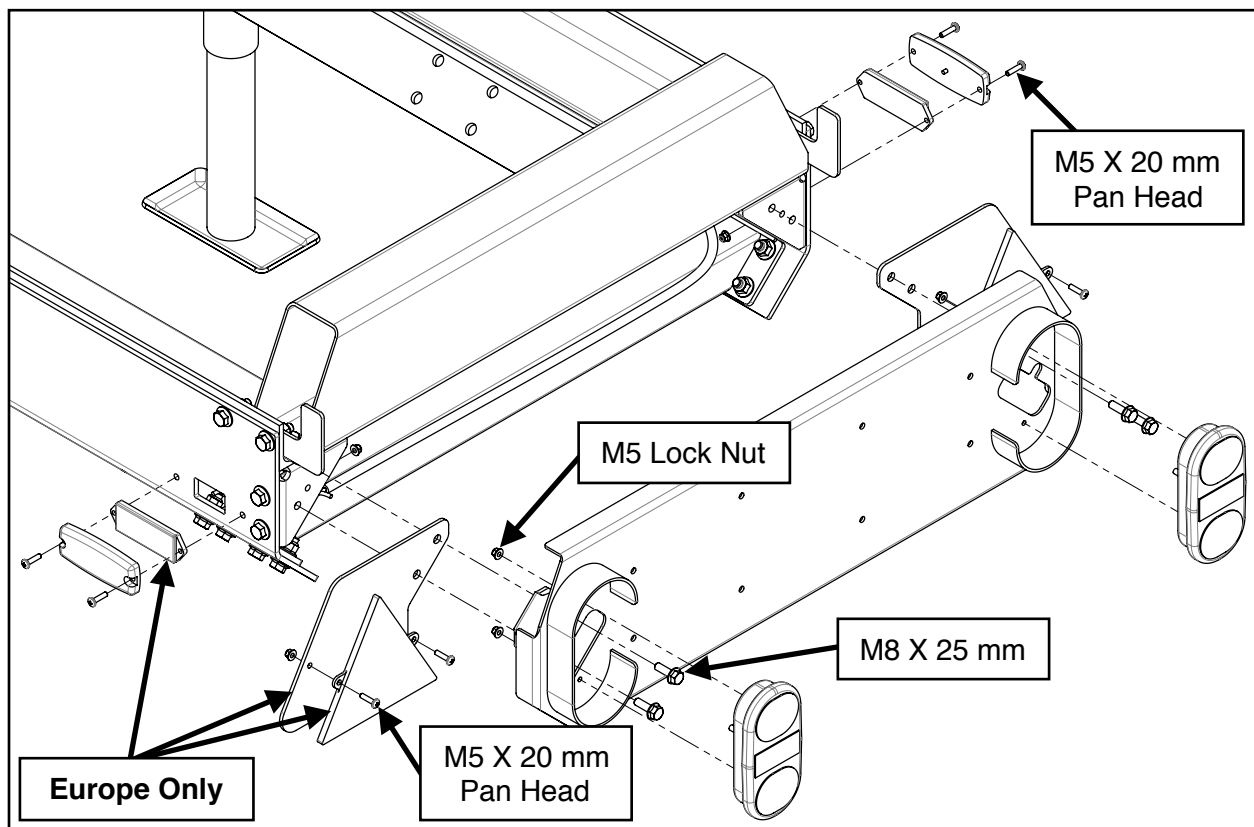
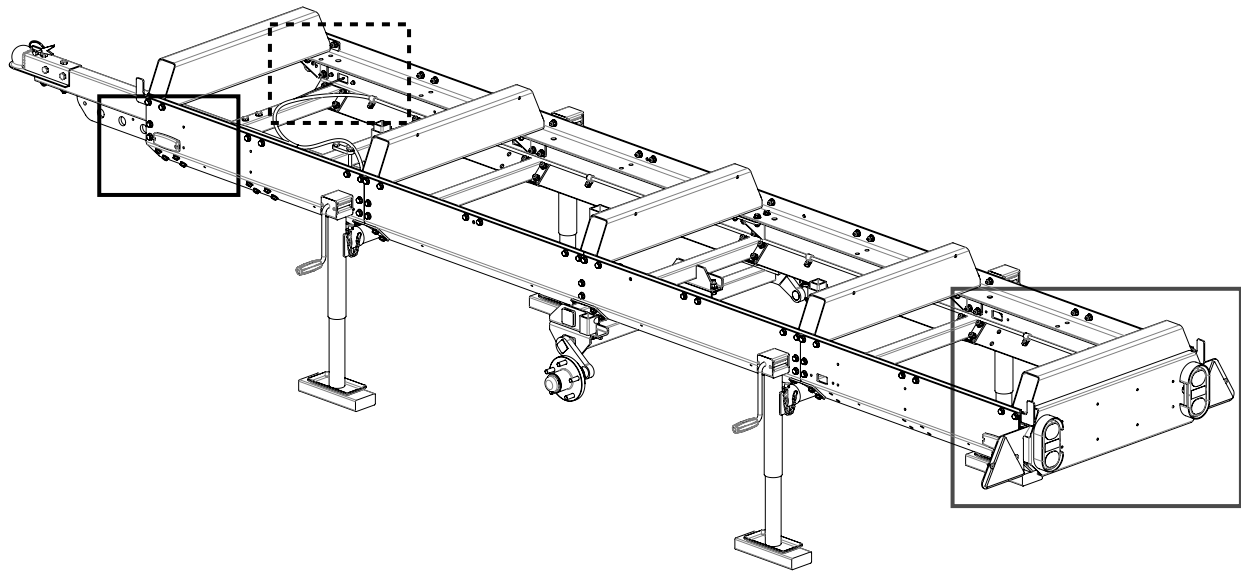


11. LIGHTING

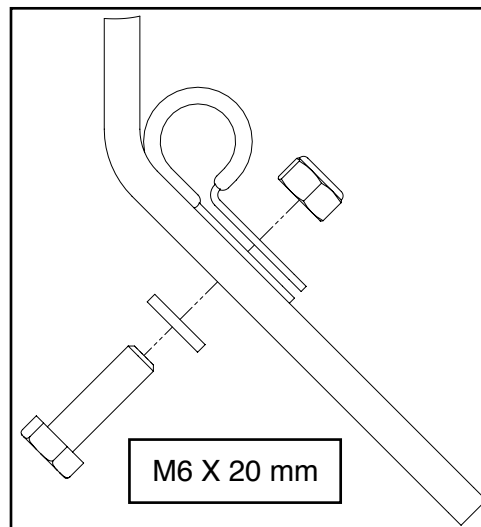
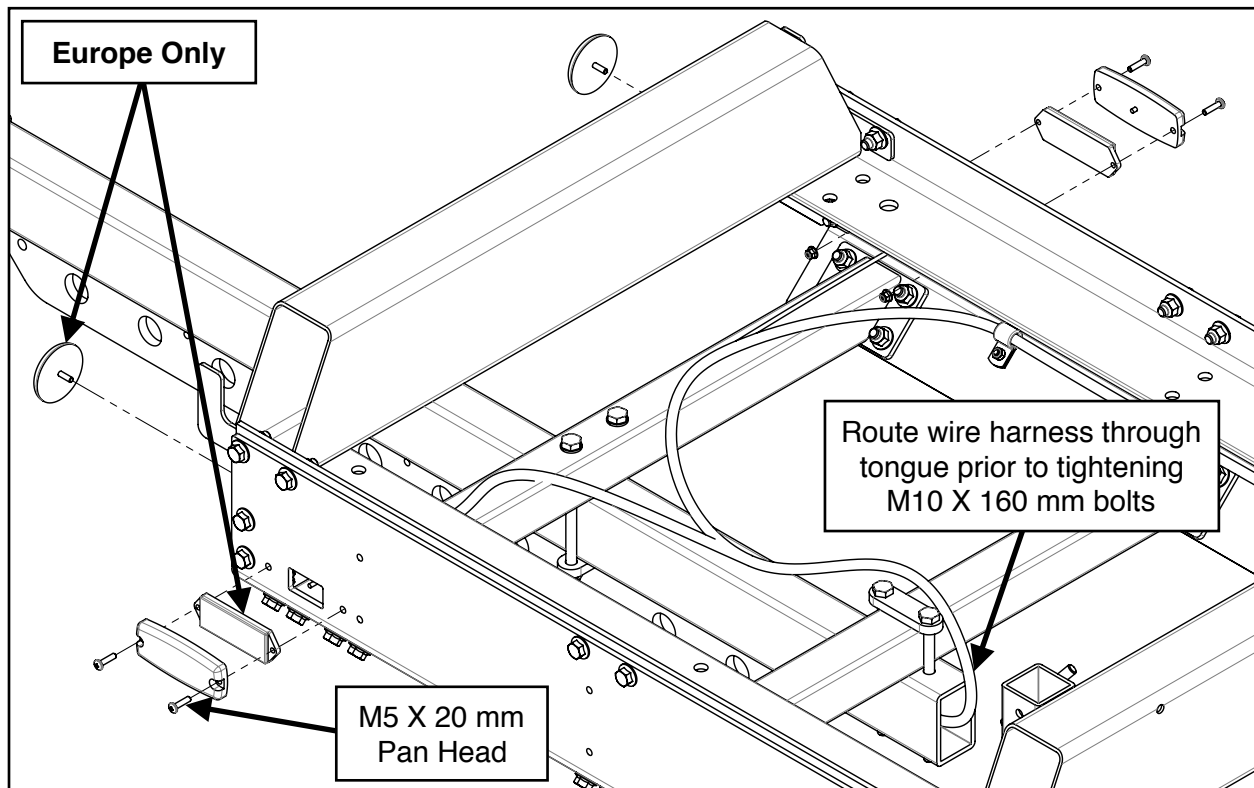
Using the hardware listed below, install the light bar and country appropriate wire harness. Secure tail lights to the light bar using M5 flanged lock nuts before mounting light bar to trailer. Use cable clamps to secure wire harness to side plates down right-side of trailer. Tighten all bolts. The M10 X 160 mm tongue bolts from the previous step can now be tightened after wiring has been routed through the tongue.

On the European version, install the 4 side reflectors, 2 front reflectors, and 2 rear reflector brackets and reflectors as shown on the following pages. There are no red/amber side lights on the European wire harness like the ones included with the North American version.

4x	M8 X 25 mm Flanged Hex Bolt		1x	Light Bar	
4x	M8 Flanged Lock Nut		2x	Rear Reflector Bracket (Europe Only)	
8x	M6 X 20 mm Hex Bolt		2x	Rear Reflector (Europe Only)	
8x	M6 Flat Washer		4x	Side Reflector (Europe Only)	
8x	M6 Lock Nut		2x	Front Reflector (Europe Only)	
12x	M5 X 20 mm Pan Head Screw (4x Europe Only)		8x	Cable Clamp	
12x	M5 Flanged Lock Nut (4x Europe Only)		1x	Wire Harness (North America Only)	
			1x	Wire Harness (Europe Only)	



Note: tail lights (North America and Europe) and side lights (North America only) are integral to the wire harness. They are shown exploded for assembly clarity.

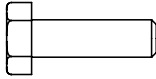





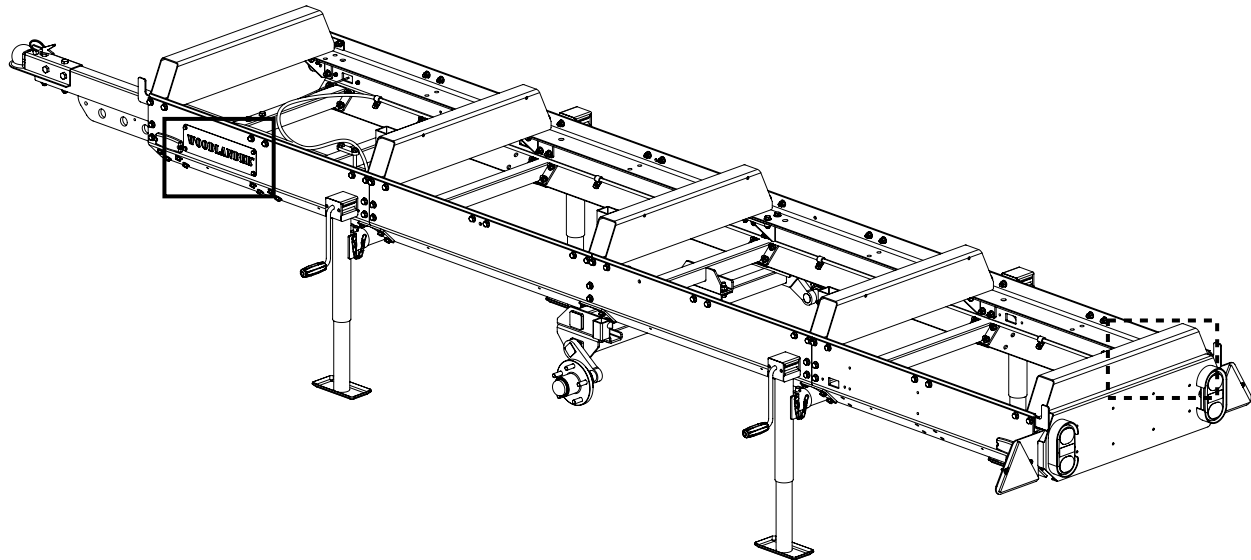
There are 2 cable clamps per short side plate (2) and 4 per long side plate (1) for a total of 8. Cable clamps are installed down the right-hand side of the trailer only. Use the M6 X 20 mm hex bolts, M6 washers, and M6 lock nuts as shown. This applies to both North American and European models.

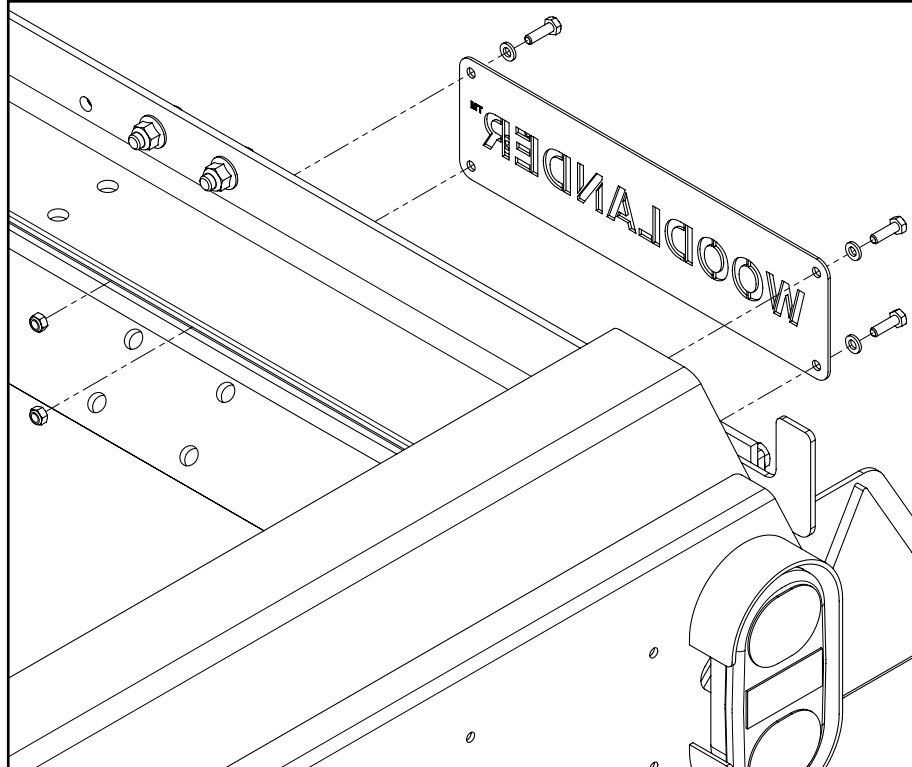
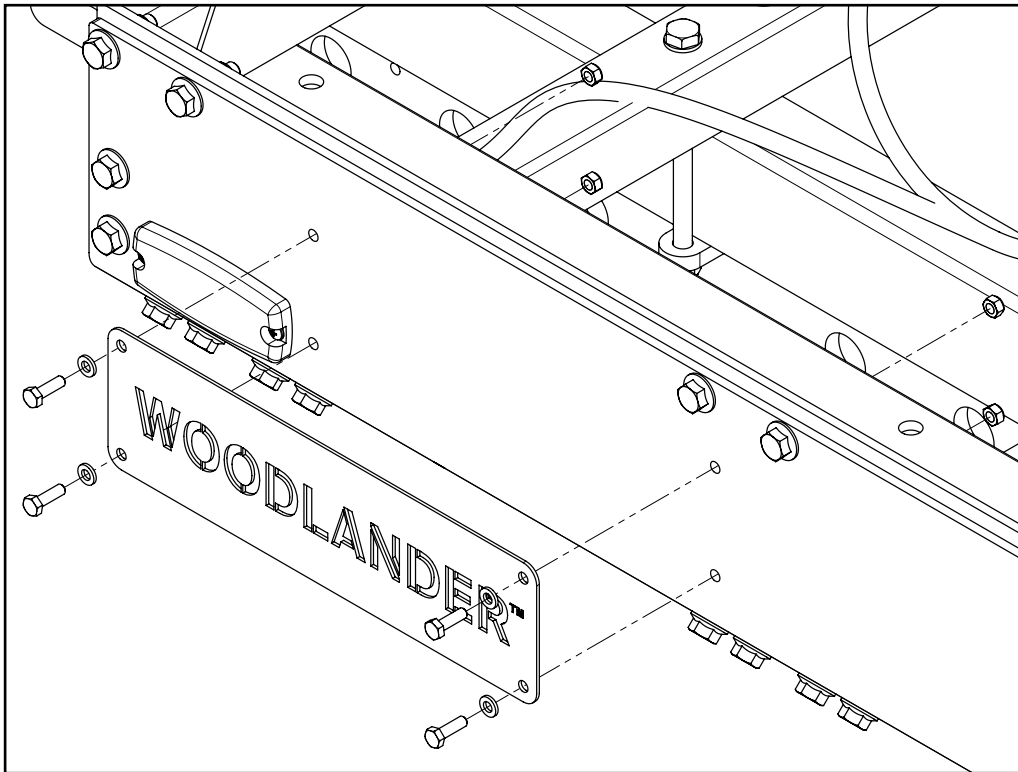


12. BADGES

Using the hardware listed below, install the two (2) *Woodlander* badges as shown.

8x	M6 X 20 mm Hex Bolt		2x	Woodlander Badge	
8x	M6 Flat Washer				
8x	M6 Lock Nut				

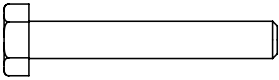
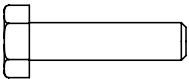


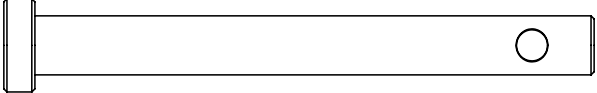
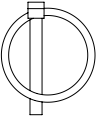
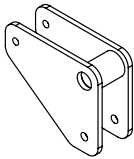





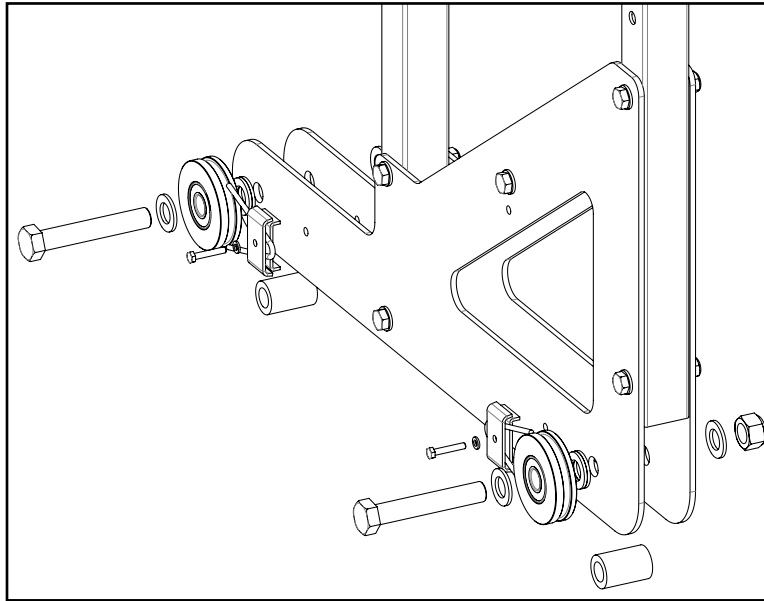


13. HEAD LOCK-DOWN BRACKETS

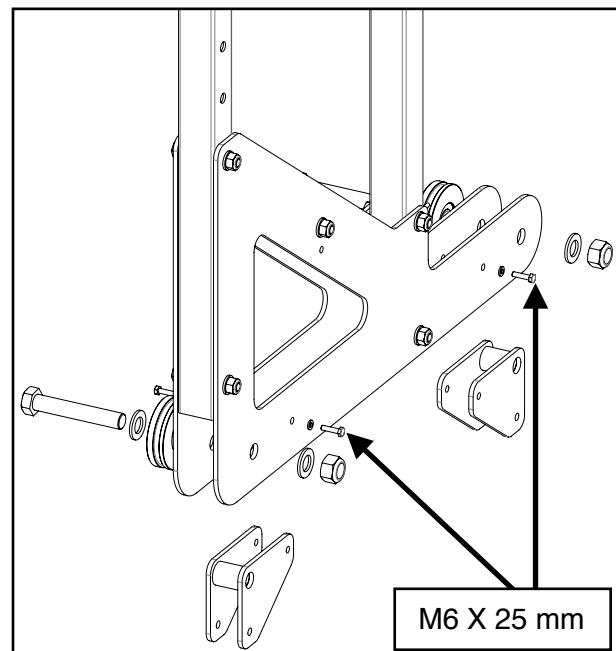
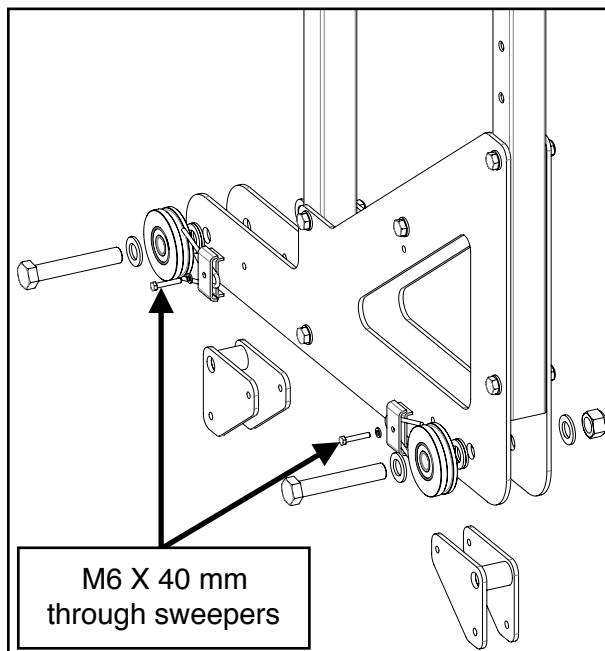
Place the assembled saw head on the trailer. Using the hardware listed below, install the head lock down brackets as shown on the next page. Tighten these bolts to the ***specified torque***.

4x	M6 X 40 mm Hex Bolt	
4x	M6 X 25 mm Hex Bolt	
16x	M6 Flat Washer	
8x	M6 Lock Nut	
4x	Lock-Down Pin	
4x	Linch Pin	
4x	Head Lock- Down Bracket	
1x	3/8" Drill Bit	

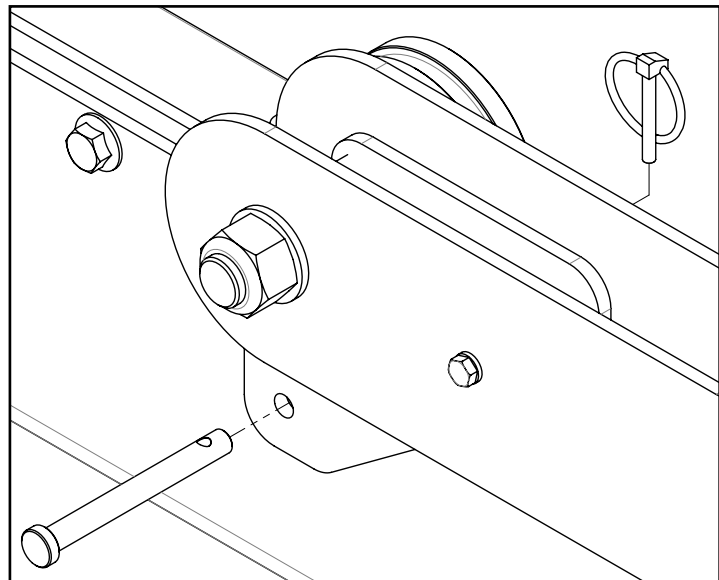
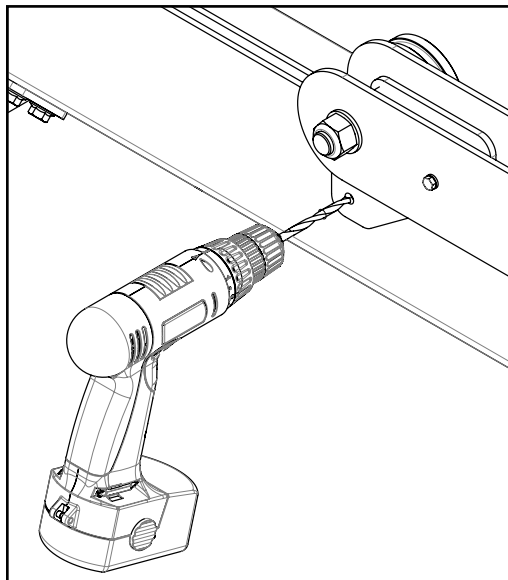
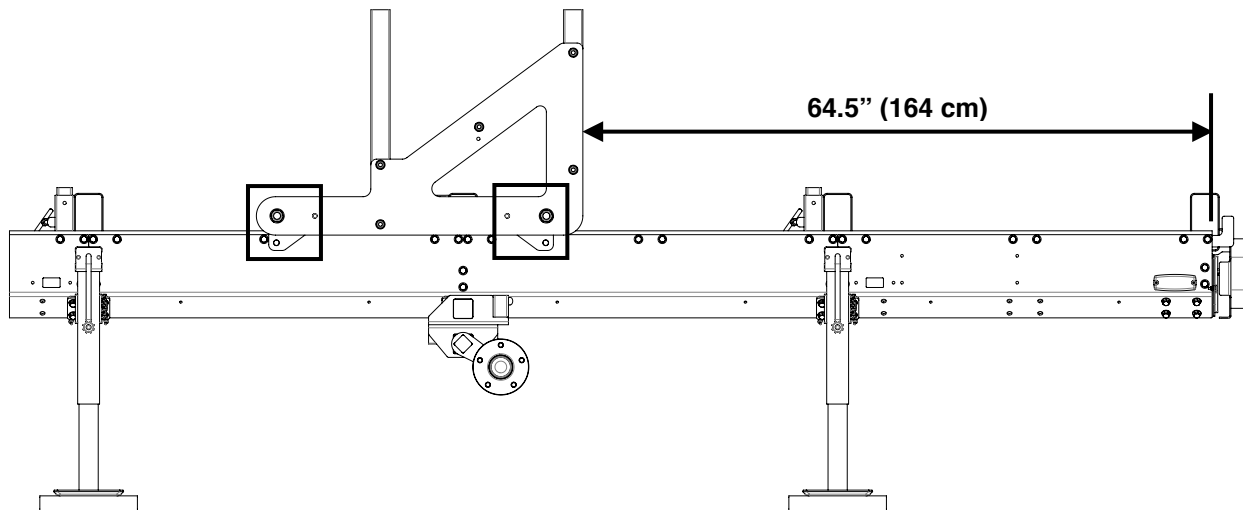
Remove the spacers (4x) from in-between the side plates as shown.



Using the provided M6 X 40 and M6 X 25 mm bolts, install the brackets in place of the spacers. Reuse the four (4) M6 flat washers from the wheel sweepers on the sawmill when replacing the bolts.

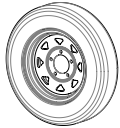
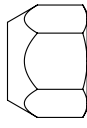


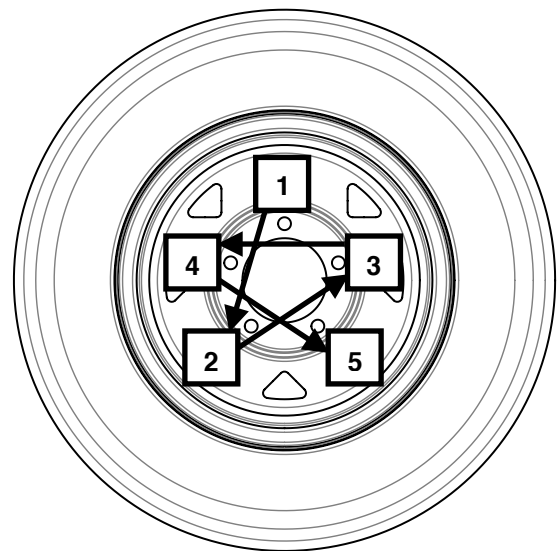
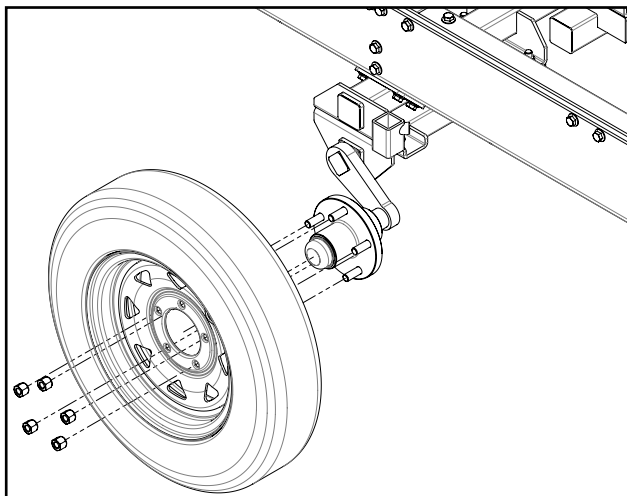
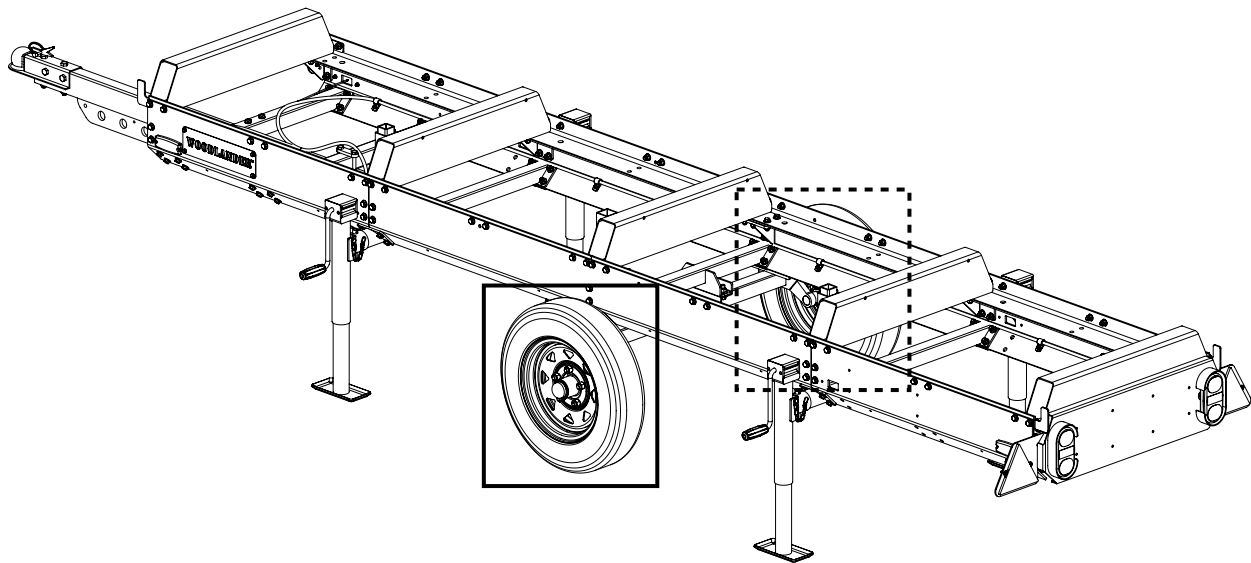
Drill four (4) holes for the lock-down brackets using the provided 3/8" drill bit. Measure 64.5" (164 cm) from the rear edge of the track rail (not the carriage stop) to the rear post of the saw head. Insert a locking pin into each hole as they are drilled. Secure each locking pin with a linch pin.



14. WHEELS

Using the hardware listed below, install the tires on the axles. Using a torque wrench, torque the lug nuts to 80 ft•lb / 110 N•m following the pattern shown below.

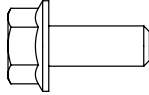
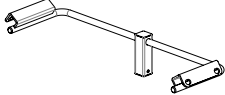


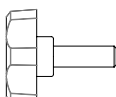
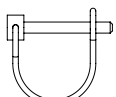
2x	5.30-12 Wheel		10x	1/2-20 Lug Nut	
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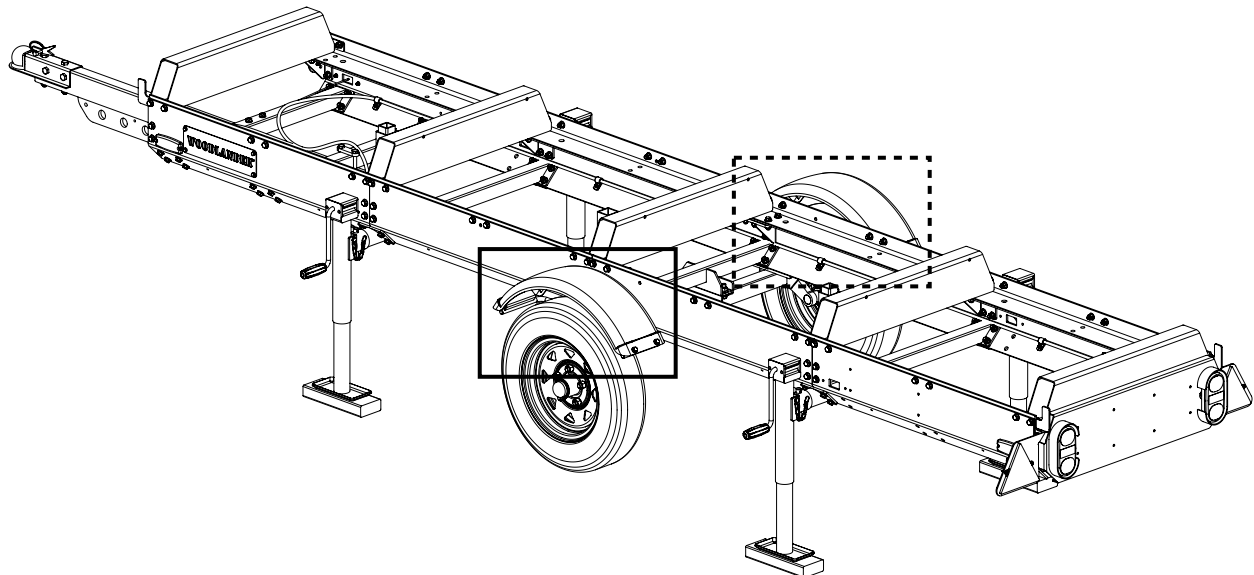


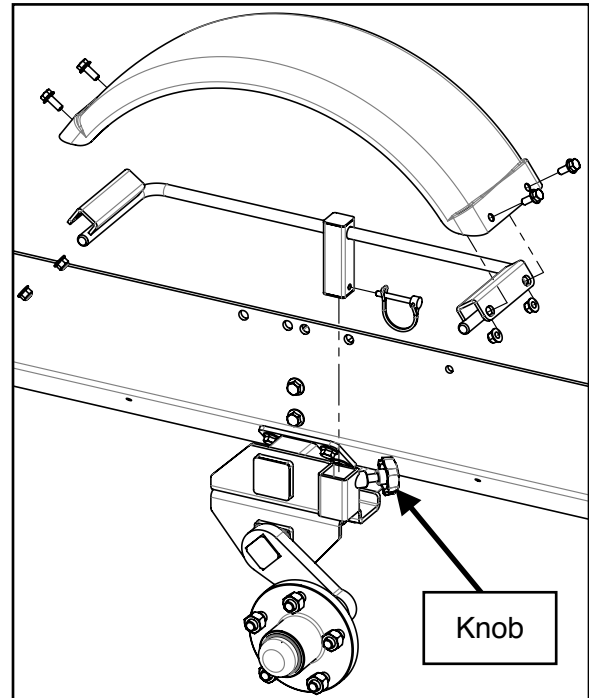
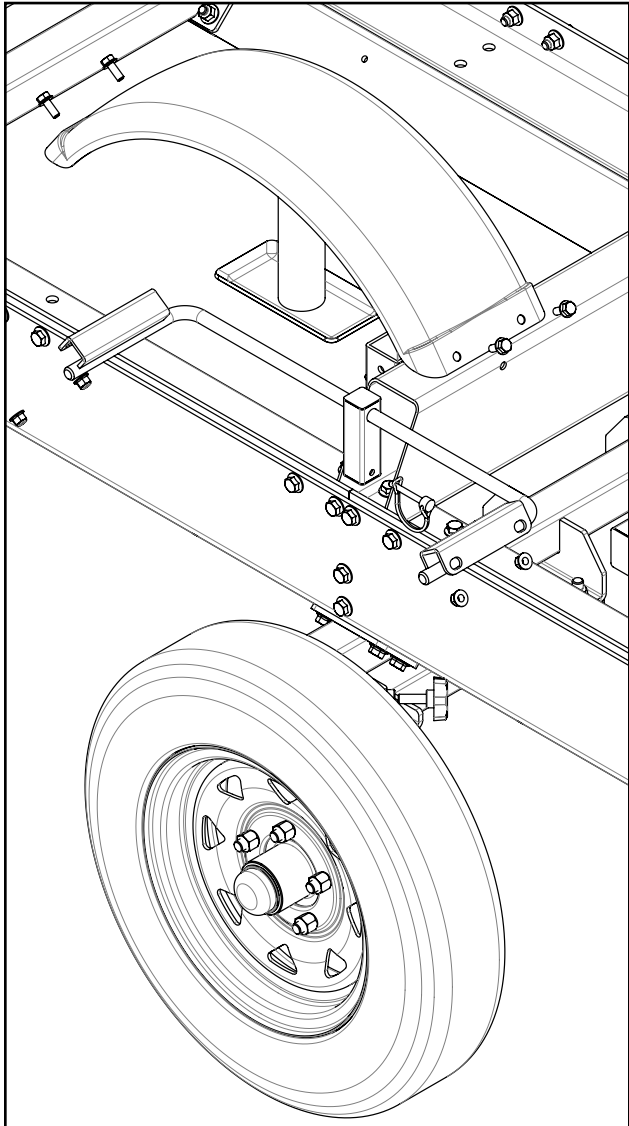


15. FENDERS

Using the hardware listed below, assemble the fenders to the fender brackets. Tighten these bolts. Slide the post on the fender bracket into the sleeve on the axle mount and insert the locking pin through the hole located at the bottom of the fender bracket post. Secure the fender/fender bracket sub-assembly using the M10 X 30 mm knob by threading it into the axle mount until tight.

8x	M8 X 20 mm Flanged Hex Bolt		2x	Fender Bracket	
8x	M8 Flanged Lock Nut		2x	Fender	
2x	M10 X 30 mm Knob		2x	Locking Pin	



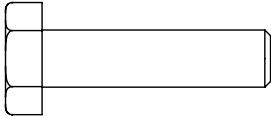
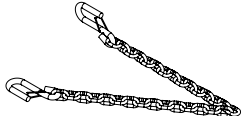
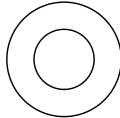
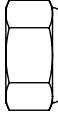


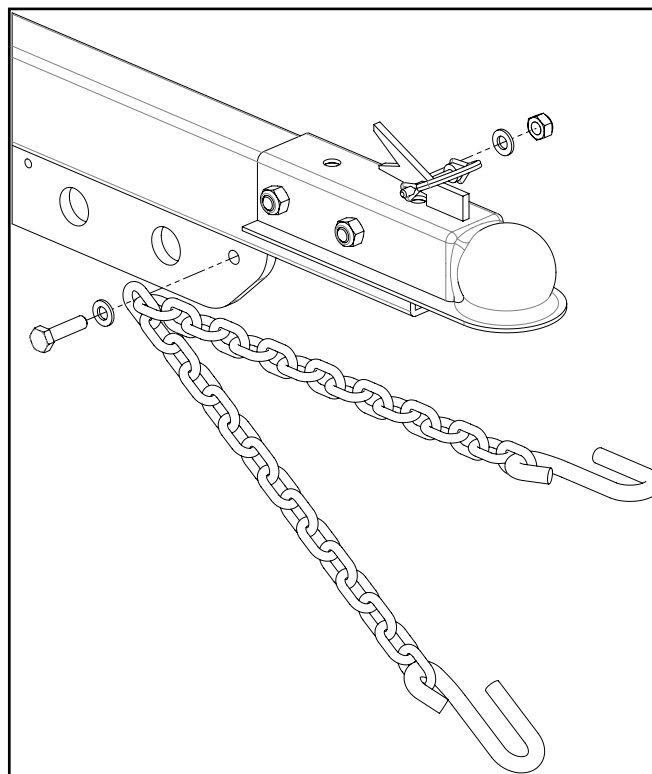
Some components
removed for clarity



16. SAFETY CHAIN

Using the hardware below, install the safety chain on the trailer tongue. This step is not needed for European customers.

1x	M10 X 40 mm Hex Bolt (Not in Europe)		1x	Safety Chain (Not in Europe)	
2x	M10 Flat Washer (Not in Europe)				
1x	M10 Lock Nut (Not in Europe)				





PARTS LIST

NA = North America | **EU** = Europe

Highlighted rows indicate components exclusive to European markets.

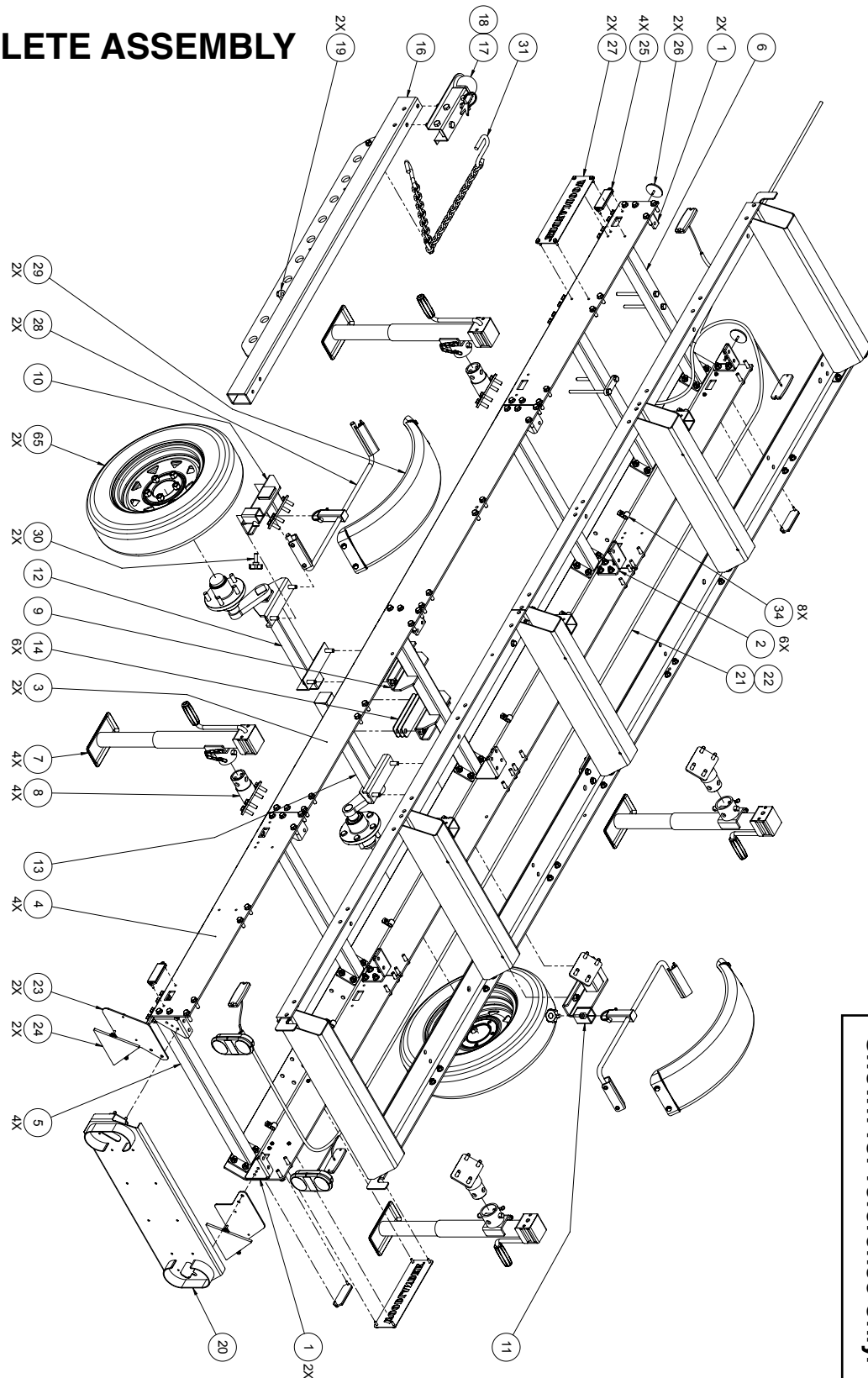
Item	EU	NA	Part No.	Description
1	4	4	0001373	GUSSET, END
2	6	6	0001374	GUSSET, JOINING
3	2	2	0001363	SIDE PLATE, LONG
4	4	4	0001364	SIDE PLATE, SHORT
5	4	4	0001369	CROSS BEAM
6	1	1	0001370	CROSS BEAM, FRONT
7	4	4	0001385	JACK STAND
8	4	4	0001376	JACK MOUNT
9	1	1	0001679	AXLE CROSS BEAM
10	1	1	0001680	AXLE MOUNT W/ FENDER ADAPTER, LEFT
11	1	1	0001681	AXLE MOUNT W/ FENDER ADAPTER, RIGHT
12	1	1	0001677	AXLE, LEFT, 850 kg
13	1	1	0001678	AXLE, RIGHT, 850 kg
14	6	6	0001682	AXLE SHIM PLATE, 3 mm THK
15	2	2	0001552	WHEEL HUB DUST COVER, 1/2-20 LUGS
16	1	1	0001371	TONGUE
17	-	1	0001381	HITCH COUPLER, NORTH AMERICA
18	1	-	0001702	HITCH COUPLER, EUROPE
19	2	2	0001372	TONGUE BRACKET STANDARD
20	1	1	0001375	LIGHT BAR
21	-	1	0001676-1	LIGHTING WIRE HARNESS, NORTH AMERICA
22	1	-	0001676-2	LIGHTING WIRE HARNESS, EUROPE
23	2	-	0001379	TRIANGLE REFLECTOR BRACKET, EUROPE
24	2	-	0001390	REAR REFLECTOR, RED, EUROPE
25	4	-	0001391	SIDE REFLECTOR, AMBER, EUROPE
26	2	-	0001392	FRONT REFLECTOR, WHITE, EUROPE
27	2	2	0001886	WOODLANDER BADGE
28	2	2	0001683	BRACKET, METAL FENDER, 750/850 kg AXLE
29	2	2	0001684	FENDER, METAL
30	2	2	0001698	KNOB, MULTI-LOBE, 48 mm OD, M10 X 1.5, 30 mm LG
31	-	1	0001382	SAFETY CHAIN
32	4	4	0001393	HEAD LOCK-DOWN BRACKET
33	4	4	0001394	LOCK-DOWN PIN
34	8	8	HDW	CABLE CLAMP, 1/2 in ID, 1-3/4 in LG
35	16	16	HDW	HEX BOLT, M6 X 1, 20 mm LG
36	4	4	HDW	HEX BOLT, M6 X 1, 25 mm LG
37	4	4	HDW	HEX BOLT, M6 X 1, 40 mm LG
38	-	1	HDW	HEX BOLT, M10 X 1.5, 40 mm LG
39	4	4	HDW	HEX BOLT, M10 X 1.5, 160 mm LG, 26 mm LG THD
40	-	2	HDW	HEX BOLT, M12 X 1.75, 70 mm LG, 30 mm LG THD
41	2	-	HDW	HEX BOLT, M12 X 1.75, 100 mm LG, 30 mm LG THD
42	8	8	HDW	HEX BOLT, FLANGED, M8 X 1.25, 20 mm LG
43	4	4	HDW	HEX BOLT, FLANGED, M8 X 1.25, 25 mm LG
44	116	116	HDW	HEX BOLT, FLANGED, M10 X 1.5, 30 mm LG
45	32	32	HDW	HEX BOLT, FLANGED, M10 X 1.5, 35 mm LG
46	8	8	HDW	HEX BOLT, FLANGED, M10 X 1.5, 40 mm LG



Item	EU	NA	Part No.	Description
47	8	8	HDW	HEX BOLT, FLANGED, M12 X 1.75, 35 mm LG
48	12	8	HDW	SCREW, PPH, M5 X 0.8, 20 mm LG
49	28	28	HDW	FLAT WASHER, M6
50	4	6	HDW	FLAT WASHER, M10
51	24	24	HDW	LOCK NUT, M6 X 1
52	4	5	HDW	LOCK NUT, M10 X 1.5
53	2	2	HDW	LOCK NUT, M12 X 1.75
54	18	12	HDW	LOCK NUT, FLANGED, M5 X 0.8
55	12	12	HDW	LOCK NUT, FLANGED, M8 X 1.25
56	156	156	HDW	LOCK NUT, FLANGED, M10 X 1.5
57	8	8	HDW	LOCK NUT, FLANGED, M12 X 1.75
58	2	2	HDW	LOCK NUT, SLOTTED, M24 X 1.5, 16 mm HGT
59	10	10	HDW	LUG NUT, 1/2-20
60	4	4	HDW	LINCH PIN W/ RING, 3/16 in DIA X 1 in LG
61	2	3	HDW	LOCKING PIN W/ WIRE RETAINER, 1/4 in DIA X 2 in LG
62	2	2	HDW	COTTER PIN, 5/32 in DIA, 1-1/2 in LG
63	2	2	HDW	ROTARY SHAFT SEAL, SPR-LOADED, WIPER LIP, 30 mm SFT, 50 mm OD
64	4	4	L44649	ROLLER BEARING, TAPERED, 1-1/16 in SHAFT, 1-3/64 in OD, .56 in WIDE
65	2	2	5.30-12	WHEEL, 5.30-12

EXPLODED ASSEMBLY VIEWS

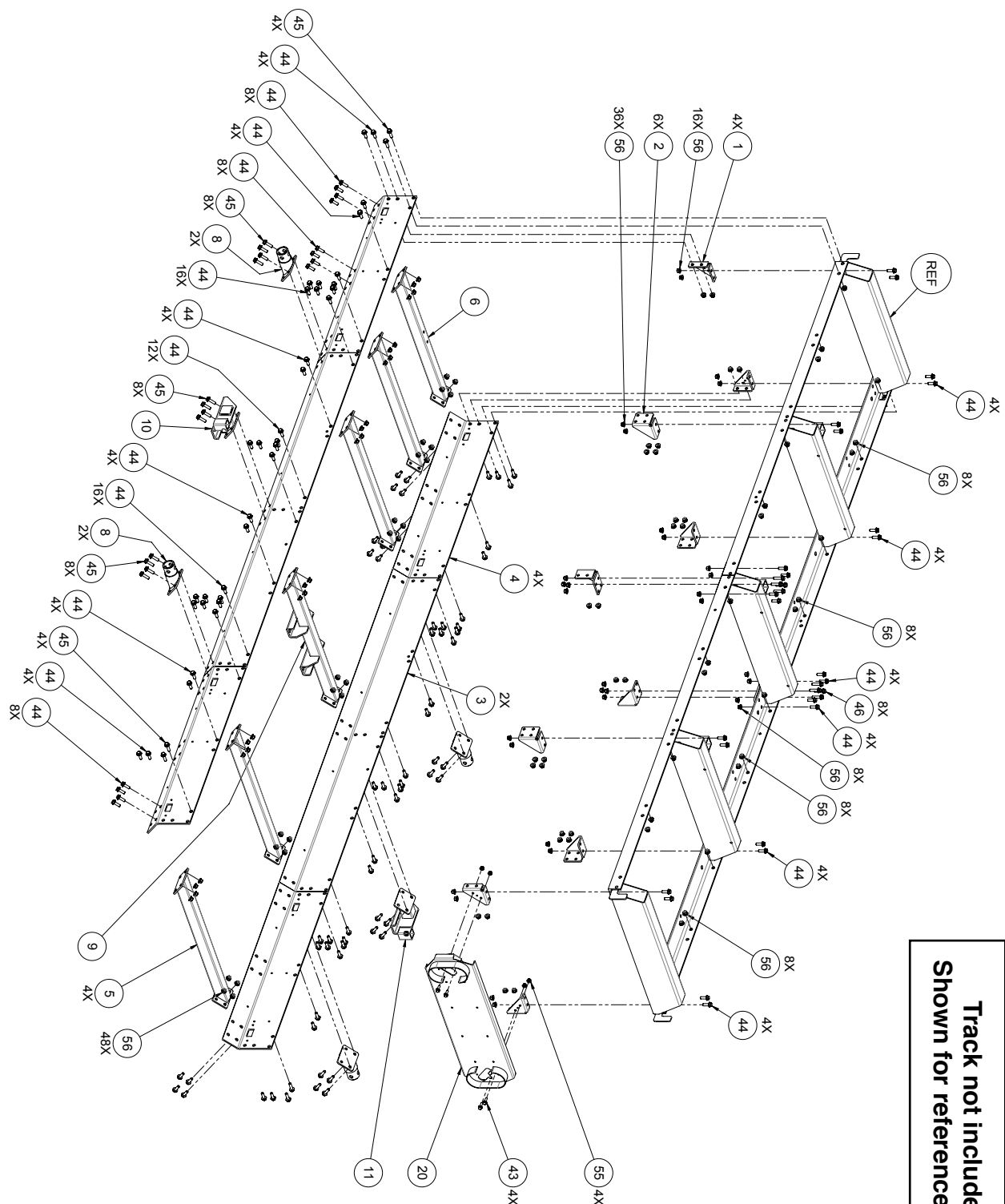
COMPLETE ASSEMBLY



Track not included.
Shown for reference only.



CHASSIS AND TRACK

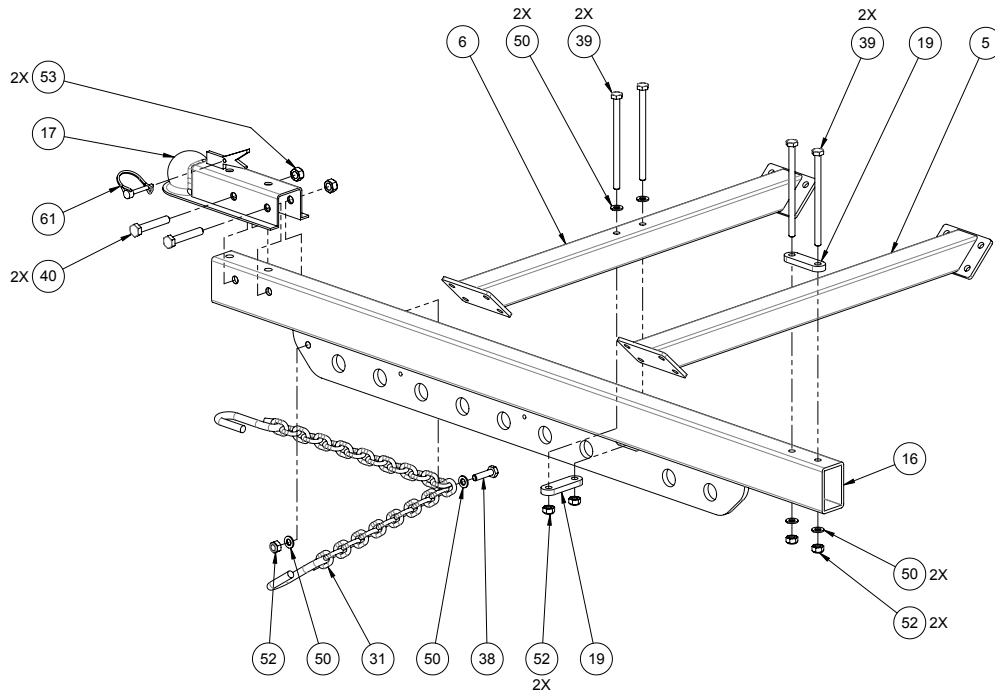


Track not included.
Shown for reference only.

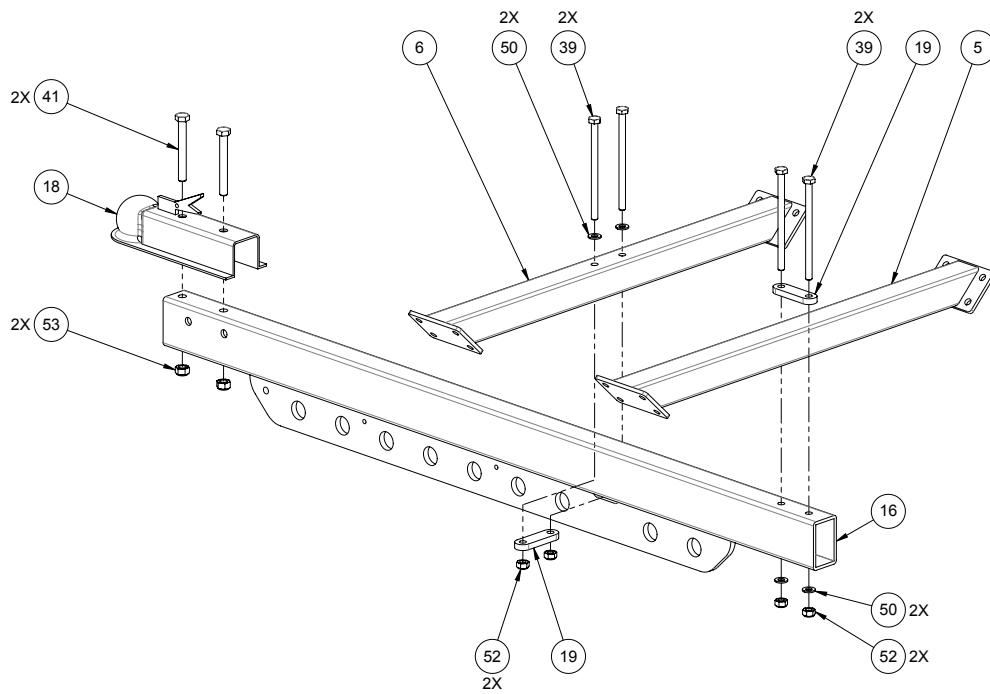


TONGUE

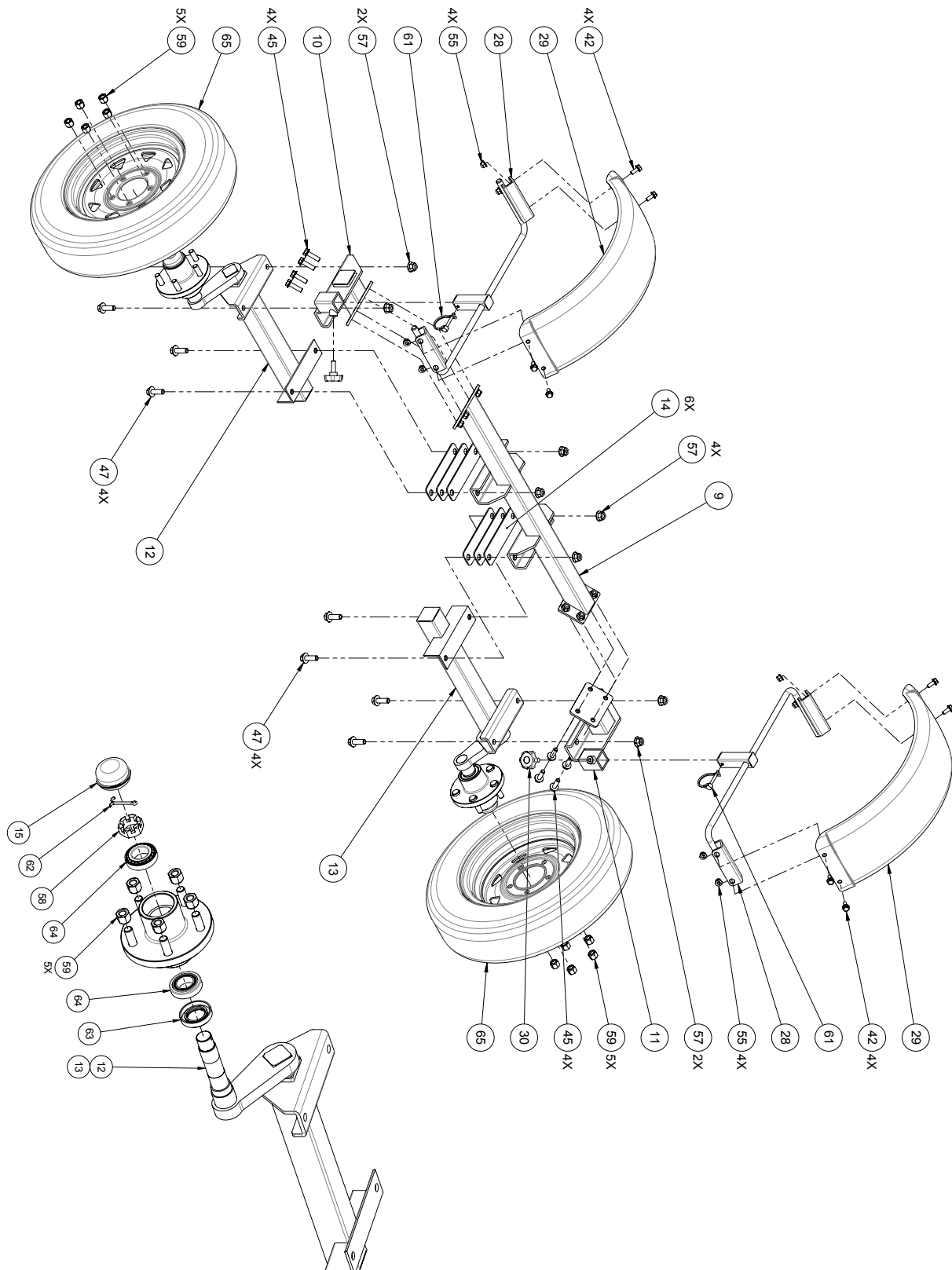
NORTH AMERICA



EUROPE



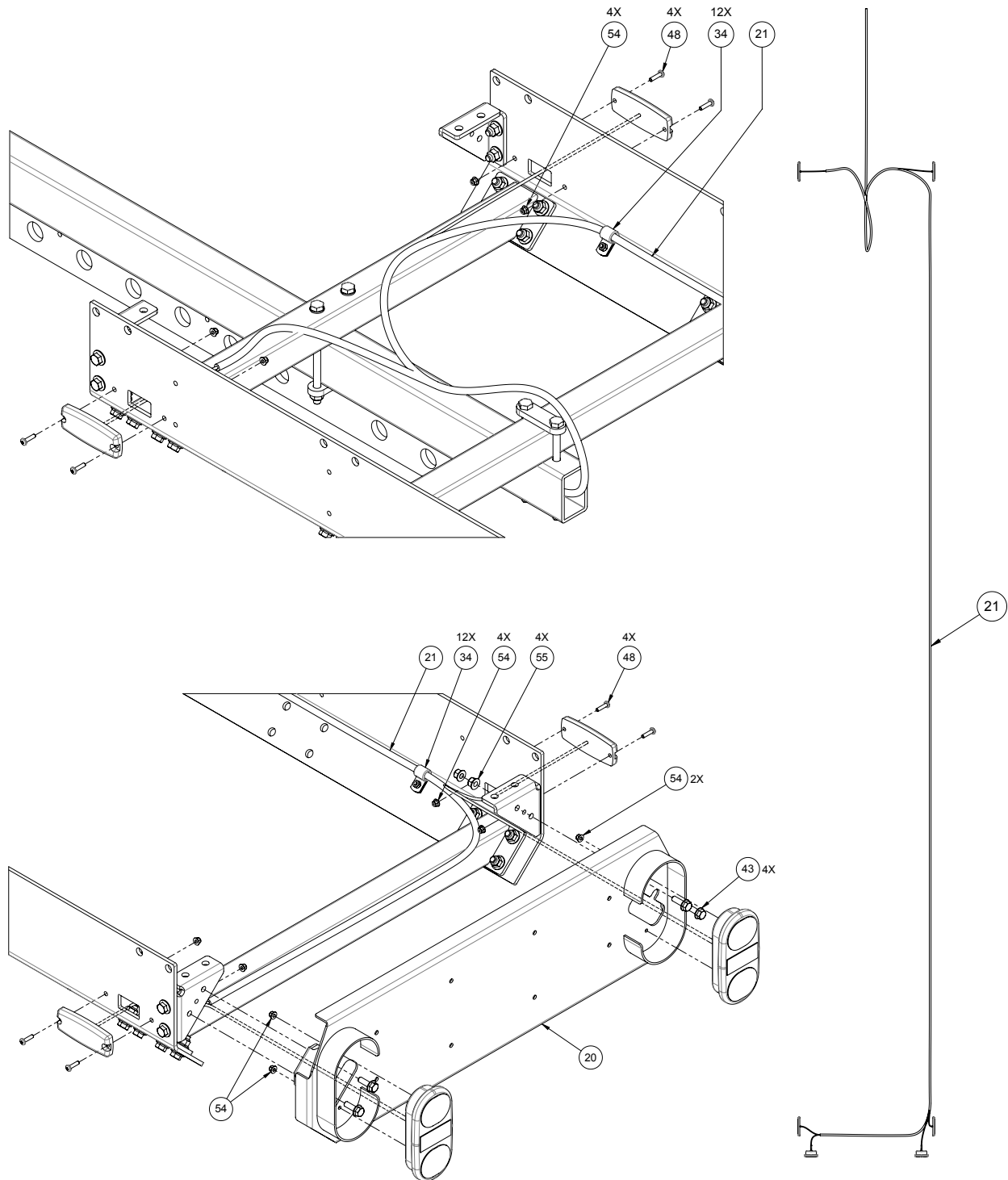
AXLES, WHEELS, AND FENDERS



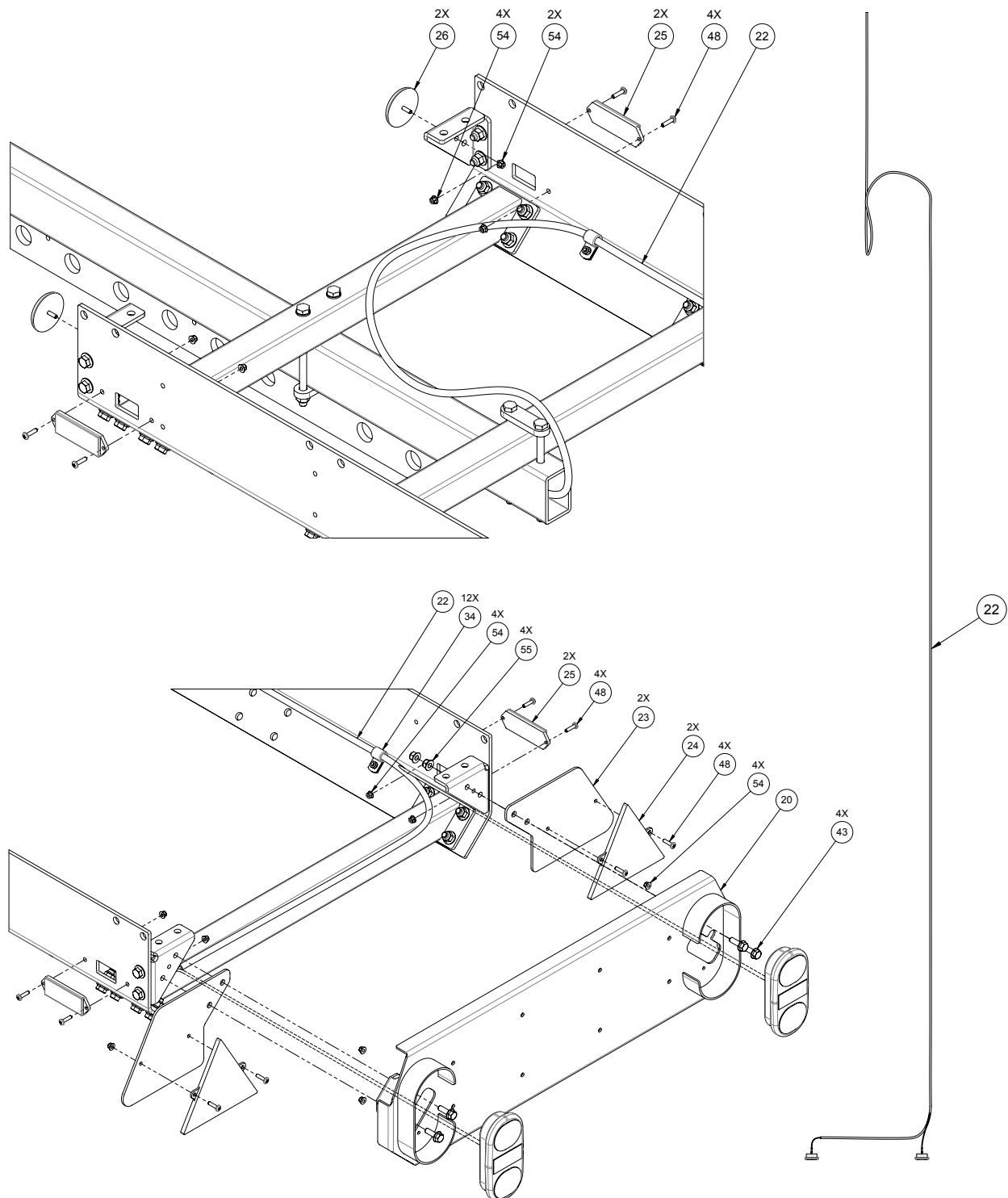


LIGHTING

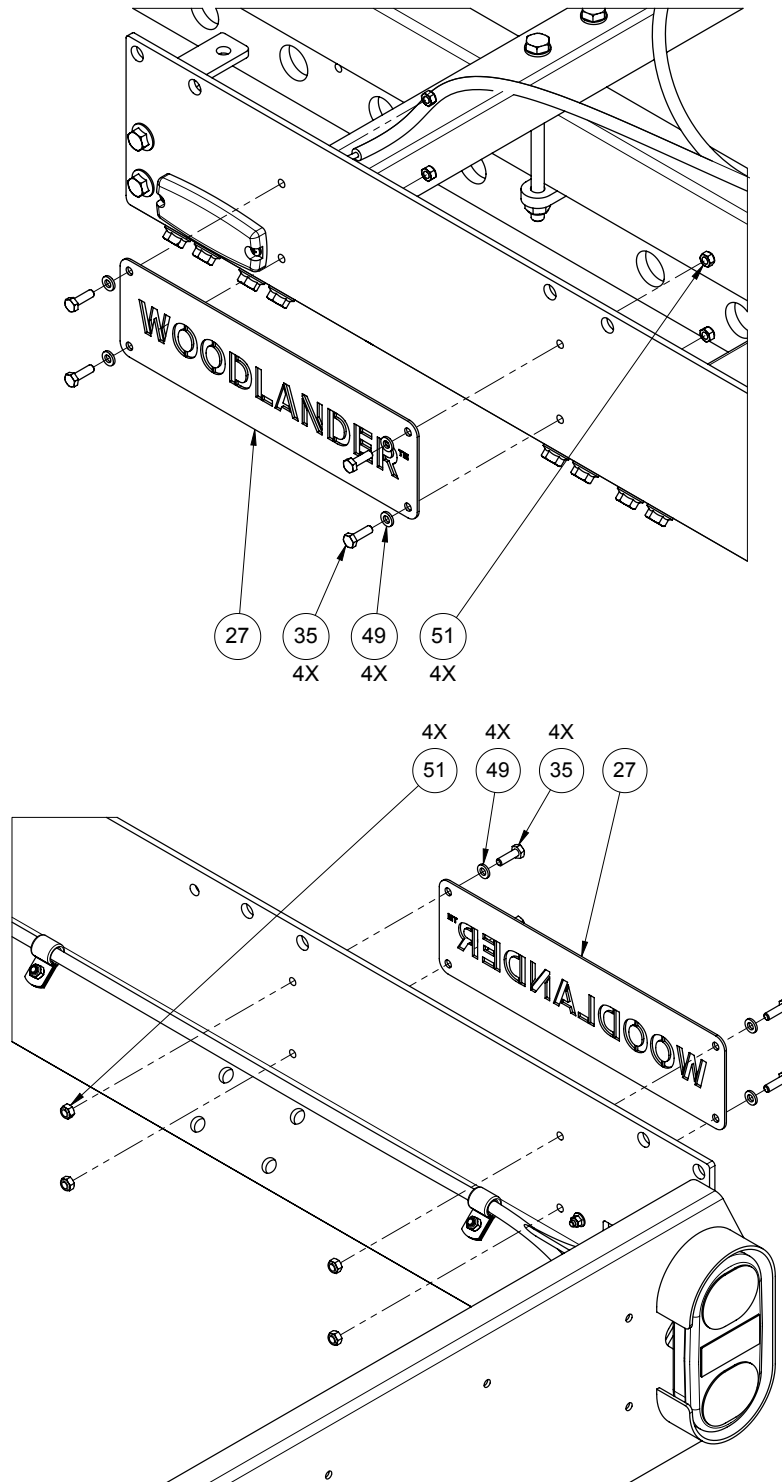
NORTH AMERICA



EUROPE

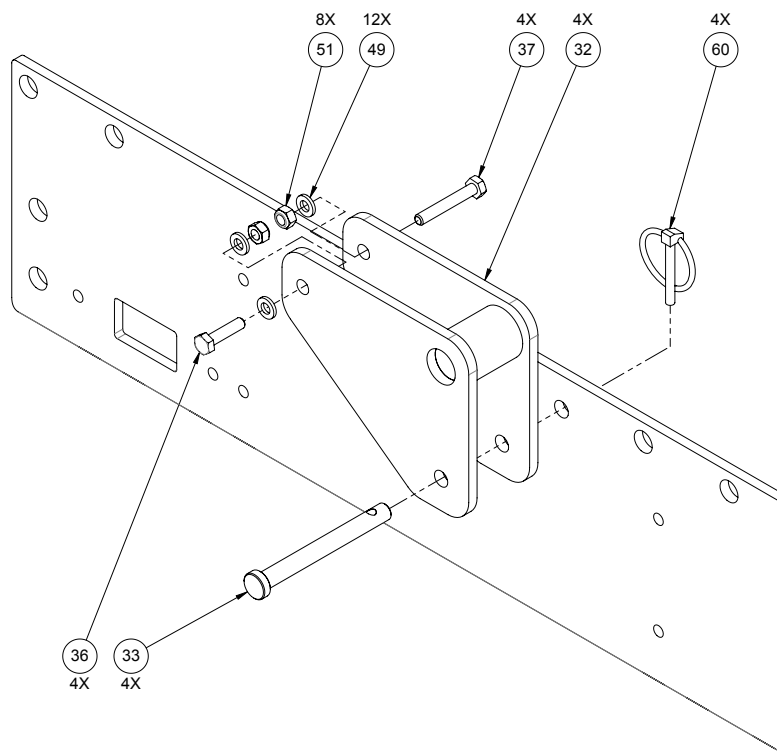


BADGES





HEAD LOCK-DOWN BRACKETS



This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings on the page.

[illegible]

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings on the paper.

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