

MULTILANDER™ TRAILER



OPERATOR'S MANUAL

0008127-M-EN: Rev B
Publication Date: 24-Feb-2023



DISCOVER THE WOODLAND™

Multilander™ is a trademark of Woodland Mills, Inc.

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TABLE OF CONTENTS

TABLE OF CONTENTS	1
INTRODUCTION	3
GENERAL SAFETY RULES	4
INSPECTION/MAINTENANCE	4
TECHNICAL SPECIFICATIONS	5
OVERALL DIMENSIONS	6
COMPONENT LISTS	7
TO-SCALE HARDWARE	9
BOLTS & SCREWS	9
SCALES	11
WASHERS	12
NUTS	13
TOOLS REQUIRED	14
BOLT TORQUE	15
CHASSIS ASSEMBLY	16
1. FRAME	16
TONGUE ORIENTATION	17
2. AXLE CROSS BEAM	19
3. WALKING BEAMS	20
4. WHEELS	21
5. SWIVEL JACK	22
6. COUPLER	24
7. BUMPERS	25
UTILITY BOX ASSEMBLY	26
1. FRAME	26
2. STEPPED SIDES	28
3. PICKUP	31
4. UTILITY BOX-TO-CHASSIS	32
5. BRACKETRY	33
6. SIDE PANELS	36
7. TAILGATES	38
8. LOG LOADING RAMP LEG	40



WINCH AND BOOM ASSEMBLY	41
1. WINCH POST	41
2. BOOM	43
3. WINCH ROPE	45
OPERATION	46
MAINTENANCE	52
GREASE POINTS	52
REPLACEMENT PARTS ORDERING	53
EXPLODED ASSEMBLY VIEWS	54
CHASSIS	54
WHEELS	55
WINCH	56
BOOM & RAMP LEG	57
UTILITY BOX: BED	58
UTILITY BOX: BRACKETRY	59
UTILITY BOX: SIDE PANELS	60
UTILITY BOX: TAILGATES	61
PARTS LIST	62
NOTES	64



INTRODUCTION

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

OWNER'S RECORD

Please take a moment to record the following information about your Multilander™ trailer. If you need to call for assistance, please be ready to provide your model and serial numbers. You will find this information located on the underside of the trailer chassis. This information will allow us to help you more quickly when you call.

MODEL NUMBER

SERIAL NUMBER

DATE OF PURCHASE

The Multilander™ is a utility trailer designed to be towed behind tractors, RTVs, and ATVs for off-road use.

The Multilander™ trailer is designed for certain off-road 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.

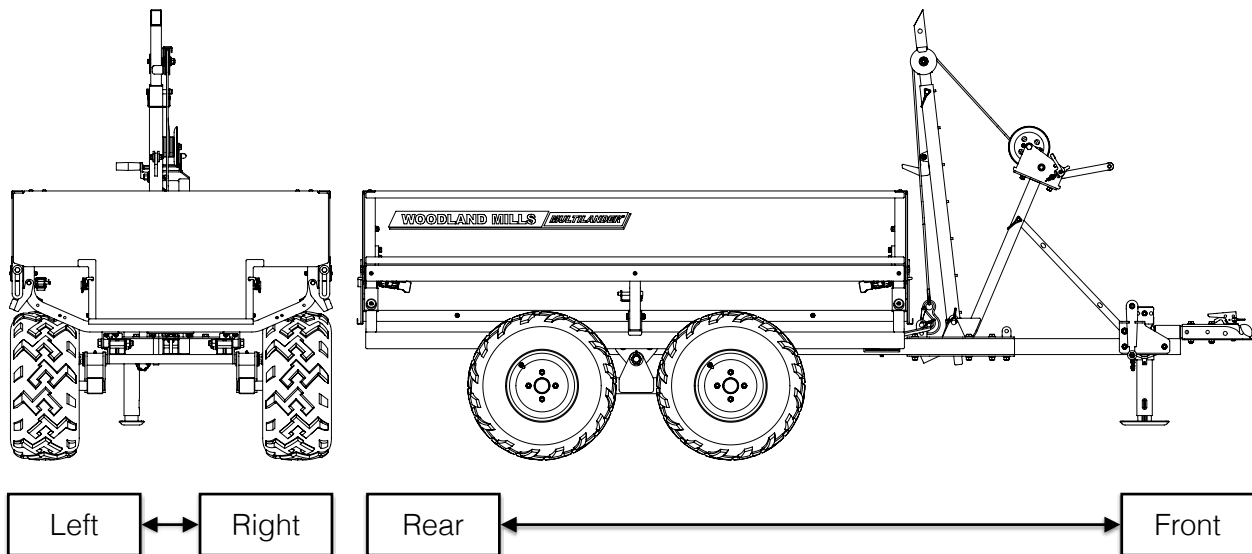
INSPECTION/MAINTENANCE

- Check the tires before all trips. Make sure they are inflated to the pressure shown on the tire.
- Grease the axle bearings and walking beams every 3 months or 100 hours, 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.
- Inspect trailer before all trips for any damaged or loose parts.



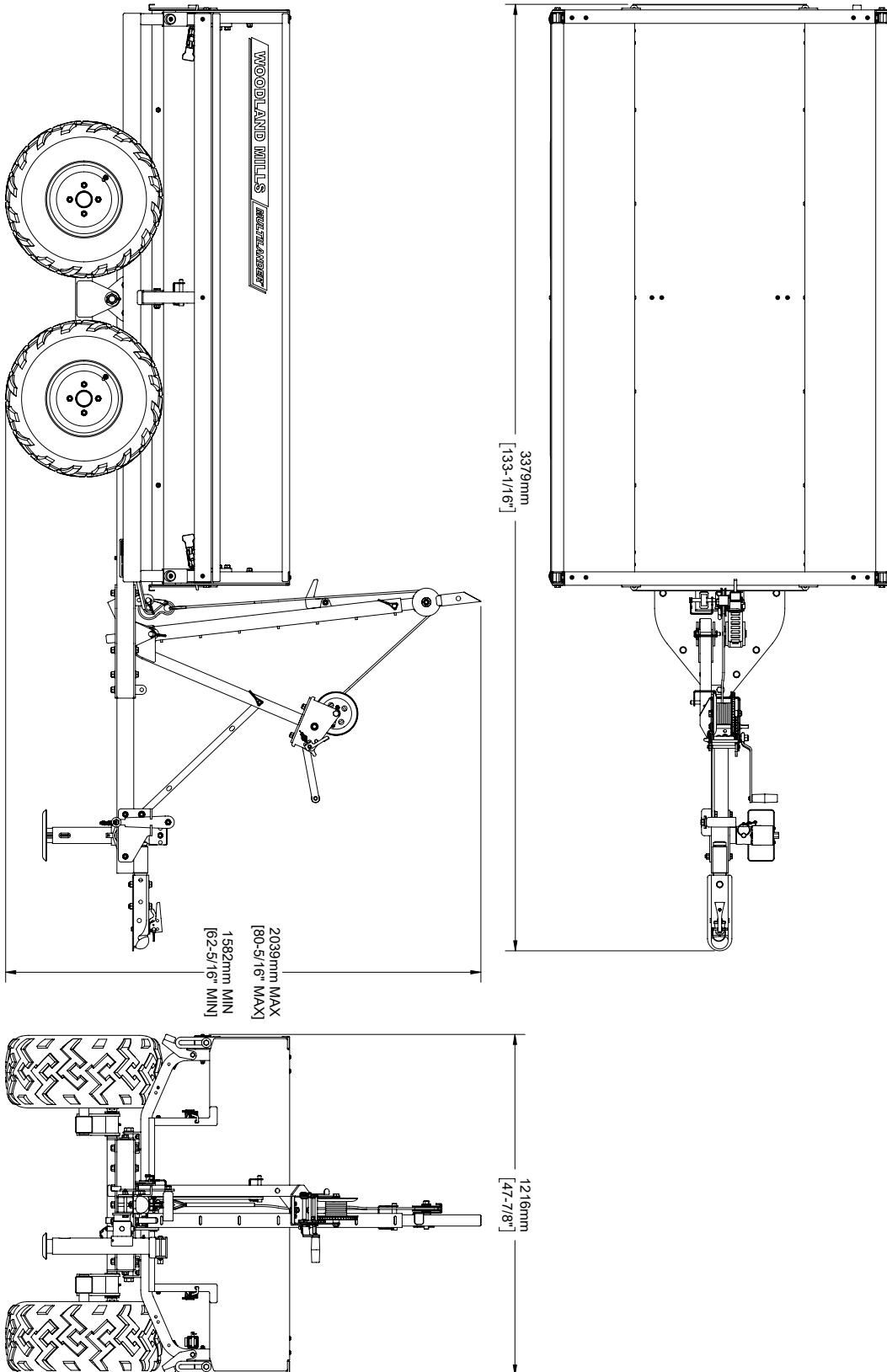
TECHNICAL SPECIFICATIONS

Item	Specification
Construction/Finish	Powder-Coated/Galvanized Tube & Plate Steel
Axle	Walking Beam
Wheels & Tires	4 Bolts @ 4" [101.6 mm] & 23x10.5-12 Tires
Tire Pressure	Refer to Tire
Wheel Nut Torque	80 ft•lb [110 N•m]
Trailer Ball Coupler	2 in [50 mm]
Hauling Capacity	2000 lb [907 kg]
Log Winch Capacity	2000 lb [907 kg]
Overall Length	133-1/16 in [3379 mm]
Overall Width	47-7/8 in [1216 mm]
Overall Height	62-5/16 in [1582 mm] MIN to 80-5/16 in [2039 mm] MAX
Utility Box Volume	1.18 yd ³ [0.9 m ³]
Utility Box Dump Angle	50° MAX (from horizontal @ maximum boom extension)
Product Weight	685 lb [311 kg]
Shipping Weight	826 lb [375 kg]





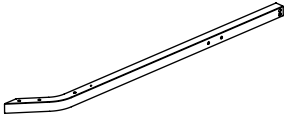
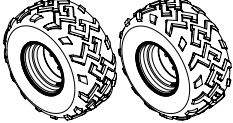
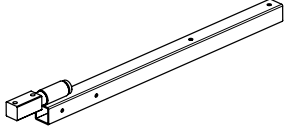
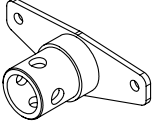
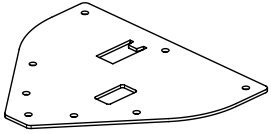
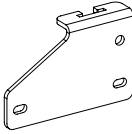
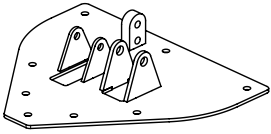
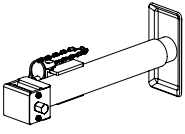
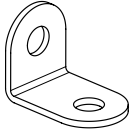
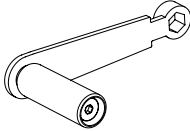
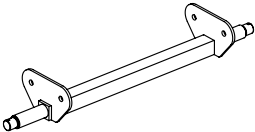
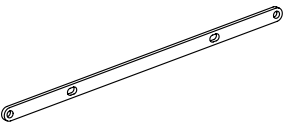
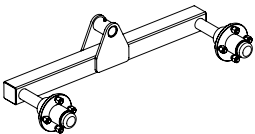
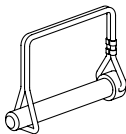
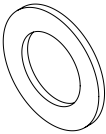
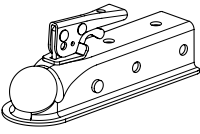
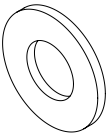
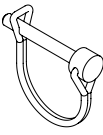
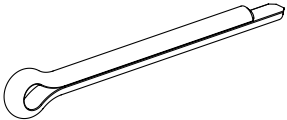
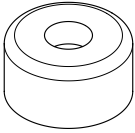
OVERALL DIMENSIONS



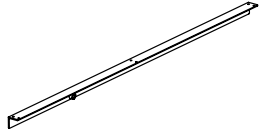
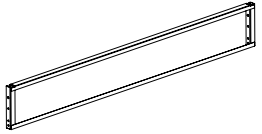
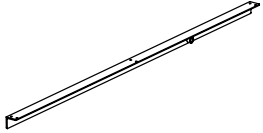
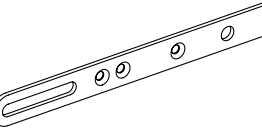
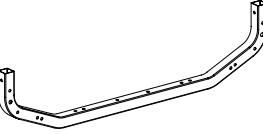
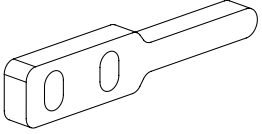
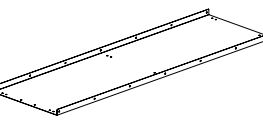
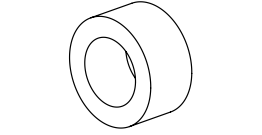
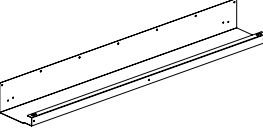
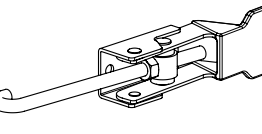
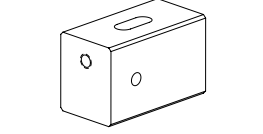
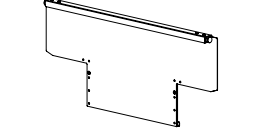
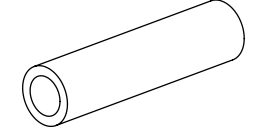
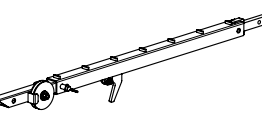
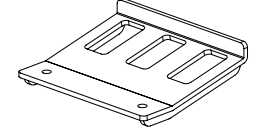
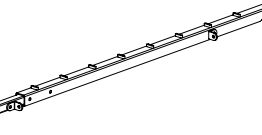
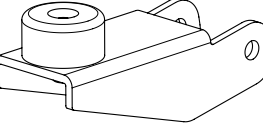
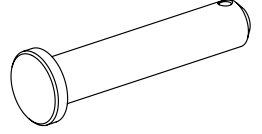
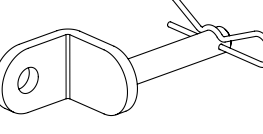
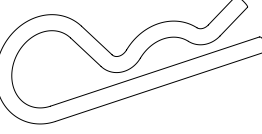
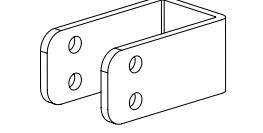
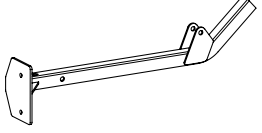


COMPONENT LISTS

Verify all component and hardware quantities are correct prior to assembling the trailer.

2x	Chassis Side Rail [0008131]		2x	Right Wheel [22X11-10R]	
			2x	Left Wheel [22X11-10L]	
1x	Tongue [0008135]		1x	Swivel Jack Mount [0002249]	
1x	Bottom Tongue Plate [0008134]		1x	Swivel Jack Handle Mount [0008314]	
1x	Top Tongue Plate [0008132]		1x	Swivel Jack [0006798]	
1x	Brace Storage Bracket [0008316]		1x	Swivel Jack Handle Assembly	
1x	Axle Cross Beam [0008159]		1x	Winch Brace [0008209]	
2x	Walking Beam Assembly		5x	Square Locking Pin - 12 mm Dia [0004704]	
4x	Nylon Spacer 30.5 X 50 X 3 [0004384]		1x	Hitch Ball Coupler [0001381]	
2x	Spacer 24.5 X 50 X 4 [0004274]		1x	Round Locking Pin [0004728]	
2x	Cotter Pin [0004753]		2x	Rubber Bumper [0008139]	



1x	Left Lower Beam [0008138]		2x	Side Panel [0008709]	
1x	Right Lower Beam [0008137]		4x	Side Panel Hinge [0008699]	
3x	Support Rib [0007156]		4x	Indexer [0008706]	
1x	Bed Panel [0007124]		4x	Spacer 10 X 16 X 8 [0008711]	
2x	Stepped Side Panel [0007126]		4x	Hook Latch [0002338]	
4x	Hinge Block [0008707]		2x	Tailgate Assembly	
2x	Spacer 8 X 12 X 48 [0008143]		1x	Boom Assembly	
1x	Pickup [0008723]		1x	Log Loading Ramp Leg Assembly	
4x	Bumper Bracket Assembly		1x	Clevis Pin [0004321]	
2x	Ramp Storage Bracket Assembly*		1x	Hairpin Cotter Pin [0004706]	
2x	Winch Bracket [0008296]		1x	Winch Post [0008196]	



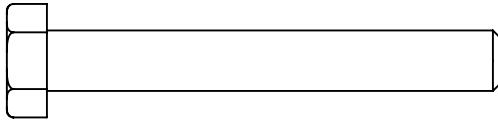
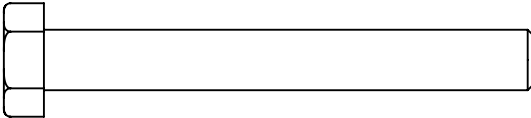
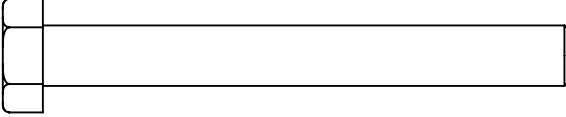
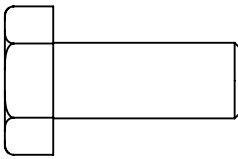
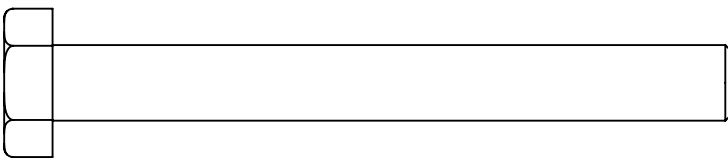
1x	Winch and Rope Assembly	
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***The Ramp Storage Bracket Assemblies may ship assembled to the Log Loading Ramp Leg in the crate.**

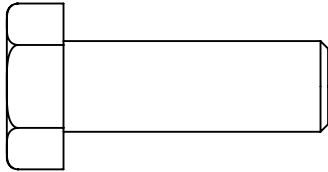
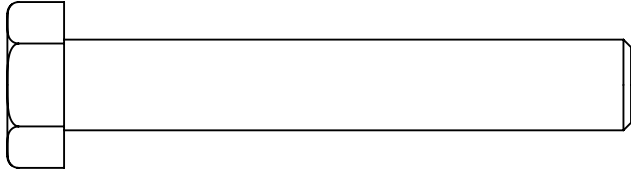
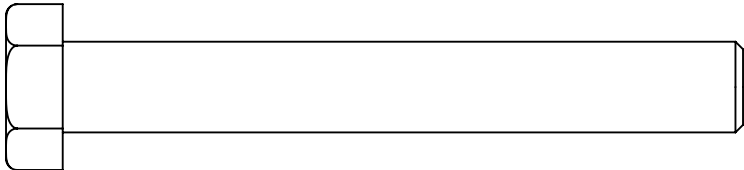
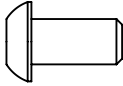
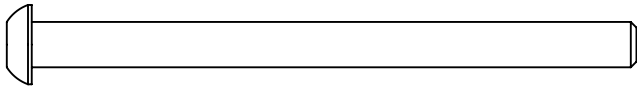
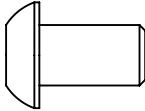
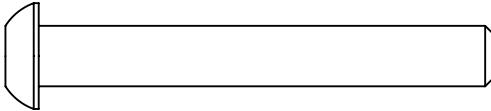
TO-SCALE HARDWARE

BOLTS & SCREWS

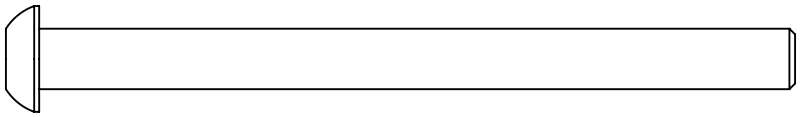
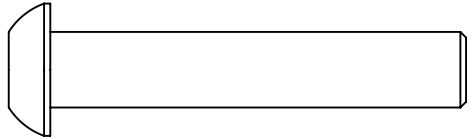
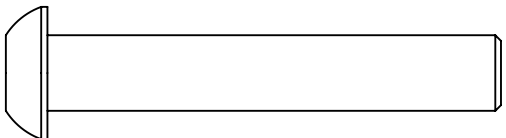
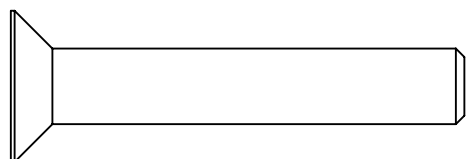
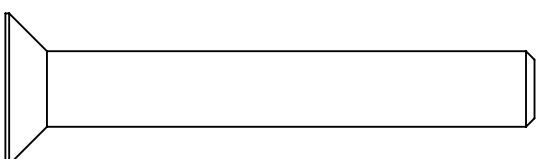
Hardware graphics are printed at 1:1 scale for ease of identification. Simply place the hardware over the image in the tables to verify it is the correct size.

1x	HHB-MBJ115PCJ	M8 X 1.25 X 60 mm HEX BOLT
		
7x	HHB-MBJ120PCJ	M8 X 1.25 X 65 mm HEX BOLT
		
1x	HHB-MBJ125PCJ	M8 X 1.25 X 70 mm HEX BOLT
		
6x	HHB-MBM080FCJ	M10 X 1.5 X 25 mm HEX BOLT
		
2x	HHB-MBM145PCJ	M10 X 1.5 X 90 mm HEX BOLT
		



1x	HHB-MBR090FCJ	M12 X 1.75 X 35 mm HEX BOLT
		
2x	HHB-MBR130PCJ	M12 X 1.75 X 75 mm HEX BOLT
		
12x	HHB-MBR145PCJ	M12 X 1.75 X 90 mm HEX BOLT
		
8x	BHS-MBE063FCM	M6 X 1 X 12 mm BUTTON HEAD SCREW
		
2x	BHS-MBE135FCM	M6 X 1 X 80 mm BUTTON HEAD SCREW
		
14x	BHS-MBJ067FCM	M8 X 1.25 X 14 mm BUTTON HEAD SCREW
		
12x	BHS-MBJ115FCM	M8 X 1.25 X 60 mm BUTTON HEAD SCREW
		



6x	BHS-MBJ155FCM	M8 X 1.25 X 100 mm BUTTON HEAD SCREW
		
2x	BHS-MBM110PCM	M10 X 1.5 X 55 mm BUTTON HEAD SCREW
		
2x	BHS-MBM115PCM	M10 X 1.5 X 60 mm BUTTON HEAD SCREW
		
4x	HFH-MBM115PCM	M10 X 1.5 X 60 mm FLAT HEAD SCREW
		
8x	HFH-MBM125PCM	M10 X 1.5 X 70 mm FLAT HEAD SCREW
		

SCALES

Ruler scales are also provided below to double-check bolt and screw lengths when necessary.



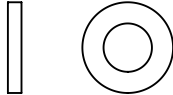
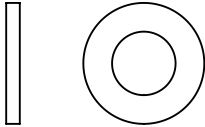
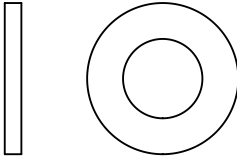
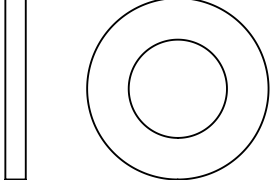
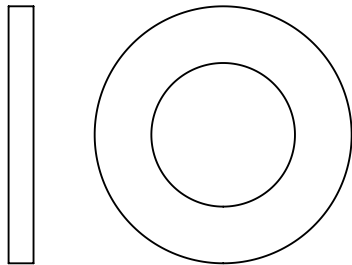
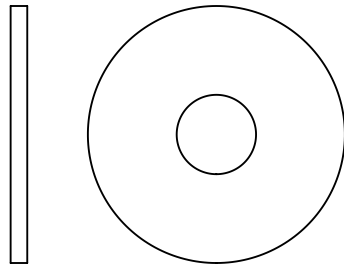
CENTIMETRES / MILLIMETRES



INCHES

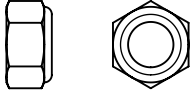
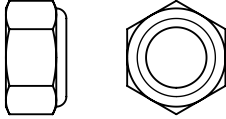
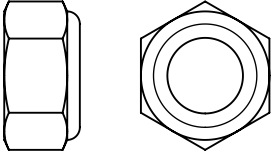
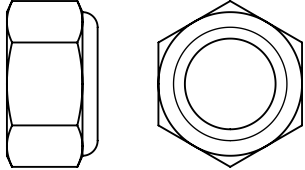
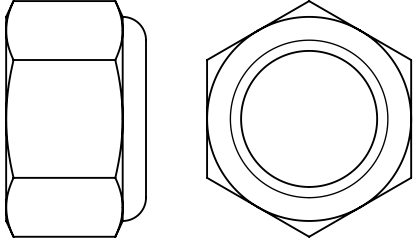
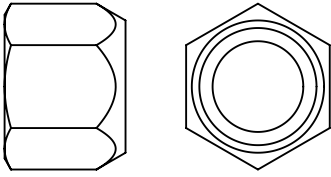
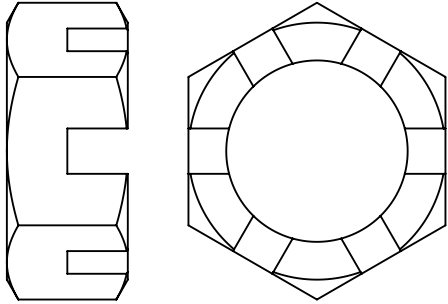


WASHERS

4x	FTW-MBE000AJ M6 FLAT WASHER	50x	FTW-MBJ000AJ M8 FLAT WASHER
			
24x	FTW-MBM000AJ M10 FLAT WASHER	30x	FTW-MBR000AJ M12 FLAT WASHER
			
4x	FTW-MCC000AJ M18 FLAT WASHER	4x	FDW-MBM083000AJ M10 X 34 mm FENDER WASHER
			



NUTS

10x	HLN-MBECH M6 X 1 LOCK NUT	41x	HLN-MBJCH M8 X 1.25 LOCK NUT
			
20x	HLN-MBMCH M10 X 1.5 LOCK NUT	15x	HLN-MBRCH M12 X 1.75 LOCK NUT
			
2x	HLN-MCCCH M18 X 2.5 LOCK NUT*	8x	0006202 M12 X 1.5 LUG NUT
			
2x	0006092 M24 X 1.5 SLOTTED LOCK NUT		
			



TOOLS REQUIRED

Tool	Specification
Wrench/Socket	10 mm
Wrench/Socket	13 mm
Wrench/Socket	16 mm
Wrench/Socket	17 mm
Wrench/Socket	18 mm
Wrench/Socket	19 mm
Wrench/Socket	27 mm
Adjustable Wrench	Variable
Hex Key	4 mm
Hex Key	5 mm
Pliers	Needle Nose, Lineman's, or Slip-Joint
Torque Wrench	Capable of 80 ft•lb (109 N•m)
Packing Grease	Multipurpose Grease

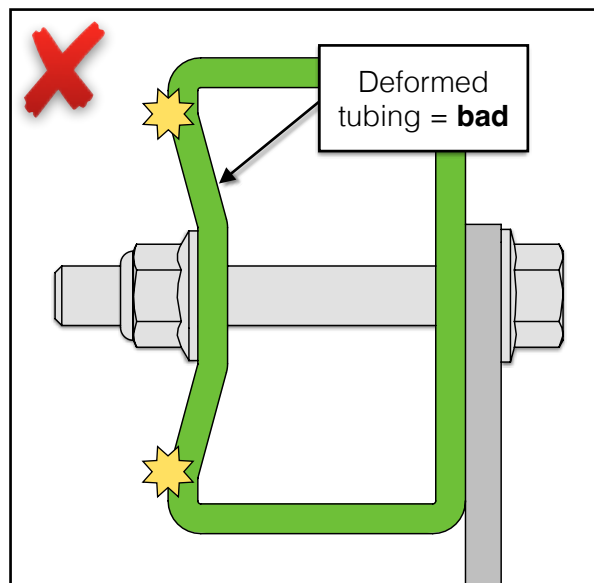


BOLT TORQUE



BOLT TORQUE WARNING!

When assembling the trailer, do not torque the bolts to hardware Class/Grade specifications. Snug the hardware, then tighten a further $\frac{1}{4}$ – $\frac{1}{2}$ turn. Tightening bolts to torque spec can crush metal tubing, ruining the components.



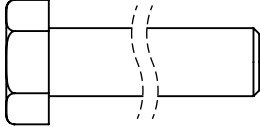
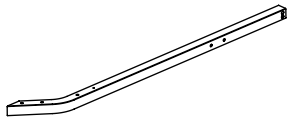
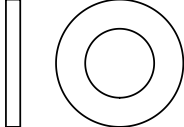
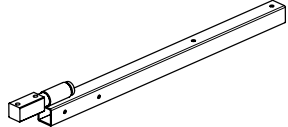
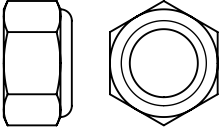
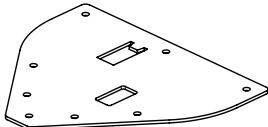
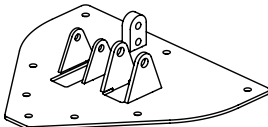
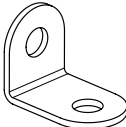
DO NOT TORQUE TO SPEC WHEN BOLTING THROUGH TUBING. SNUG HARDWARE, THEN TIGHTEN A FURTHER $\frac{1}{4}$ – $\frac{1}{2}$ TURN.



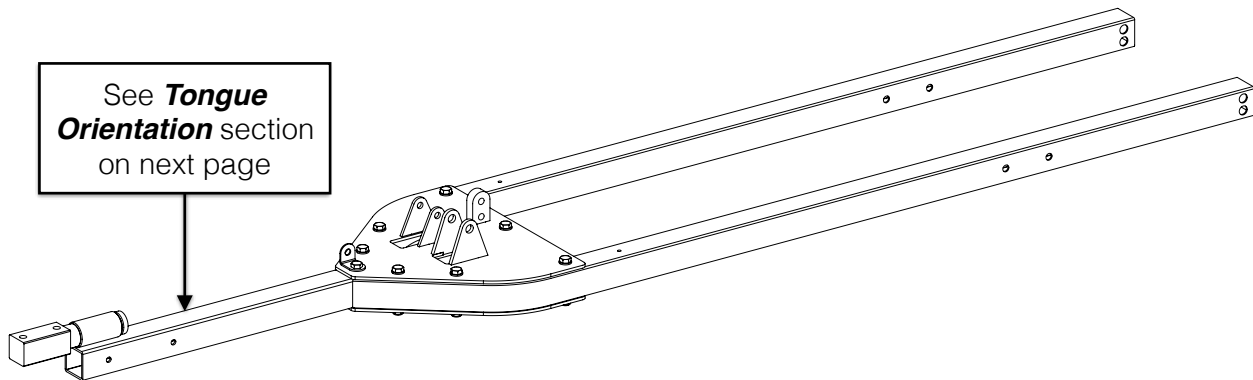
CHASSIS ASSEMBLY

1. FRAME

Using the components and hardware listed below, assemble the chassis side rails to the tongue .

8x	M12 X 90 mm Hex Bolt		2x	Chassis Side Rail	
15x	M12 Flat Washer		1x	Tongue	
8x	M12 Lock Nut		1x	Bottom Tongue Plate	
			1x	Top Tongue Plate	
			1x	Brace Storage Bracket	

The chassis side rails are connected to the tongue via the top and bottom tongue plates. It is important to know the height of the tow vehicle hitch prior to starting the assembly so that the tongue can be oriented to suit. See section, **Tongue Orientation**, on the next page.

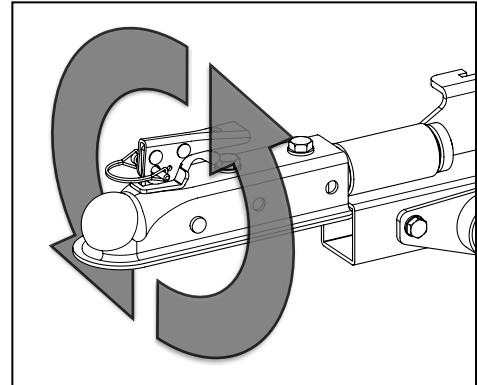




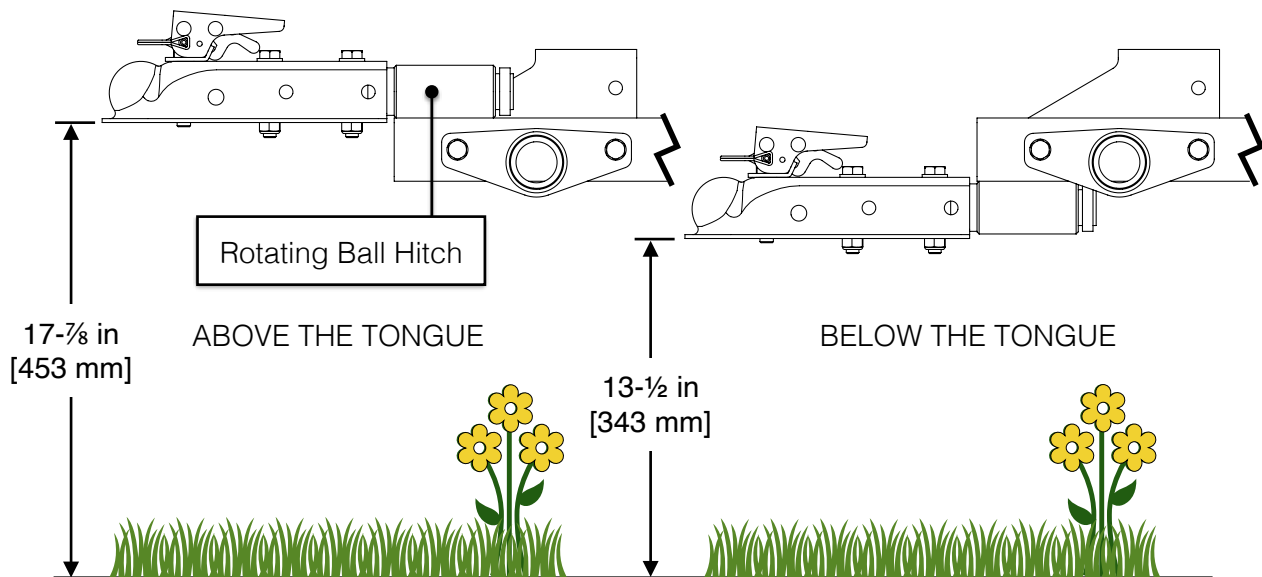
TONGUE ORIENTATION

When the hitch ball coupler is assembled to the tongue in a later step, it will become a 360° rotating ball hitch (see *right*).

The tongue can be used with the hitch ball coupler positioned above the tongue or below the tongue (see graphics below). This helps keep the trailer level based on the towing vehicle's ball height measured from the ground.



Prior to assembling the chassis beams to the tongue, first determine which coupler mounting style is best suited to the tow vehicle as shown in the graphics below.

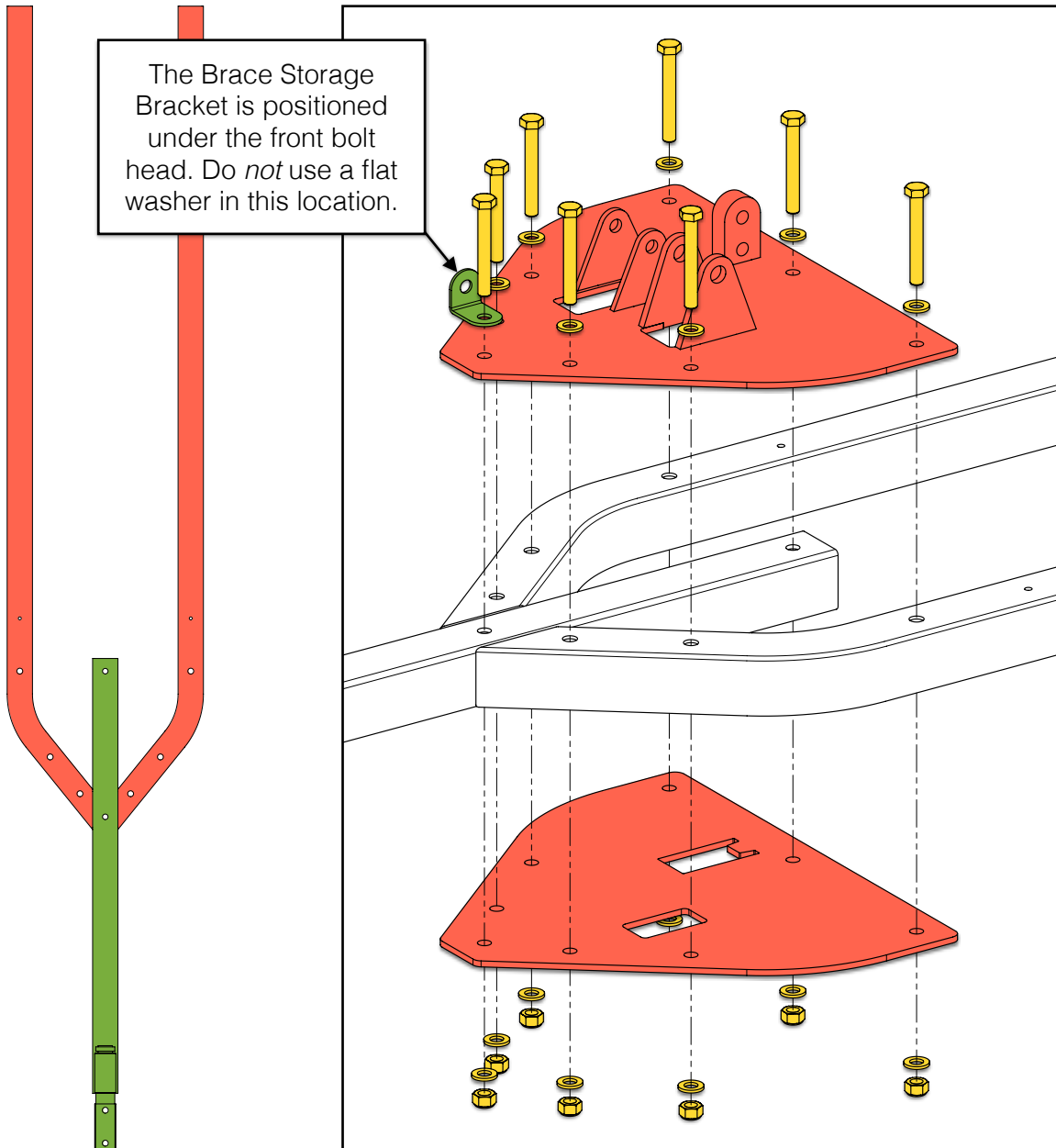


With the *Below the Tongue* style, the tongue is flipped 180° so that the rotating ball hitch is on the bottom.

Once the coupler mounting style is decided upon, continue with the chassis assembly on the next page. This manual is illustrated using the *Above the Tongue* style, however, the assembly steps proceeding the chassis assembly are identical no matter which tongue orientation is used.

Lay out the side rails and tongue on a flat surface. It can be beneficial to the assembly process to build the chassis on blocks or timbers.

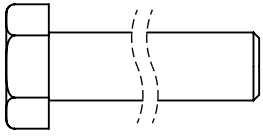
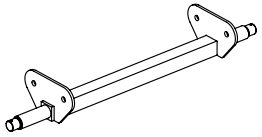
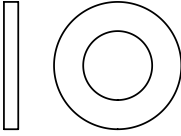
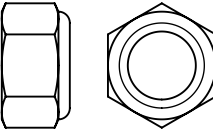
Use eight (8) M12 X 90 mm hex bolts, fifteen (15) M12 flat washers, eight (8) M12 lock nuts and the Brace Storage Bracket to sandwich the rails and tongue between the top and bottom tongue plates. Do *not* fully tighten the hardware.



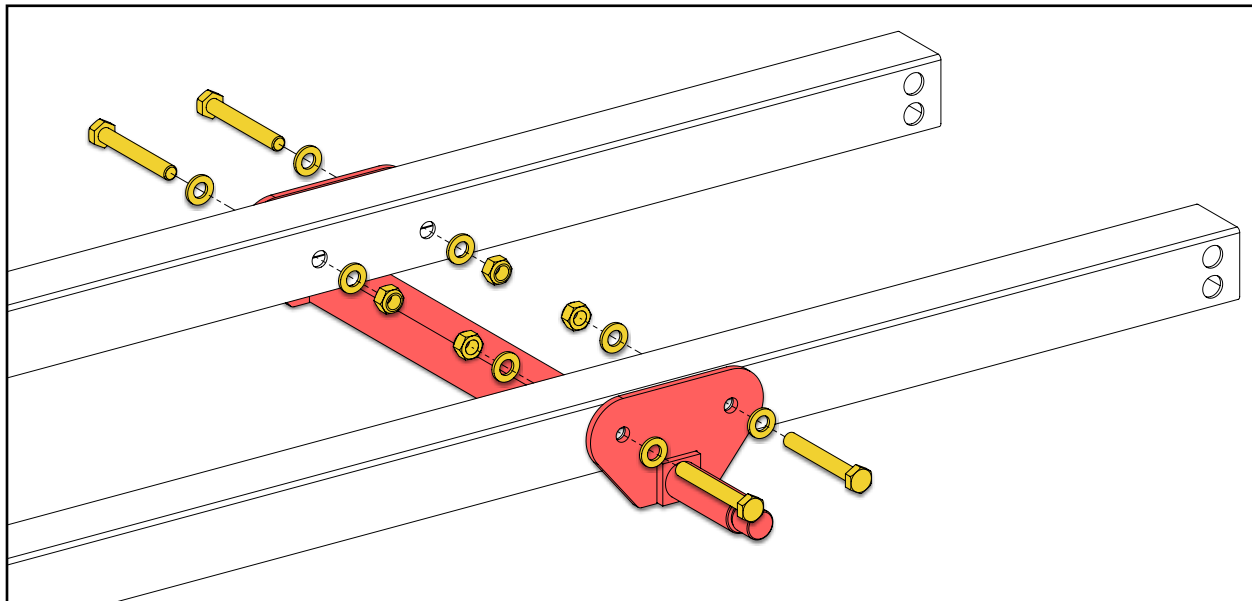


2. AXLE CROSS BEAM

Using the components and hardware listed below, assemble the axle cross beam to the chassis side beams.

4x	M12 X 90 mm Hex Bolt		1x	Axle Cross Beam	
8x	M12 Flat Washer				
4x	M12 Lock Nut				

Use four (4) M12 X 90 mm hex bolts, eight (8) M12 flat washers, and four (4) M12 lock nuts to join the axle cross beam to the side rails.

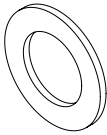
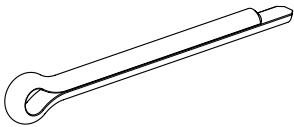
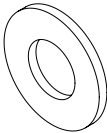
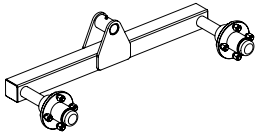
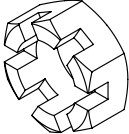


Check the chassis for squareness by measuring diagonally from the end of each rail to the back edge of the top tongue plate. Once square, tighten all the hardware from this and the previous step.



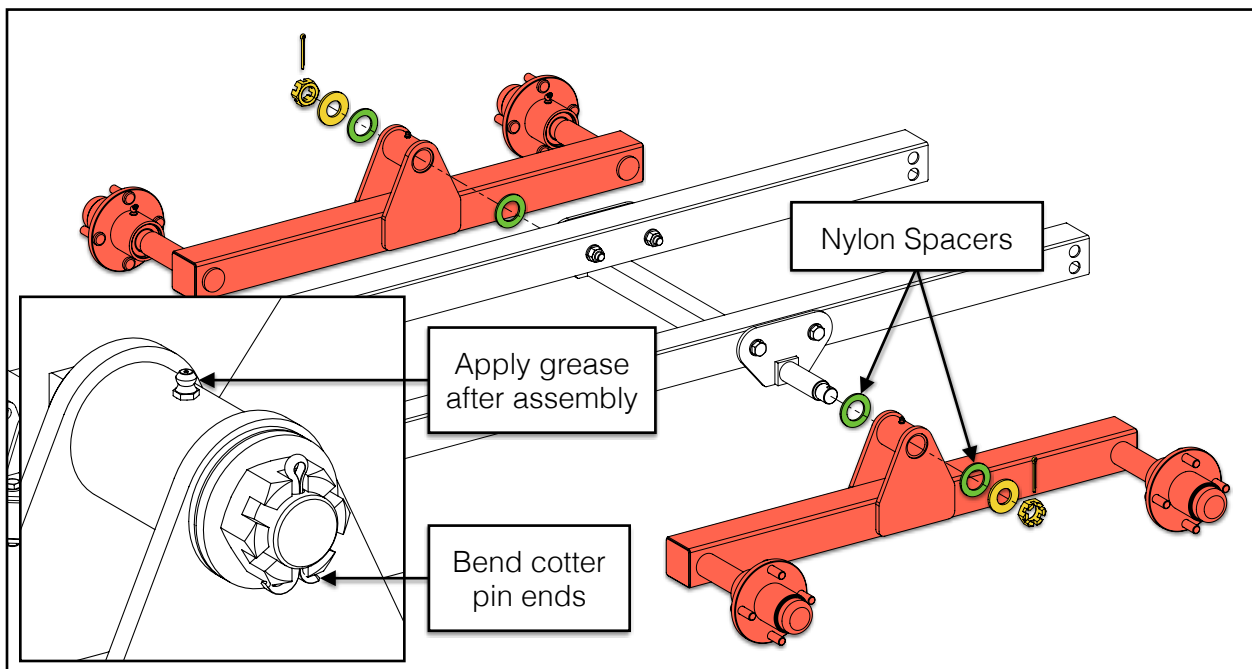
3. WALKING BEAMS

Using the components and hardware listed below, assemble the walking beams to the axle cross beam.

4x	Nylon Spacer 30.5 ID X 50 OD X 3 mm		2x	Cotter Pin	
2x	Spacer 24.5 ID X 50 OD X 4 mm		2x	Walking Beam Assembly	
2x	M24 Slotted Lock Nut				

Slide one (1) nylon spacer onto the end of the axle cross beam. Install the walking beam assembly, a second nylon spacer, one (1) galvanized spacer, followed by the slotted lock nut.

Tighten the lock nut until the hole in the end of the axle cross beam aligns with one of the slots in the lock nut. Insert one of the cotter pins through the slot/hole and bend the ends to secure it. Repeat the process for the other walking beam.

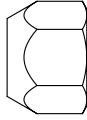
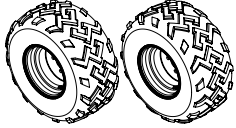


****Note: Add grease to walking beam pivots after assembly.****



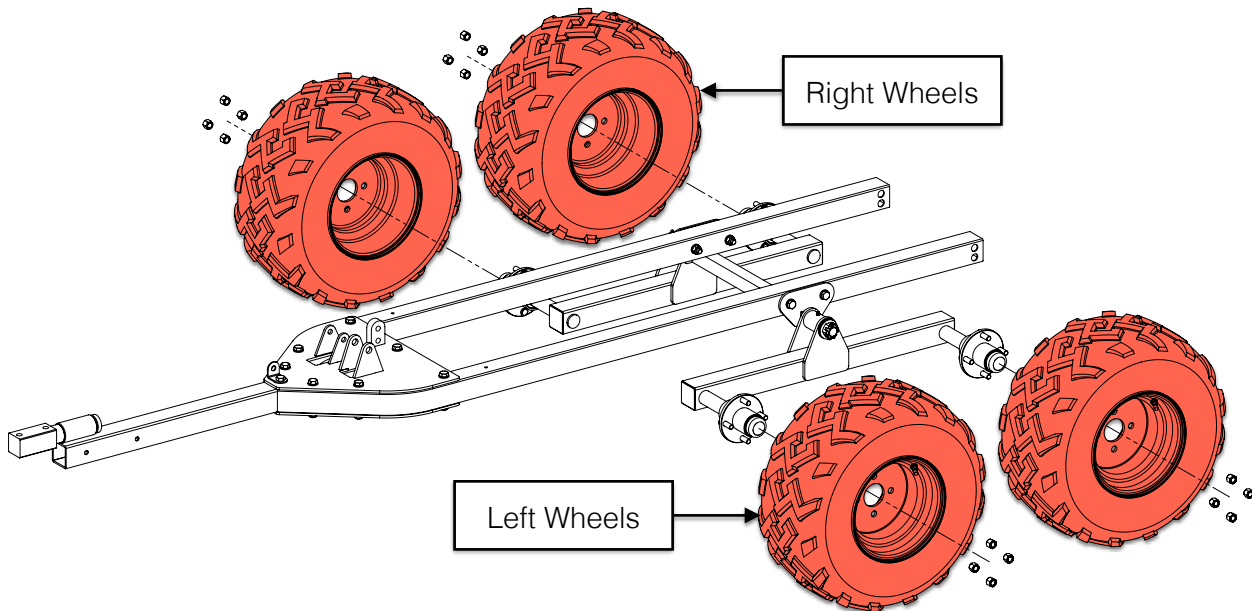
4. WHEELS

Using the hardware listed below, assemble the wheels to the walking beam hubs.

16x	M12 Lug Nut		2x 2x	Right Wheel Left Wheel	
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Ensure the wheels are oriented so that the tread pattern faces the correct direction. Install the wheels to the walking beams and **torque all the lug nuts to 80 ft·lb.**

****Note: the M12 lug nuts may come installed on the walking beam hubs.****

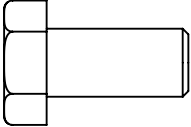
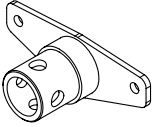
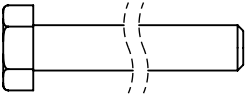
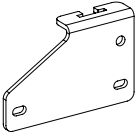
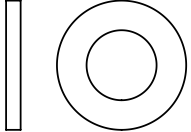
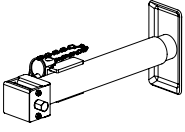
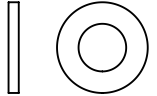
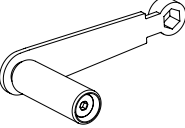
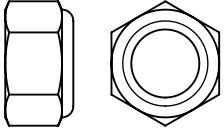
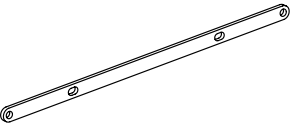
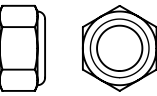
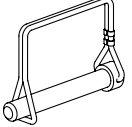


The tires are shipped without air. Inflate the tires to the manufacturer's recommended pressure located on the tire sidewall.

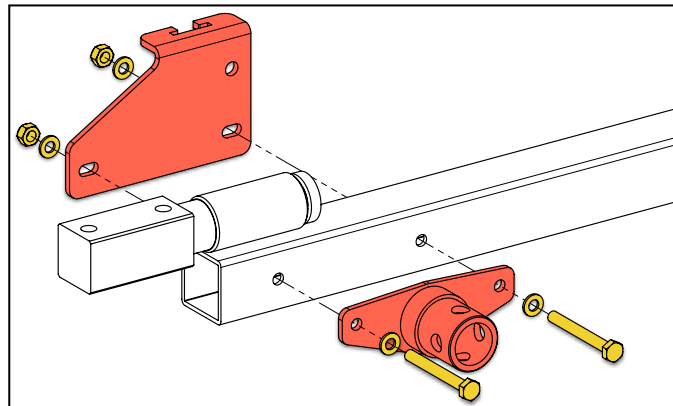


5. SWIVEL JACK

Using the components and hardware listed below, assemble the jack mount to the tongue.

1x	M12 X 35 mm Hex Bolt		1x	Swivel Jack Mount	
2x	M10 X 90 mm Hex Bolt		1x	Swivel Jack Handle Mount	
3x	M12 Flat Washer		1x	Swivel Jack	
4x	M10 Flat Washer		1x	Swivel Jack Handle Assembly	
1x	M12 Lock Nut		1x	Winch Brace	
2x	M10 Lock Nut		1x	Square Locking Pin - 12 mm Dia	

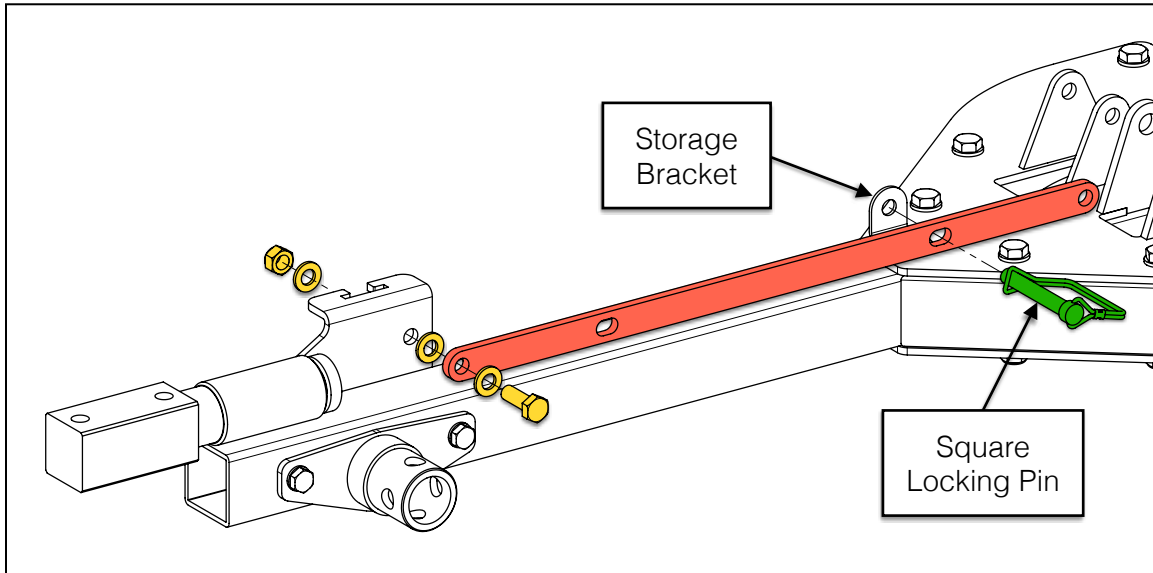
First, using two (2) M10 X 90 mm hex bolts, four (4) M10 flat washers, and two (2) M10 lock nuts, secure the jack mount and jack handle mount to the tongue as shown. Fully tighten the hardware.



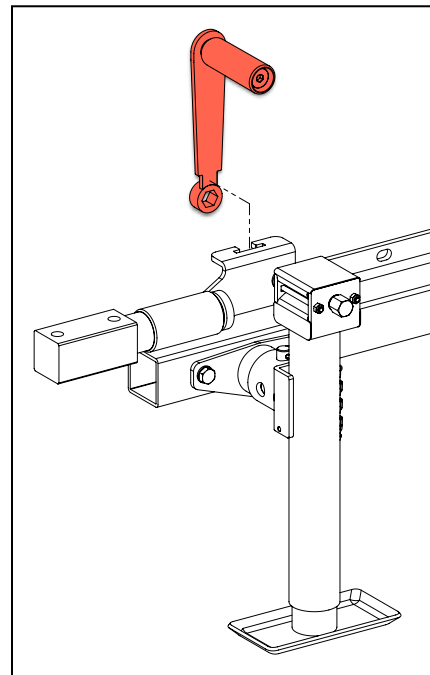
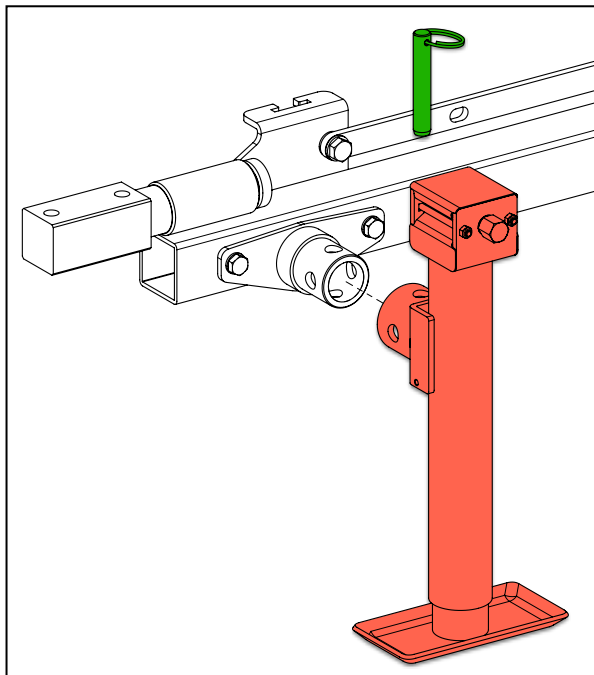


Next, using one (1) M12 X 35 mm hex bolt, three (3) M12 flat washers, and one (1) M12 lock nut, secure the winch brace to the jack handle mount as shown. Tighten the nut enough so that the brace will still rotate freely but not come loose.

Install the square locking pin to secure the other end of the brace to the storage bracket.



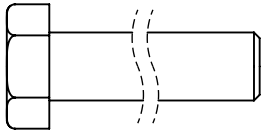
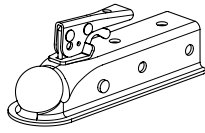
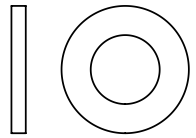
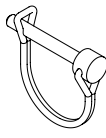
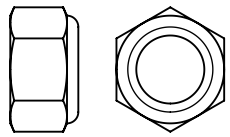
Remove the quick-release pin from the swivel jack and install the jack to the mount. Reinstall the pin to secure it in place. Ensure the jack handle hardware is tight and then stow it in the cradle in the handle mount as shown.



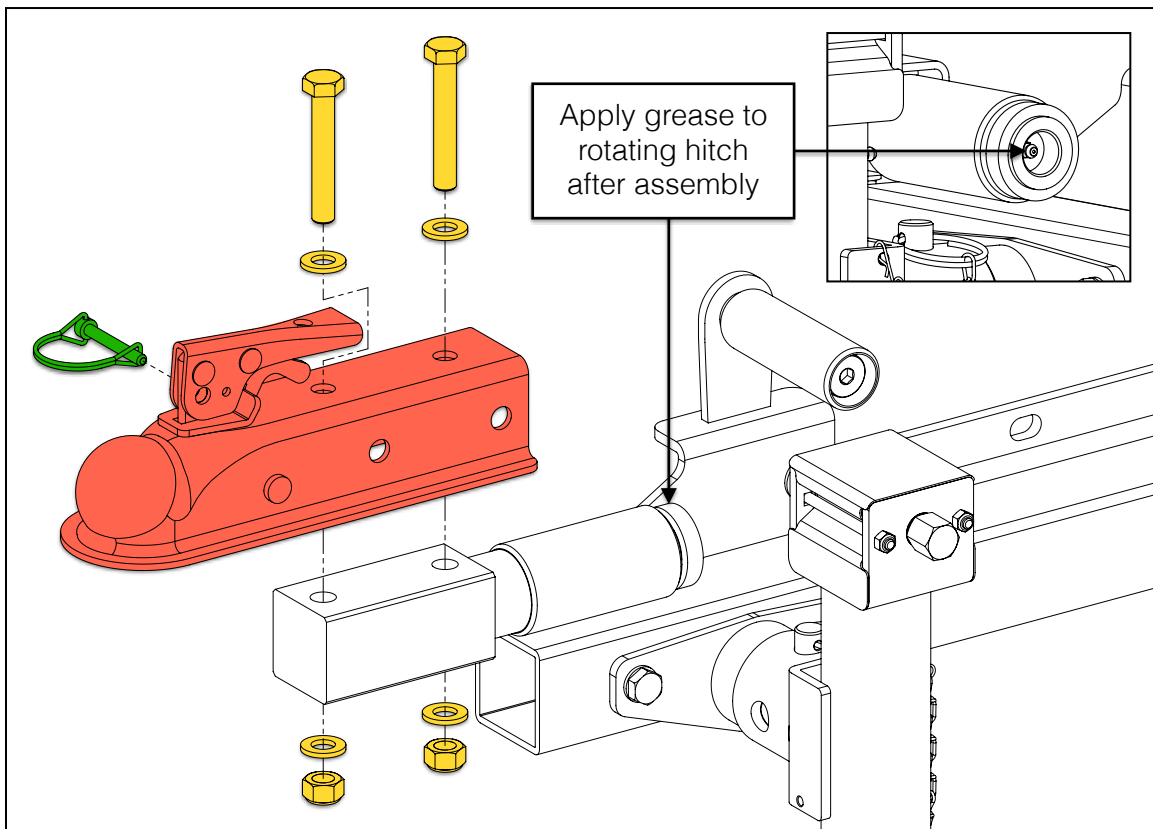


6. COUPLER

Using the components and hardware listed below, assemble the hitch ball coupler to the rotating hitch on the tongue.

2x	M12 X 75 mm Hex Bolt		1x	Hitch Ball Coupler	
4x	M12 Flat Washer		1x	Round Locking Pin	
2x	M12 Lock Nut				

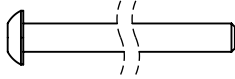
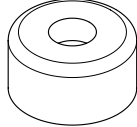


Use two (2) M12 X 75 mm hex bolts, four (4) M12 flat washers, and two (2) M12 lock nuts to secure the hitch ball coupler to the rotating hitch on the tongue. Fully tighten all the hardware. Then install the round locking pin into the hitch ball coupler release.



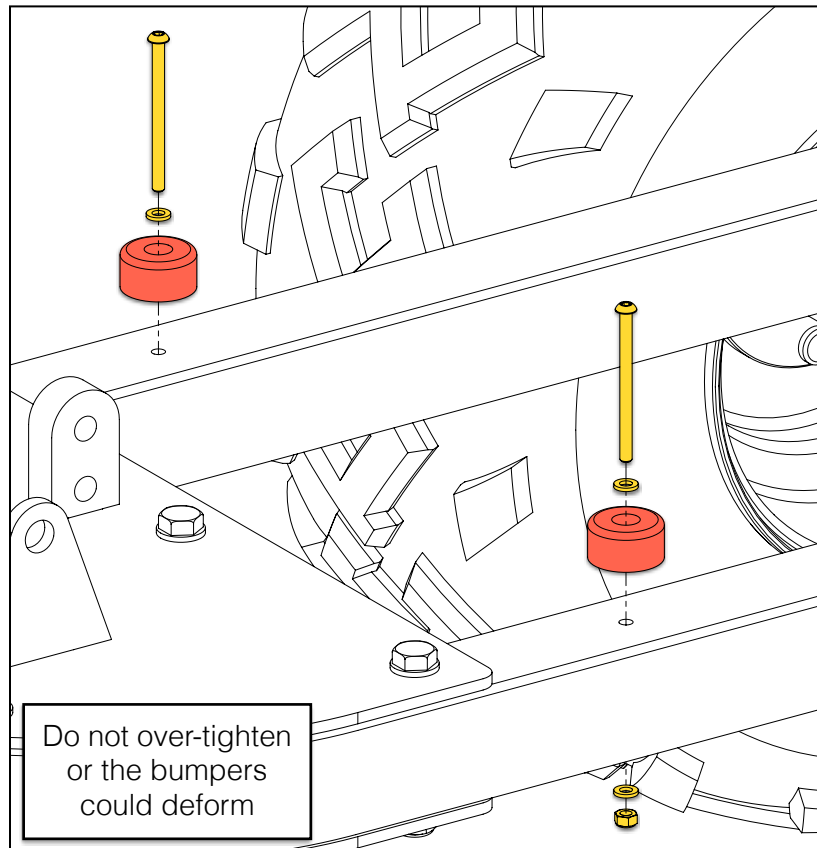


7. BUMPERS

Using the components and hardware listed below, assemble the bumpers to the side rails.

2x	M6 X 80 mm Button Head Screw		2x	Rubber Bumper	
4x	M6 Flat Washer				
2x	M6 Lock Nut				

Use one (1) M6 X 80 mm button head screw, two (2) M6 flat washers, and one (1) M6 lock nut to secure each bumper to both side rails. Take care not to over-tighten the hardware so that the bumpers do not deform.

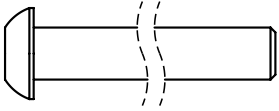
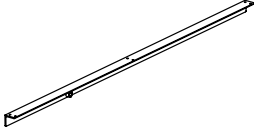
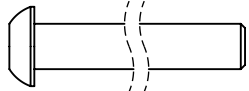
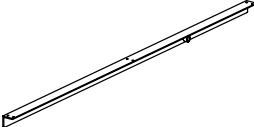
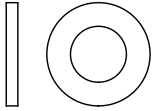
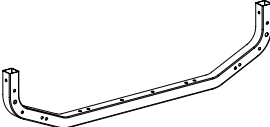
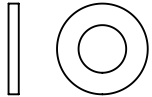
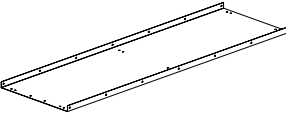
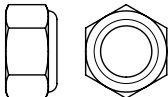
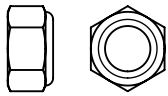




UTILITY BOX ASSEMBLY

1. FRAME

Using the components and hardware listed below, assemble the utility box frame.

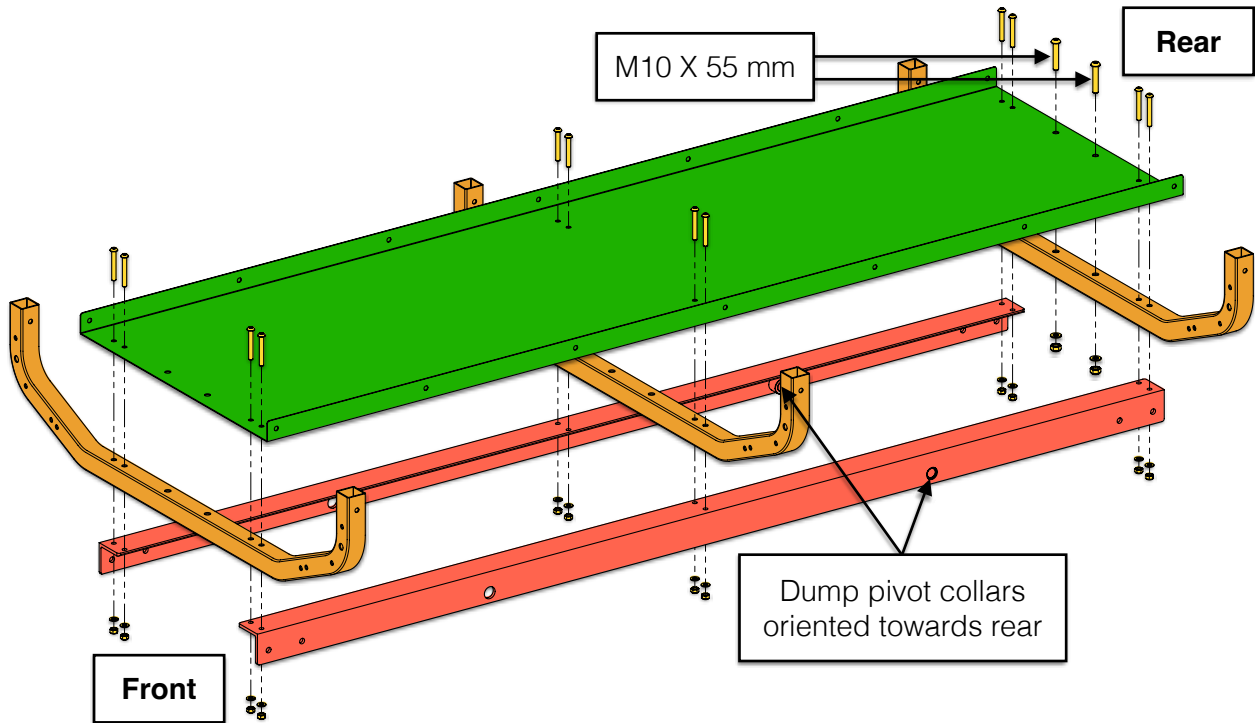
2x	M10 X 55 mm Button Head Screw		1x	Left Lower Beam	
12x	M8 X 60 mm Button Head Screw		1x	Right Lower Beam	
2x	M10 Flat Washer		3x	Support Rib	
12x	M8 Flat Washer		1x	Bed Panel	
2x	M10 Lock Nut				
12x	M8 Lock Nut				



Use twelve (12) M8 X 60 mm button head screws, twelve (12) M8 flat washers, and twelve (12) M8 lock nuts to assemble the bed panel, support ribs, and lower beams together.

Use two (2) M10 X 55 mm button head screws, two (2) M10 flat washers, and two (2) M10 lock nuts in the two centre holes at the rear of the bed pan where noted.


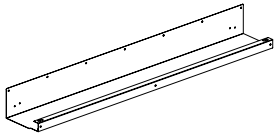
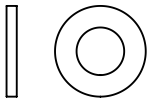
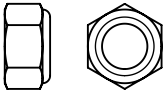
Do not fully tighten any of the hardware.



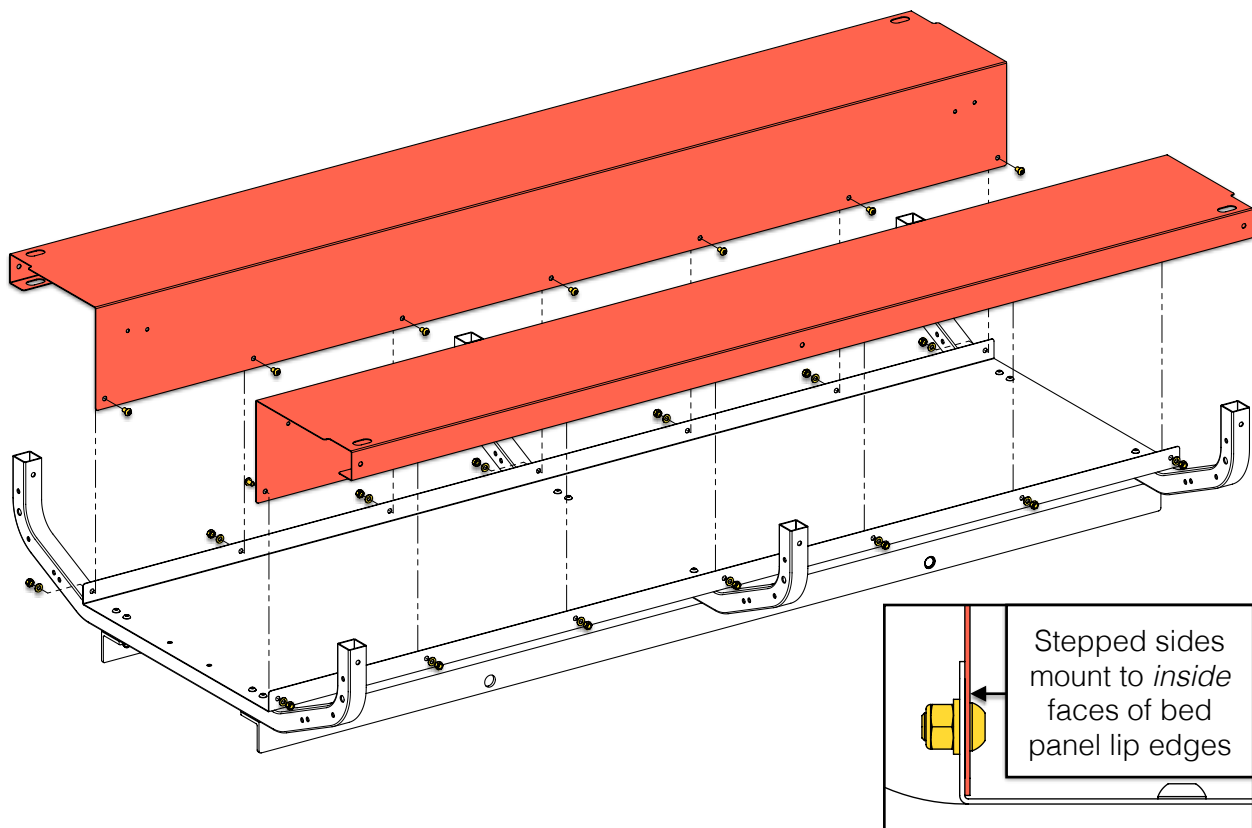


2. STEPPED SIDES

Using the components and hardware listed below, assemble the stepped side panels to the utility box frame.

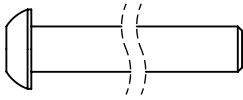
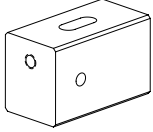
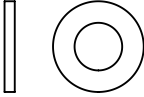
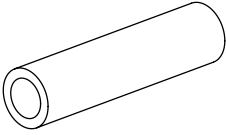
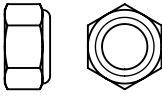
14x	M8 X 14 mm Button Head Screw		2x	Stepped Side Panel	
14x	M8 Flat Washer				
14x	M8 Lock Nut				

Use seven (7) M8 X 14 mm button head screws, seven (7) M8 flat washers, and seven (7) M8 lock nuts to join each stepped side panel to the bed panel. Do *not* fully tighten any of the hardware until instructed.

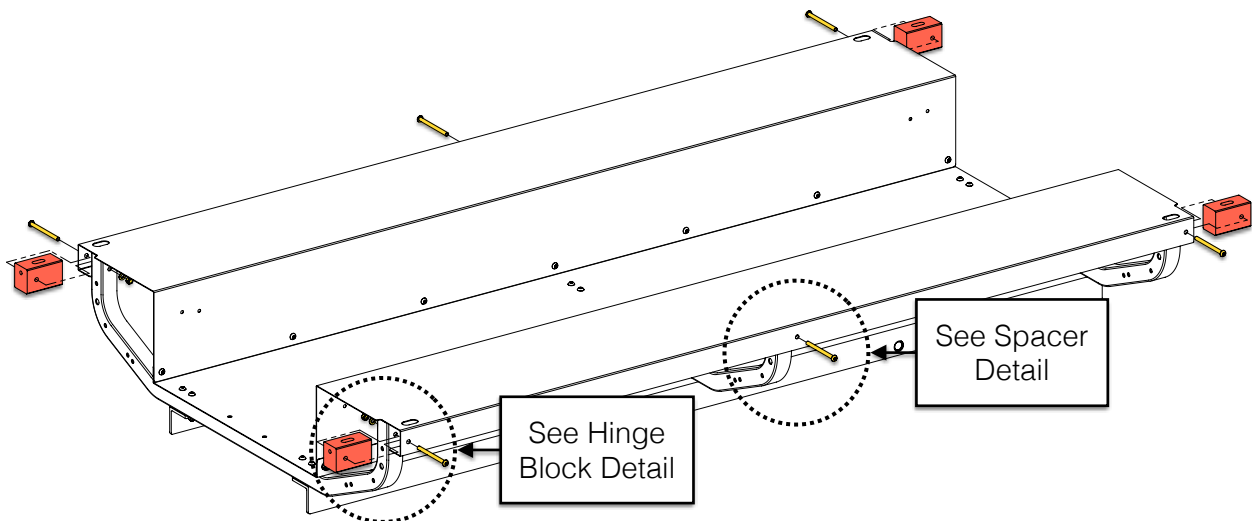




With the stepped side panels loosely assembled, use the following components and hardware to finalize their assembly to the utility box frame.

6x	M8 X 100 mm Button Head Screw		4x	Hinge Block	
6x	M8 Flat Washer		2x	Spacer 8 X 12 X 48	
6x	M8 Lock Nut				

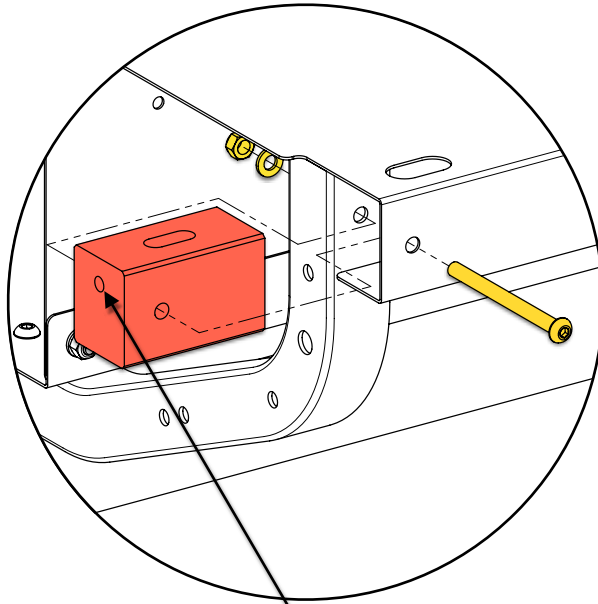
Use one (1) M8 X 100 mm button head screw, one (1) M8 flat washer, and one (1) M8 lock nut to join each hinge block at both ends of each stepped side panel with the two end support ribs.



At the midpoint of each side panel, use one (1) M8 X 100 mm button head screw, one (1) M8 flat washer, and one (1) M8 lock nut to join the panel to the centre support rib using the 8 X 12 X 48 mm spacer.

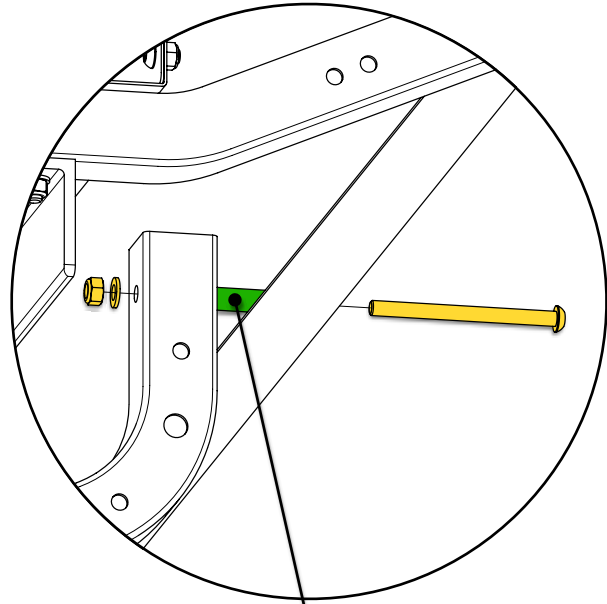
See both of the **Hinge Block Details** and the **Spacer Detail** views on the next page for orientation instructions.

Hinge Block Detail

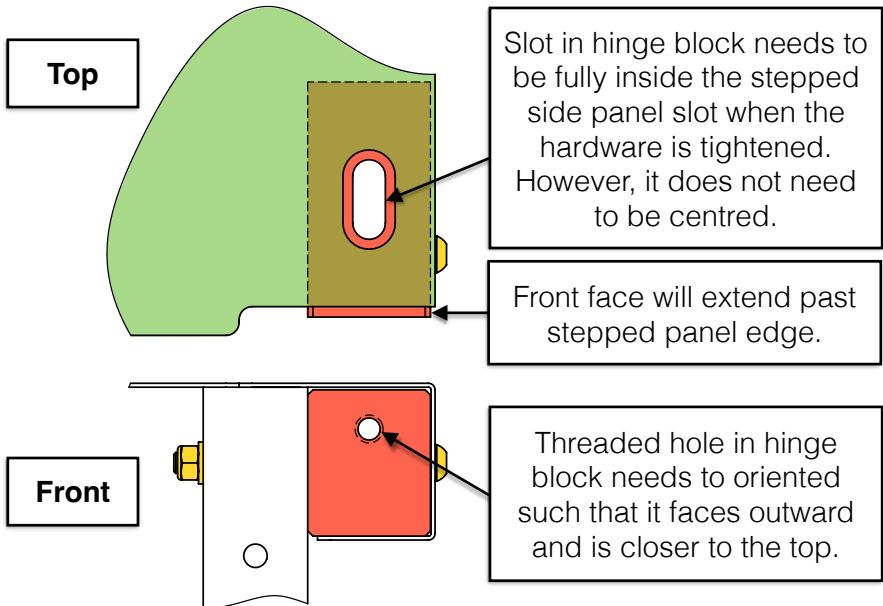


Threaded hole in hinge block facing outward.

Spacer Detail



Spacer is positioned inside the lip edge of the stepped side panel.

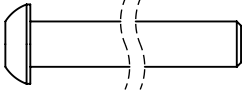
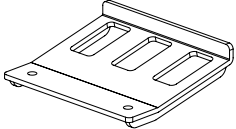
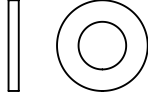
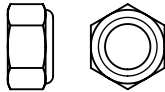


Do *not* fully tighten any of the hardware until instructed.

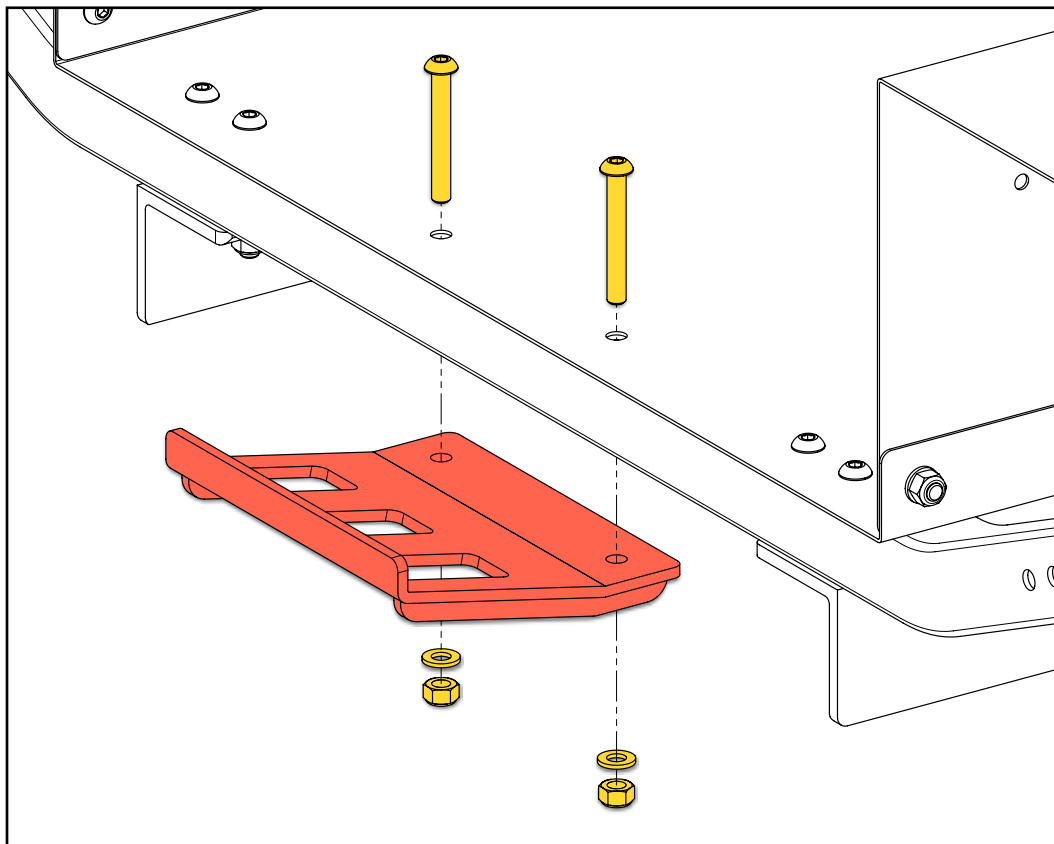


3. PICKUP

Using the components and hardware listed below, assemble the pickup to the bed frame.

2x	M10 X 60 mm Button Head Screw		1x	Pickup	
2x	M10 Flat Washer				
2x	M10 Lock Nut				

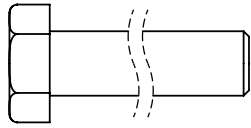
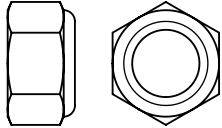
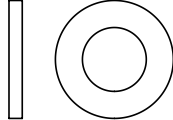
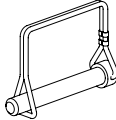
Use two (2) M10 X 60 mm button head screws, two (2) M10 flat washers, and two (2) M10 lock nuts to secure the pickup to the front support rib.



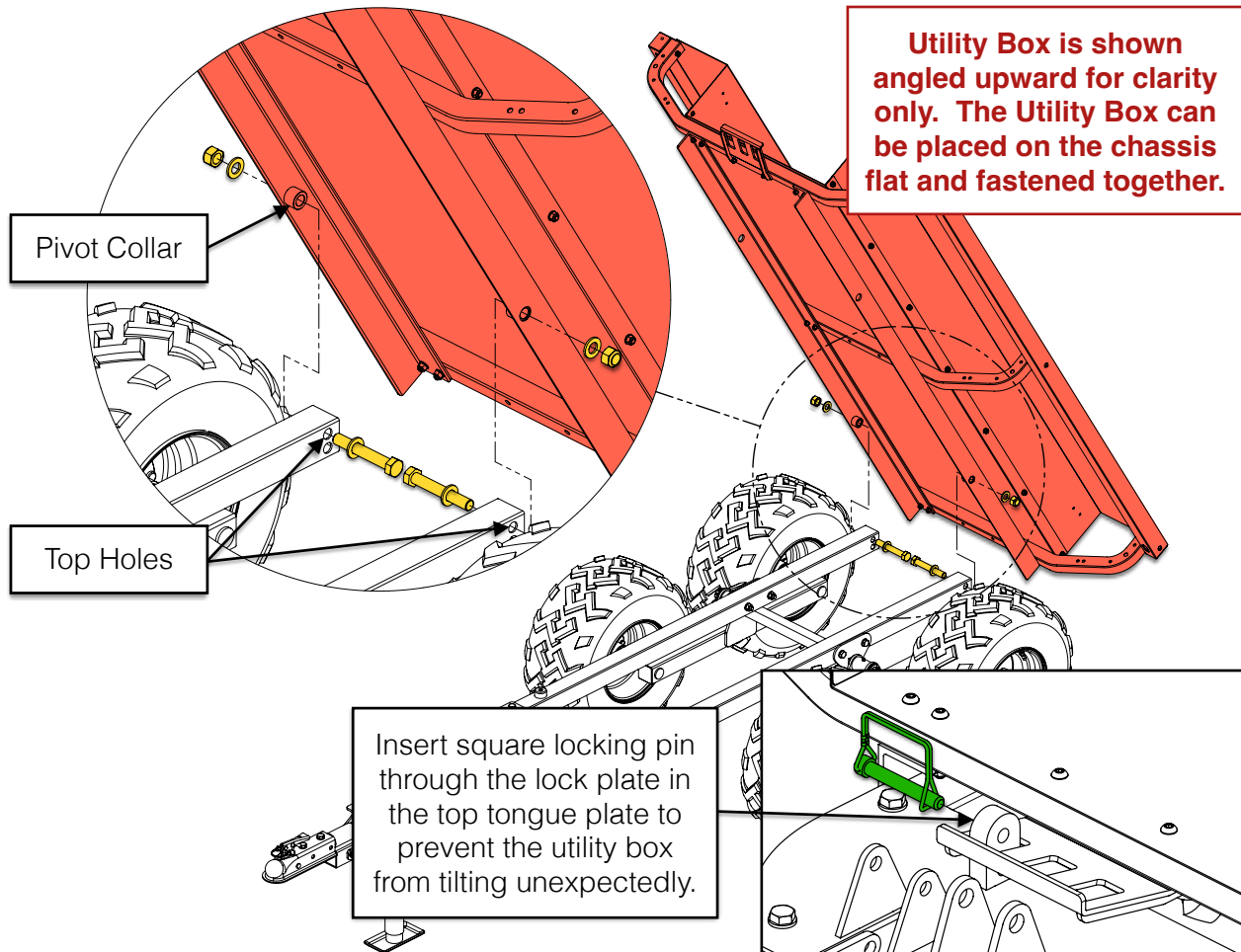


4. UTILITY BOX-TO-CHASSIS

Using the components and hardware listed below, assemble the utility box to the chassis.

2x	M18 X 120 mm Hex Head Bolt		2x	M18 Lock Nut	
4x	M18 Flat Washer		1x	Square Locking Pin	

Use two (2) M18 X 120 mm hex head bolts, four (4) M18 flat washers, and two (2) M18 lock nuts to secure the pickup to the front support rib. Pass the bolts through the pivot collars on the utility box rails and through the top set of holes at the ends of both chassis side beams.

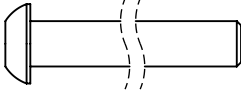
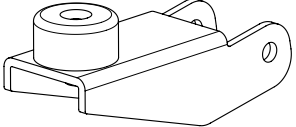
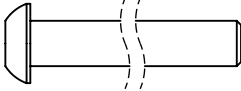
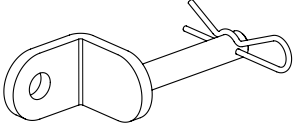
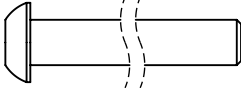
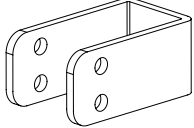
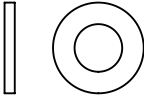
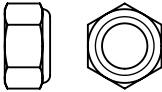


****Check that the utility box is sitting square on the chassis and then tighten all the hardware from this and all previous steps****

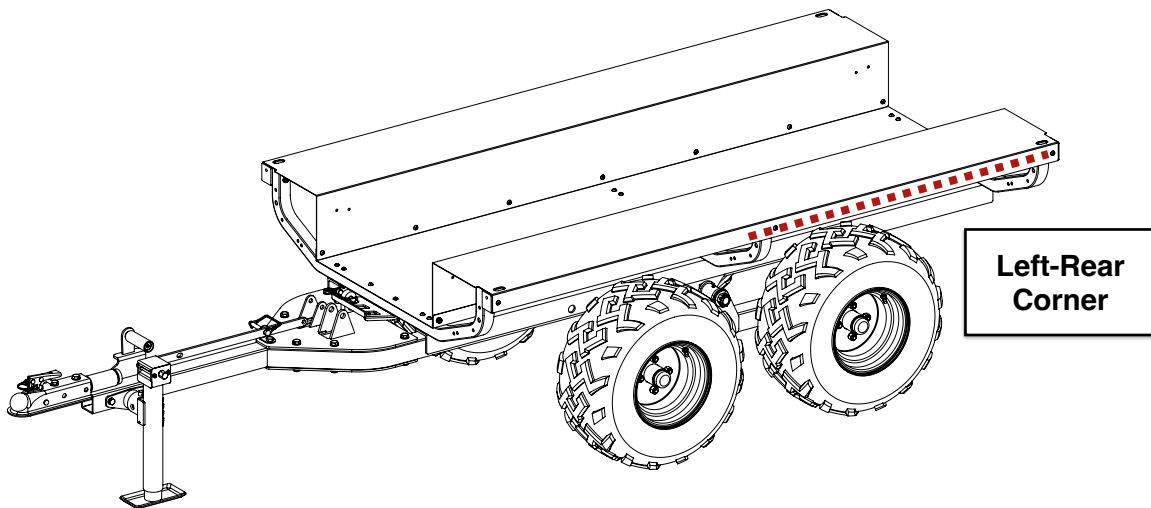


5. BRACKETRY

Using the components and hardware listed below, assemble the brackets to the utility box support ribs.

1x	M8 X 70 mm Hex Head Bolt		4x	Bumper Bracket Assembly	
7x	M8 X 65 mm Hex Head Bolt		2x	Ramp Storage Bracket Assembly*	
1x	M8 X 60 mm Hex Head Bolt		2x	Winch Bracket	
18x	M8 Flat Washer		<p>*The Ramp Storage Bracket Assemblies may ship assembled to the Log Loading Ramp Leg in the crate.</p> <p>Remove them from the ramp leg to complete this step if required.</p>		
9x	M8 Lock Nut				

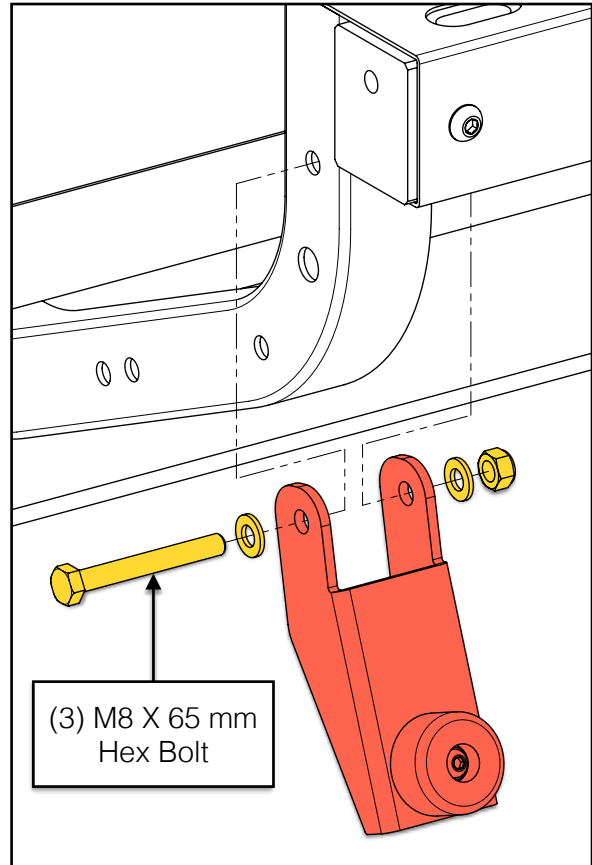
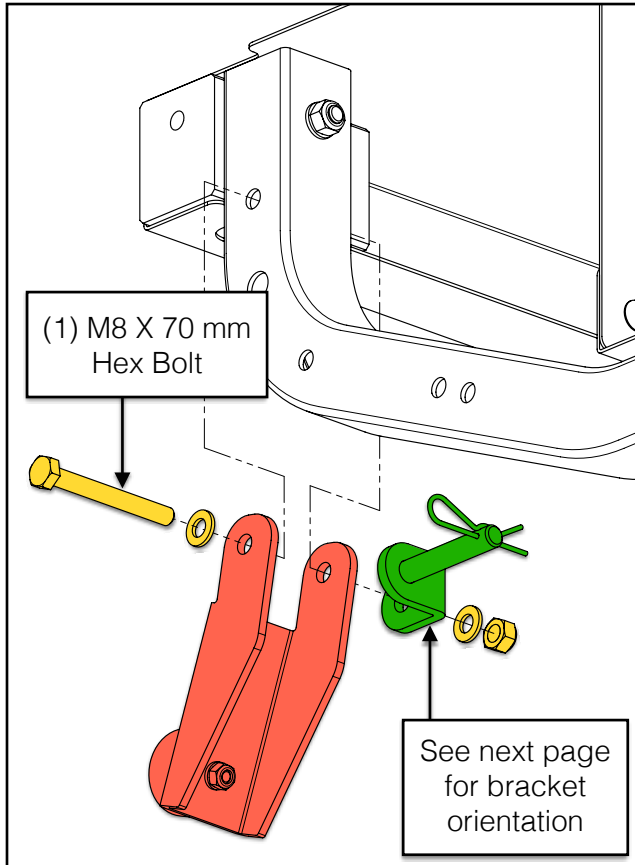
Before installing any of the bracketry, decide where the log loading ramp leg will be stowed when not in use. The manual will use the location shown below as an example but any of the four corners of the utility box (under the stepped side panels) can be used.





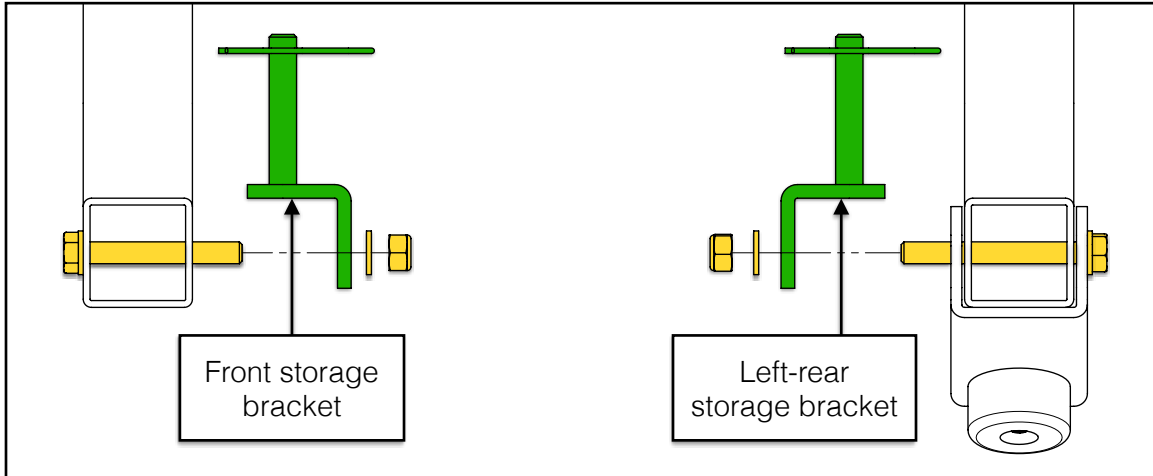
At the left-rear corner, assemble the bumper and ramp storage bracket to the support rib using one (1) M8 X 70 mm hex head bolt, two (2) M8 flat washers, and one (1) M8 lock nut.

For the remaining three corners, use the same hardware except replace the M8 X 70 mm hex head bolt with the 65 mm long bolt.

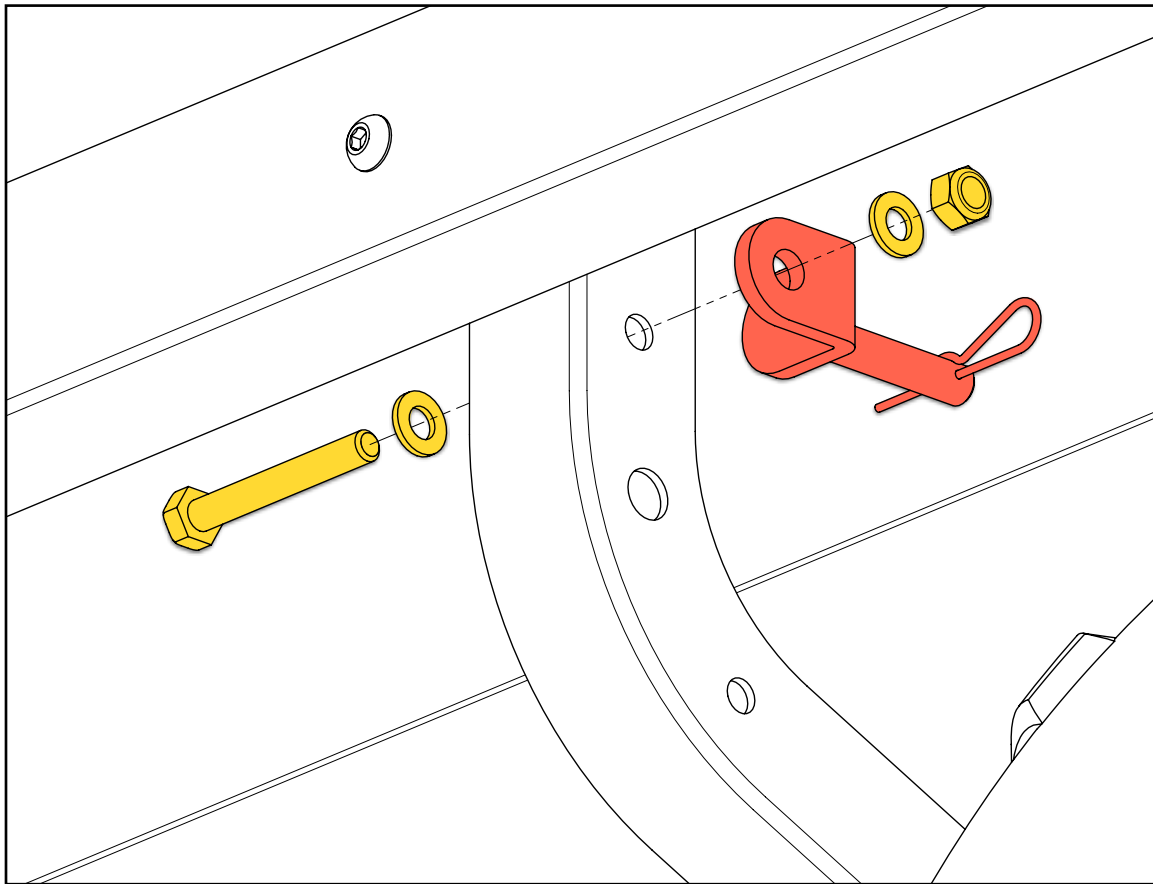




It is important when installing the front storage bracket that it be oriented opposite the bracket in the left-rear corner as shown below, otherwise, the holes in the ramp leg will not align with the bracket posts when stowed.



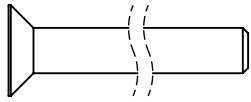
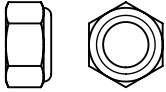
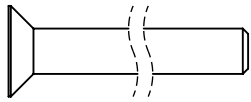
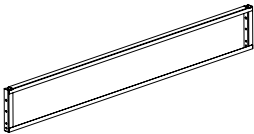
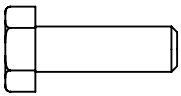
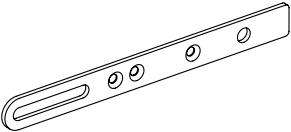
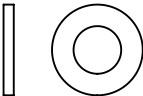
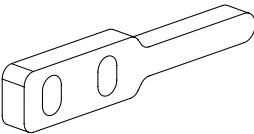
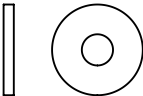
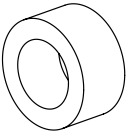
To mount the front storage bracket to the *middle* support rib, use one (1) M8 X 65 mm hex head bolt, two (2) M8 flat washers, and one (1) M8 lock nut.



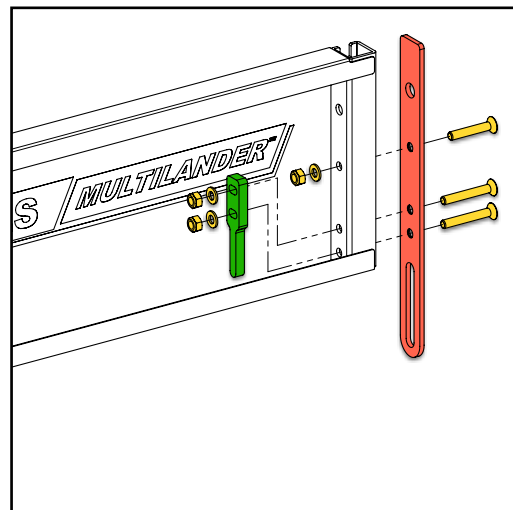
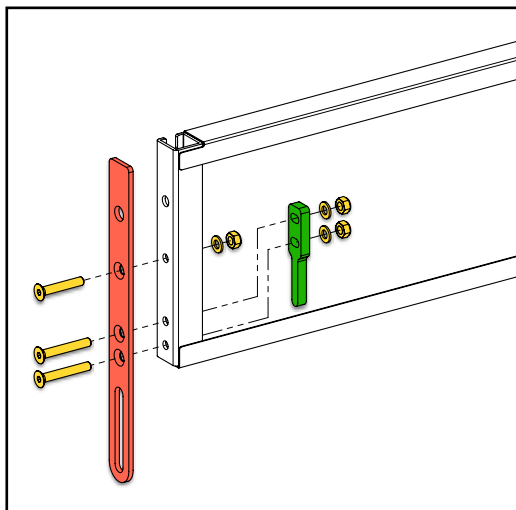


6. SIDE PANELS

Using the components and hardware listed below, assemble the side panels and secure them to the utility box.

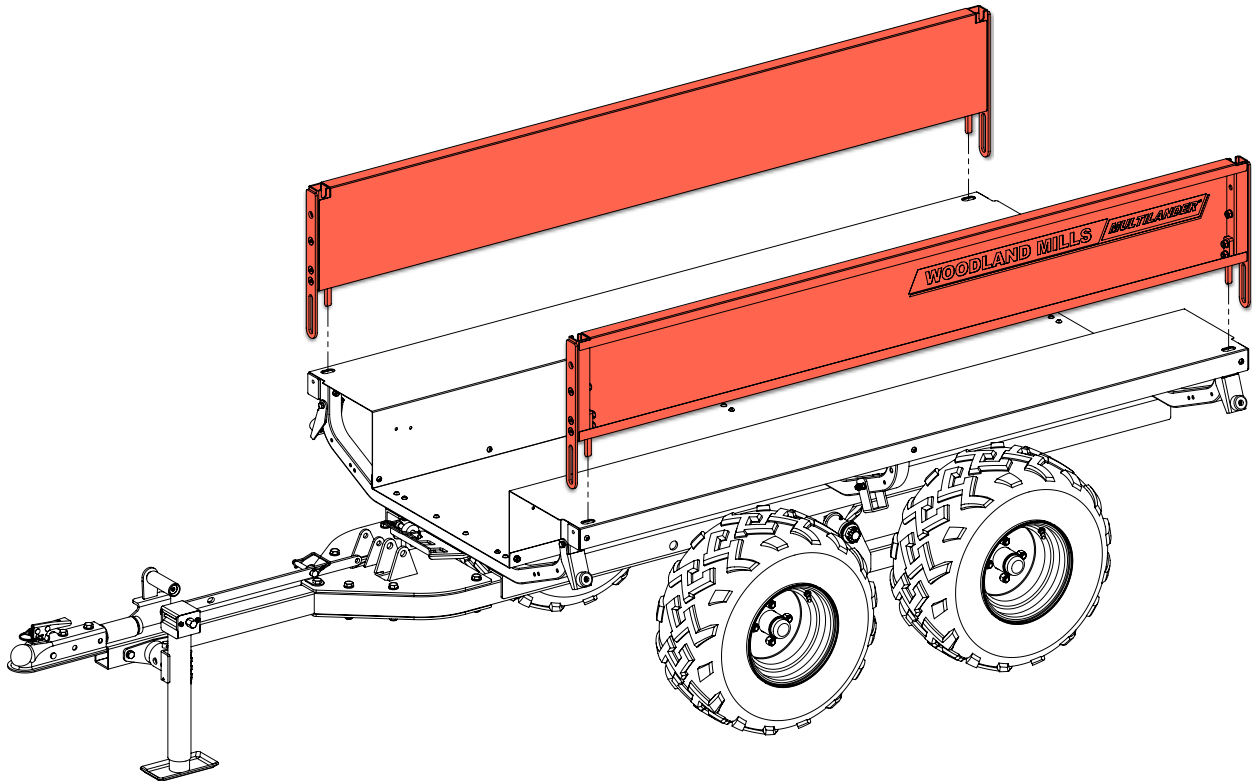
8x	M10 X 70 mm Flat Head Screw		12x	M10 Lock Nut	
4x	M10 X 60 mm Flat Head Screw		2x	Side Panel	
4x	M10 X 25 mm Hex Head Bolt		4x	Side Panel Hinge	
12x	M10 Flat Washer		4x	Indexer	
4x	M10 X 34 mm Fender Washer		4x	Spacer 10 X 16 X 8	

Using one (1) M10 X 60 mm flat head screw, two (2) M10 X 70 mm flat head screws, three (3) M10 flat washers, and three (3) M10 lock nuts, secure the side panel hinge and indexer to each end of both side panels as shown. Ensure the hinge and indexer are straight before tightening.

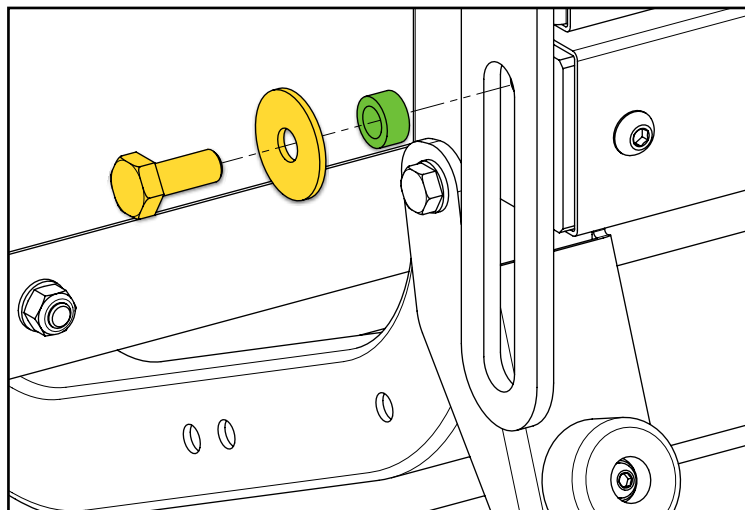




Assemble both side panels to the utility box bed, ensuring the indexers slide down into the slots in the hinge blocks.




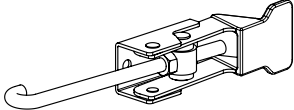

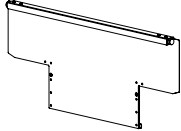
On both ends of each side panel, secure the panel to the bed. Thread one (1) M10 X 25 mm hex head bolt, one (1) M10 fender washer, and one (1) spacer through the side panel hinge slot and into the threaded hole in the hinge block as shown below. Tighten all the hardware.



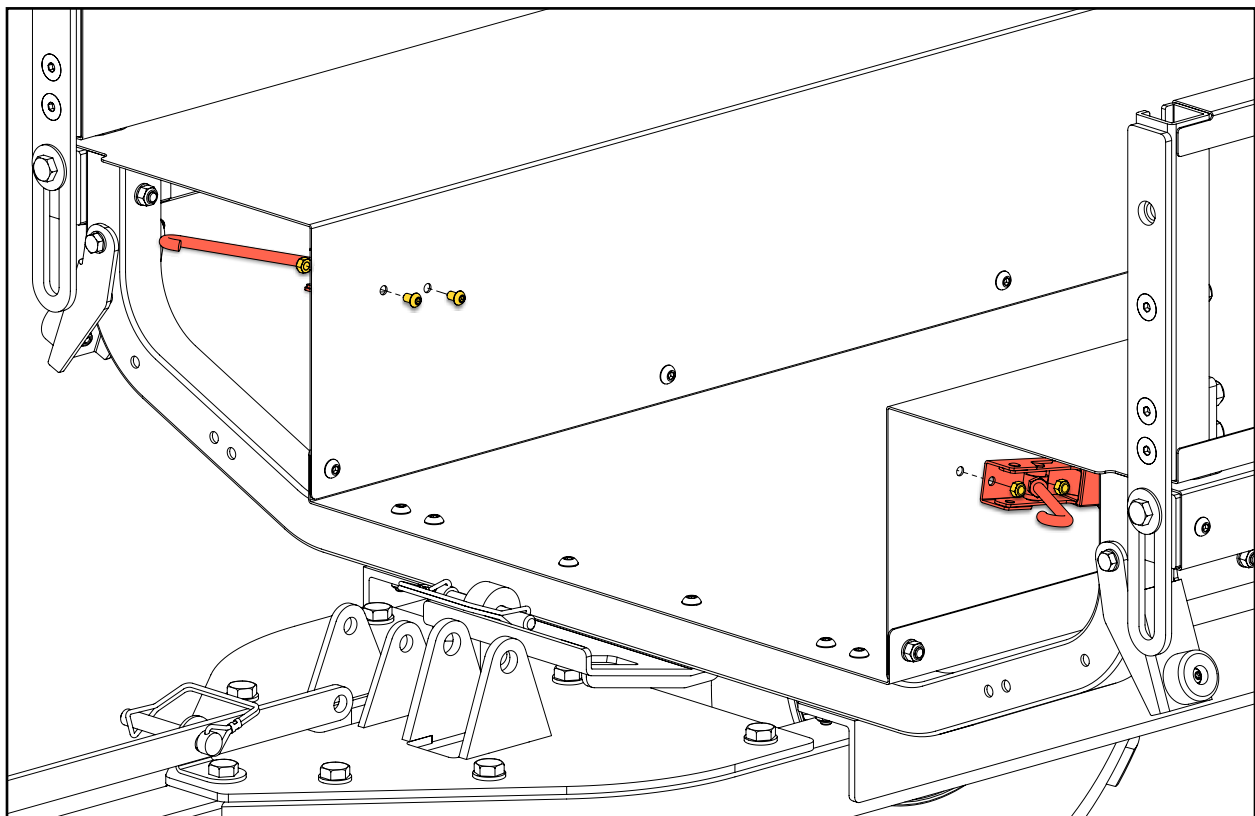


7. TAILGATES

Using the components and hardware listed below, assemble the tailgates to the utility box.

8x	M6 X 12 mm Button Head Screw		4x	Hook Latch	
8x	M6 Lock Nut		2x	Tailgate Assembly	

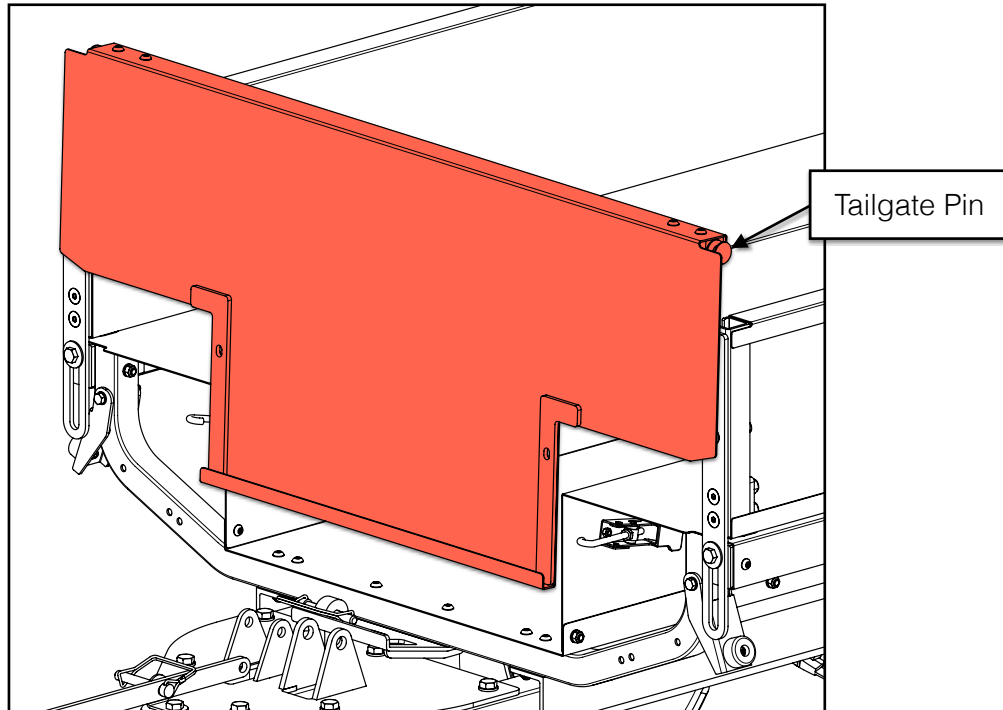
Use two (2) M6 X 12 mm button head screws and two (2) M6 lock nuts to secure each of the four (4) hook latches to the stepped side panels as shown. There are two (2) hook latches at each end of the utility box.



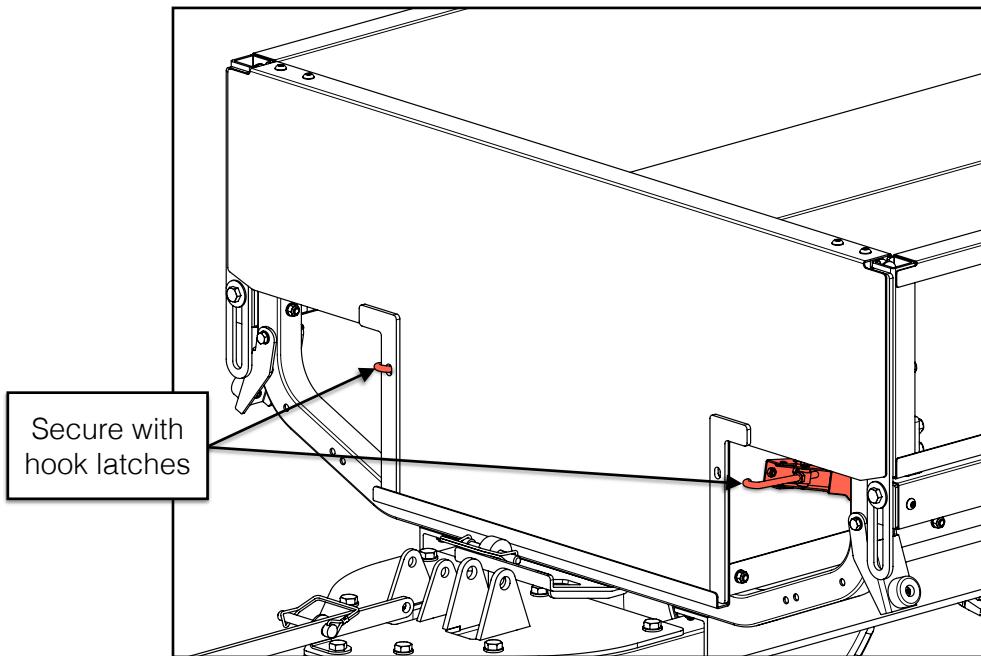
Before installing the tailgate assembly on the utility box, verify that the four (4) button head screws along the top the tailgate assembly are fully tightened before installation.



Slide the tailgates down so that the tailgate pins nest into the slots at the top of the side panel tubes.



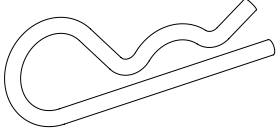
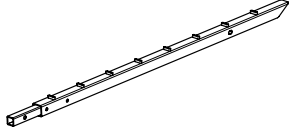
Then secure the tailgates to the utility box with the hook latches. Adjust the engagement of the hook latches using the jam nut on the latch.



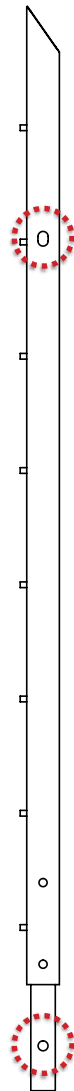
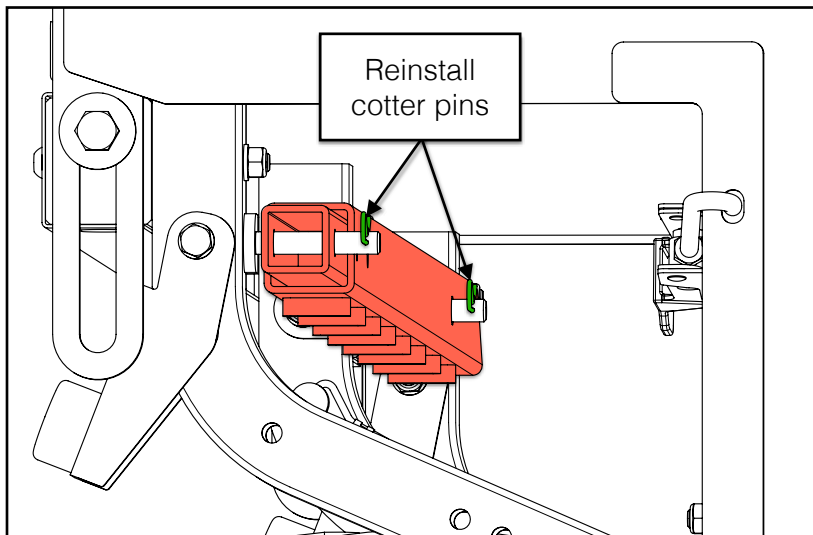
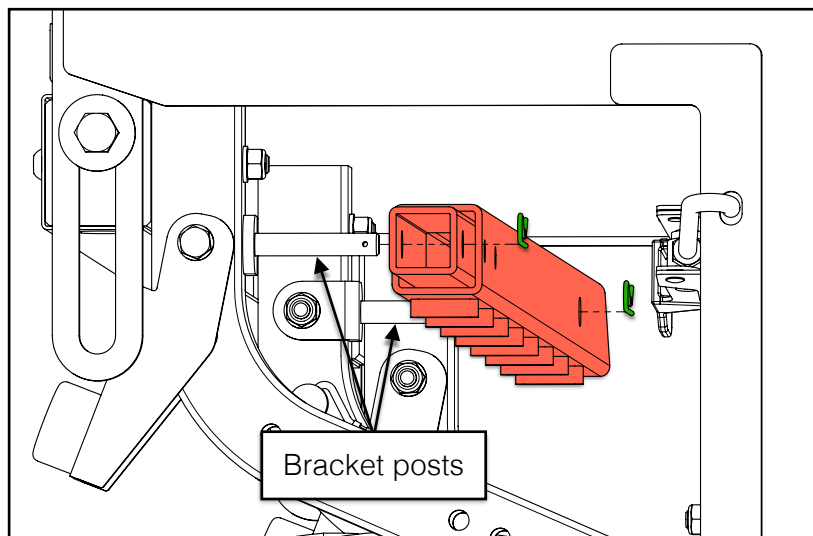


8. LOG LOADING RAMP LEG

Use the components listed below to store the log loading ramp leg up under the stepped side panel.

[2x]	Hairpin Cotter Pin		1x	Log Loading Ramp Leg	
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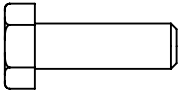
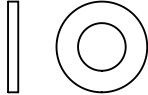
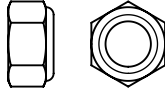
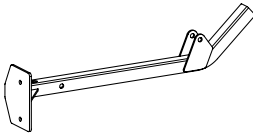
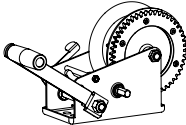
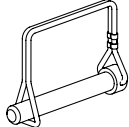
Remove the two (2) cotter pins from the ramp storage brackets if they are not already. Slide the log loading ramp leg onto the bracket posts through the hole and slot at each end of the leg.

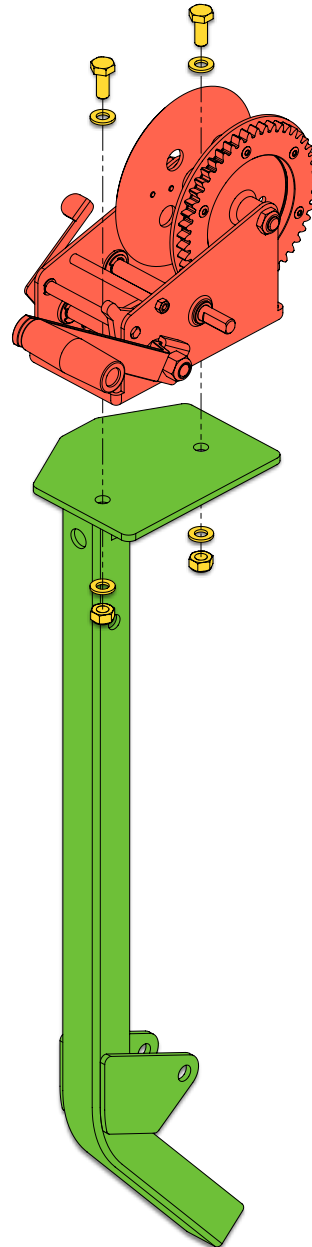


WINCH AND BOOM ASSEMBLY

1. WINCH POST

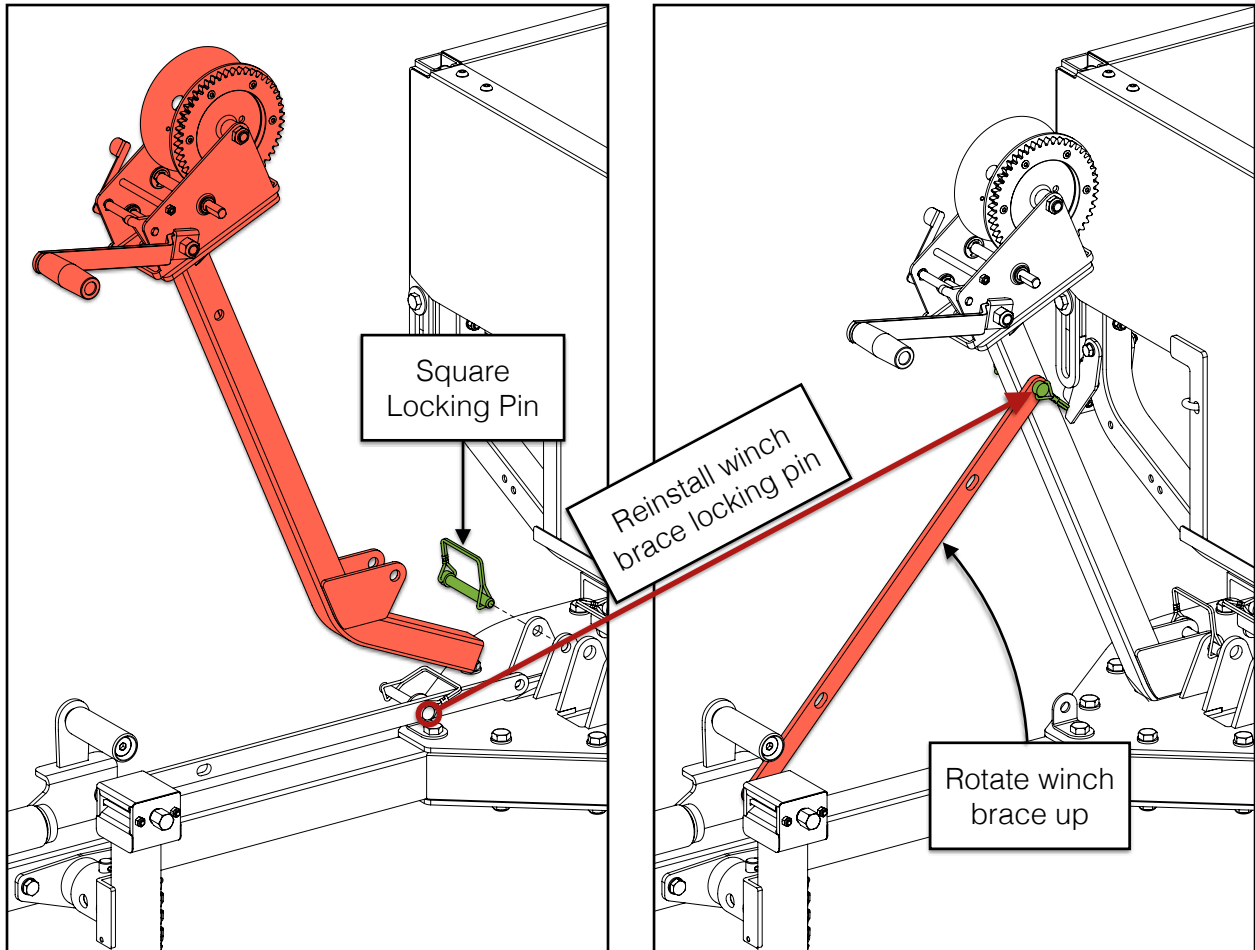
Using the components and hardware listed below, assemble the winch post and install it on the trailer.

2x	M10 X 25 mm Hex Head Bolt	
4x	M10 Flat Washer	
2x	M10 Lock Nut	
1x	Winch Post	
1x	Winch Assembly	
1x	Square Locking Pin	



Use two (2) M10 X 25 mm hex bolts, four (4) M10 flat washers, and two (2) M10 lock nuts to join the winch to the winch post.

With the winch post assembled, slide the bent end of the post into the slot in the top tongue plate as shown. Insert the square locking pin to keep it from backing out.



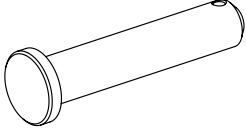
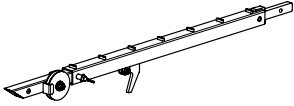
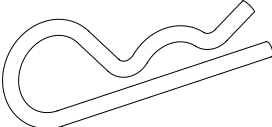
Disconnect the square locking pin from the winch brace, rotate the brace up, and reinstall the square locking pin through the hole in the end of the brace and the hole near the top of the winch post.

The winch post is now fully secured.

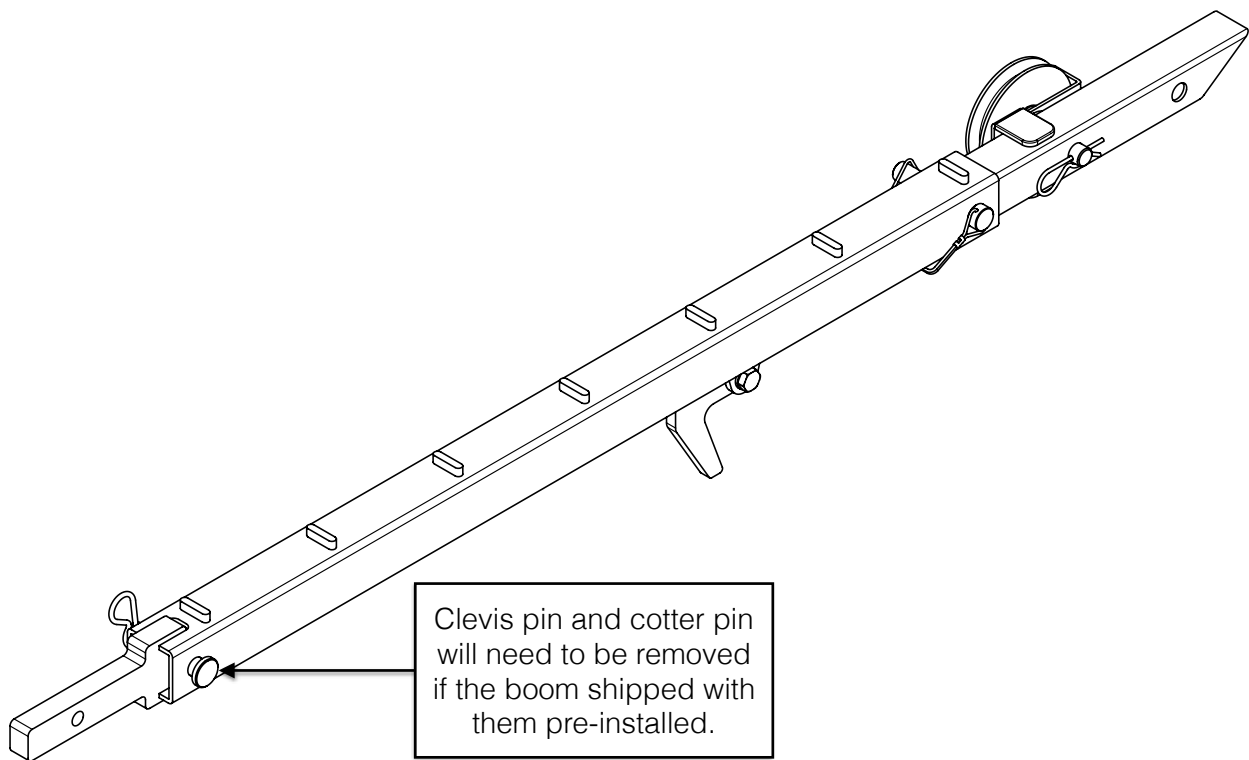


2. BOOM

Using the components and hardware listed below, assemble the boom to the trailer.

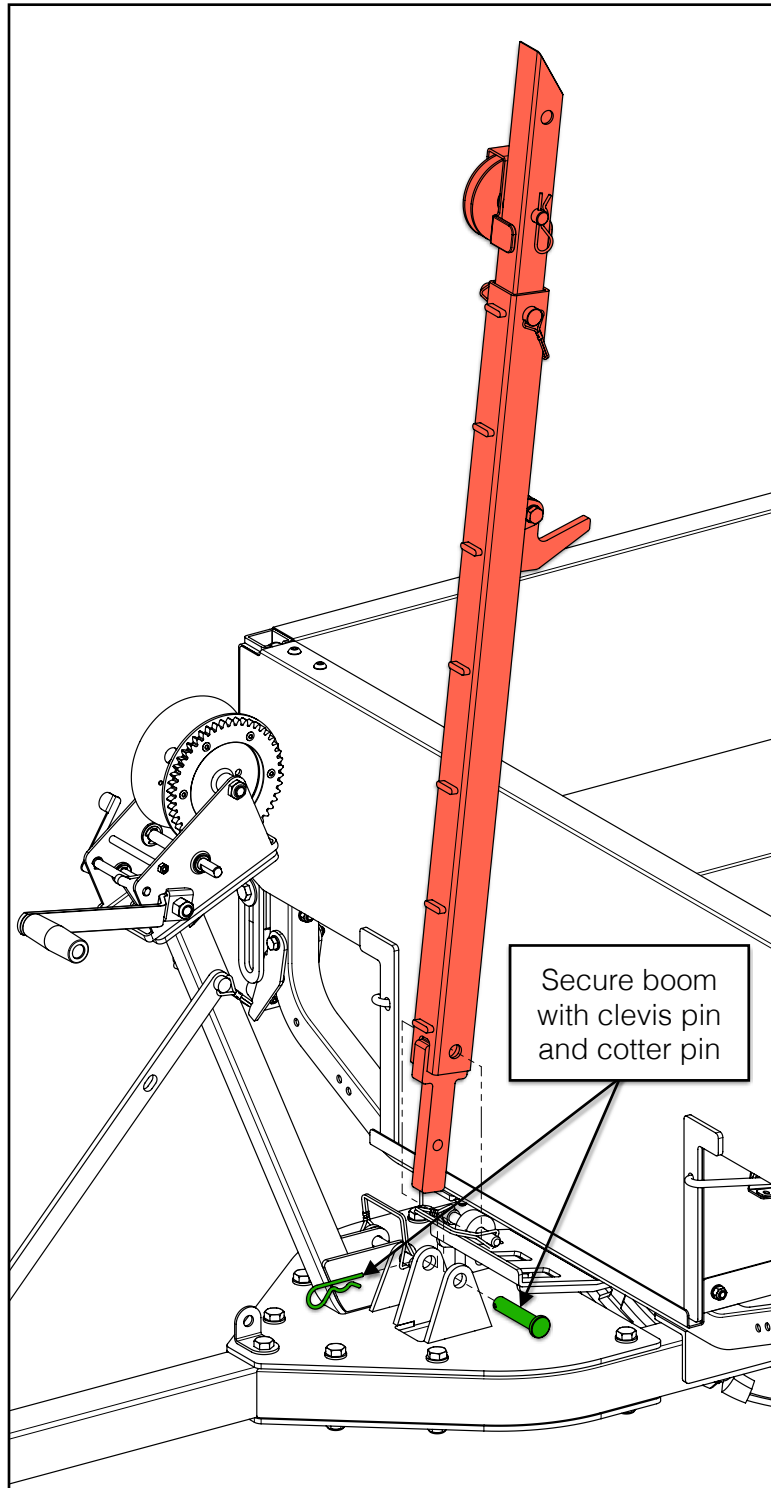
1x	Clevis Pin		1x	Boom Assembly	
1x	Hairpin Cotter Pin				

The boom comes assembled in the crate. Ensure all the fasteners are tight before installing the boom on the trailer. The clevis pin and hairpin cotter pin will need to be removed from the boom before it can be assembled to the trailer.



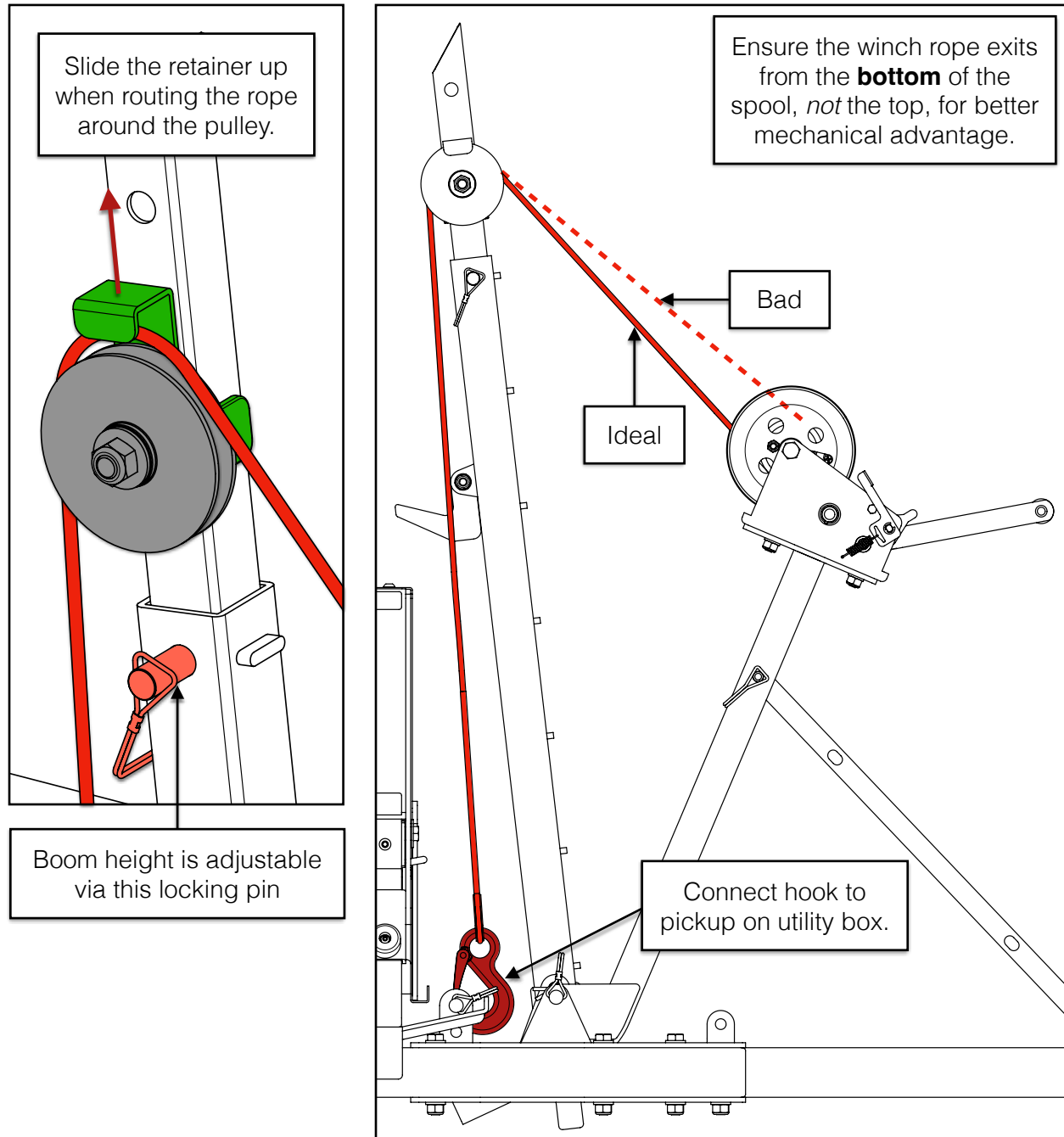


Install the boom into the slot in the top tongue plate and secure it with the clevis pin and hairpin cotter pin. Rest the boom against the tailgate until the winch rope is routed.



3. WINCH ROPE

Route the rope from the winch over the boom pulley. Slide the retainer up so that the rope can pass over the pulley then release it to let it back down. Connect the hook to the pickup on the front of the utility box.

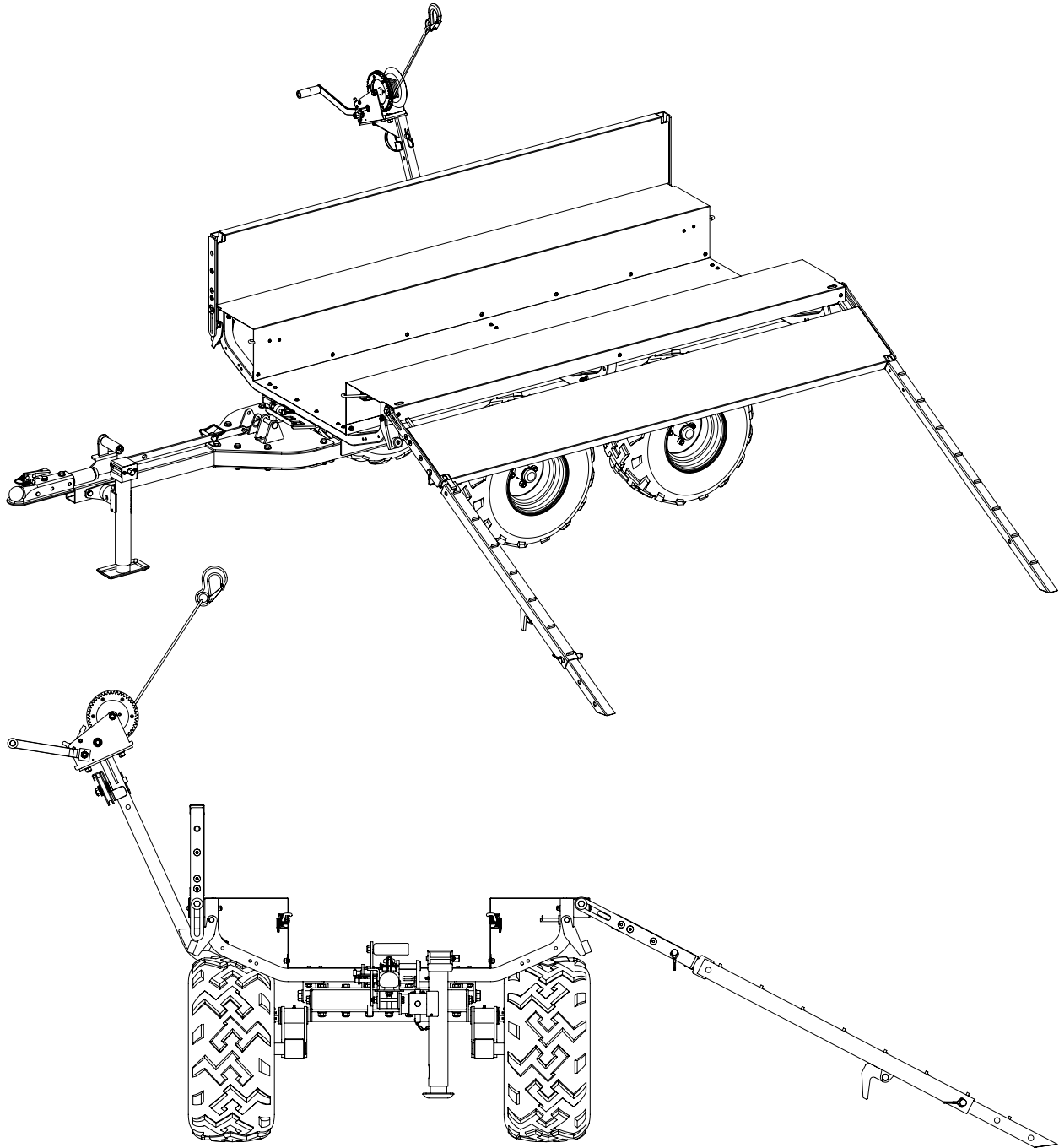


Note: If the winch shipped with the rope exiting the top of the spool, it will need to be unwound and then rewound in the opposite direction.

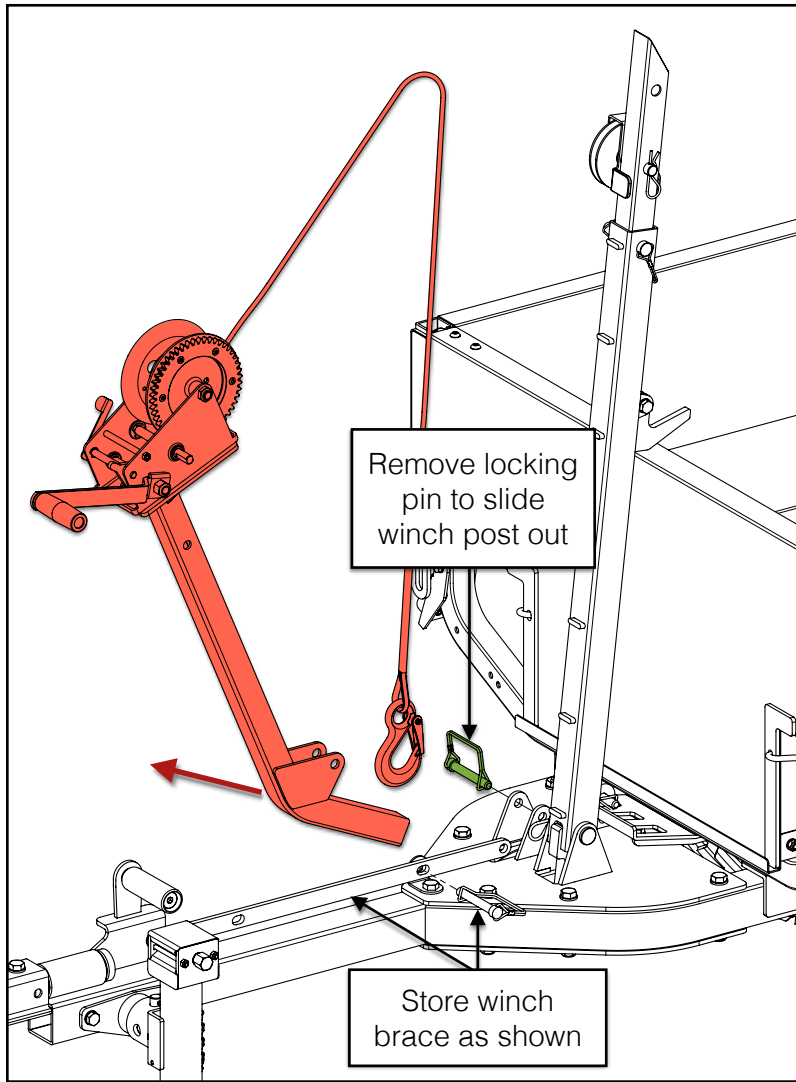


OPERATION

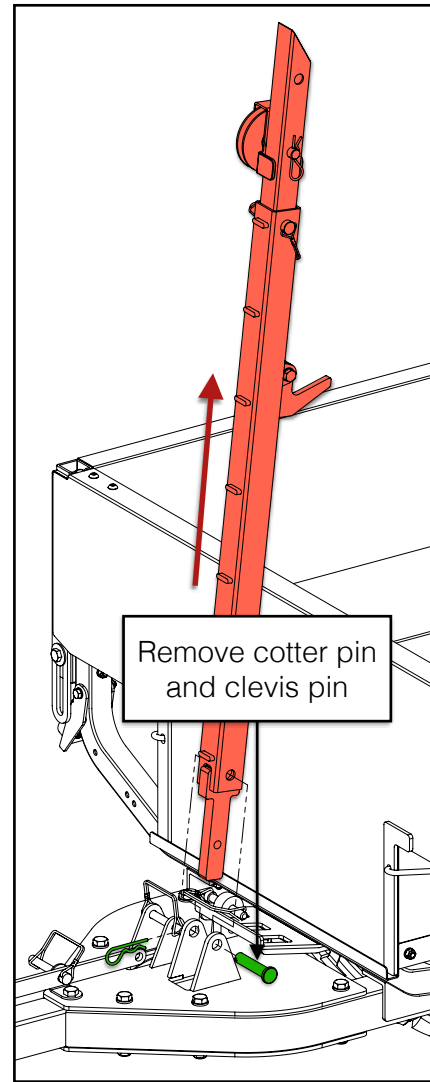
To haul timber, the Multilander™ can be converted to a log loading configuration allowing for logs to be winched up the side and into the bed.



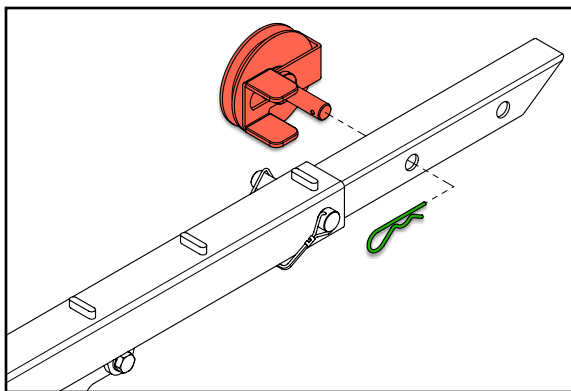
Follow the steps on the following pages to set up the trailer for log loading.



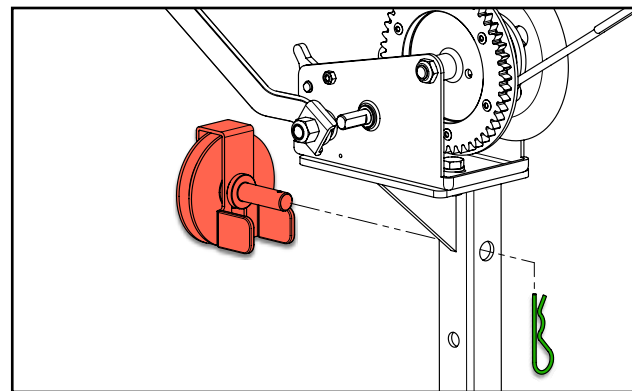
1. REMOVE THE WINCH AND WINCH POST.



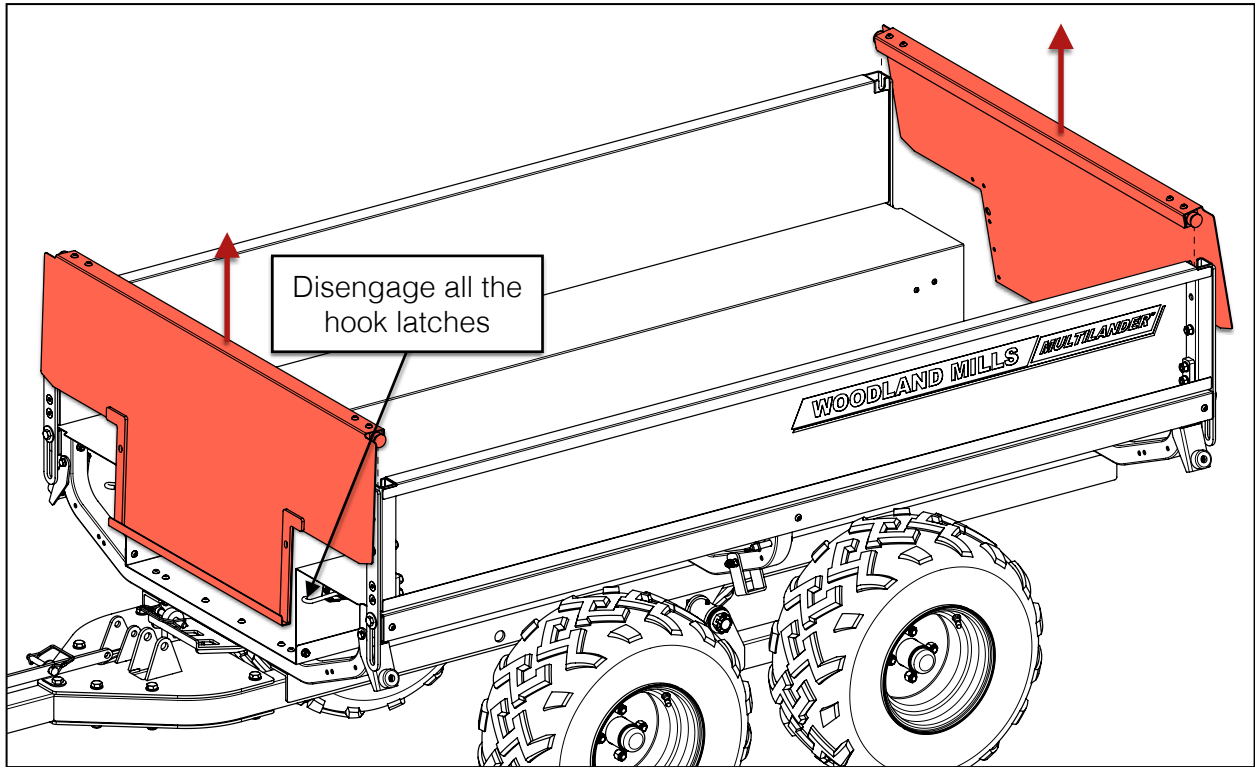
2. REMOVE THE BOOM.



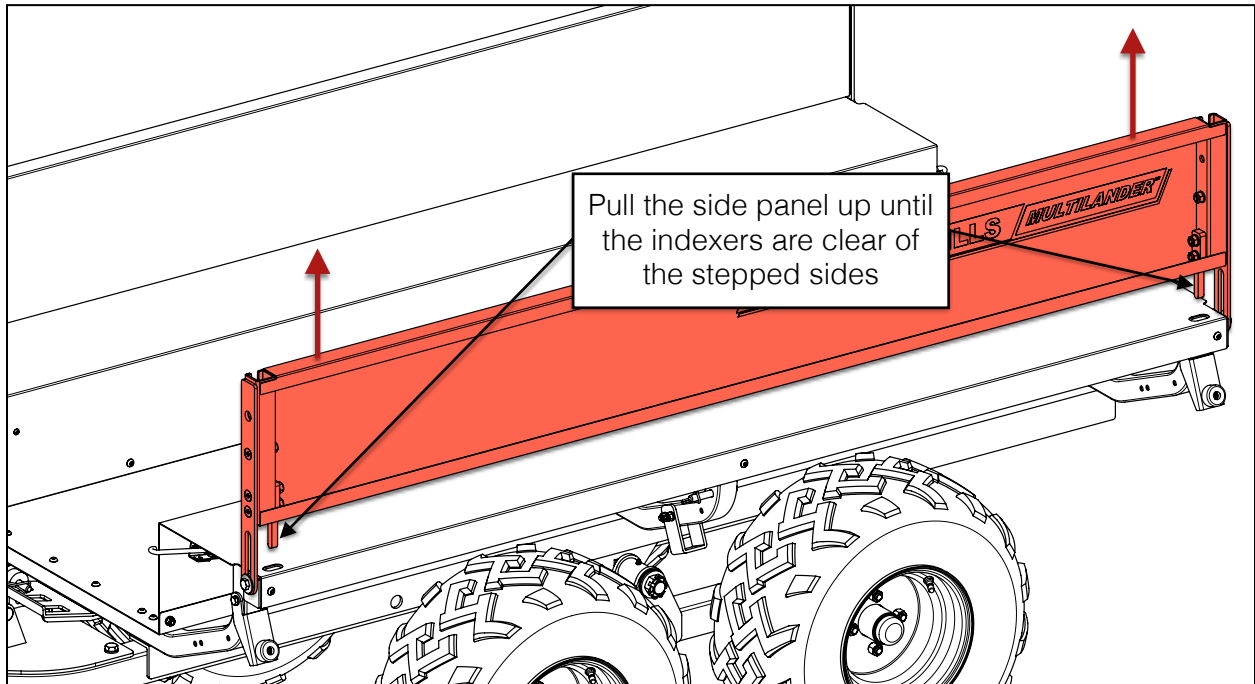
3. REMOVE THE PULLEY ASSEMBLY FROM THE BOOM.



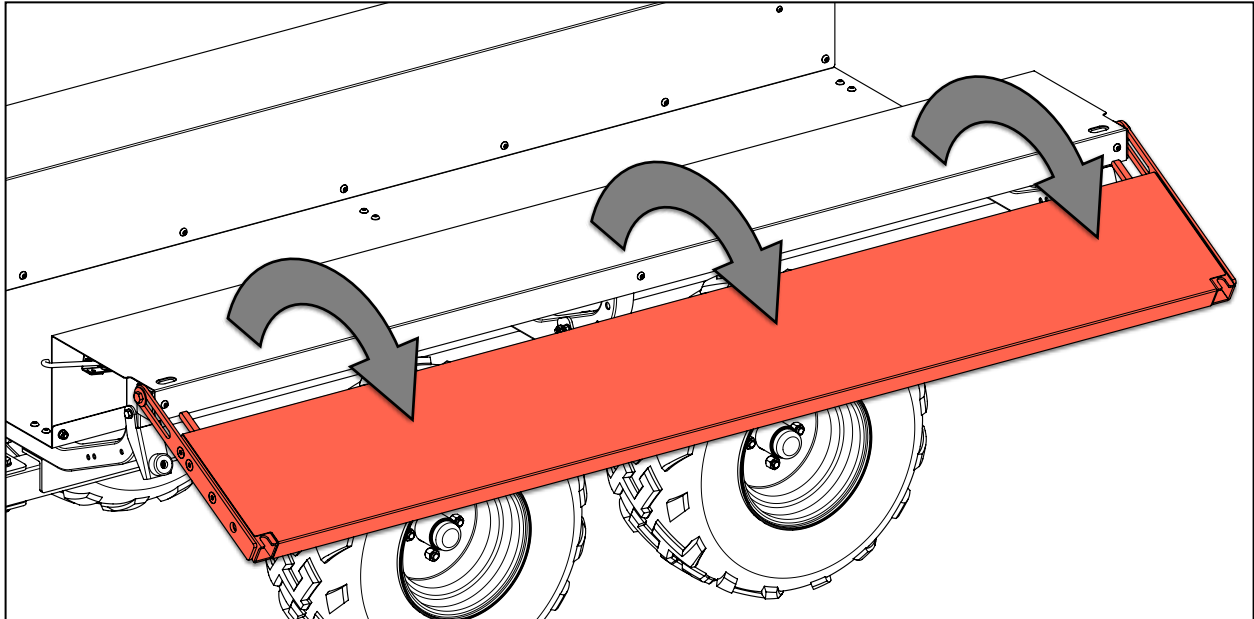
4. STORE THE PULLEY ASSEMBLY ON THE WINCH POST.



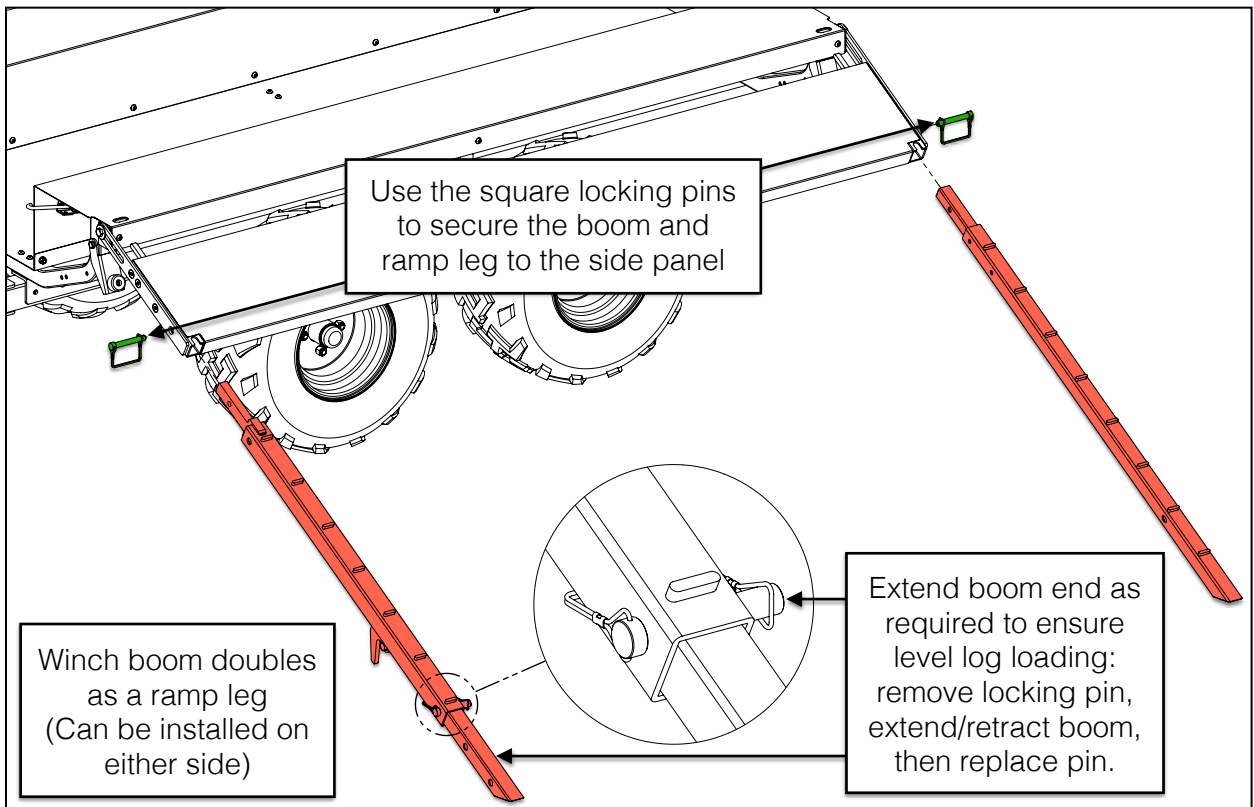
5. DISENGAGE ALL THE HOOK LATCHES AND REMOVE BOTH TAILGATES.



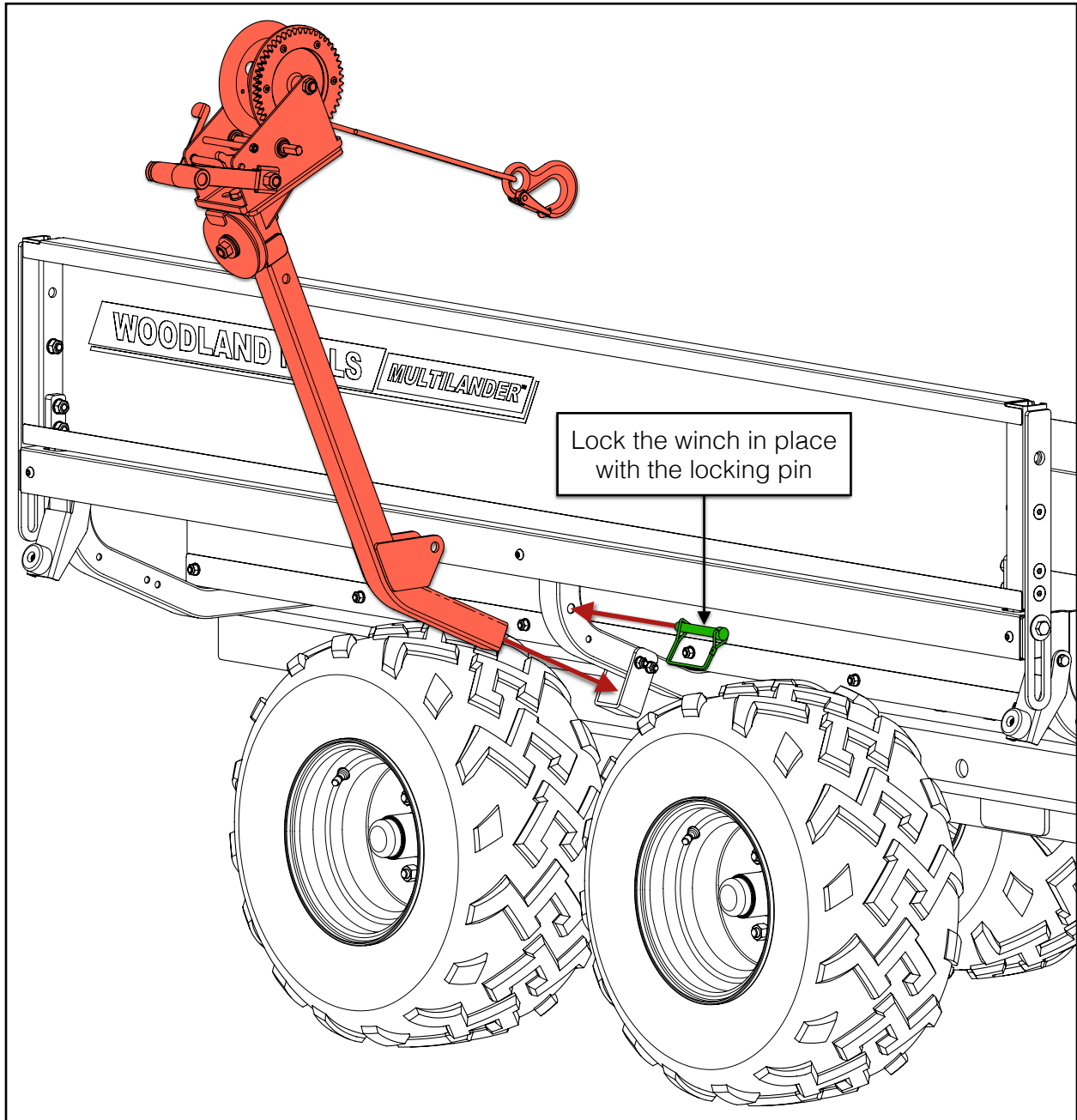
6. LIFT THE SIDE PANEL UP UNTIL THE INDEXERS ARE CLEAR OF THE STEPPED SIDES...



...THEN LOWER THE SIDE PANEL DOWN.



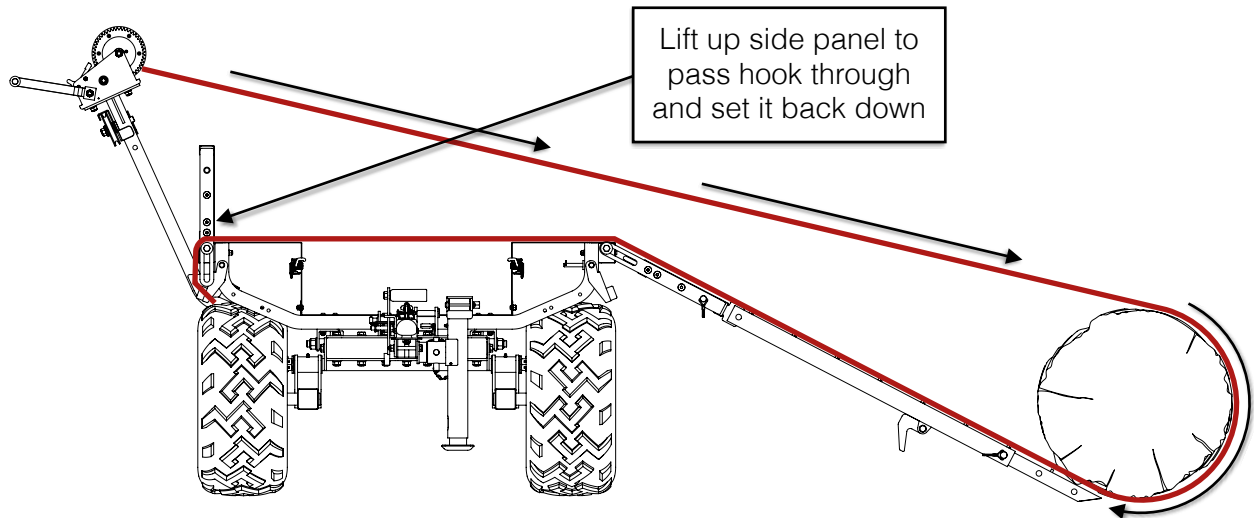
7. INSERT THE BOOM AND RAMP LEG INTO THE OPENINGS AT THE TOP OF EACH END OF THE SIDE PANEL AND SECURE THEM WITH THE SQUARE LOCKING PINS.



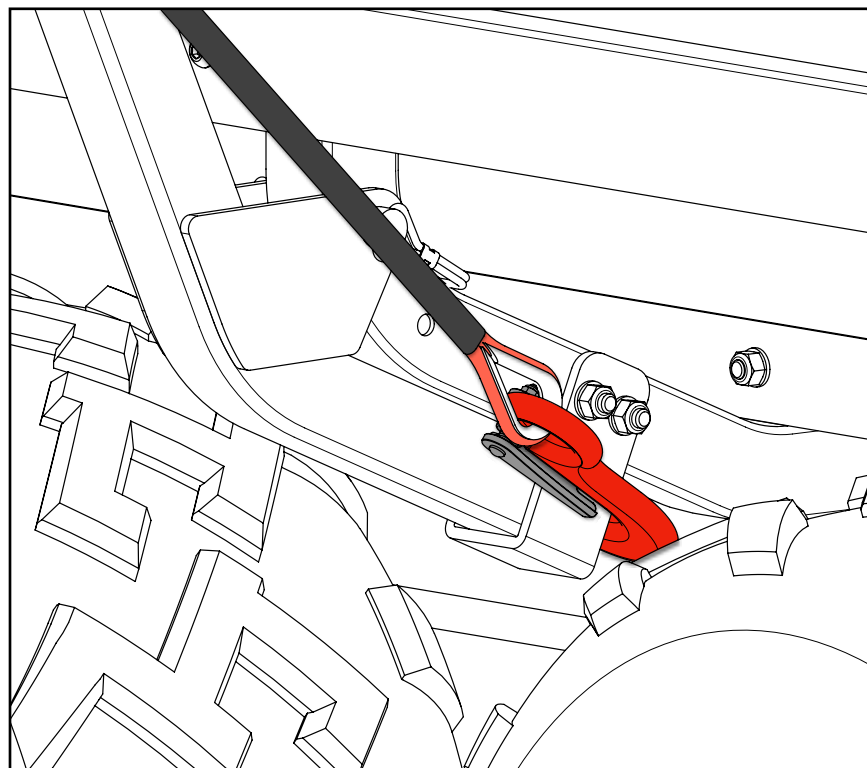
8. SLIDE THE WINCH POST ASSEMBLY INTO THE WINCH BRACKET BETWEEN THE TWO WHEELS AND LOCK IT IN PLACE WITH THE SQUARE LOCKING PIN.



It is important to route the cable rope around a log as follows so that the log is *rolled* up the ramps and not *dragged* up the ramps.



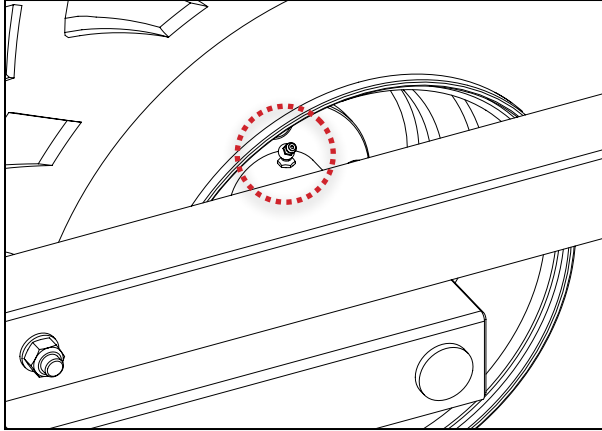
The rope must route over and around the log and back up *under* the vertical side panel (lift the side panel up high enough to pass the hook through and set it back down on the rope). Secure the hook to the inside of the end of the winch post around the winch bracket as shown.



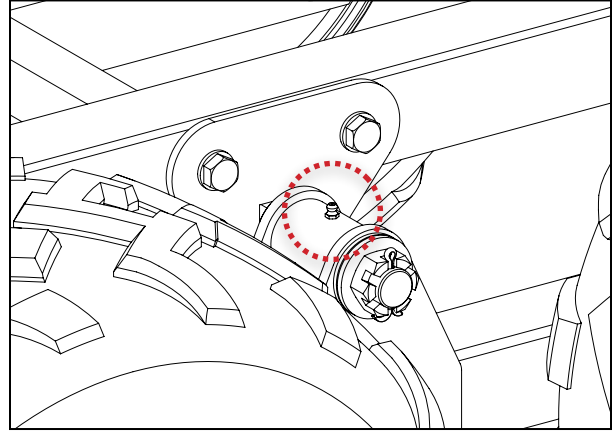
MAINTENANCE

GREASE POINTS

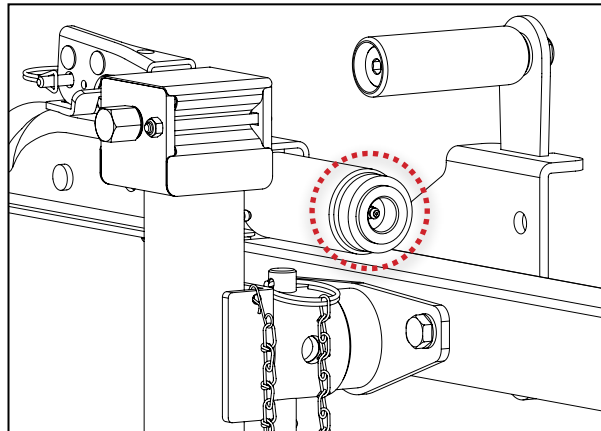
The Multilander has seven (7) Zerk fitting grease points: one (1) on each wheel hub (4 total), two (2) on the walking beam pivots, and one (1) on the rotating hitch. Check each grease point prior to use and add grease as necessary.



WHEEL HUBS (4 PLACES)



WALKING BEAM PIVOT (2 PLACES)

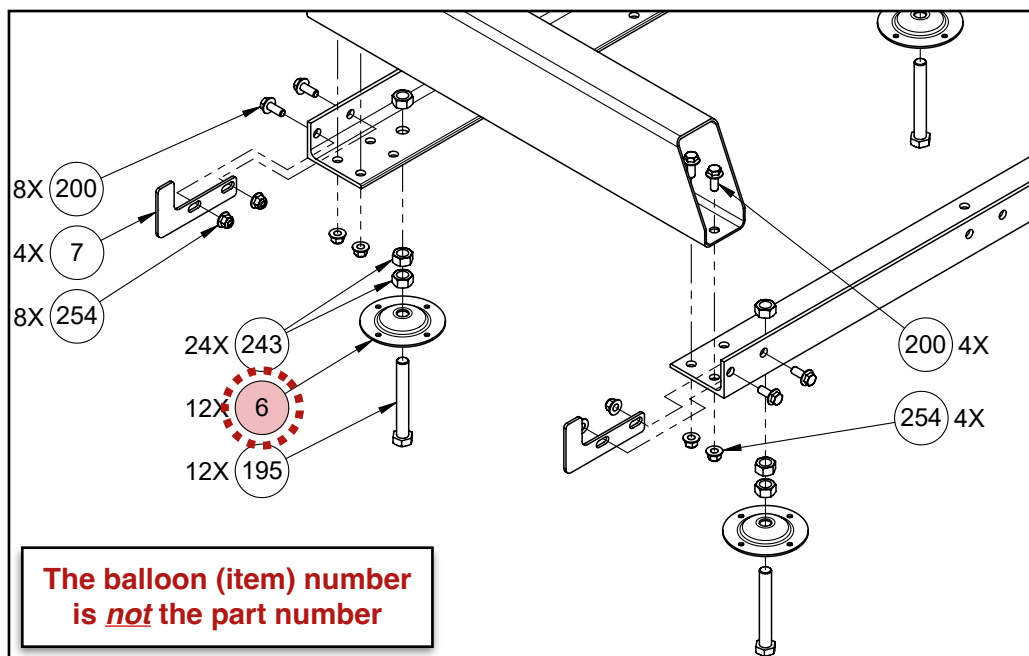


ROTATING HITCH



REPLACEMENT PARTS ORDERING

When ordering replacement parts, first locate the balloon number(s) from the appropriate **exploded assembly view** as shown in the example below:



Next, turn to the **Parts List** section and locate the balloon number in the “**Item**” column:

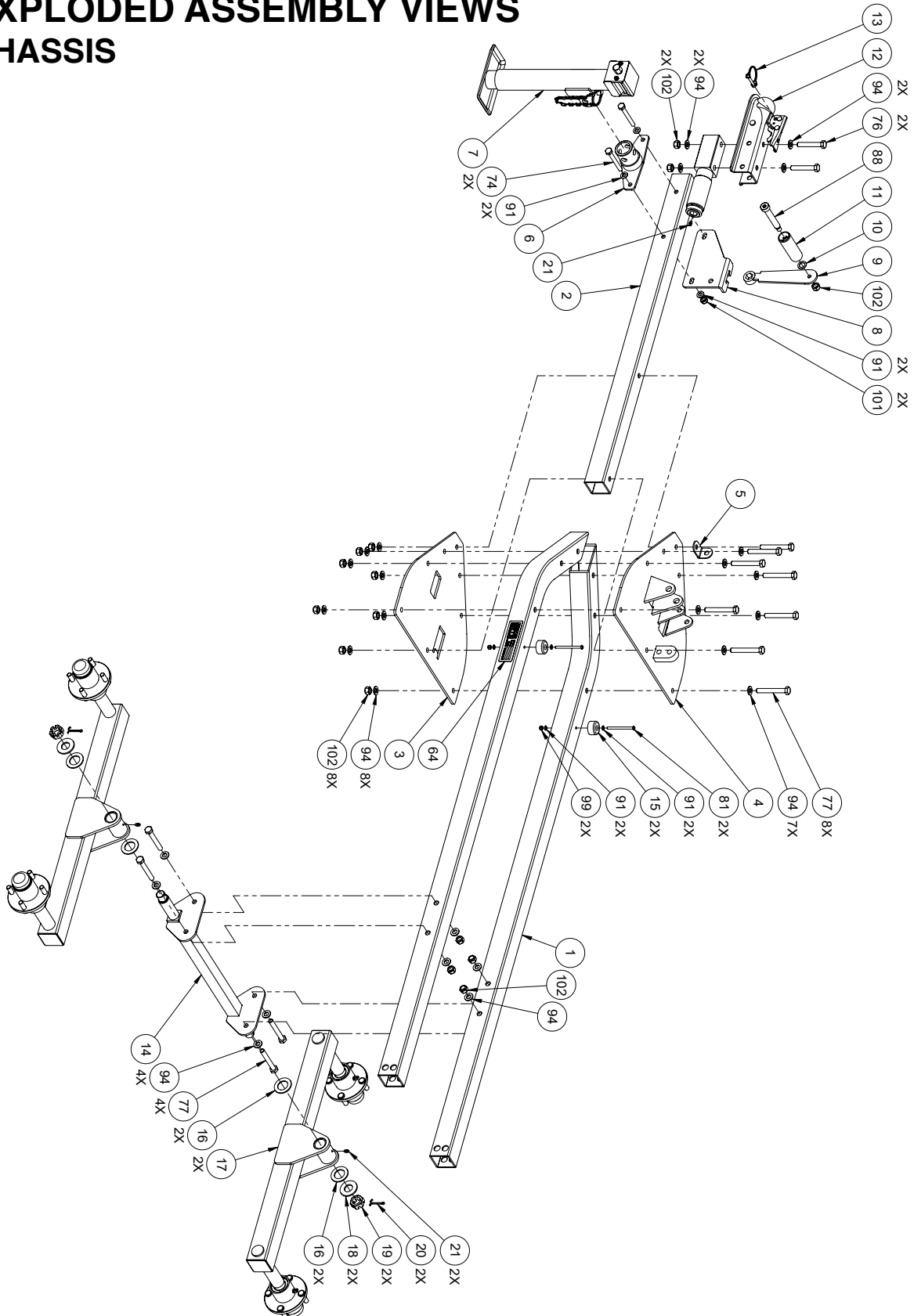
PARTS LIST				
Item	Quantity		Part No.	Description
	14 hp	9.5 hp		
1	4	4	0001073	TRACK RAIL, 58.5 mm TALL
2	2	2	0001075	LOG BUNK, END
3	2	2	0001080	LOG BUNK, MID
4	1	1	0001084	LOG BUNK, CENTER
5	2	2	0001072	REINFORCEMENT PLATE, 90 X 200 mm
6	12	12	0001071	LEVELLING FOOT BASE
7	4	4	0001055	CARRIAGE STOP
8	1	1	0001062	LOG CLAMP SHAFT AND BRACKET WELDMENT

Record the part number (e.g. *0001071*, *HHB-MBM080FCJ*, etc.) from the “**Part No.**” column.

Contact Woodland Mills through the website or via phone/email. If possible, include the invoice or sales number from the purchased product so an associated account can be located. If the account has multiple addresses on file, please indicate to which address the replacement part(s) will be shipped.

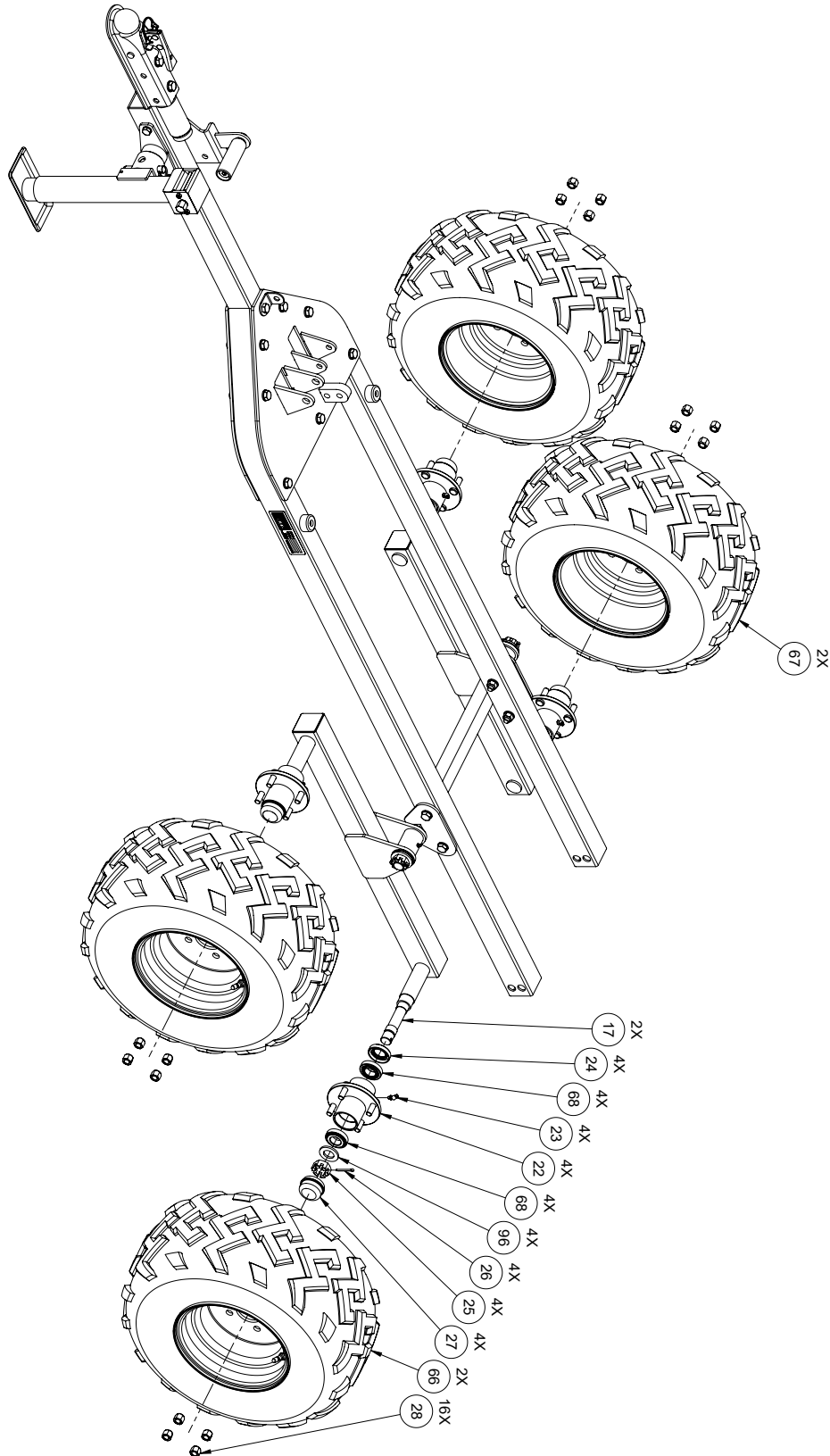


EXPLODED ASSEMBLY VIEWS CHASSIS



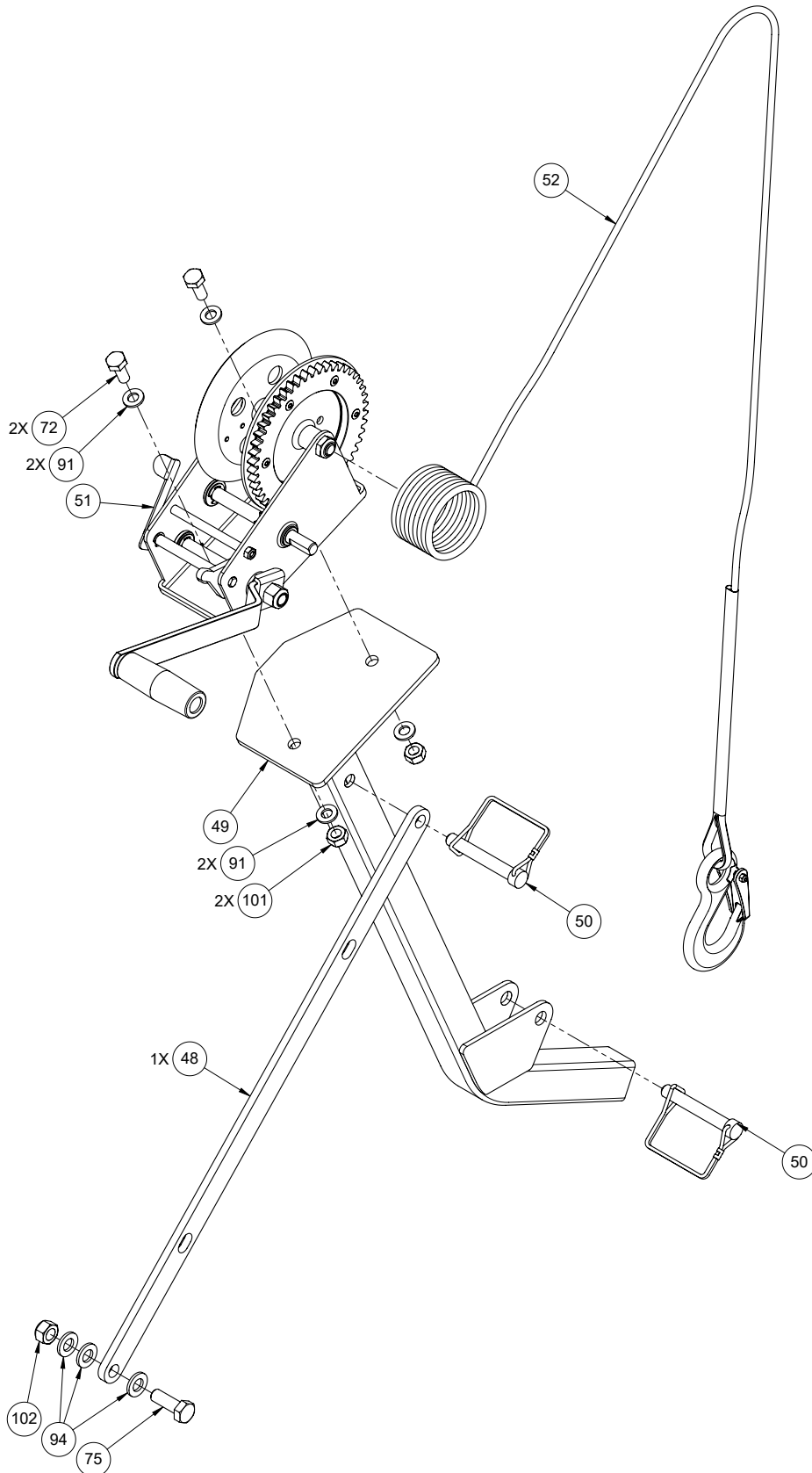


WHEELS



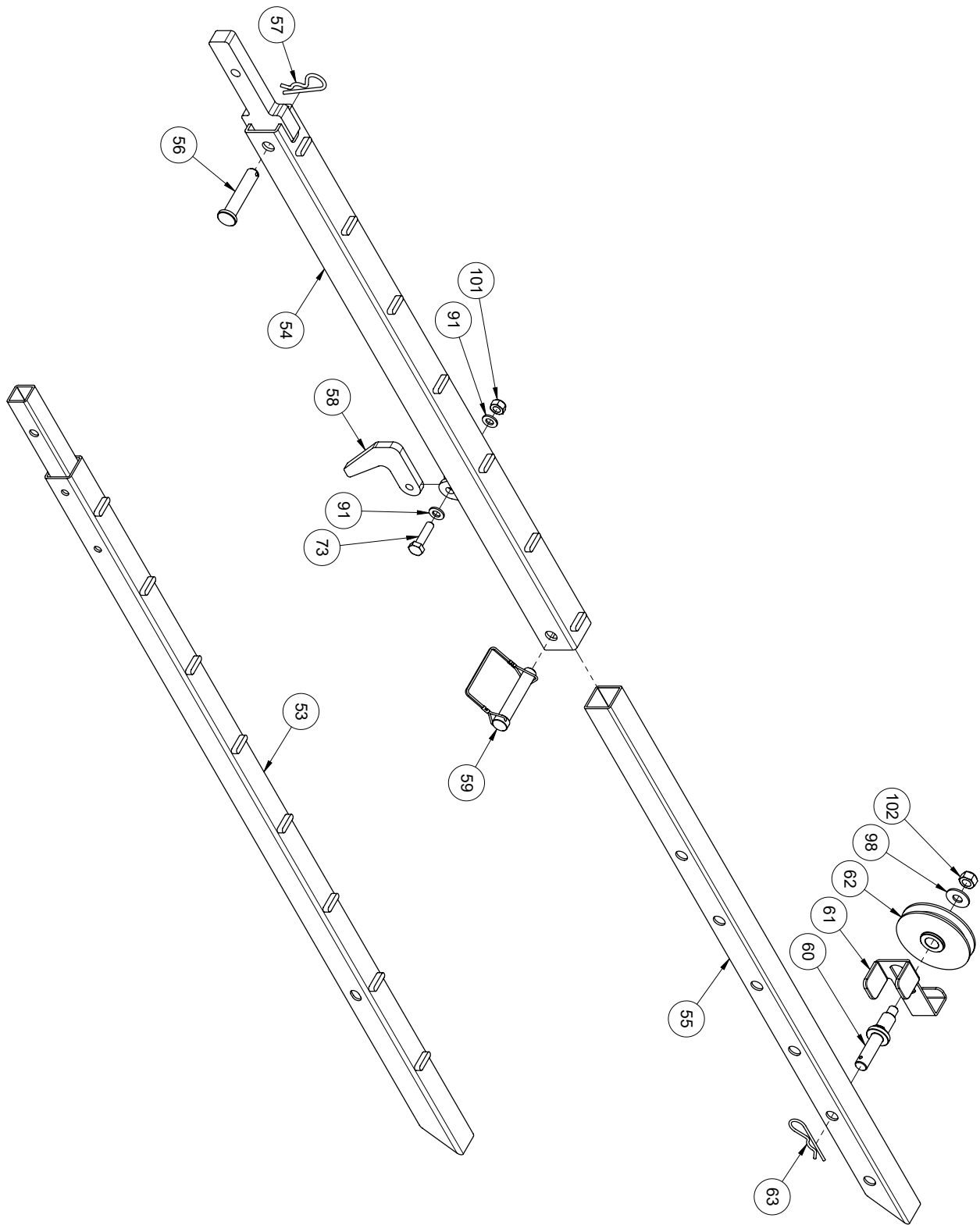


WINCH



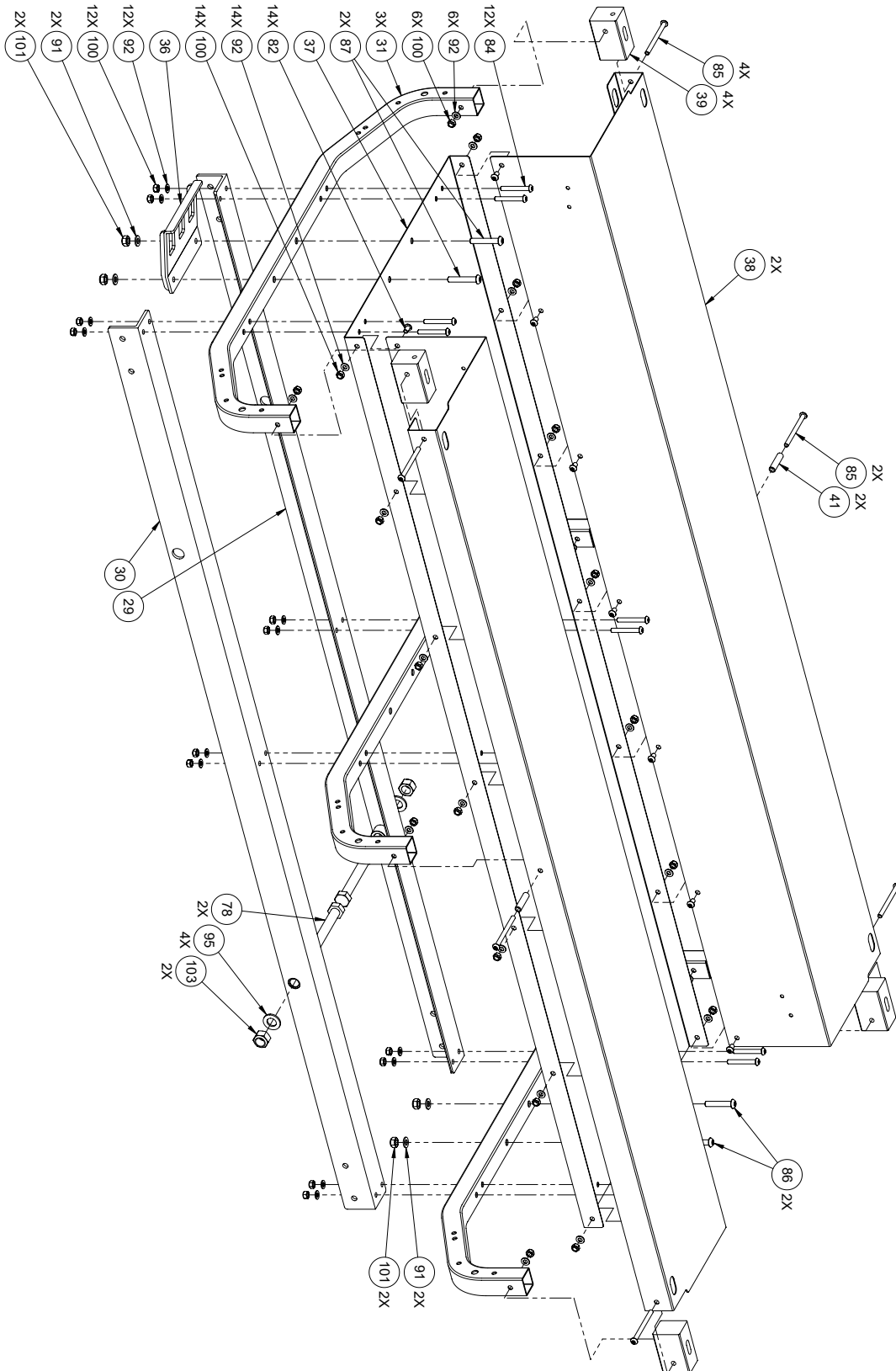


BOOM & RAMP LEG



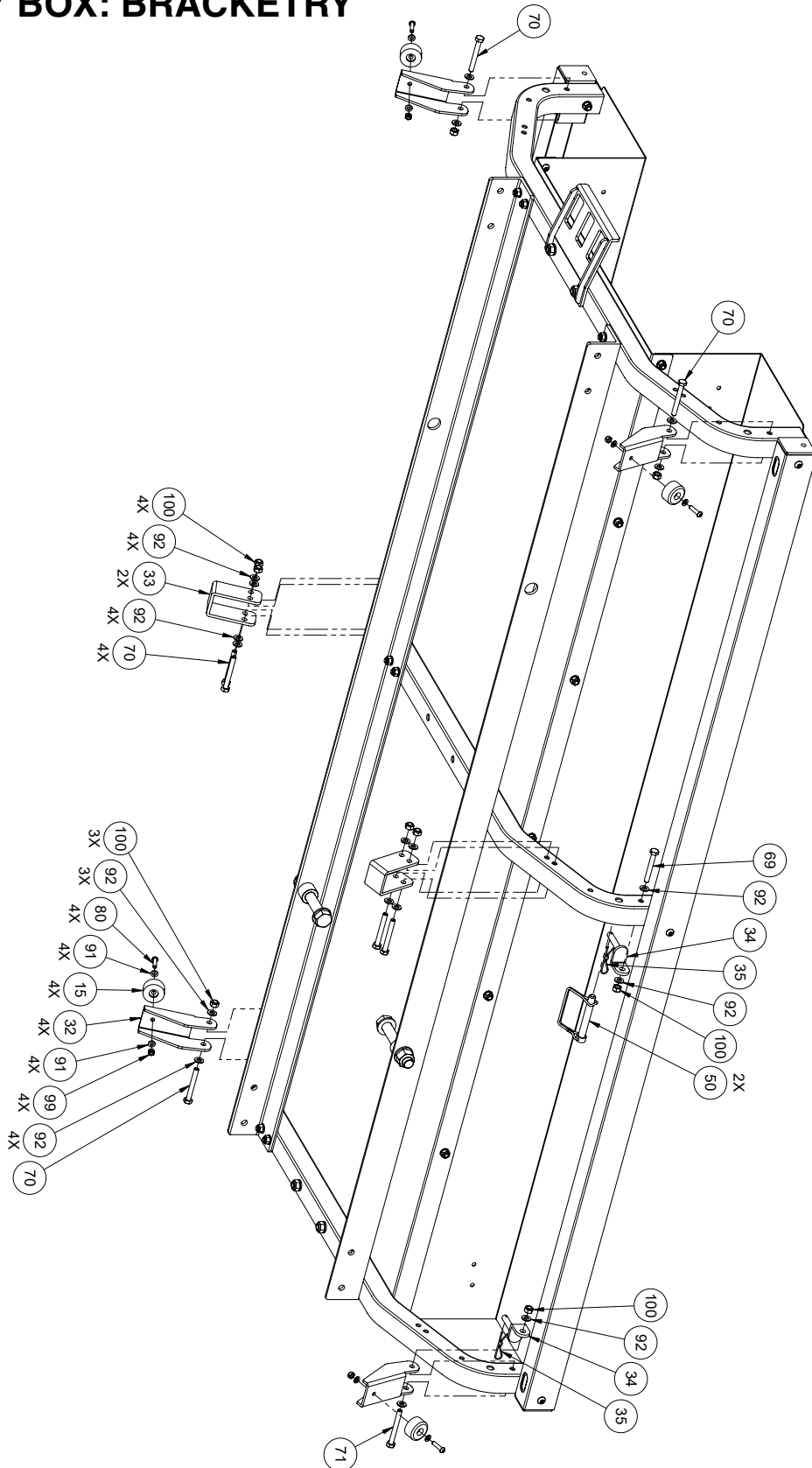


UTILITY BOX: BED



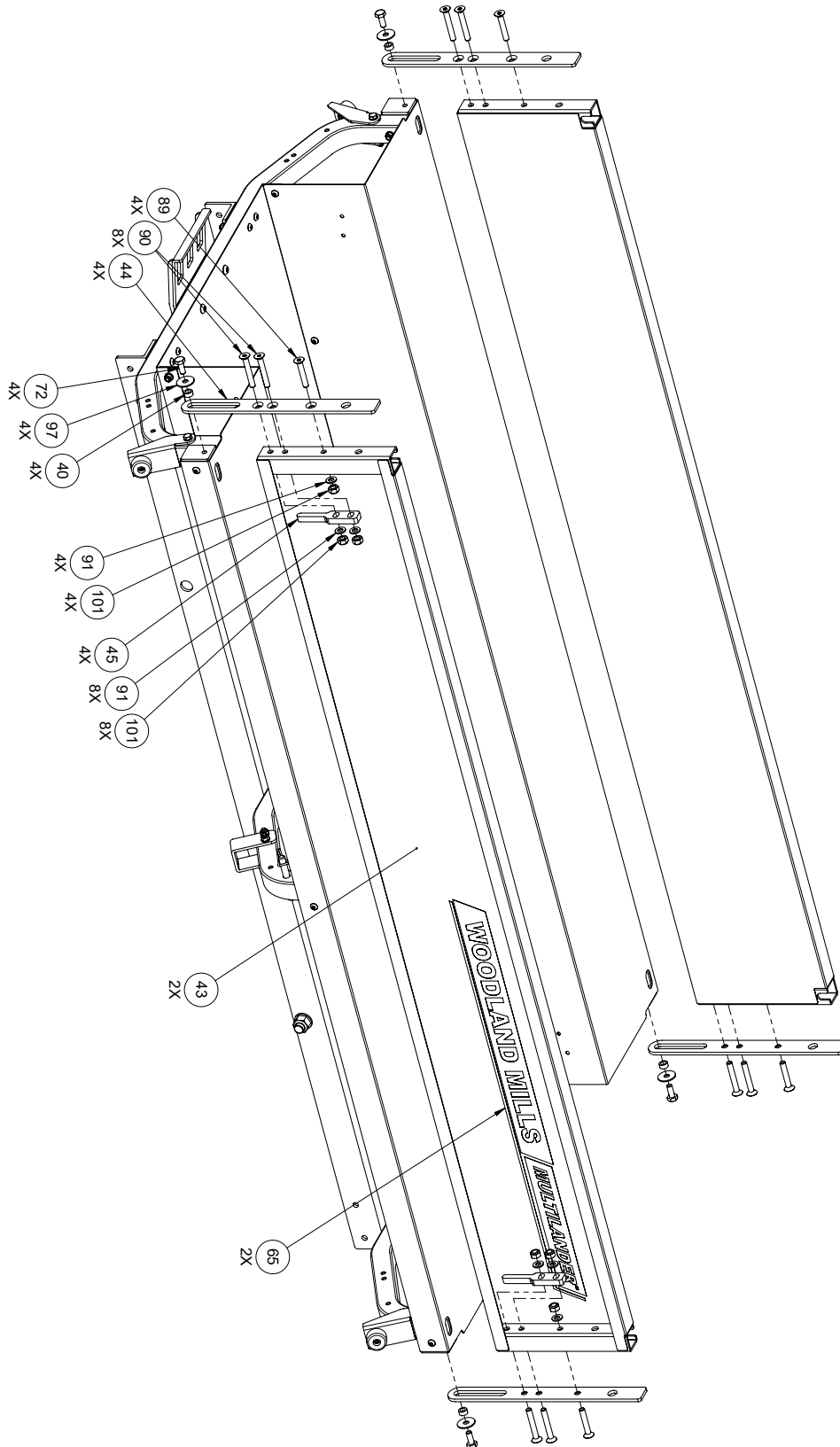


UTILITY BOX: BRACKETRY



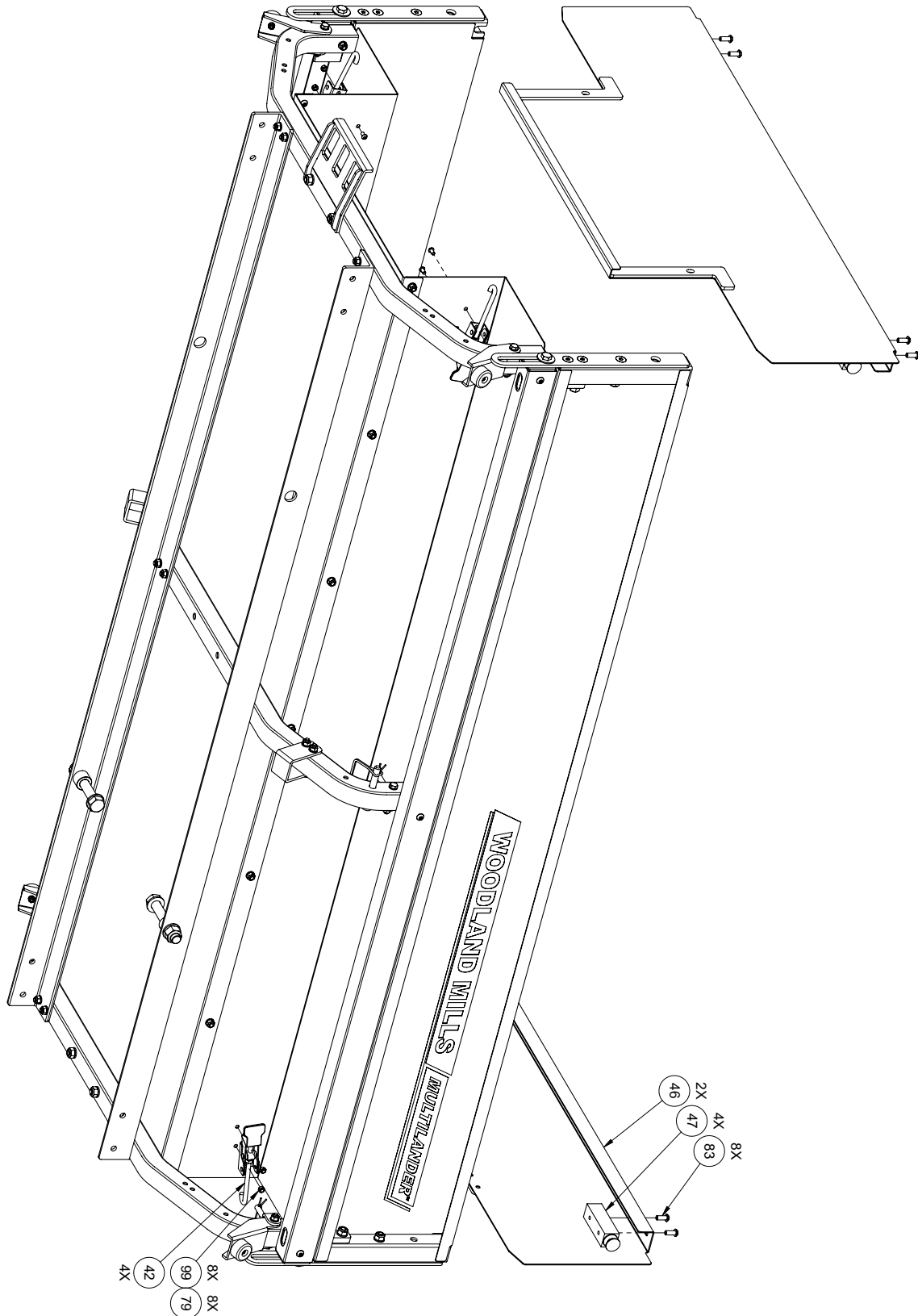


UTILITY BOX: SIDE PANELS





UTILITY BOX: TAILGATES





PARTS LIST

Item	Qty	Part No.	Description
1	2	0008131	CHASSIS SIDE RAIL
2	1	0008135	TONGUE
3	1	0008134	TONGUE PLATE, BOTTOM
4	1	0008132	TONGUE PLATE, TOP
5	1	0008316	BRACE STORAGE BRACKET
6	1	0002249	JACK MOUNT, BUSHLANDER
7	1	0006798	SWIVEL JACK, PIPE MOUNT, SIDEWIND SOCKET RECEIVER
8	1	0008314	SWIVEL JACK HANDLE MOUNT
9	1	0008322	SWIVEL JACK HANDLE
10	1	0004214	SPACER, 16.5 ID X 25 OD X 2 mm LG, NYLON
11	1	0004199	HANDLE, STRAIGHT, 35 mm DIA, 105 mm LG, M16 THRU
12	1	0001381	HITCH BALL COUPLER, 2 in [50.8 mm] BALL, NORTH AMERICA
13	1	0004728	LOCKING PIN, ROUND, 1/4 in DIA, 1-3/8 in USABLE LG, 2 in LG
14	1	0008159	AXLE CROSS BEAM
15	6	0008139	BUMPER, UNTHREADED, 1/4 in [6 mm], 1-1/2 in [38 mm] OD, 3/4 in [19 mm] THK
16	4	0004384	SPACER, 30.5 ID X 50 OD X 3 mm THK, NYLON
17	2	0005191	WALKING BEAM
18	2	0004274	SPACER, 24.5 ID X 50 OD X 4 mm THK
19	2	0006092	LOCK NUT, SLOTTED, M24 X 1.5, 16 mm THK
20	2	0004753	COTTER PIN, 5/32 in DIA, 1-1/2 in LG
21	3	0004707	GREASE FITTING, STRAIGHT, M6 X 1 TAPERED THD
22	4	0002283	WHEEL HUB, 4-BOLT, 4 in [101.6 mm] BC, M12 X 1.5 LUGS
23	4	0004909	GREASE FITTING, 45° ELBOW, M6 X 1 TAPERED THD
24	4	0004762	ROTARY SHAFT SEAL, SPRING-LOADED, WIPER LIP, 30 mm SHAFT, 50 mm OD
25	4	0006093	LOCK NUT, SLOTTED, M24 X 1.5, 18 mm THK
26	4	0004758	COTTER PIN, 4 mm DIA, 32 mm LG
27	4	0002285	WHEEL HUB DUST COVER, 4-BOLT, M12 LUGS
28	16	0006202	LUG NUT, M12 X 1.5
29	1	0008137	LOWER BEAM, RIGHT, UTILITY BOX
30	1	0008138	LOWER BEAM, LEFT, UTILITY BOX
31	3	0007156	SUPPORT RIB, UTILITY BOX
32	4	0008861	BUMPER BRACKET, UTILITY BOX
33	2	0008296	WINCH BRACKET, UTILITY BOX
34	2	0004322	RAMP STORAGE BRACKET, UTILITY BOX
35	2	0004759	COTTER PIN, HAIRPIN, 9-14 mm CLEVIS, 2 mm WIRE DIA
36	1	0008723	PICKUP, UTILITY BOX
37	1	0007124	BED PANEL, UTILITY BOX
38	2	0007126	STEPPED SIDE PANEL, UTILITY BOX
39	4	0008707	HINGE BLOCK, UTILITY BOX
40	4	0008711	SPACER, 10 ID X 16 OD X 8 mm LG
41	2	0008143	SPACER, 8 ID X 12 OD X 48 mm LG
42	4	0002338	HOOK LATCH, 8 mm HOOK
43	2	0008709	SIDE PANEL, UTILITY BOX
44	4	0008699	SIDE PANEL HINGE, UTILITY BOX
45	4	0008706	INDEXER, UTILITY BOX
46	2	0004386	TAILGATE, UTILITY BOX
47	4	0004193	TAILGATE PIN, UTILITY BOX
48	1	0008209	WINCH BRACE
49	1	0008196	WINCH POST
50	5	0004704	LOCKING PIN, SQUARE, 12 mm DIA, 70 mm USABLE LG, 85 mm LG
51	1	0001452	WINCH, 2500 lb



Item	Qty	Part No.	Description
52	1	0001532	SYNTHETIC ROPE W/ 7/8-8 WLL2T HOOK, 30 ft [9.1 m] LG
53	1	0004369	LOG LOADING RAMP LEG
54	1	0008869	LOG LOADING RAMP LEG/BOOM
55	1	0004202	LOG LOADING RAMP LEG/BOOM INSERT
56	1	0004321	CLEVIS PIN, 16 mm DIA, 74 mm USABLE LG, 80 mm LG
57	1	0004706	COTTER PIN, HAIRPIN, 16-20 mm CLEVIS, 4 mm WIRE DIA
58	1	0004325	UTILITY BOX HOOK
59	1	0008730	LOCKING PIN, SQUARE, 16 mm DIA, 75 mm USABLE LG, 85 mm LG
60	1	0004219	BOOM PULLEY PIN
61	1	0004207	ROPE RETAINER
62	1	0004210	ROPE PULLEY, 100 mm OD, 76 mm GROOVE, 18 mm SHAFT
63	1	0004760	COTTER PIN, HAIRPIN, 10-16 mm CLEVIS, 3 mm WIRE DIA
64	1	0008321	SERIAL NUMBER LABEL, TRAILERS, WIDE
65	2	0008921	LABEL, UTILITY BOX
66	2	22X11-10L	WHEEL, 22X11-10, LEFT-HAND
67	2	22X11-10R	WHEEL, 22X11-10, RIGHT-HAND
68	8	L44643	ROLLER BEARING, TAPERED, 1 in SFT, 1.98 in HSG, 0.58 in WD
69	1	HHB-MBJ115PCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 60 mm LG, 22 mm LG THD
70	7	HHB-MBJ120PCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 65 mm LG, 22 mm LG THD
71	1	HHB-MBJ125PCJ	HEX HEAD BOLT, CLS 8.8, M8 X 1.25, 70 mm LG, 22 mm LG THD
72	6	HHB-MBM080FCJ	HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 25 mm LG, FULL
73	1	HHB-MBM095FCJ	HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 40 mm LG, FULL
74	2	HHB-MBM145PCJ	HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 90 mm LG, 26 mm LG THD
75	1	HHB-MBR090FCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 35 mm LG, FULL
76	2	HHB-MBR130PCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 75 mm LG, 30 mm LG THD
77	12	HHB-MBR145PCJ	HEX HEAD BOLT, CLS 8.8, M12 X 1.75, 90 mm LG, 30 mm LG THD
78	2	HHB-MCC175PCJ	HEX HEAD BOLT, CLS 8.8, M18 X 2.5, 120 mm LG, 42 mm LG THD
79	8	BHS-MBE063FCM	BUTTON HEAD SCREW, CLS 10.,9, M6 X 1, 12 mm LG, FULL
80	4	BHS-MBE080FCM	BUTTON HEAD SCREW, CLS 10.9, M6 X 1, 25 mm LG, FULL
81	2	BHS-MBE135FCM	BUTTON HEAD SCREW, CLS 10.9, M6 X 1, 80 mm LG, FULL
82	14	BHS-MBJ067FCM	BUTTON HEAD SCREW, CLS 10.9, M8 X 1.25, 14 mm LG, FULL
83	8	BHS-MBJ075FCM	BUTTON HEAD SCREW, CLS 10.9, M8 X 1.25, 20 mm LG, FULL
84	12	BHS-MBJ115FCM	BUTTON HEAD SCREW, CLS 10.9, M8 X 1.25, 60 mm LG, FULL
85	6	BHS-MBJ155FCM	BUTTON HEAD SCREW, CLS 10.9, M8 X 1.25, 100 mm LG, FULL
86	2	BHS-MBM110PCM	BUTTON HEAD SCREW, CLS 10.9, M10 X 1.5, 55 mm LG, 32 mm LG THD
87	2	BHS-MBM115PCM	BUTTON HEAD SCREW, CLS 10.9, M10 X 1.5, 60 mm LG, 32 mm LG THD
88	1	SHS-MBR063145CP	SHLDR SCREW, SH, CLS 12.9, 16 X 90 mm LG SHLDR, M12 X 1.75 X 18 mm LG THD
89	4	HFH-MBM115PCM	SCREW, HFH, CLS 10.9, M10 X 1.5, 60 mm LG, 26 mm LG THD
90	8	HFH-MBM125FCM	SCREW, HFH, CLS 10.9, M10 X 1.5, 70 mm LG, FULL
91	12	FTW-MBE000AJ	FLAT WASHER, M6
92	50	FTW-MBJ000AJ	FLAT WASHER, M8
91	26	FTW-MBM000AJ	FLAT WASHER, M10
94	30	FTW-MBR000AJ	FLAT WASHER, M12
95	4	FTW-MCC000AJ	FLAT WASHER, M18
96	4	FTW-MCM000AJ	FLAT WASHER, M24
97	4	FDW-MBM083000AJ	FENDER WASHER, M10, 34 mm OD
98	1	FDW-MBR080000AJ	FENDER WASHER, M12, 31 mm OD
99	14	HLN-MBECH	LOCK NUT, CLS 8, M6 X 1
100	41	HLN-MBJCH	LOCK NUT, CLS 8, M8 X 1.25
101	21	HLN-MBMCH	LOCK NUT, CLS 8, M10 X 1.5
102	17	HLN-MBRCH	LOCK NUT, CLS 8, M12 X 1.75
103	2	HLN-MCCCH	LOCK NUT, CLS 8, M18 X 2.5

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