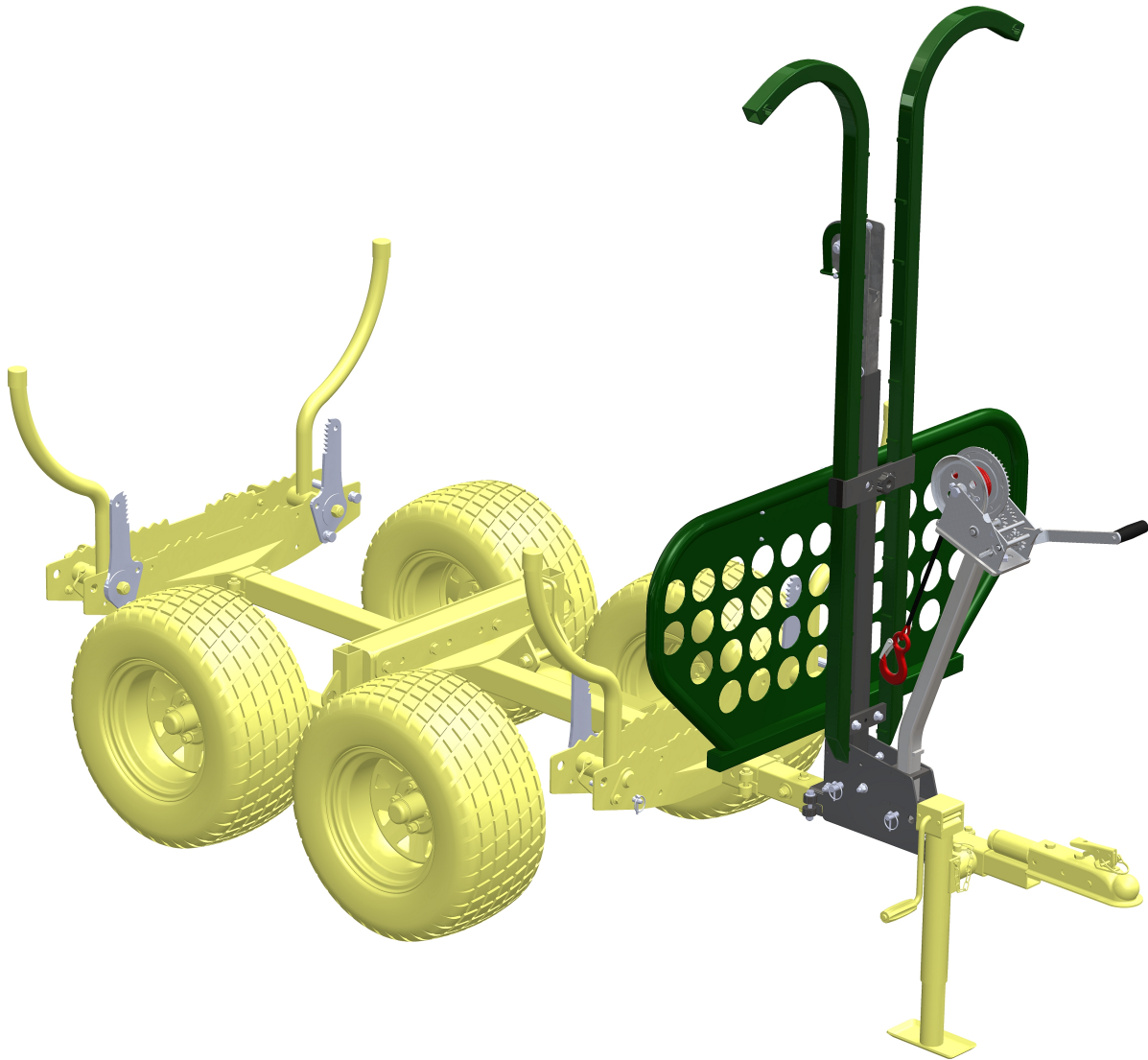


# MULTILANDER™ ACCESSORY



## PRO LOGGING OPERATOR'S MANUAL



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## CONFIGURATIONS & ACCESSORIES

The Multilander Logging Trailer is available in five (5) configurations shown below. Each configuration can be further customized with additional accessories such as a cant hook mount, a ball mount hitch kit, and a universal mounting kit. Contact Woodland Mills or visit [our website](#) for information and pricing.



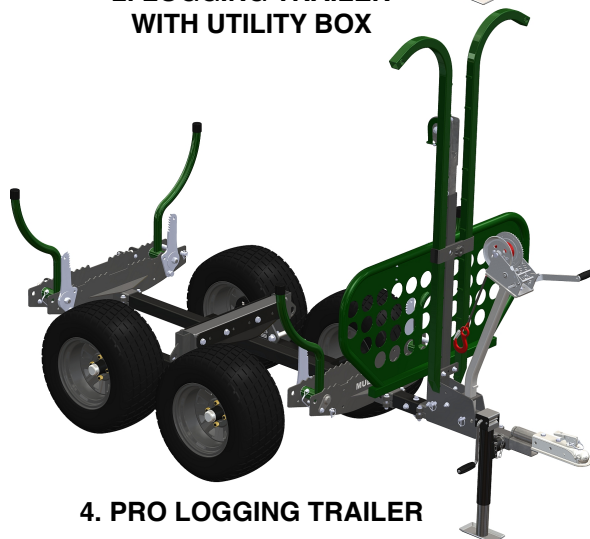
1. LOGGING TRAILER



2. LOGGING TRAILER  
WITH UTILITY BOX



3. LOGGING TRAILER  
WITH UTILITY DUMP BOX



4. PRO LOGGING TRAILER



5. PRO LOGGING TRAILER  
WITH UTILITY DUMP BOX





## TECHNICAL SPECIFICATIONS

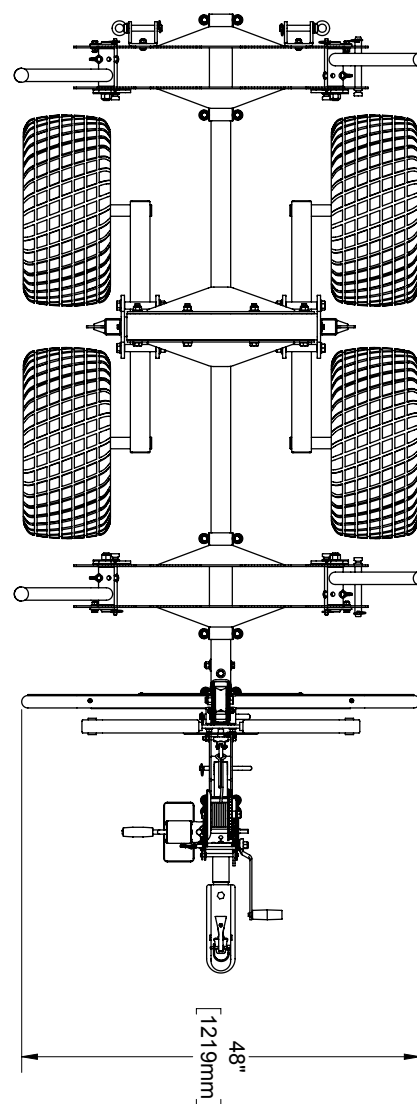
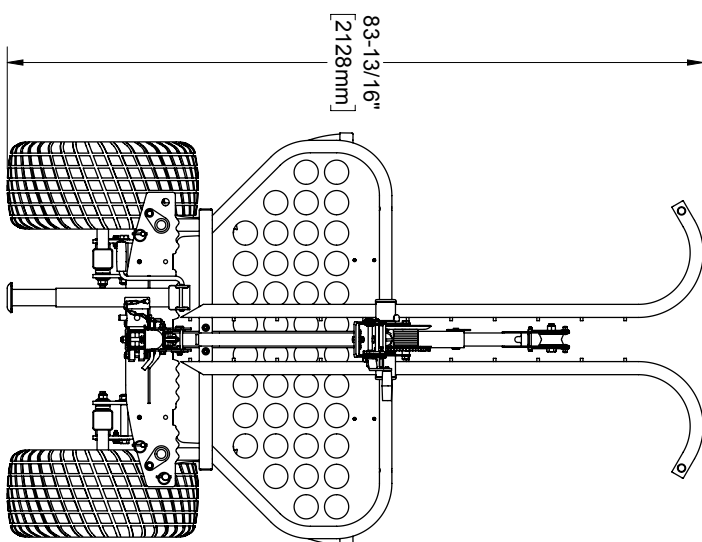
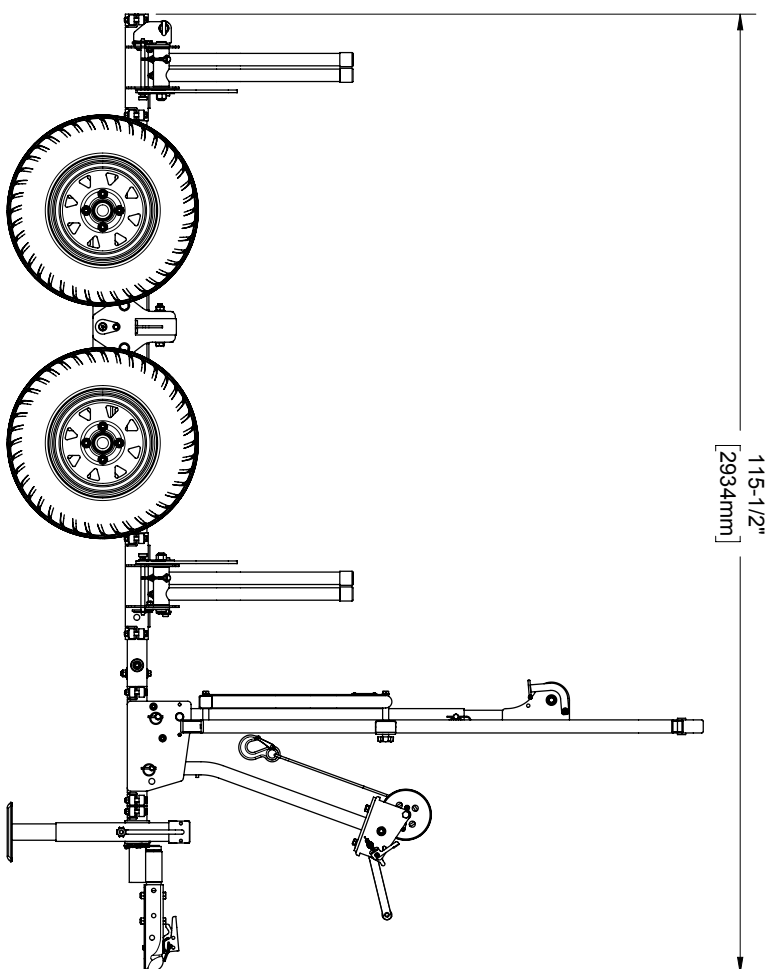
| Item                  | Specification                                                       |
|-----------------------|---------------------------------------------------------------------|
| Construction/Finish   | Powder-Coated/Galvanized Tube & Plate Steel                         |
| Hauling Capacity      | 2000 lb [907 kg]                                                    |
| Winching Capacity     | 2500 lb [1134 kg]                                                   |
| Winch Rope Type       | Synthetic                                                           |
| Winch Rope Diameter   | 3/8 in [9.5 mm]                                                     |
| Winch Rope Length     | 30 ft [9.1 m]                                                       |
| Boom Extension        | 23-5/8 in [600 mm] Total Adjustment in 5-7/8 in [150 mm] Increments |
| Log Loading Ramp      | Installed (Horiz): 59-1/2 in [1511 mm] / Leg: 63 in [1600 mm]       |
| Overall Length        | 115-1/2 in [2934 mm] MIN / 151-1/2 in [3848 mm] MAX                 |
| Overall Width         | 48 in [1219 mm] MIN / 111 in [2819 mm] MAX                          |
| Overall Height @ Boom | 67-3/4 in [1721 mm] MIN / 91-1/4 in [2318 mm] MAX                   |
| Assembled Weight      | 614 lb [278 kg] with Trailer                                        |
| Included Accessories  | Telescoping Boom Kit, Winch Kit, Pro Logging Kit                    |

## BOLT TORQUE SPECIFICATIONS

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



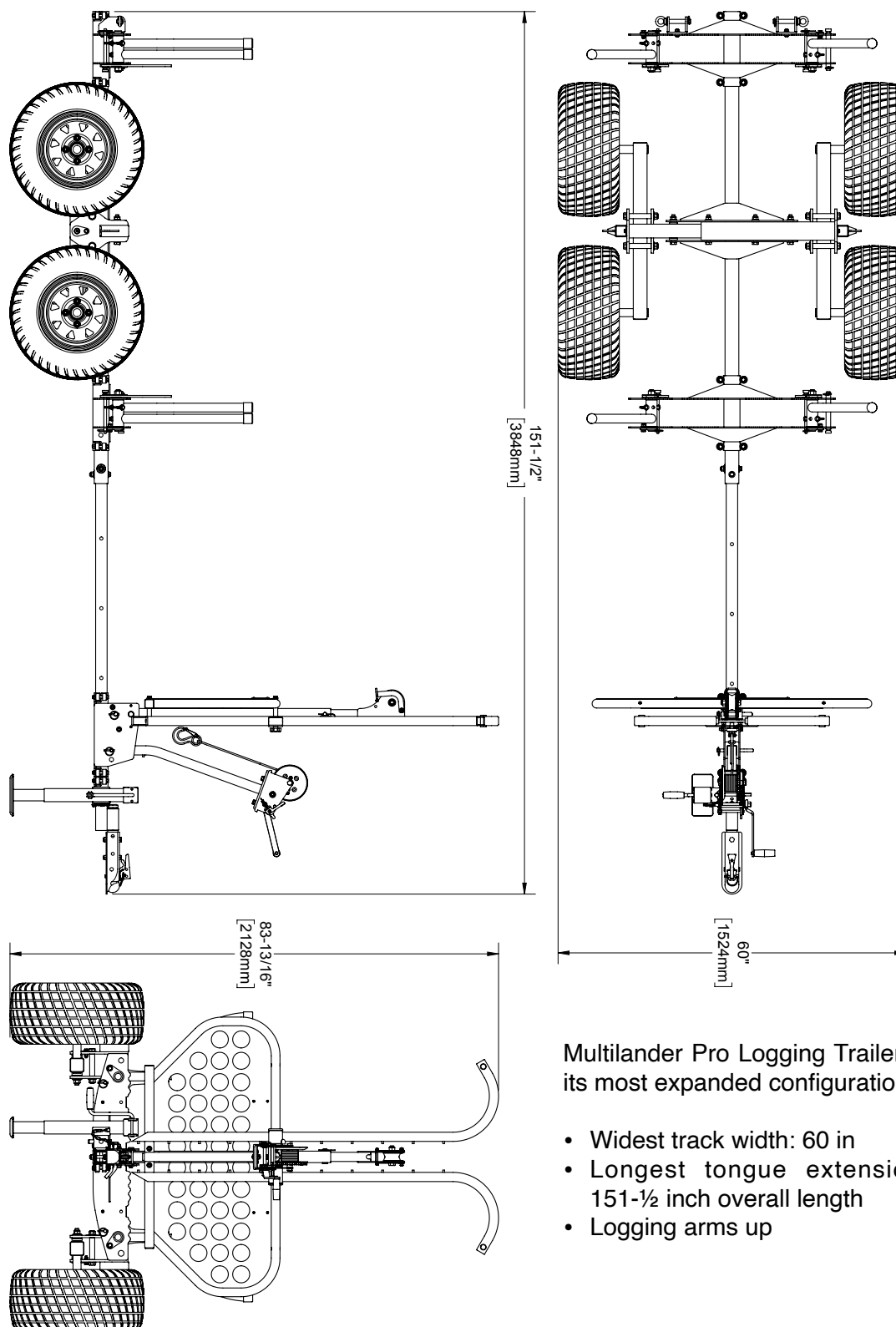
## OVERALL DIMENSIONS—MIN



Multilander Pro Logging Trailer in its most compact configuration:

- Narrowest track width (48 in)
- Shortest tongue extension (115-½ inch overall length)

## OVERALL DIMENSIONS—MAX



Multilander Pro Logging Trailer in its most expanded configuration:

- Widest track width: 60 in
- Longest tongue extension: 151-1/2 inch overall length
- Logging arms up

## PRO LOGGING ASSEMBLY

### 1. TOOLS REQUIRED

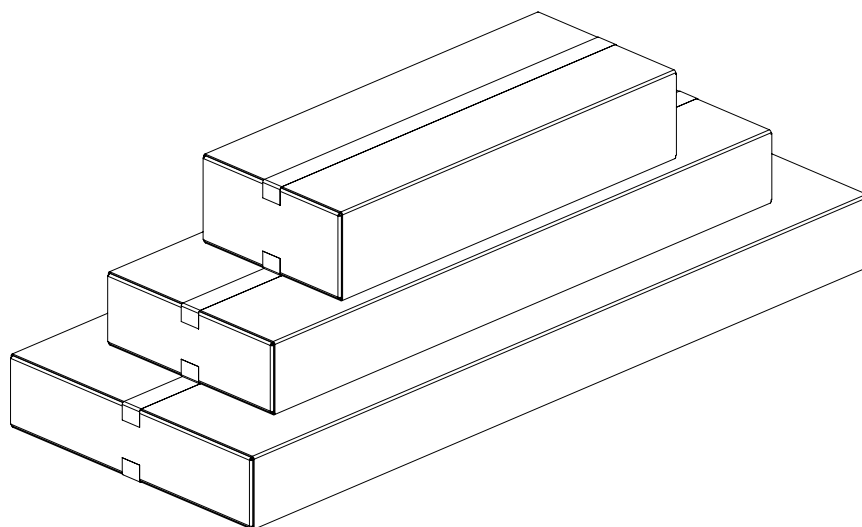
| Tool              | Specification                         |
|-------------------|---------------------------------------|
| Wrench/Socket     | 8 mm                                  |
| Wrench/Socket     | 9 mm                                  |
| Wrench/Socket     | 10 mm                         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



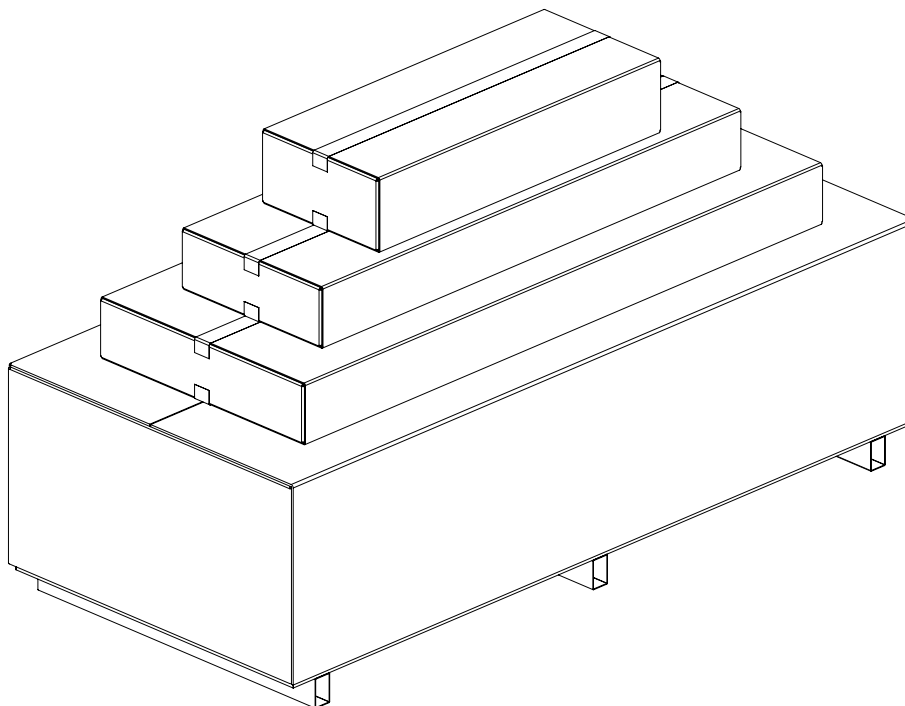


## 2. SHIPPING & UNPACKING

When purchased on its own, the Multilander Pro Logging Kit ships in three (3) separate boxes (Pro Logging Kit, Telescoping Boom, and Winch) as shown below.

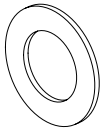
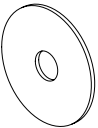
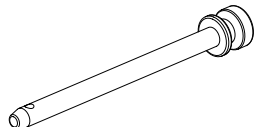
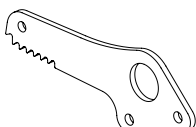
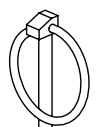


When purchased as the Multilander Pro Logging Trailer configuration, the three (3) boxes ship stacked with the Multilander Logging Trailer as shown below.

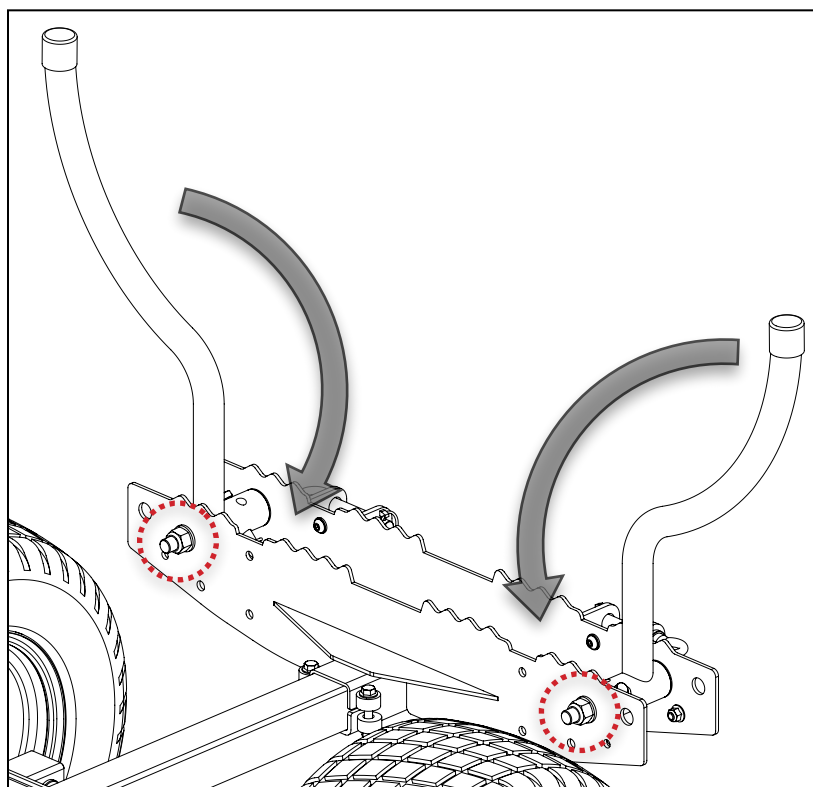


### 3. LOG SUPPORTS

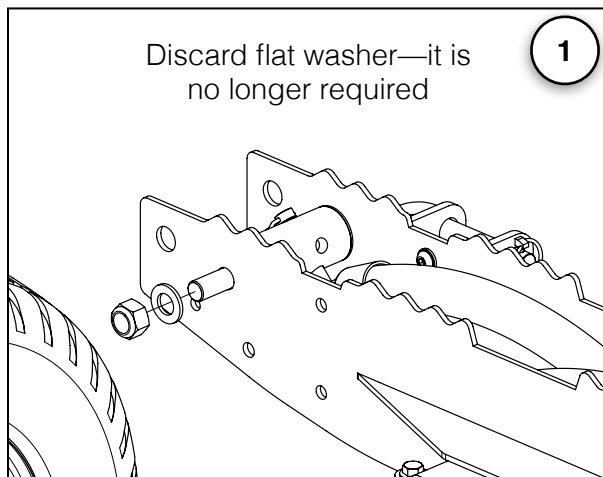
Using the components listed in the table below, assemble the four (4) log supports—two (2) per log rack—to the inside faces of the log racks on the trailer.

|    |                          |                                                                                   |    |                          |                                                                                     |
|----|--------------------------|-----------------------------------------------------------------------------------|----|--------------------------|-------------------------------------------------------------------------------------|
| 4x | Log Support Inner Spacer |  | 4x | Log Support Outer Spacer |  |
| 4x | Log Support Bushing      |  | 4x | Log Support Locking Pin  |  |
| 4x | Log Support              |  | 4x | Linch Pin                |  |

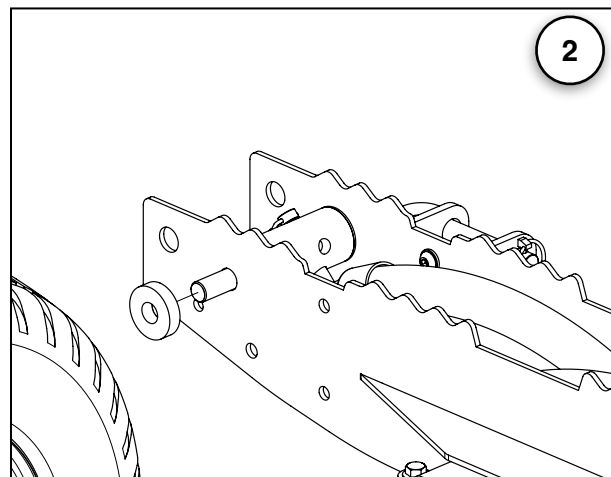
Rotate the four (4) green logging arms down into the stowed position if they are not already. The M18 lock nuts and flat washers on each logging arm swivel pin (4 places) will need to be removed first.



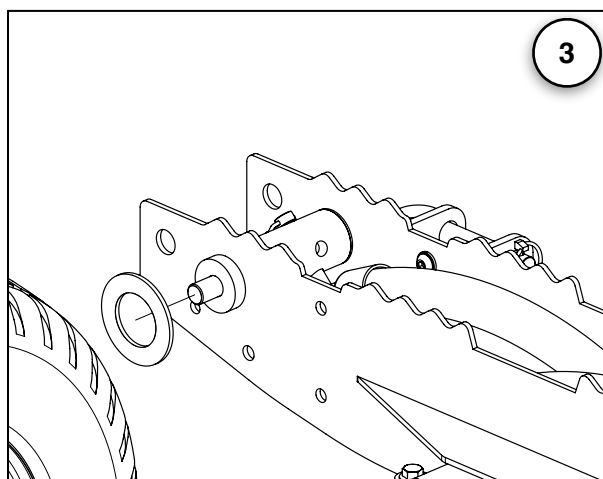




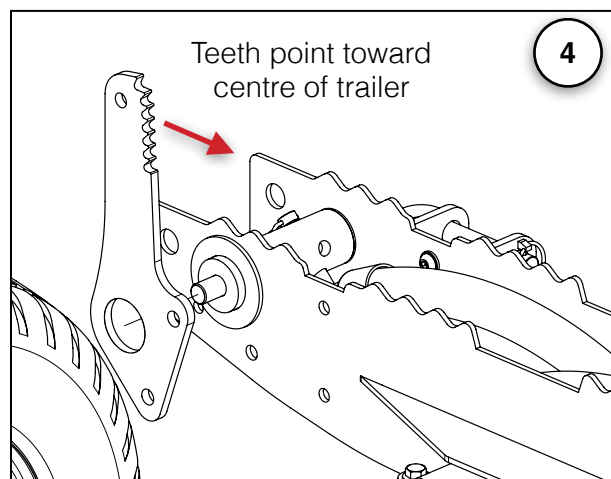
**REMOVE M18 LOCK NUT & WASHER**



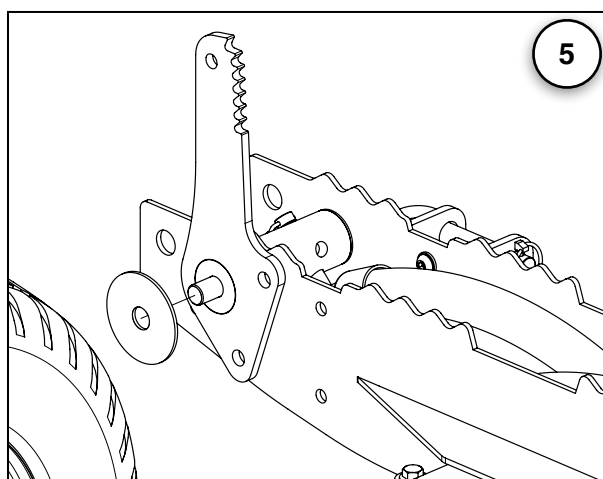
**INSTALL BUSHING**



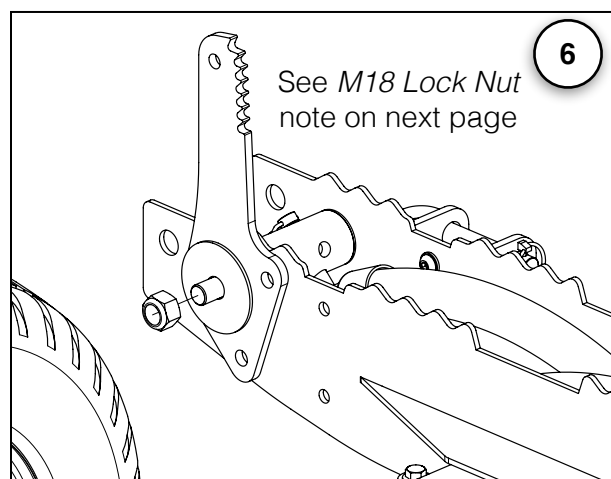
**INSTALL INNER SPACER**



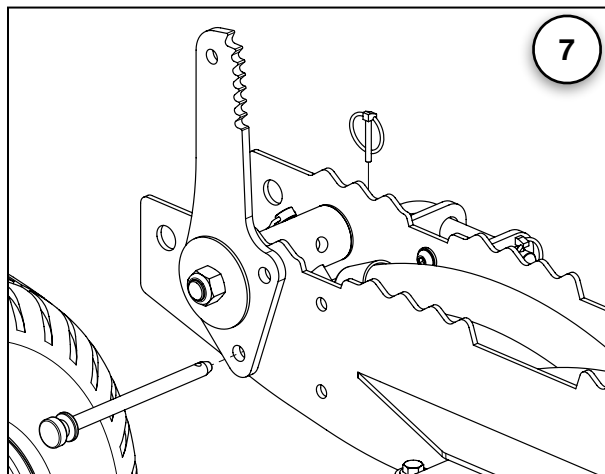
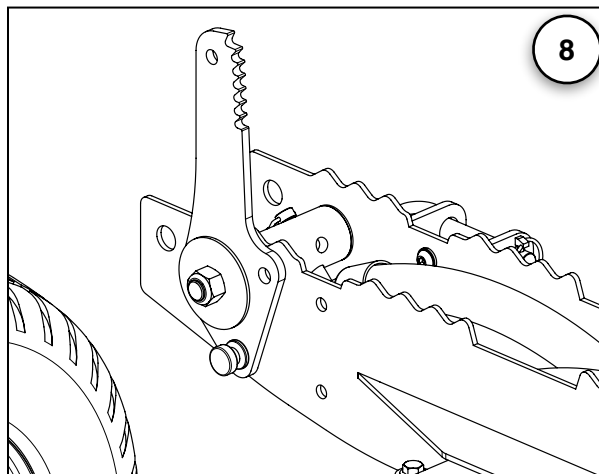
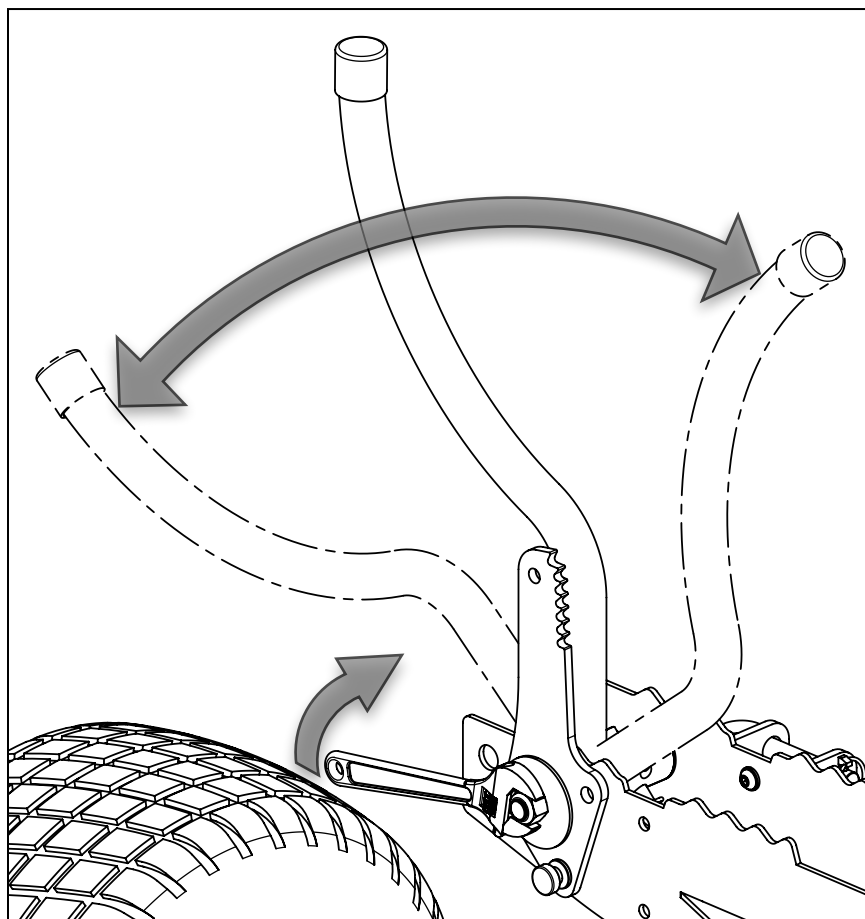
**INSTALL LOG SUPPORT**



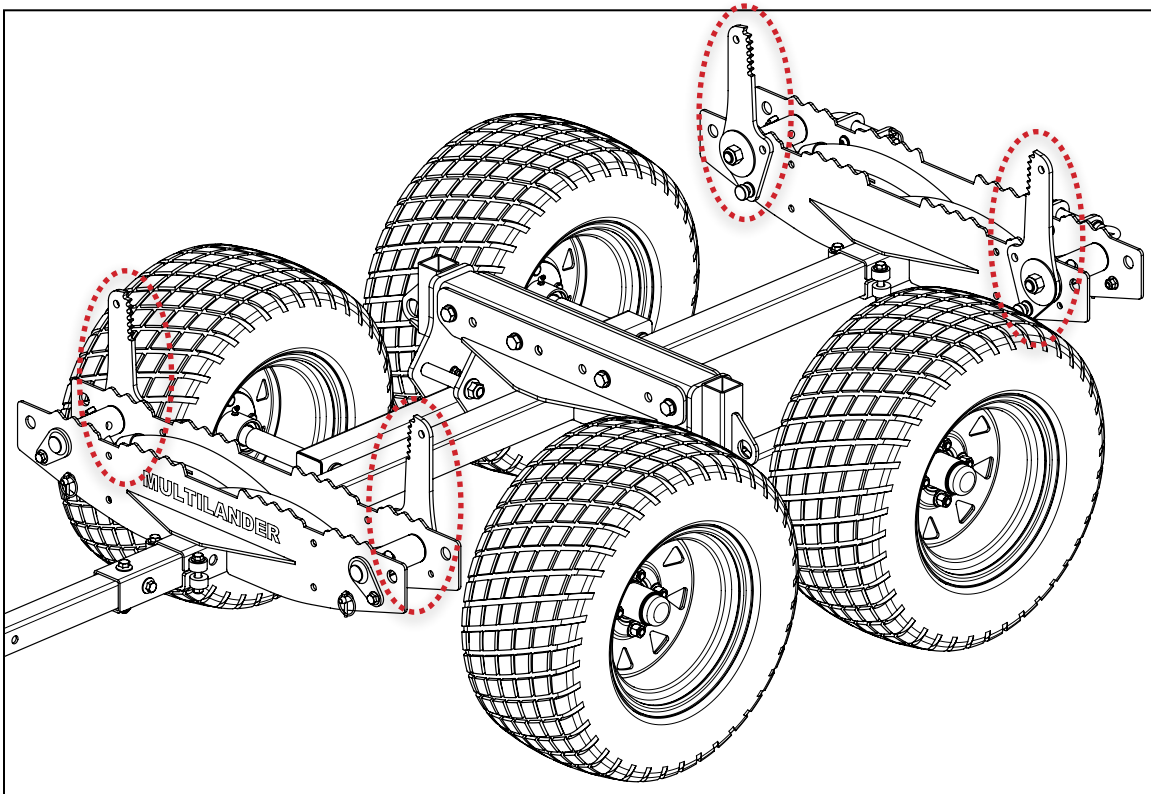
**INSTALL OUTER SPACER**



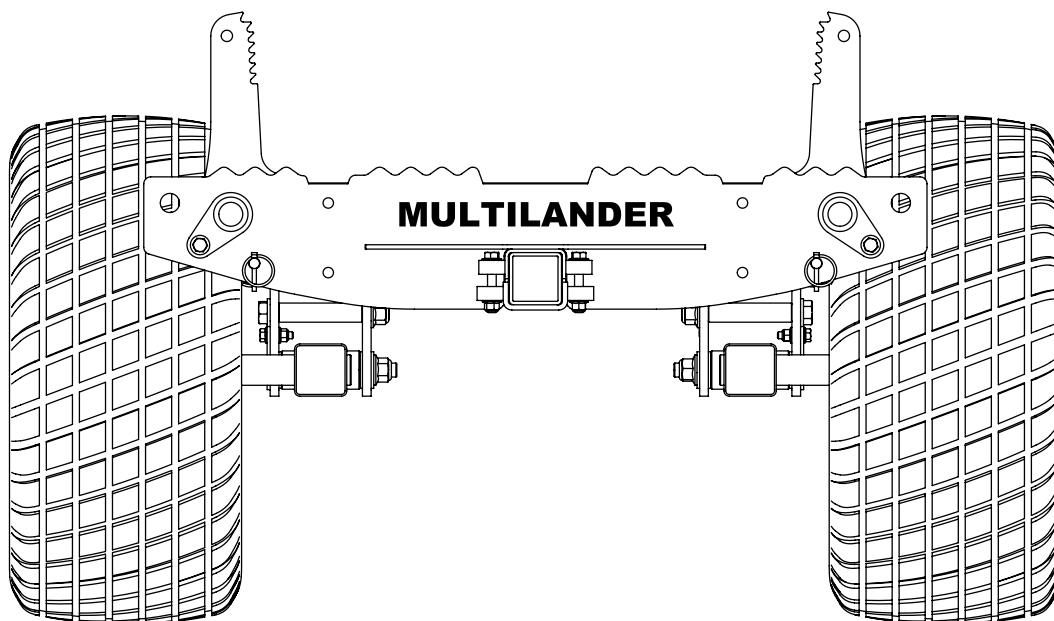
**RE-INSTALL M18 LOCK NUT**

**INSTALL LOCKING PIN AND LYNCH PIN****LOG SUPPORT INSTALLATION COMPLETE****M18 LOCK NUTS**

When re-installing the M18 lock nuts, rock the green logging arm up and down as the nut is tightened as shown to the left. The arm should be tight enough so that it moves when pushed with a little effort but not too loose so that it falls freely under its own weight.

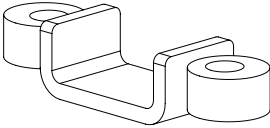
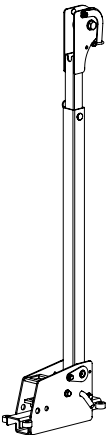
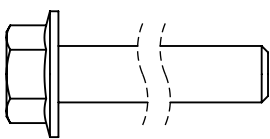


**REPEAT LOG SUPPORT INSTALLATION ON ALL FOUR CORNERS**

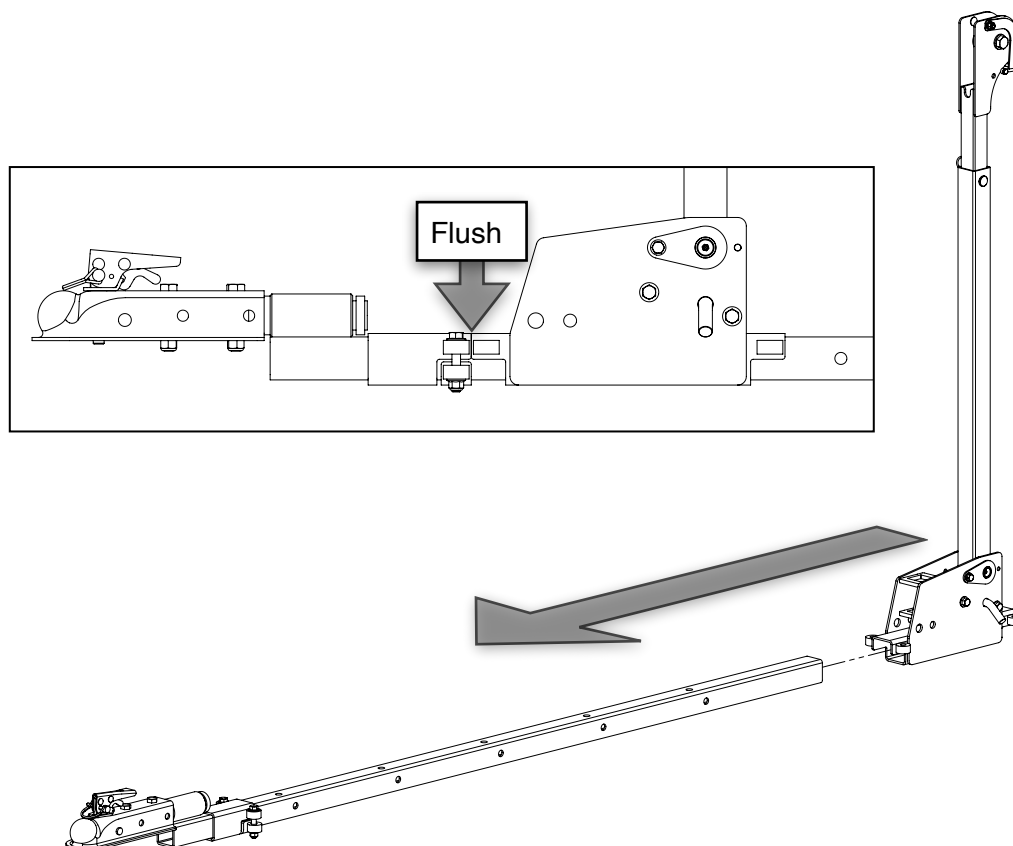


## 4. TELESCOPING BOOM

If it was not installed during the Multilander trailer assembly, install the telescoping boom using the hardware below. Consult the **Multilander Trailer Operator's Manual** for complete trailer assembly instructions.

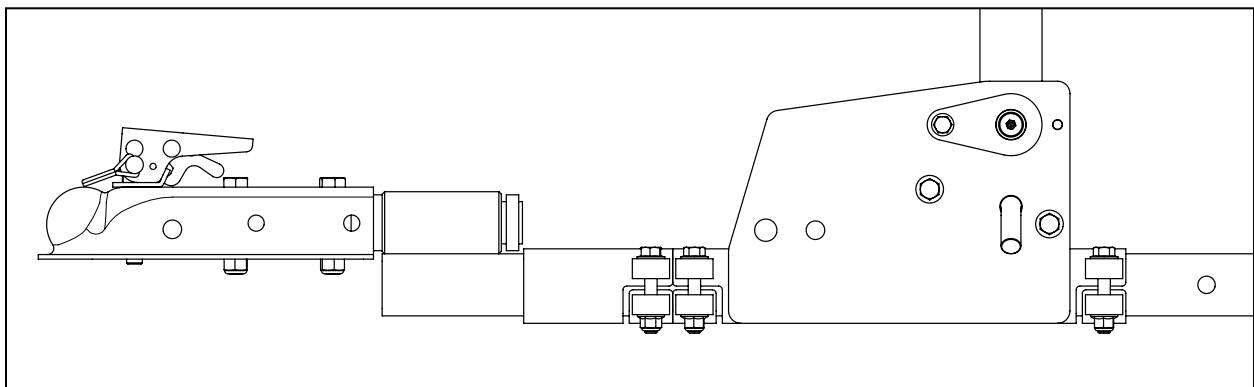
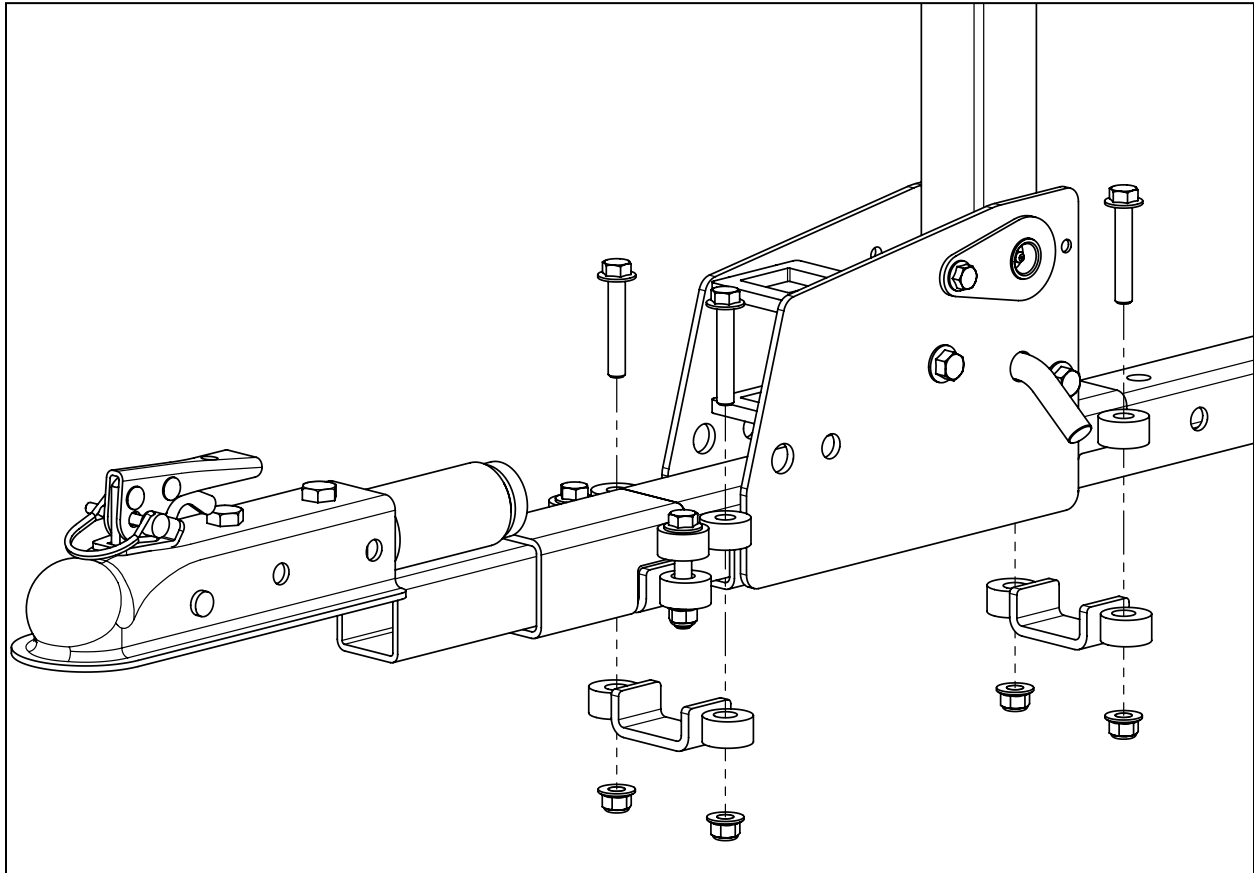
|    |                                    |                                                                                   |    |                     |                                                                                     |
|----|------------------------------------|-----------------------------------------------------------------------------------|----|---------------------|-------------------------------------------------------------------------------------|
| 2x | Chassis Clamp<br>(50 mm Wide)      |  | 1x | Telescoping<br>Boom |  |
| 4x | M10 X 60 mm<br>Flanged Hex<br>Bolt |  |    |                     |                                                                                     |
| 4x | M10 Flanged<br>Lock Nut            |  |    |                     |                                                                                     |

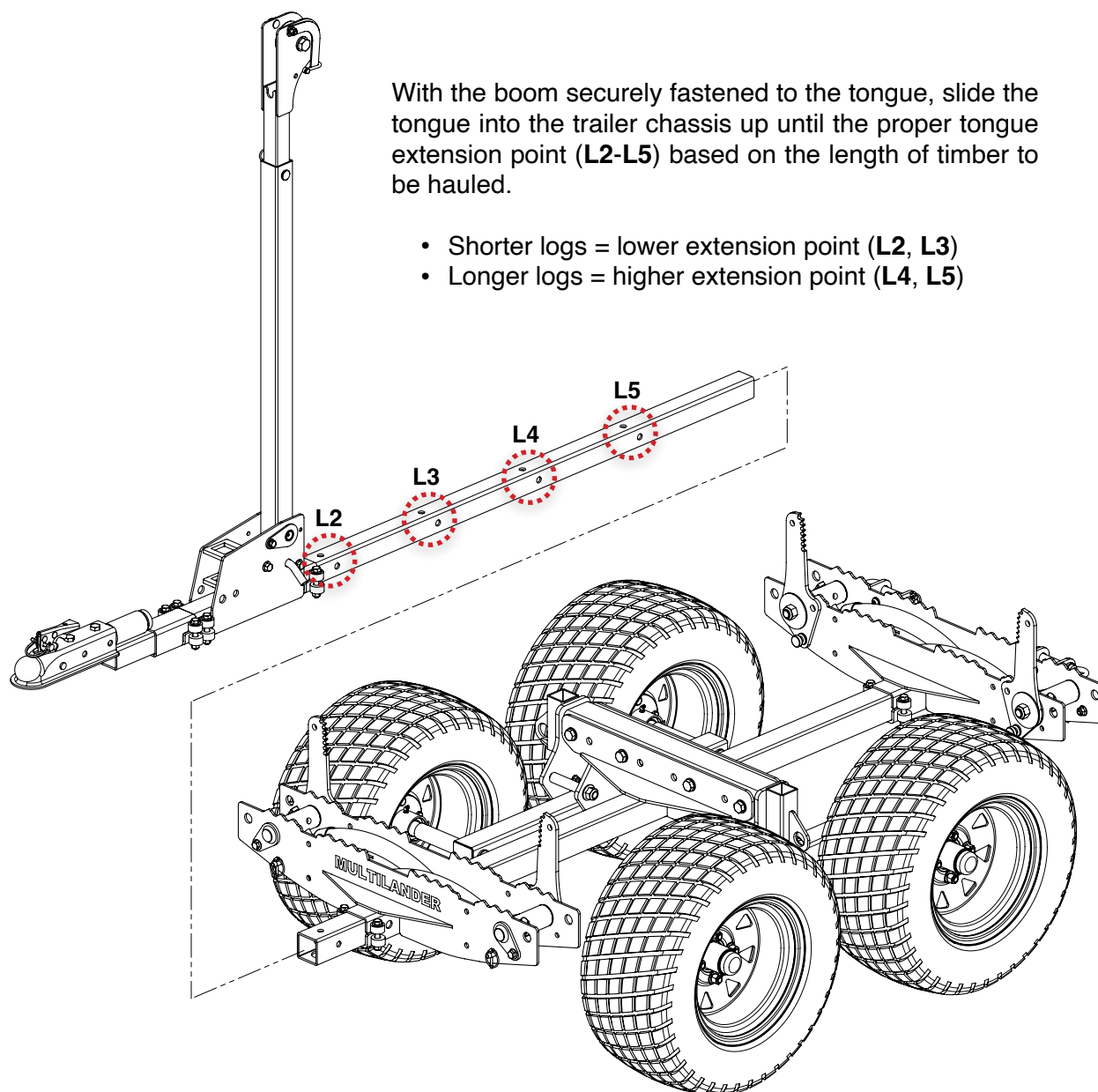
Slide the boom over the trailer's tongue until it mates flush with the jack support.



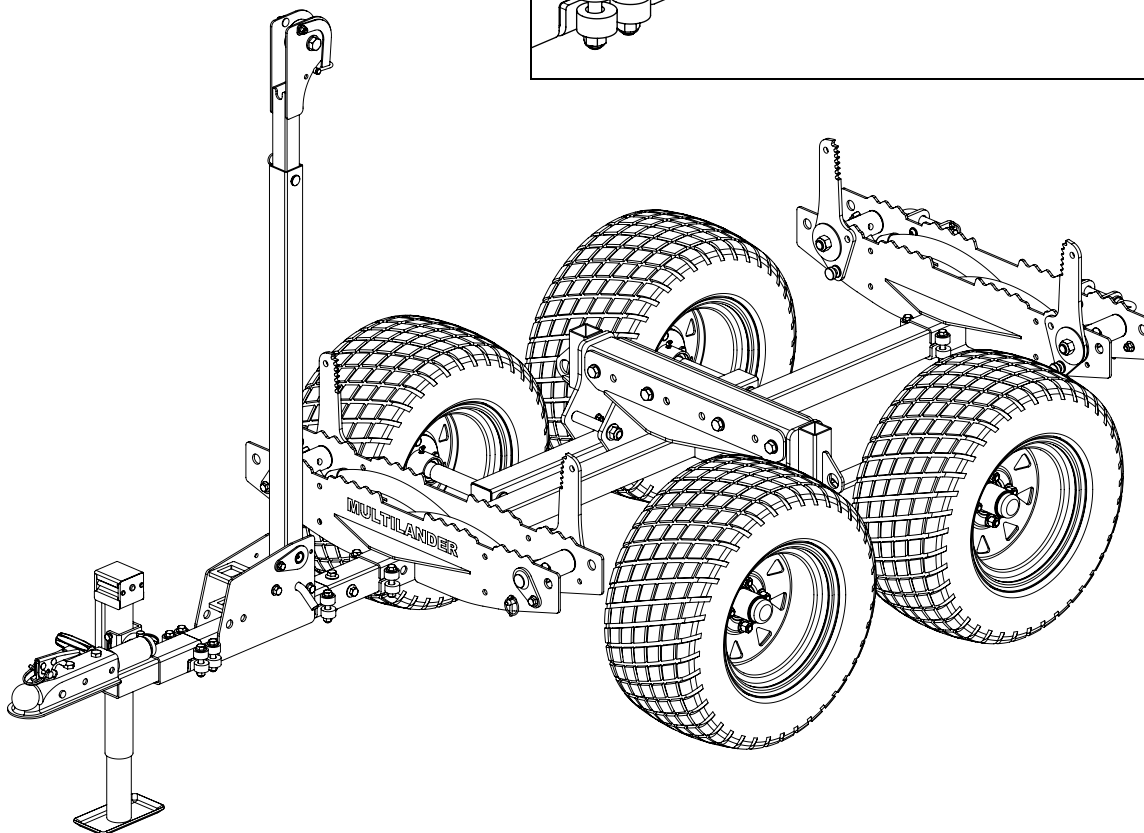
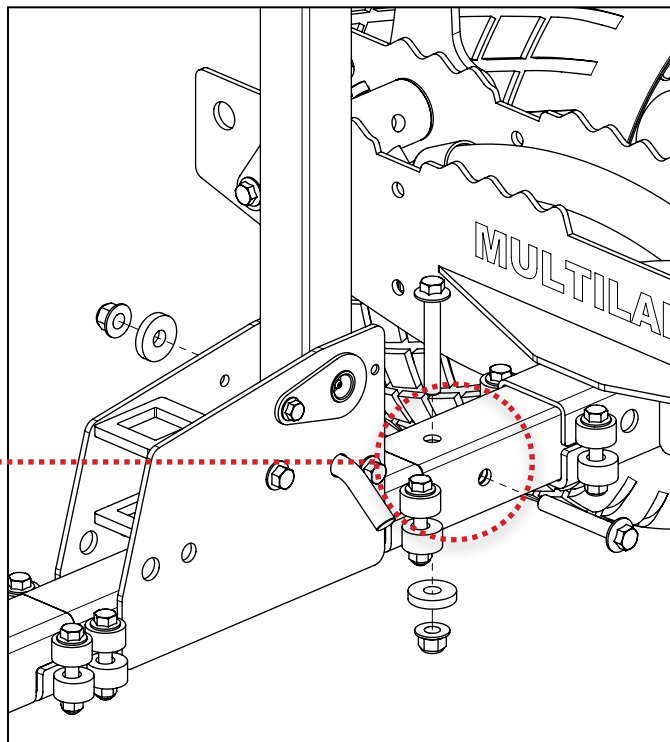
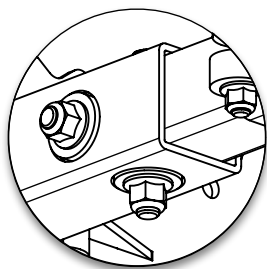


Secure the boom to the tongue with the two (2) chassis clamps, four (4) M10 X 60 mm flanged hex bolts, and four (4) M10 flanged lock nuts.



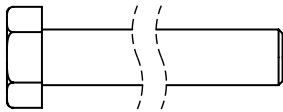
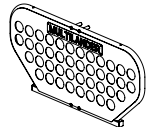
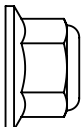
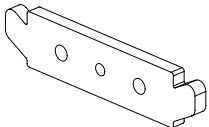
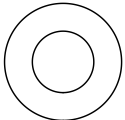


Using two (2) M12 X 80 mm flanged hex bolts, two (2) clamping disks, and two (2) M12 flanged lock nuts (part of Multilander Trailer assembly), securely fasten the tongue to the chassis. Ensure each clamping disk is centred in the large holes in the chassis *and* fully seated against the tongue when tight.

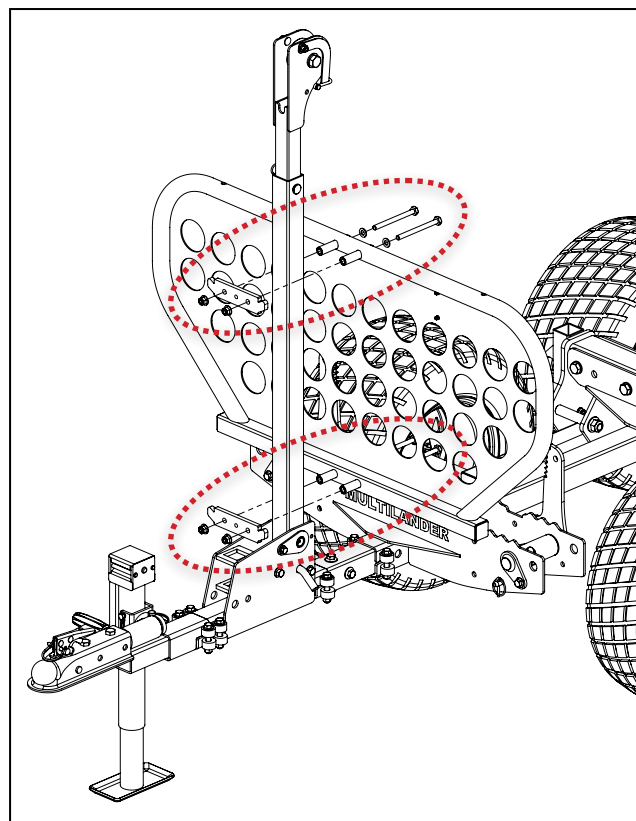
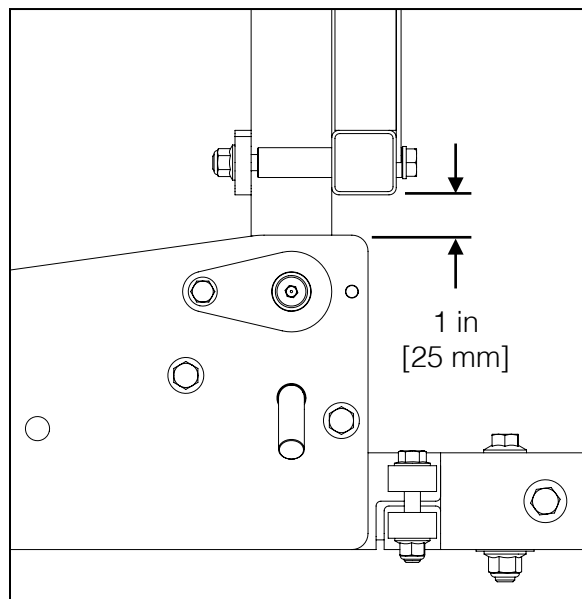


## 5. LOGGING CAGE

Using the hardware listed below, assemble the logging cage to the boom.

|    |                          |                                                                                   |    |              |                                                                                     |
|----|--------------------------|-----------------------------------------------------------------------------------|----|--------------|-------------------------------------------------------------------------------------|
| 4x | M10 X 120 mm<br>Hex Bolt |  | 1x | Logging Cage |  |
| 4x | M10 Flanged<br>Lock Nut  |  | 2x | Storage Hook |  |
| 4x | M10 Flat<br>Washer       |  |    |              |                                                                                     |

Using the four (4) M10 X 120 mm hex bolts, M10 flat washers, M10 lock nuts, and the two (2) storage hooks, secure the logging cage to the boom. Take note to keep the bottom of the cage approximately 1 in [25 mm] off the top of the boom saddle as shown ***below-left***.

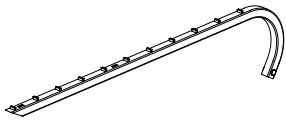
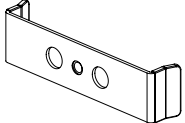
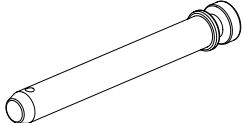
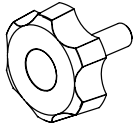
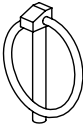




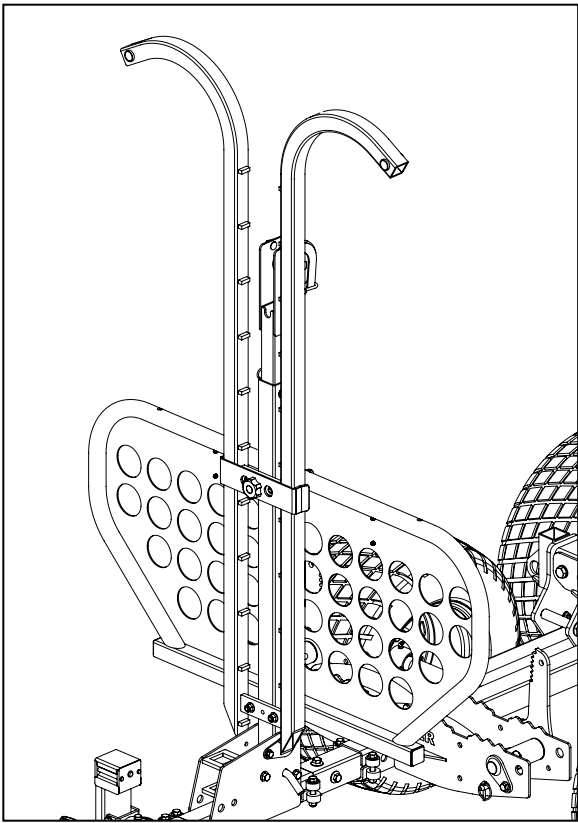
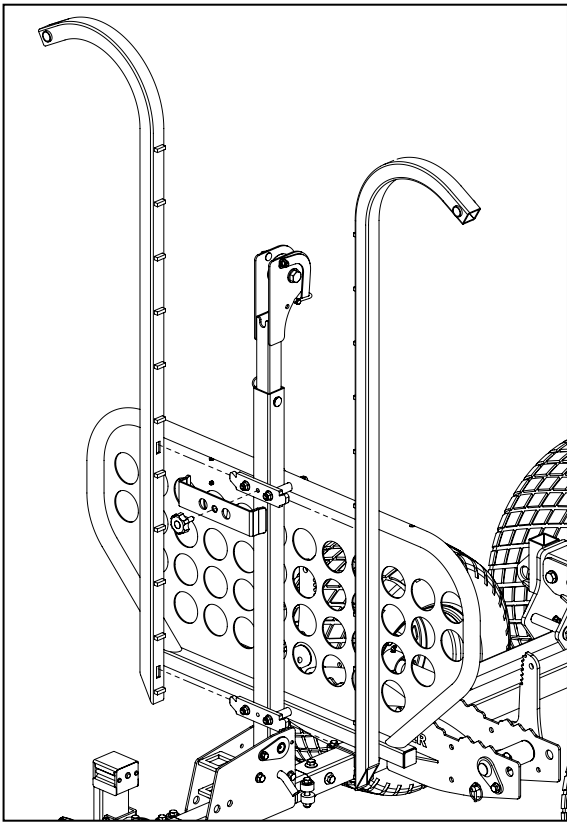


6. LOG RAMPS

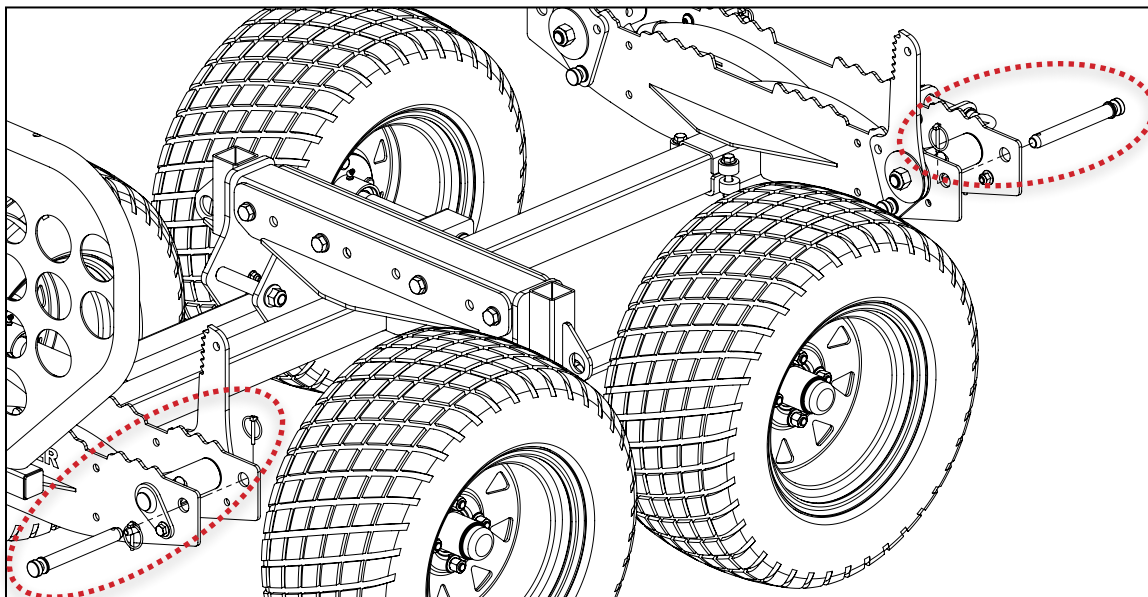
Mount the log loading ramps to the boom using the components in the table below.

|    |              |                                                                                   |    |               |                                                                                     |
|----|--------------|-----------------------------------------------------------------------------------|----|---------------|-------------------------------------------------------------------------------------|
| 2x | Log Ramp Leg |  | 1x | Storage Clamp |  |
| 2x | Hitch Pin    |  | 1x | Knob          |  |
| 2x | Linch Pin    |  |    |               |                                                                                     |

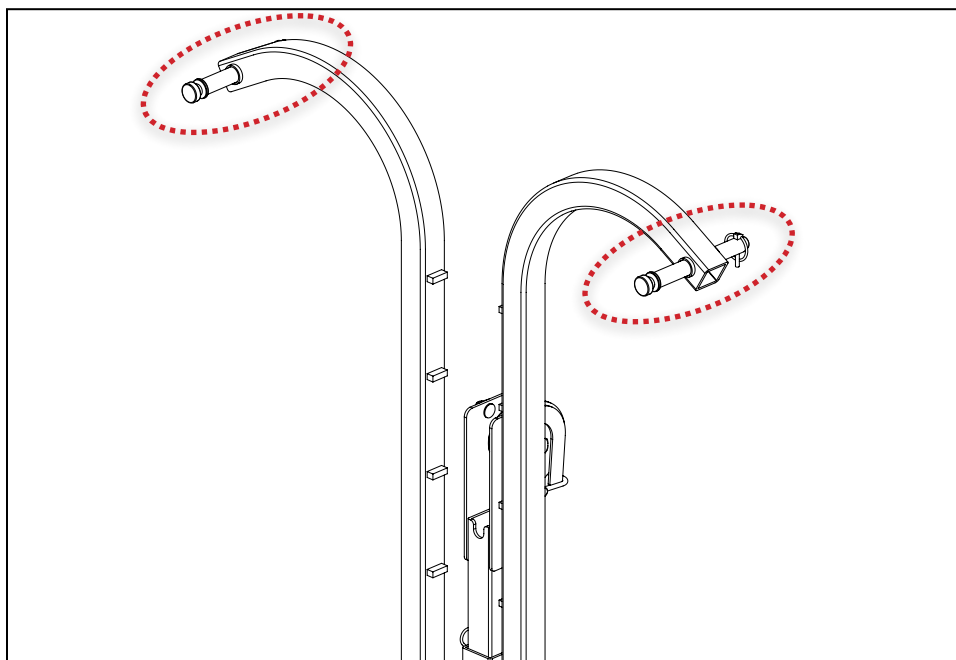
Attach the ramp legs to the boom by inserting the two (2) storage hooks into the rectangular slots in each leg. Secure them with the storage clamp and knob.



With the log loading ramp legs in the storage position, the hitch pins can be stored on the log racks (left or right side):

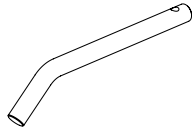
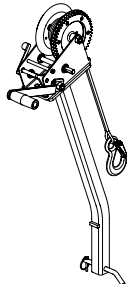
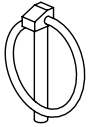


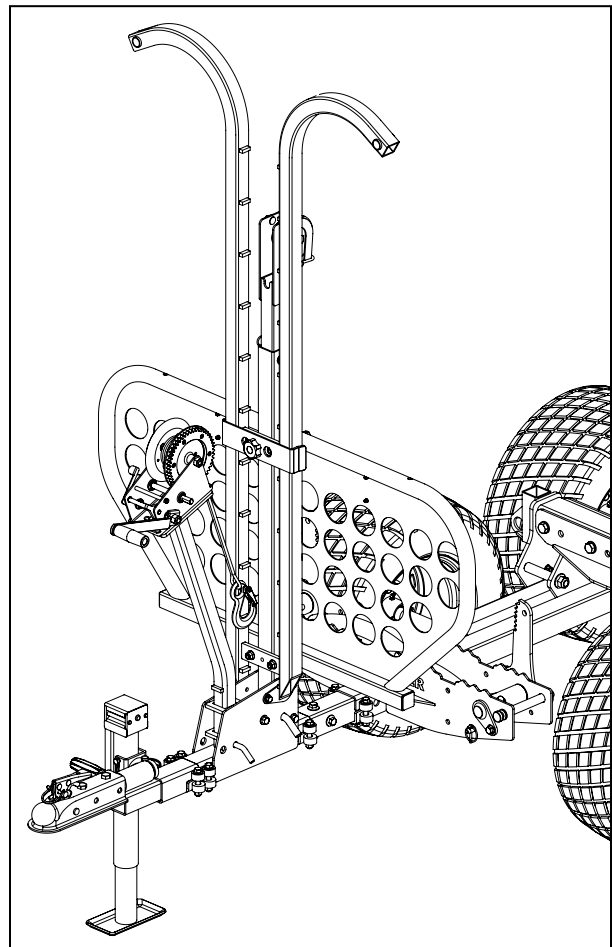
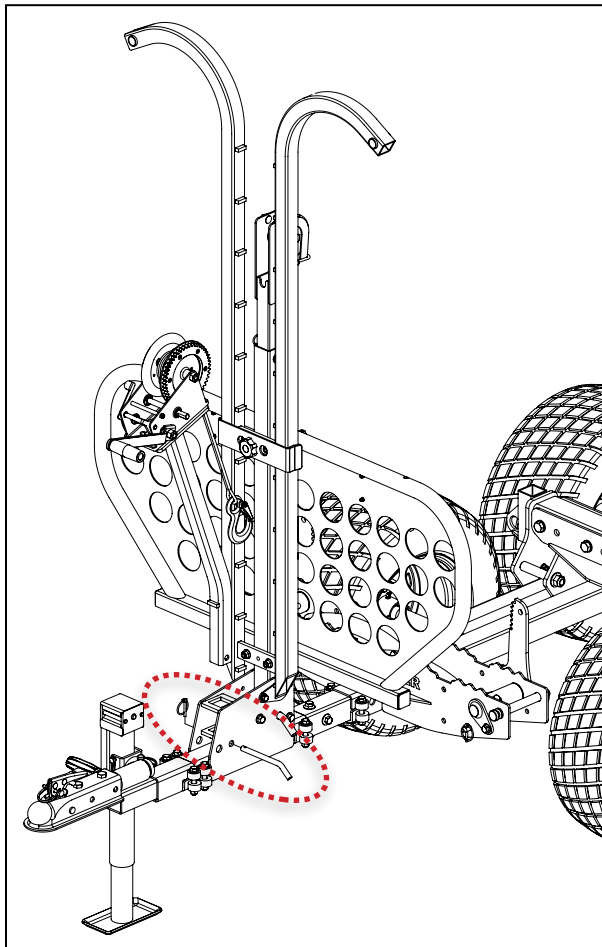
Or the hitch pins can be stored on the ramp legs themselves:



## 7. WINCH

Install the winch into the receiver on the boom saddle and insert the bent clevis pin through both. Secure the clevis in place with the linch pin.

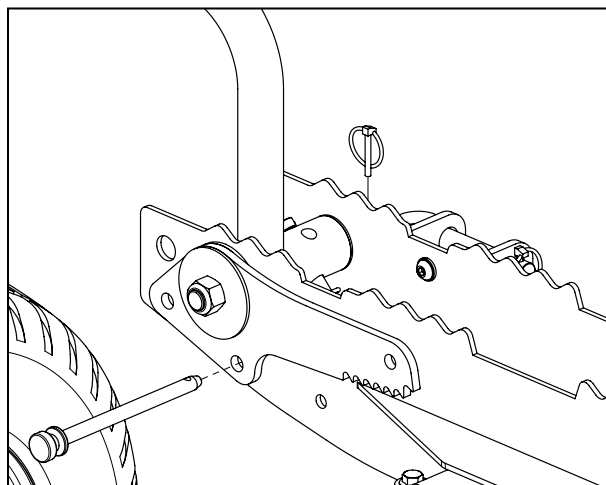
|    |                 |                                                                                   |    |       |                                                                                     |
|----|-----------------|-----------------------------------------------------------------------------------|----|-------|-------------------------------------------------------------------------------------|
| 1x | Bent Clevis Pin |  | 1x | Winch |  |
| 1x | Linch Pin       |  |    |       |                                                                                     |



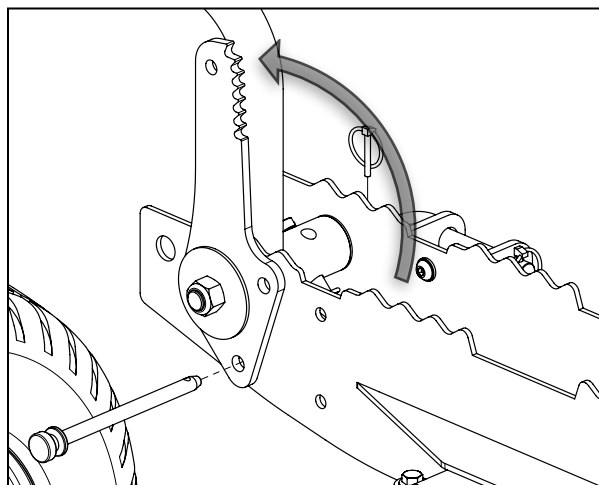
## OPERATION

### LOG LOADING RAMP SETUP

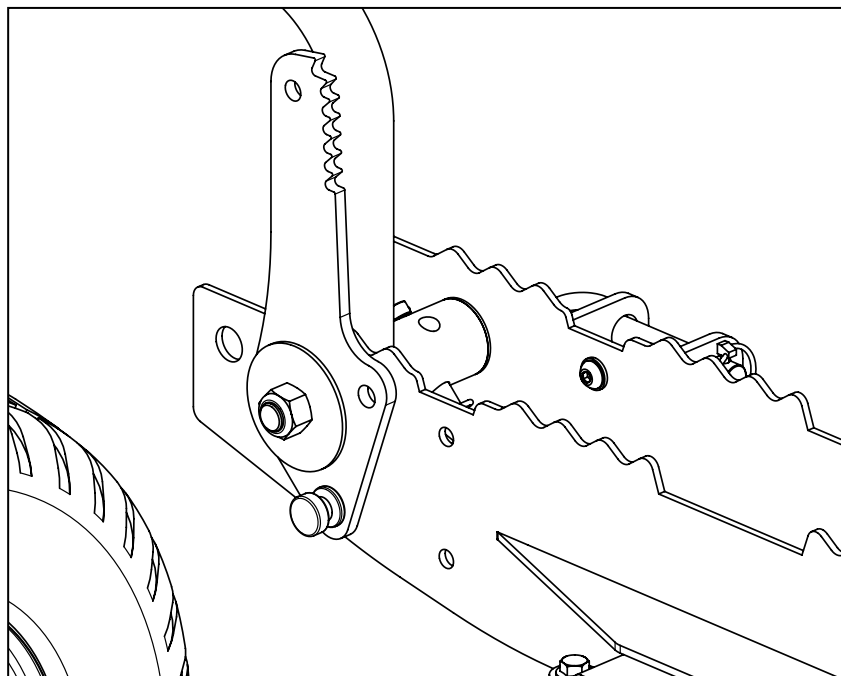
To set up the trailer for side-loading logs, start by rotating all four (4) log supports to they are pointing straight up (teeth pointing toward trailer centreline) as shown below.



**REMOVE LOCKING PIN AND LINCH PIN**

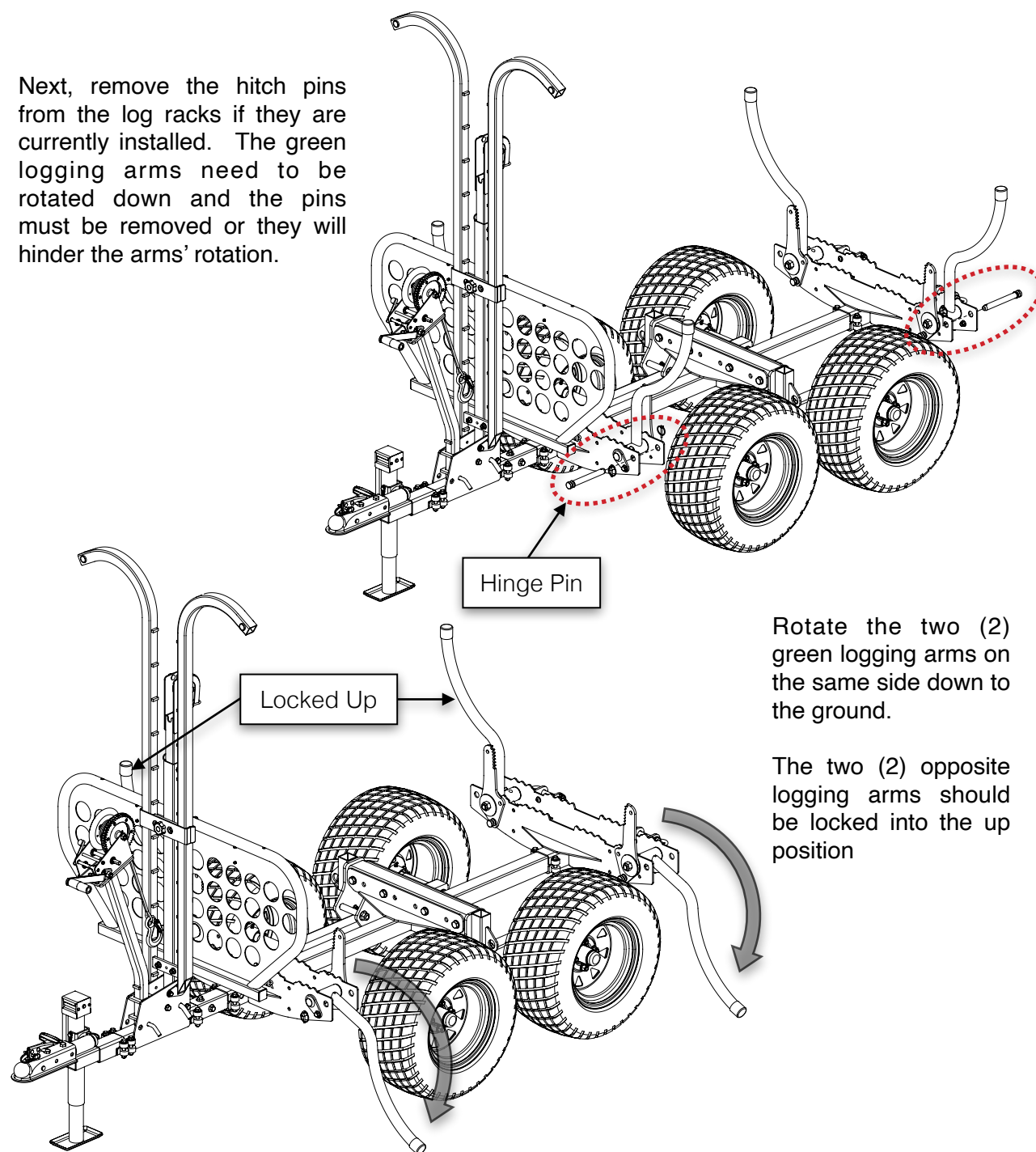


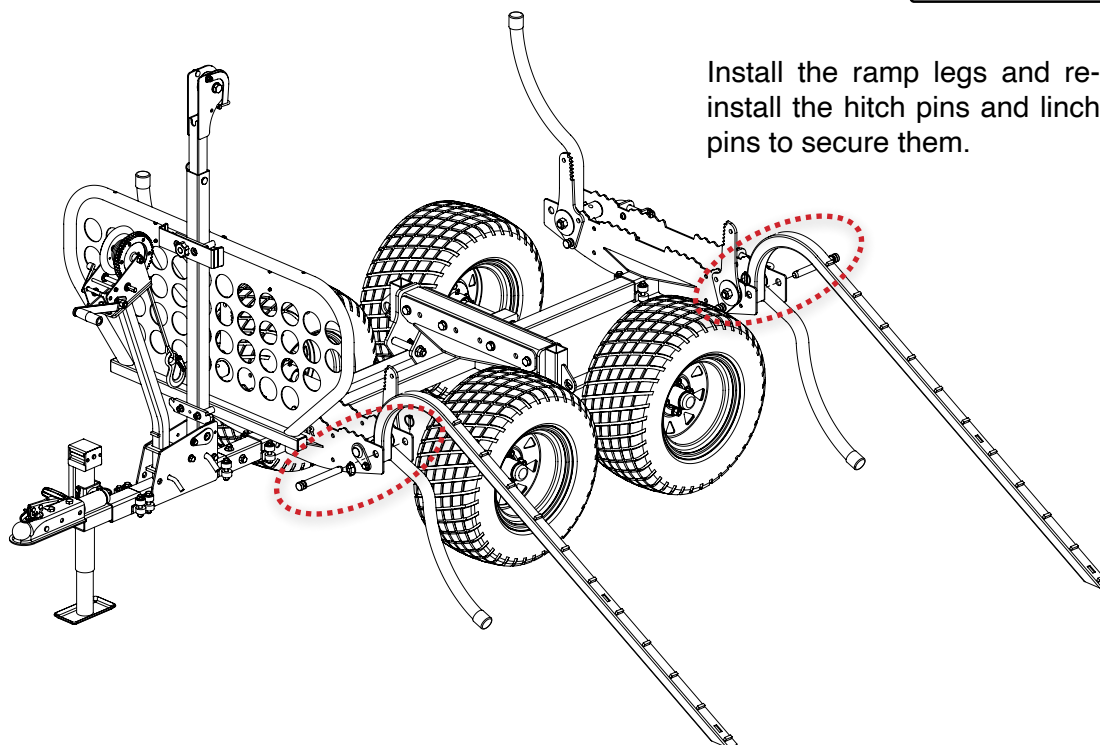
**ROTATE LOG SUPPORT UP 90° AND THEN  
RE-INSTALL LOCKING PIN AND LINCH PIN**



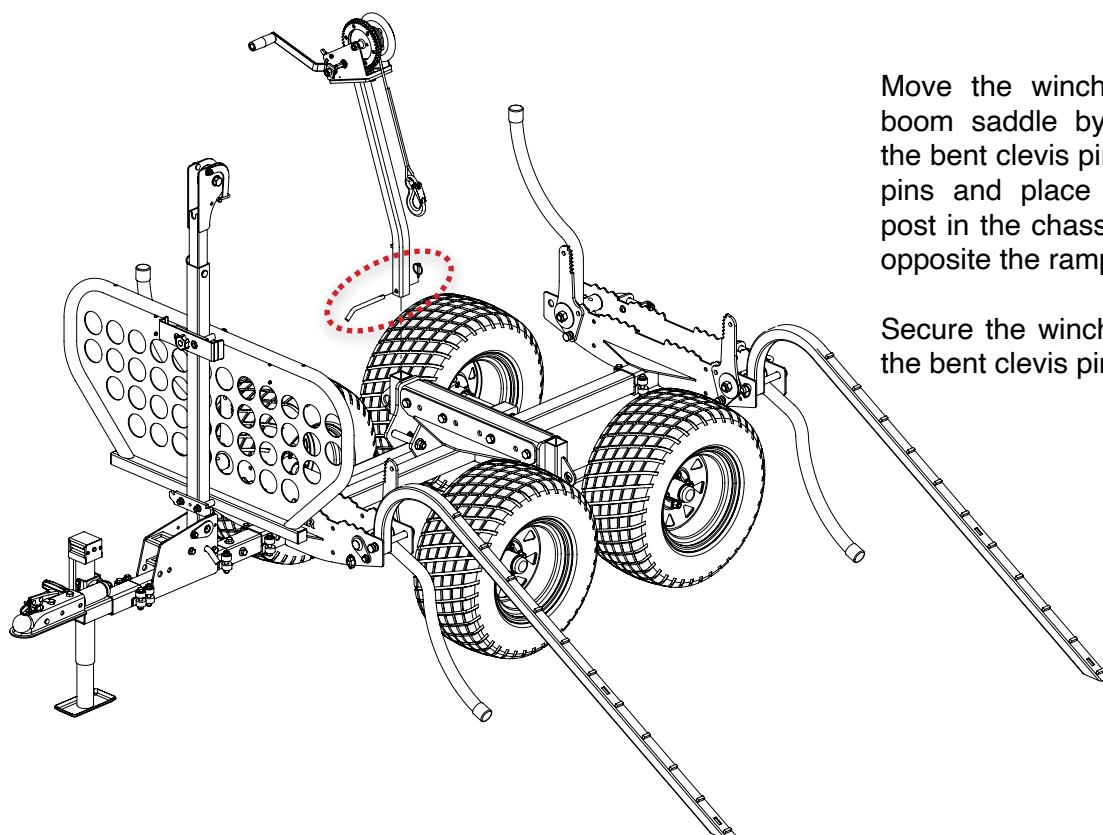
**REPEAT FOR ALL FOUR (4) LOG SUPPORTS**

Next, remove the hitch pins from the log racks if they are currently installed. The green logging arms need to be rotated down and the pins must be removed or they will hinder the arms' rotation.



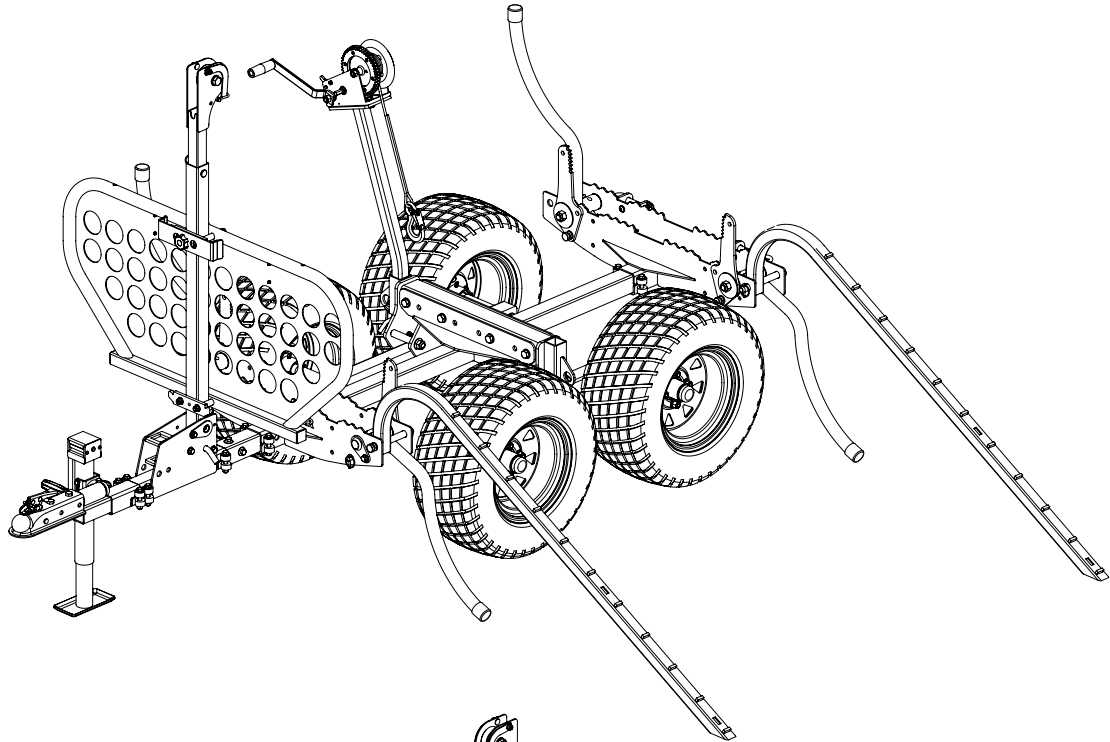


Install the ramp legs and re-install the hitch pins and linch pins to secure them.

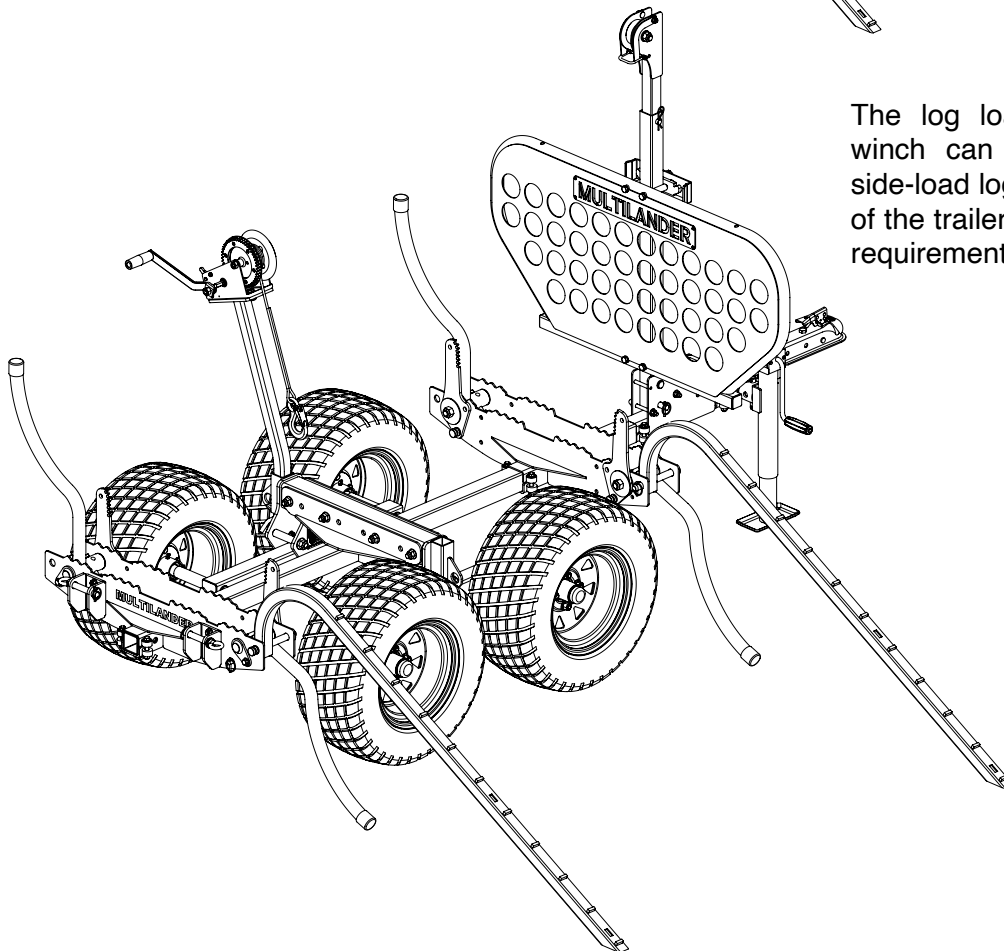


Move the winch from the boom saddle by removing the bent clevis pin and linch pins and place the winch post in the chassis receiver opposite the ramp legs.

Secure the winch post with the bent clevis pin and pin.



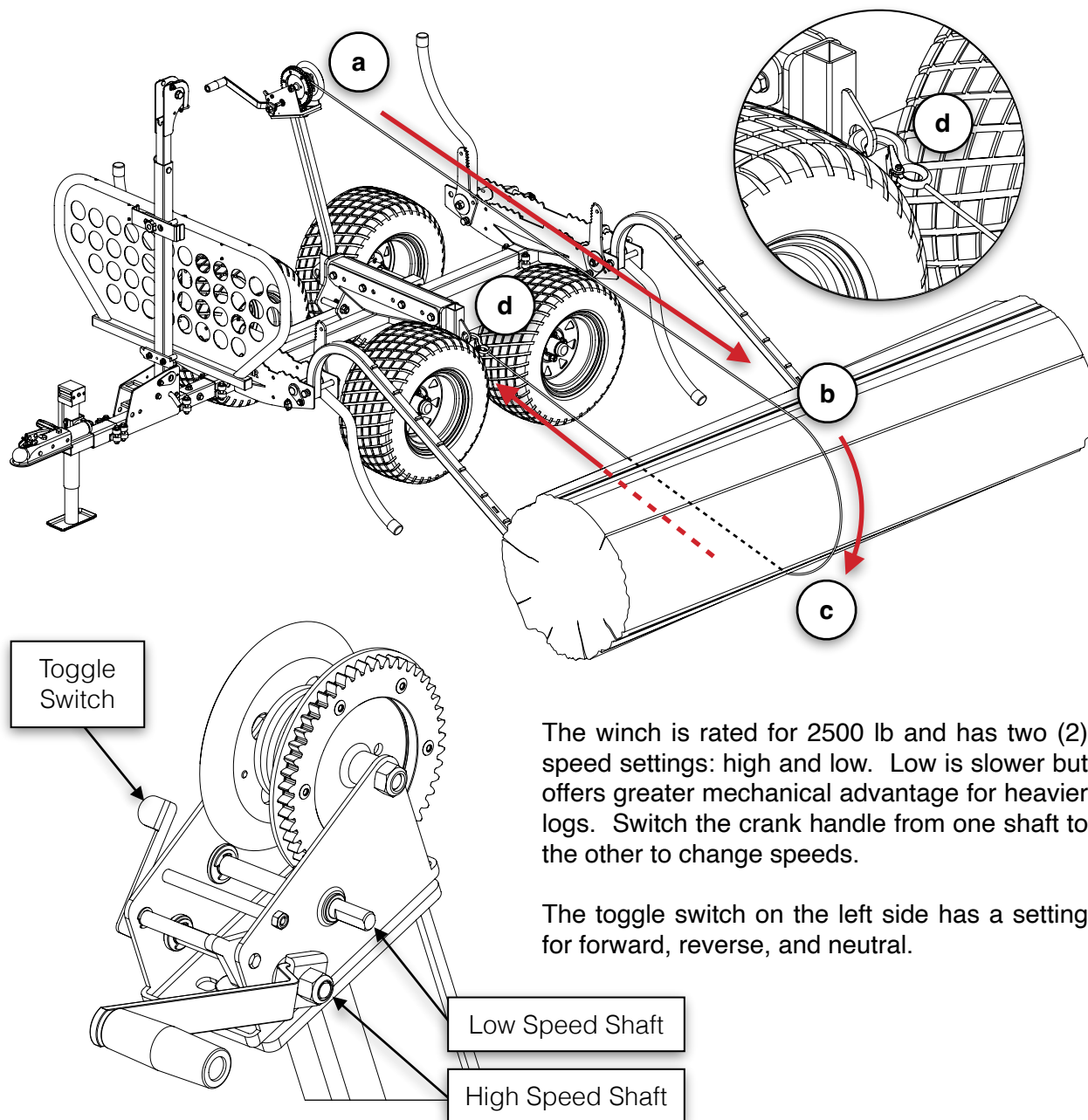
The log loading ramps and winch can be positioned to side-load logs from either side of the trailer depending on the requirements of the operator.



## WINCHING A LOG

When winching a log, route the rope as follows:

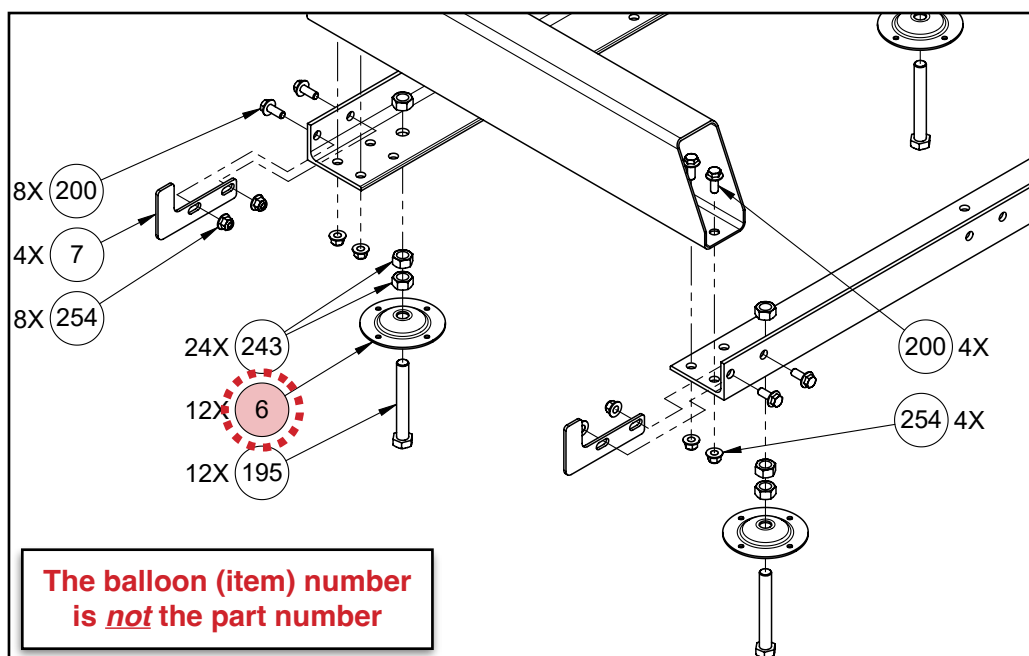
- Start at the winch →
- Route over the top of the log ↗
- Around and underneath the log ↖
- And then secure the winch hook to the eyelet located on the side of the grey index tube.





## 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

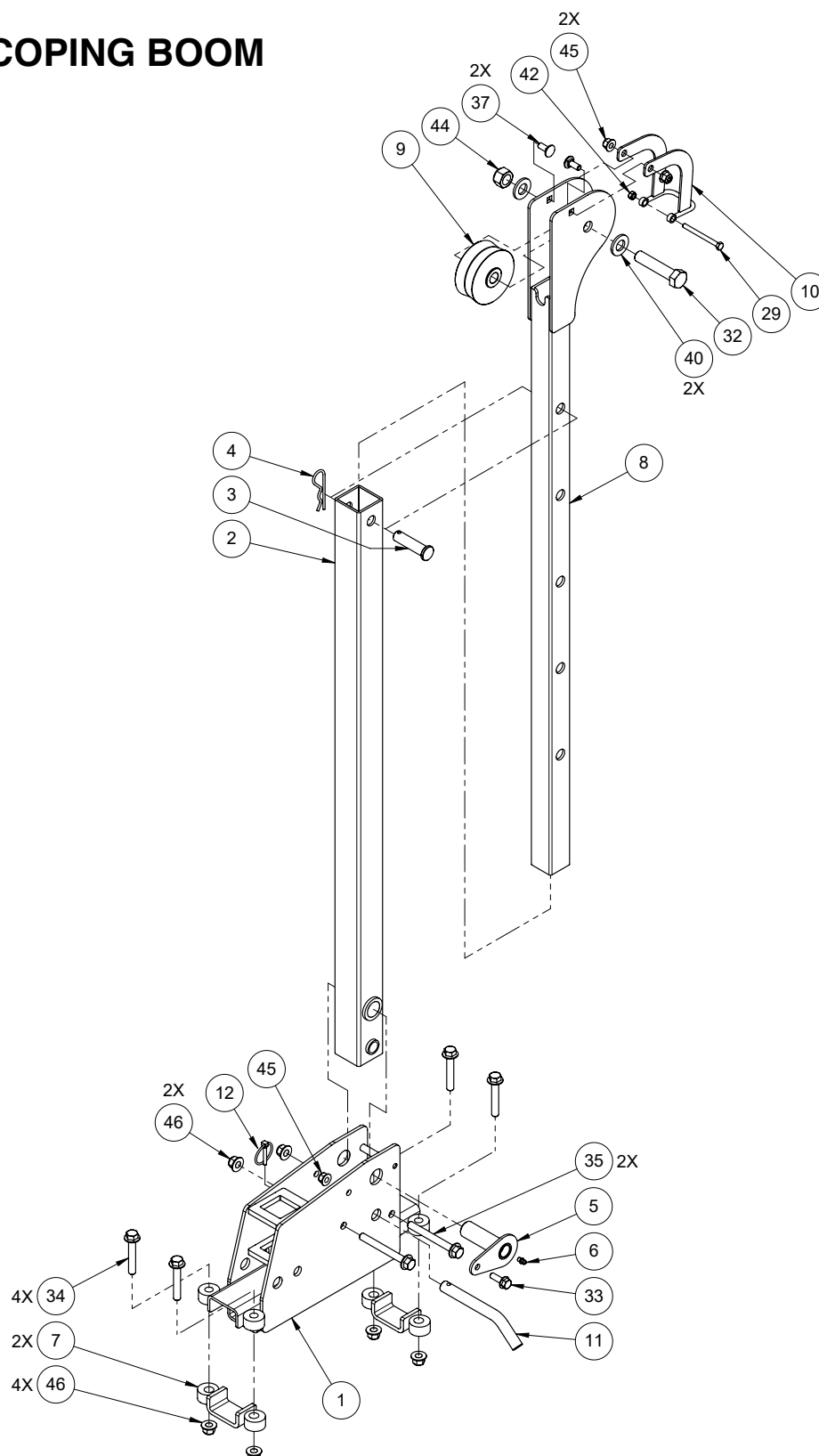
| Item | Quantity |        | Part No. | Description                          |
|------|----------|--------|----------|--------------------------------------|
|      | 14 hp    | 9.5 hp |          |                                      |
| 1    | 4        | 4      | 0001073  | TRACK RAIL, 58.5 mm TALL             |
| 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.) in the “**Part No.**” column.

Contact Woodland Mills through the website (or via phone/email) and provide the list of part numbers, including quantities for each item.

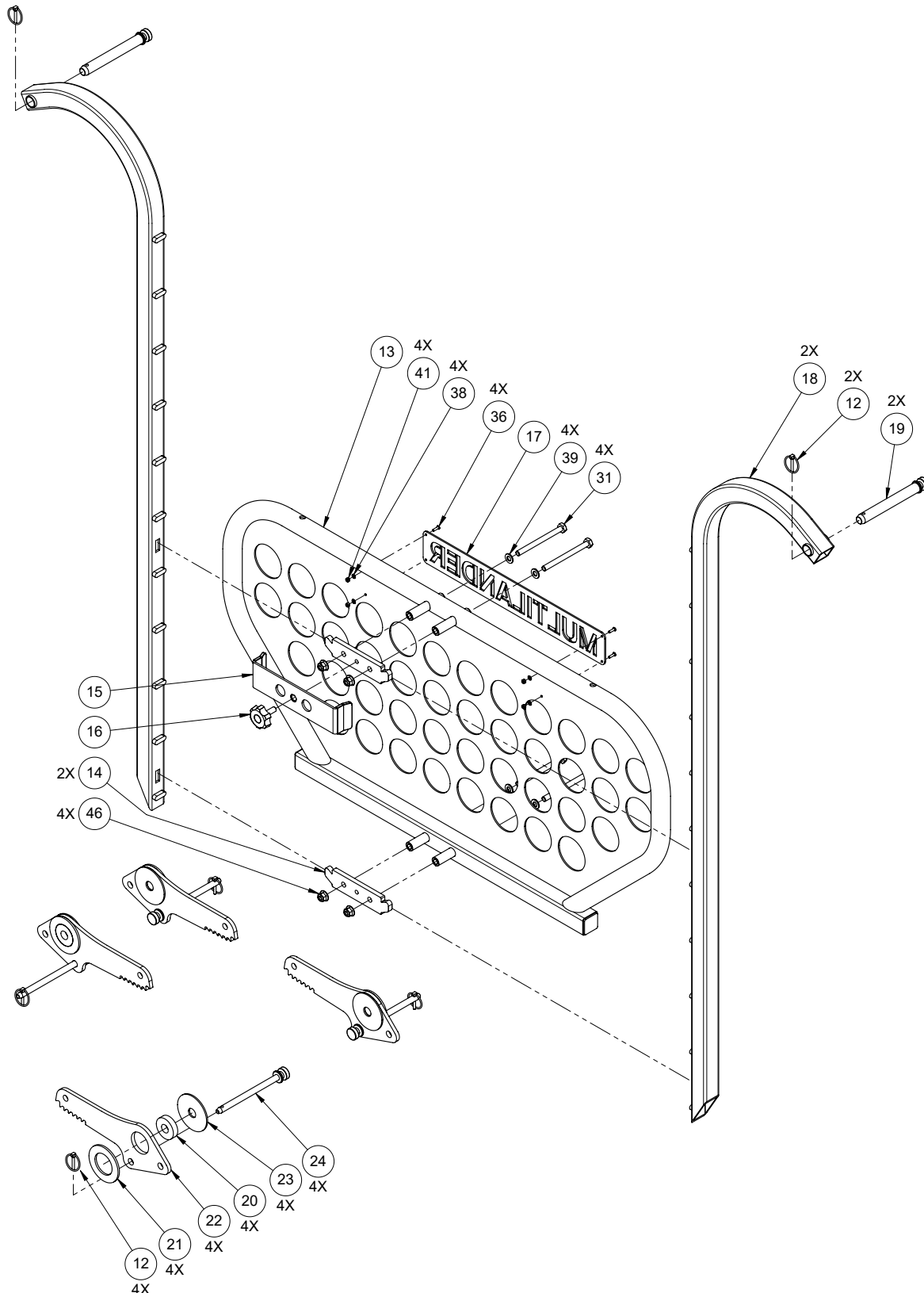
# EXPLODED ASSEMBLY VIEWS

## TELESCOPING BOOM



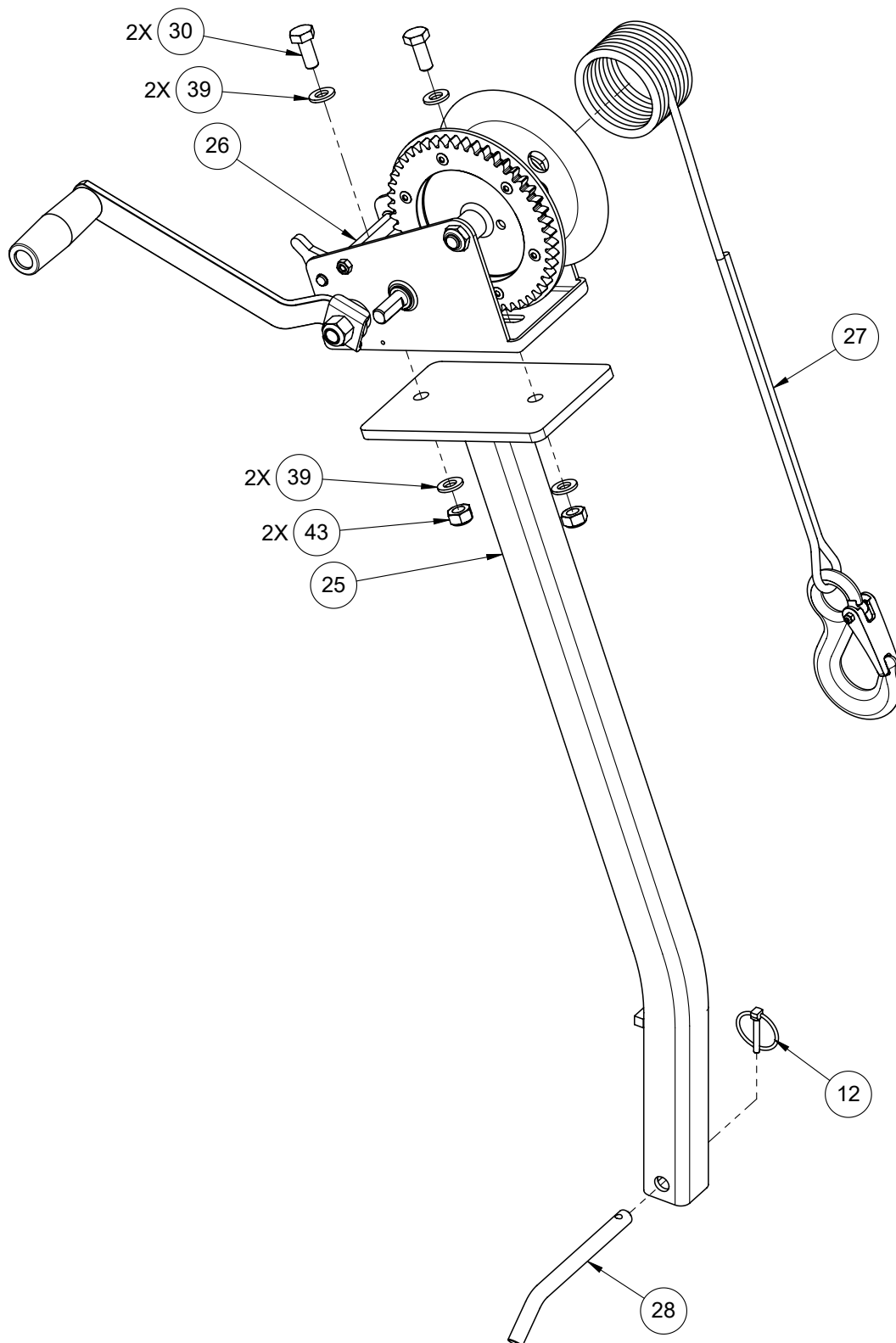


## LOGGING CAGE & LOG SUPPORTS





## WINCH





## PARTS LIST

| Item | Qty | Part No.      | Description                                                    |
|------|-----|---------------|----------------------------------------------------------------|
| 1    | 1   | 0002390       | BOOM SADDLE                                                    |
| 2    | 1   | 0002391       | BOOM SLEEVE                                                    |
| 3    | 1   | 0004750       | CLEVIS PIN, 15.5 mm DIA, 50 mm USABLE LG, 59 mm LG             |
| 4    | 1   | 0004760       | COTTER PIN, HAIRPIN, 10-16 mm CLEVIS, 3 mm WIRE DIA            |
| 5    | 1   | 0002392       | SWIVEL PIN, BOOM                                               |
| 6    | 1   | 0004707       | GREASE FITTING, STRAIGHT, M6 X 1 TAPERED THD                   |
| 7    | 2   | 0002299       | CHASSIS CLAMP, 50 mm WIDE BEAM                                 |
| 8    | 1   | 0002394       | BOOM EXTENSION                                                 |
| 9    | 1   | 0002395       | V-GROOVE PULLEY, 85 mm OD, 80 mm GROOVE, 16 mm SHAFT           |
| 10   | 1   | 0002396       | PIVOTING CABLE BOOM HOOK                                       |
| 11   | 1   | 0002750       | BENT-PULL CLEVIS PIN, 16 mm DIA, 85 mm USABLE LG               |
| 12   | 8   | 0004720       | LINCH PIN, 4.5 mm DIA, 25 mm USEABLE LG, 32 mm LG              |
| 13   | 1   | 0002428       | LOGGING CAGE                                                   |
| 14   | 2   | 0002429       | STORAGE HOOK, LOG LOADING RAMP                                 |
| 15   | 1   | 0002430       | STORAGE CLAMP, LOG LOADING RAMP                                |
| 16   | 1   | 0004903       | KNOB, MULTI-LOBE, 48 mm OD, M10 X 1.5, 25 mm LG                |
| 17   | 1   | 0002431       | MULTILANDER NAMEPLATE                                          |
| 18   | 2   | 0002421       | LOG LOADING RAMP LEG                                           |
| 19   | 2   | 0002303       | HITCH PIN, 20 DIA X 158 mm LG                                  |
| 20   | 4   | 0002416       | LOG SUPPORT BUSHING                                            |
| 21   | 4   | 0002417       | LOG SUPPORT INNER SPACER                                       |
| 22   | 4   | 0002418       | LOG SUPPORT                                                    |
| 23   | 4   | 0002419       | LOG SUPPORT OUTER SPACER                                       |
| 24   | 4   | 0002420       | LOG SUPPORT LOCKING PIN                                        |
| 25   | 1   | 0001451       | TRAILER WINCH POST                                             |
| 26   | 1   | 0001452       | WINCH, 2500 lb                                                 |
| 27   | 1   | 0001532       | SYNTHETIC ROPE W/ 7/8-8 WLL2T HOOK, 30 ft [9.1 m] LG           |
| 28   | 1   | 0002400       | BENT-PULL CLEVIS PIN, 12 mm DIA, 105 mm USEABLE LG             |
| 29   | 1   | HHB-MBE125PCJ | HEX HEAD BOLT, CLS 8.8, M6 X 1, 70 mm LG, 18 mm LG THD         |
| 30   | 2   | HHB-MBM080FCJ | HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 25 mm LG, FULL              |
| 31   | 4   | HHB-MBM175PCJ | HEX HEAD BOLT, CLS 8.8, M10 X 1.5, 120 mm LG, 26 mm LG THD     |
| 32   | 1   | HHB-MCA130PCJ | HEX HEAD BOLT, CLS 8.8, M16 X 2, 75 mm LG, 38 mm LG THD        |
| 33   | 1   | FHH-MBJ080FCJ | HEX BOLT, FLANGED, CLS 8.8, M8 X 1.25, 25 mm LG, FULL          |
| 34   | 4   | FHH-MBM115PCM | HEX BOLT, FLANGED, CLS 10.9, M10 X 1.5, 60 mm LG, 26 mm LG THD |
| 35   | 2   | FHH-MBM145PCM | HEX BOLT, FLANGED, CLS 10.9, M10 X 1.5, 90 mm LG, 26 mm LG THD |
| 36   | 4   | BHS-MAW067FCM | BUTTON HEAD SCREW, CLS 10.9, M4 X 0.7, 14 mm LG, FULL          |
| 37   | 2   | SNC-MBJ075FCJ | CARRIAGE BOLT, SQ NECK, CLS 8.8, M8 X 1.25, 20 mm LG, FULL     |
| 38   | 4   | FTW-MAW000AJ  | FLAT WASHER, M4                                                |



| Item | Qty | Part No.     | Description                         |
|------|-----|--------------|-------------------------------------|
| 39   | 8   | FTW-MBM000AJ | FLAT WASHER, M10                    |
| 40   | 2   | FTW-MCA000AJ | FLAT WASHER, M16                    |
| 41   | 4   | HLN-MAWCH    | LOCK NUT, CLS 8, M4 X 0.7           |
| 42   | 1   | HLN-MBECH    | LOCK NUT, CLS 8, M6 X 1             |
| 43   | 2   | HLN-MBMCH    | LOCK NUT, CLS 8, M10 X 1.5          |
| 44   | 1   | HLN-MCACH    | LOCK NUT, CLS 8, M16 X 2            |
| 45   | 3   | FLN-MBJCH    | LOCK NUT, FLANGED, CLS 8, M8 X 1.25 |
| 46   | 10  | FLN-MBMCH    | LOCK NUT, FLANGED, CLS 8, M10 X 1.5 |

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