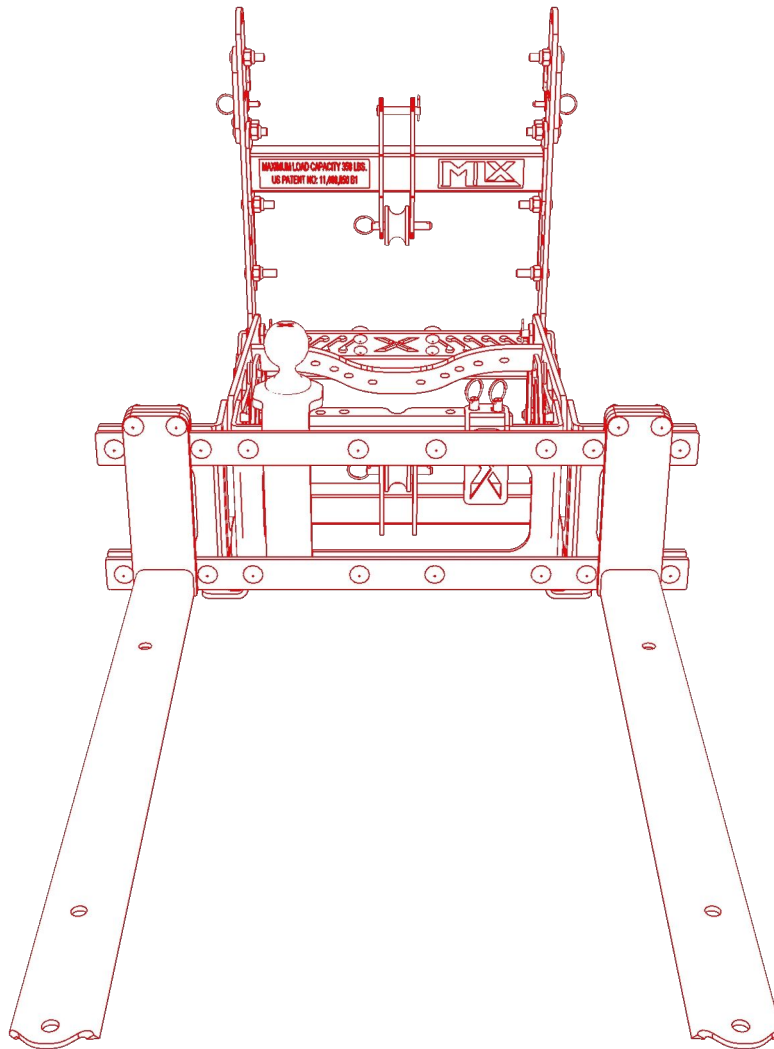




ASSEMBLY & INSTALL



MODULAR LIFT ACCESSORIES, LLC

PO BOX 538
PERRY, FLORIDA 32348
www.modliftx.com

SAFETY & USAGE

IMPORTANT SAFETY INFORMATION

CAUTION: MLX is meant to lift and transport things that are too heavy or too awkward for you to safely lift and transport without mechanical assistance. With that comes a degree of risk. The safety and usage instructions below help to mitigate that risk. Read these SAFETY RULES CAREFULLY and ENTIRELY, and BEFORE operating, employing, or maintaining the MLX or any of its accessories. As with any mechanized equipment, the MLX and its accessories can cause serious bodily injury or even death if the operator lacks understanding of their operation, or if the MLX and accessories are improperly operated.

SAFETY RULES

Safe Operation Practices for the MLX and MLX Accessories

PREPARATION

- Carefully review the instructions at modliftx.com for proper assembly, fitment to your UTV, and installation. Should you have any trouble with assembly, fitment or install, please reach out to an MLX team member by visiting modliftx.com/contact-us
- Before connecting the MLX to your UTV, make sure that all nuts and bolts are properly tightened and that the UTV's brush guard is undamaged. All nuts and bolts should be checked and tightened daily before each use of the MLX.
- Install the MLX when your UTV is on a flat surface. ALWAYS have your UTV in park when installing or uninstalling the MLX and all MLX accessories.
- The UTV operator needs to be knowledgeable about UTV operation, and understand proper utilization of a winch. The UTV operator should read their UTV manual cover to cover. The UTV operator should follow basic UTV safety procedures and precautions.
- The UTV operator should read and understand the entire MLX Assembly, Fitment, and Install Manual.
- Do not wear loose or baggy clothing while operating the MLX.
- NO modifications should be made to the MLX beyond those for MLX fitment to your UTV and for MLX accessory install. Any modifications will void the MLX warranty, and may increase the chance of injury to the MLX operator or bystanders.
- There are multiple PINCH, PULL-IN and CRUSH points on the MLX, and therefore there is danger of crushing, cutting, maiming, amputations, or other serious bodily injury or death.
- ONLY use official MLX accessories tested and sold by MLX or authorized MLX dealers with your MLX unit.

SAFETY & USAGE

- THE MLX IS SOLELY FOR USE ON SIDE-by-SIDES a/k/a UTVs. THE MLX IS NOT FOR USE ON ATVs or TRUCKS. USE OF THE MLX ON AN ATV MAY RESULT IN AN OVERTURNED VEHICLE AND SERIOUS BODILY INJURY OR DEATH.
- Your UTV's winch cable MUST be in proper working condition. If there is any fraying or other indication that the winch cable is compromised and may break, DO NOT use the winch with the MLX. Operator must replace the compromised winch cable before using the MLX.
- Keep the MLX in good operating condition and perform routine maintenance checks.
- Reduce your exposure to any risks utilizing the MLX by using good judgment, skills, and by vigilantly following these safety rules.

OPERATION

- NEVER allow children to operate the UTV or MLX.
- Do not allow adults to operate the MLX before providing proper instruction.
- The MLX and MLX accessories are rated to hold up to 350 pounds of weight. Do not carry more than 350 pounds of weight with any of the MLX accessories.
- When the MLX is under load, do not travel faster than 15 mph.
- The MLX is designed for use by a single operator who, during operation, must always stay in the cab of the UTV or ten (10) feet away if operating the winch by remote. Hands and feet must remain clear of an operating MLX.
- The operator of the UTV must give their undivided attention to the deployment and operation of the MLX. If distractions are present, the operator should either remove and store the MLX or secure the MLX in the stow position; the operator should not operate the MLX under such circumstances.
- Keep the area of operation of the MLX clear of all people, especially children, and including pets, as serious bodily injury or even death may occur.
- ALWAYS utilize the safety hitch pins (with cotter pins in place) when moving your UTV with the MLX attached, both when it is under load and when it is not. The breakage of the winch cable while under pressure and the resulting disengagement of the MLX and MLX accessories may cause severe, even fatal, injuries to the operator and bystanders.
- The operator, whenever using, maintaining, repairing, handling or storing the MLX or MLX accessories, must wear accident-prevention footwear and safety gloves.
- Never operate the MLX or MLX accessories if you are drowsy, sick, under the influence of alcohol or drugs (including prescription, over-the-counter, or illicit), that cause drowsiness, lack of judgment, or other physical or psychological impairment.

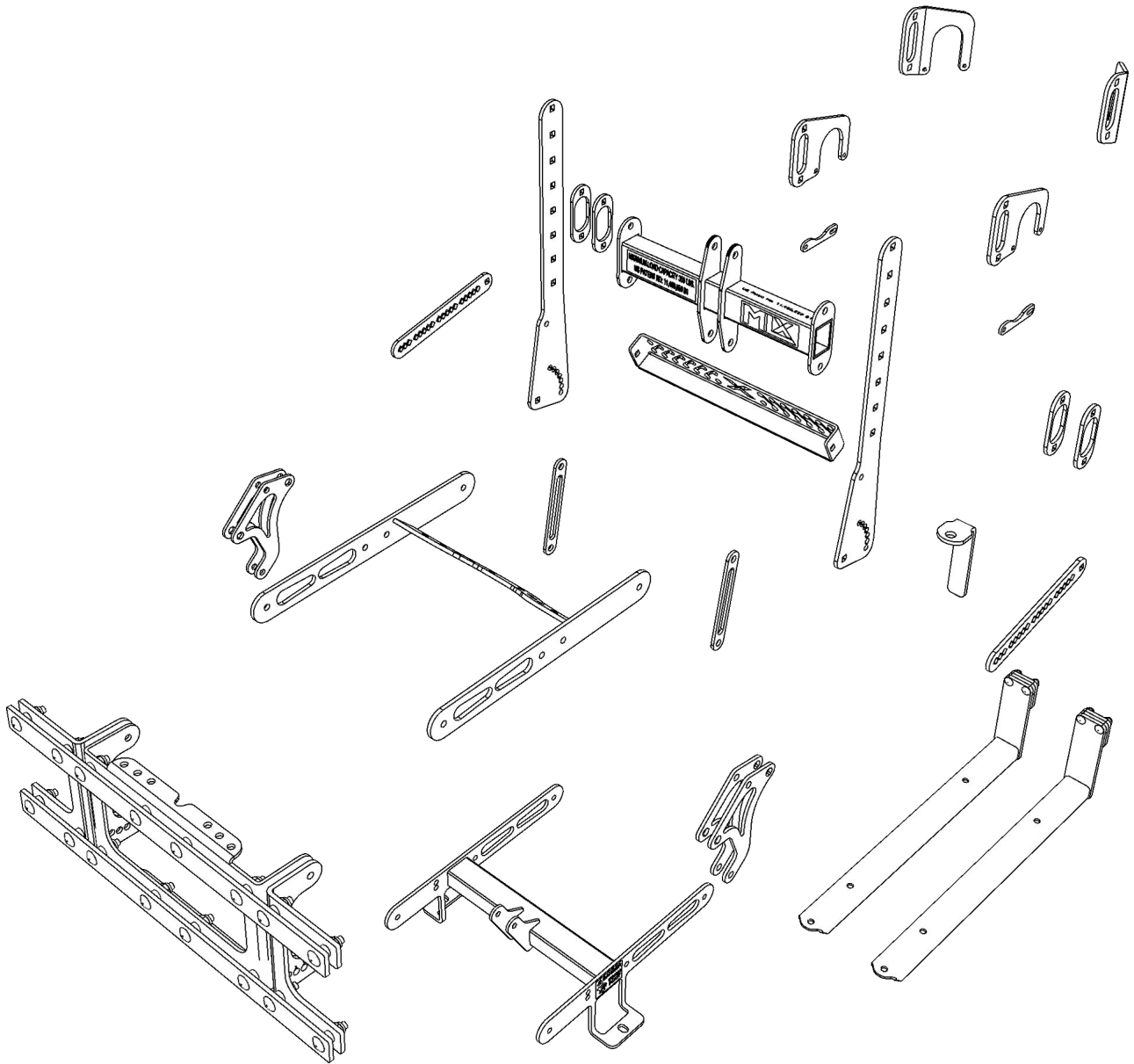
SAFETY & USAGE

- DO NOT climb on the MLX or any of its accessories. NEVER transport a person using the MLX or in or on any of the MLX accessories.
- Drive your UTV with caution after attaching the MLX, as UTV maneuverability, braking and stability may be affected, especially during transport of any load.
- Avoid steep slopes, uneven terrain and extremely rough ground, ditches, stumps and large rocks while the MLX and MLX accessories are being used. Never operate the MLX at excessive speeds, or when there is low visibility,
- If your UTV encounters a large object, stop and check the integrity of the MLX unit and employed accessories.
- Always operate your MLX under proper lighting conditions.
- All MLX accessories should be used in the proper manner for which they were designed.
- If the MLX, MLX accessories, or winch stop working, ONLY troubleshoot once the MLX and MLX accessories are removed from your UTV, when your UTV is turned off.
- The MLX must never be unattended while it is under load.

MAINTENANCE

- IMPORTANT: Do not oil or grease pivot points, as this will attract dirt that in turn will cause excessive wear.
- If any part of the MLX or its accessories breaks or appears to have deteriorated, do not use the MLX or accessory until it is replaced. Should you have questions, please contact a member of the MLX team through our website, www.modliftx.com/contact-us.
- Suggested means for cleaning include hosing with water or using an air compressor.
- Store the MLX and accessories in a dry place. If possible, store indoors.
- If the MLX is covered during storage, use a breathable fabric cover (not plastic).
- For scratched, chipped, or rusted surfaces, use touch-up powder coat paint or pen, available from major online retailers.
- ONLY use replacement parts provided by or sold by MLX or authorized MLX dealers.
- Be sure that all safety labels are legible. Clean them when necessary and replace any damaged labels as needed. If you need assistance with replacement safety labels, please reach out to the MLX team through our website, www.modliftx.com/contact-us
- Inobservance of these safety rules may cause great bodily injury or death.

ASSEMBLY INSTRUCTIONS



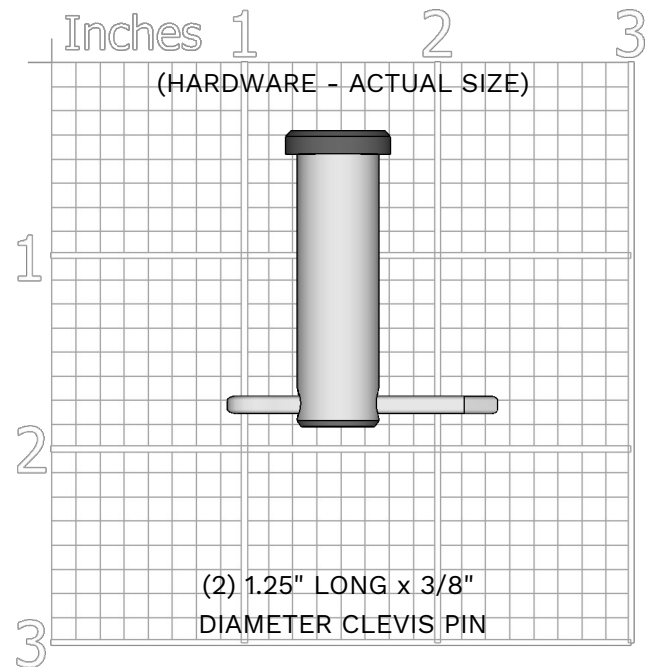
An Assembly Video is available at: <https://youtu.be/ngnAEdzeHKA>.

Additionally, because the MLX has adjustable components that enable it to adapt to most UTV brush guard/bumpers, there will be several portions in these Assembly Instructions where the part being assembled will need to be placed in different configurations for different UTVs. For example, a Polaris Ranger 1000XP needs the top hole of the Standard Mounting Hooks aligned with the 3rd hole of the Mast. But the Can Am Defender with the XT-P bumper uses the Offset Mounting Hooks and needs them to align with the 2nd hole of the Mast.

We have 3D scanned the following list of UTVs to ensure that they are compatible with the MLX. These adjustable configuration points will be indicated as "[_SEE LEGEND_]", with the Legend on the page showing which configuration is applicable to the listed UTVs. If your UTV is on the list, because your UTV could have had a different brush guard/bumper installed pre or post purchase, compared to what we have scanned and verified, you should go to <https://skfb.ly/oIStW> to to make sure that your UTV brush guard/bumper matches what we have 3D scanned. If your UTV is not listed below, or is listed but doesn't match what we have 3D scanned, please refer to the MLX Compatibility Guide (attached to this manual) before continuing with the assembly process.

BRAND	MODEL	ABBREVIATION IN LEGEND
American Landmaster	L4, L5, L7, & AMP	AMLAND
Arctic Cat	Prowler Pro	ARCAT
Can Am	Defender (XT Bumper)	CANAM XT
Can Am	Defender (XT-P Bumper)	CANAM XTP
Honda	Pioneer	HONDA
Intimidator	750 or 1000 ("Classic Bumper")	INTMDTR
John Deere	835m	JDEERE
Kawasaki	Mule (SX, Pro-FX, Pro-FXT)	MULE X
Kawasaki	Mule (4000 & 4010)	MULE
Kubota	RTX 900 Diesel	KUBOTA
Polaris	General 1000XP	POLGEN
Polaris	Ranger 1000XP	POLRANG
Tracker (Bass Pro)	800sx	TRACKER

- 1) Orient the CARRIAGE as shown below.
- 2) Then insert the front end of the UPPER ARM SET in between the SINGLE HOLE CARRIAGE RECEIVER PORTS.
- 3) Then insert, from the outside of the SINGLE HOLE CARRIAGE RECEIVER PORTS, two of 1.25" LONG x 3/8" DIAMETER CLEVIS PINS (one on each side). The CLEVIS PINS should go through the outside wing of the SINGLE HOLE CARRIAGE RECEIVER PORTS, then through the front end of the UPPER ARMS, then through the inside wing of the SINGLE HOLE CARRIAGE RECEIVER PORTS.
- 4) Finally, the COTTER PINS should be inserted into the CLEVIS PINS.



NOTE: Orient the CARRIAGE with the SIX HOLE CARRIAGE RECEIVER up as shown here.

CARRIAGE

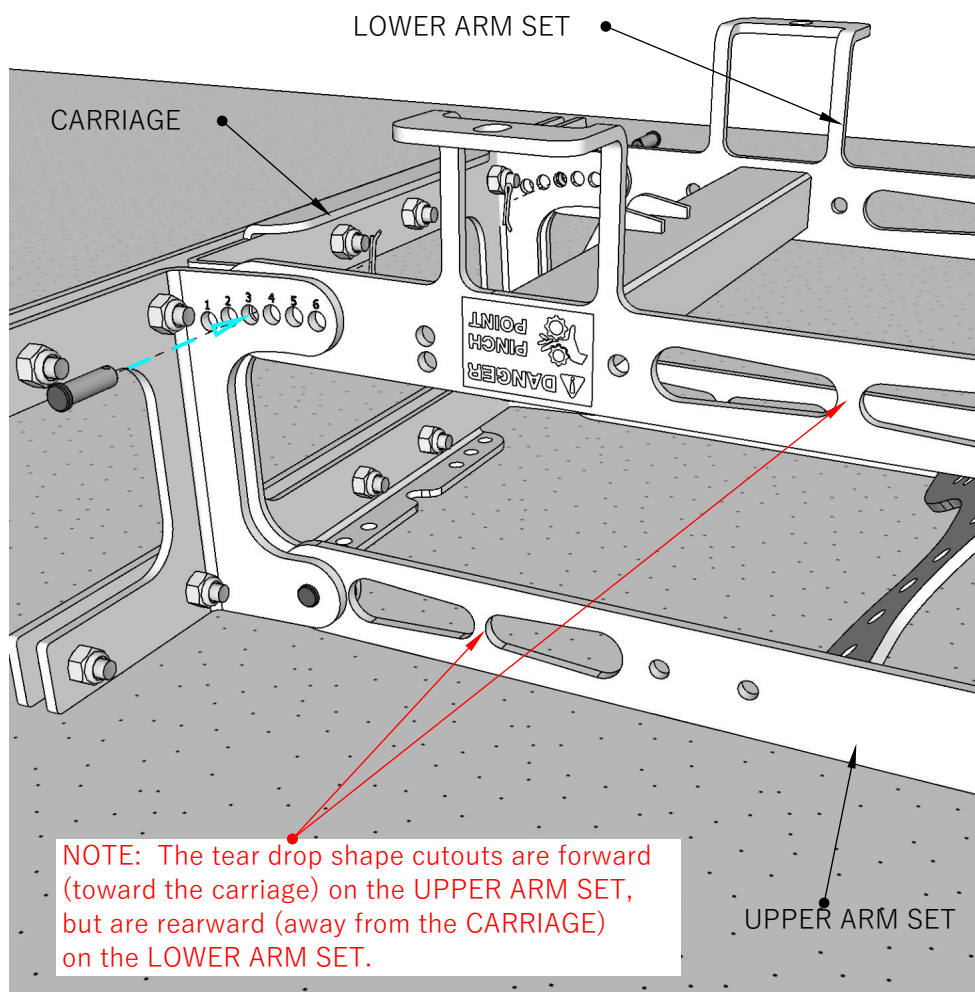
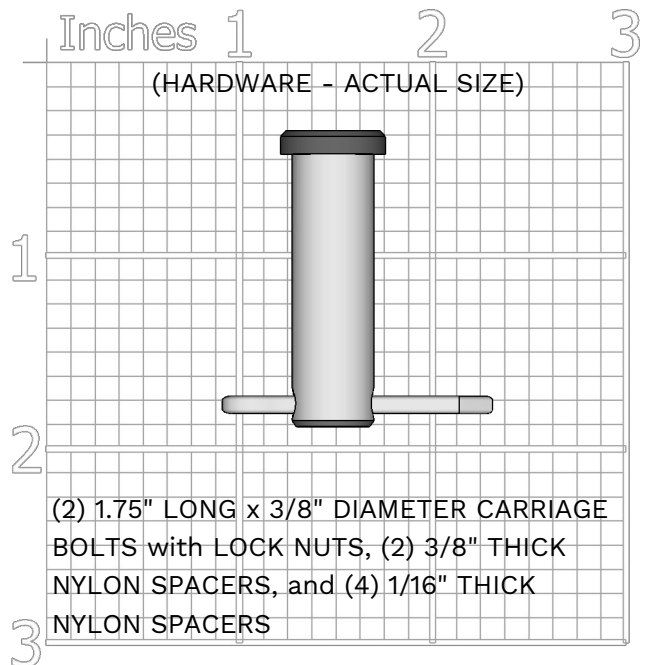
NOTE: The front of the UPPER ARM SET has two tear drop shape cutouts.

UPPER ARM SET

SINGLE HOLE CARRIAGE RECEIVER PORT

NOTE: The UPPER ARM SET crossbar should be pointing upward and away from the CARRIAGE as shown here.

- 1) Insert the front end of the LOWER ARM SET in between the SIX HOLE CARRIAGE RECEIVER PORTS.
- 2) Then insert, from the outside of the SIX HOLE CARRIAGE RECEIVER PORTS, two of 1.25" LONG x 3/8" DIAMETER CLEVIS PINS (one on each side). The CLEVIS PINS should go through the [_SEE LEGEND_] hole of the SIX HOLE CARRIAGE RECEIVER PORTS, then through the front end of the LOWER ARM SET, then through the inside of the SIX HOLE CARRIAGE RECEIVER PORTS (again through the 3rd hole).
- 3) Finally, the COTTER PINS should be inserted into the CLEVIS PINS.

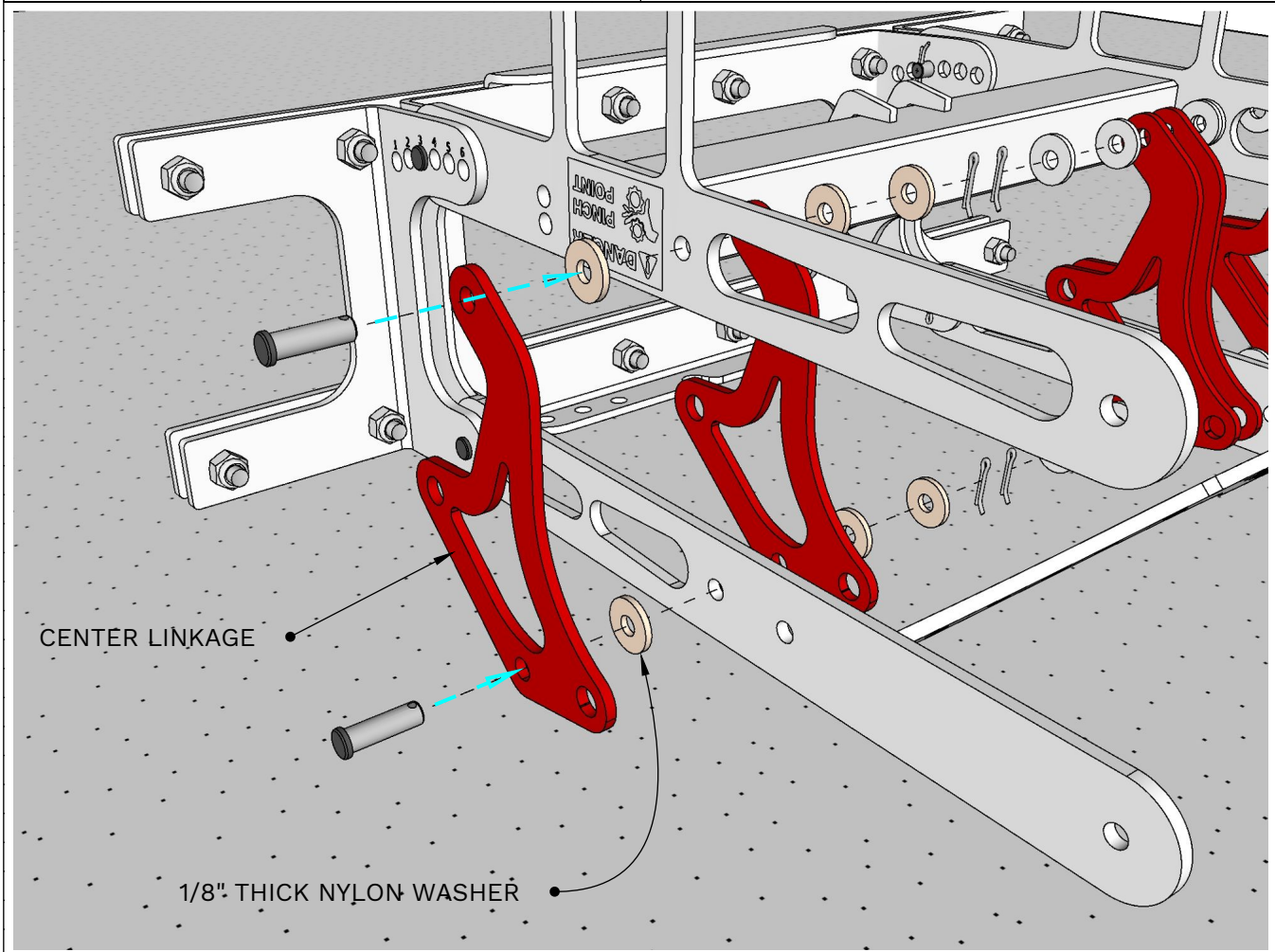
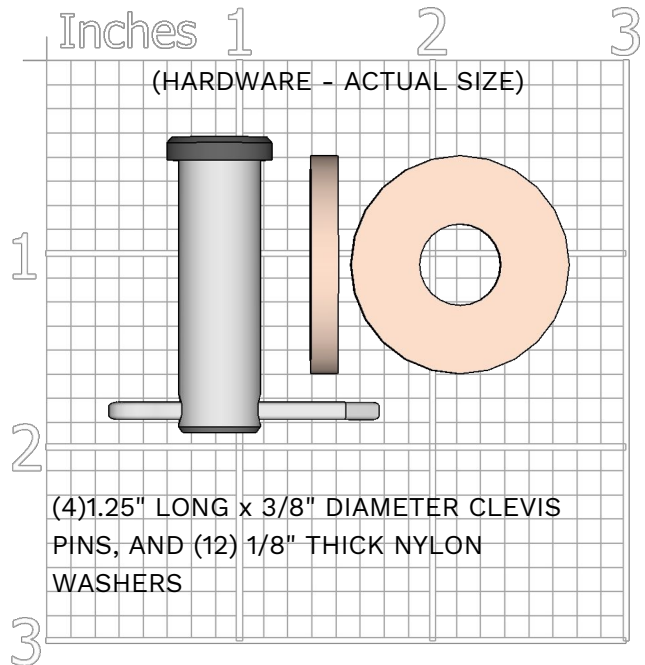


LEGEND

UTV	6 HOLE #
AMLAND	3
ARCAT	3
CANAM XT	5
CANAM XTP	5
HONDA	3
INTMDTR	3
JDEERE	3
MULE X	3
MULE	4
KUBOTA	3
POLGEN	3
POLRANG	3
TRACKER	3

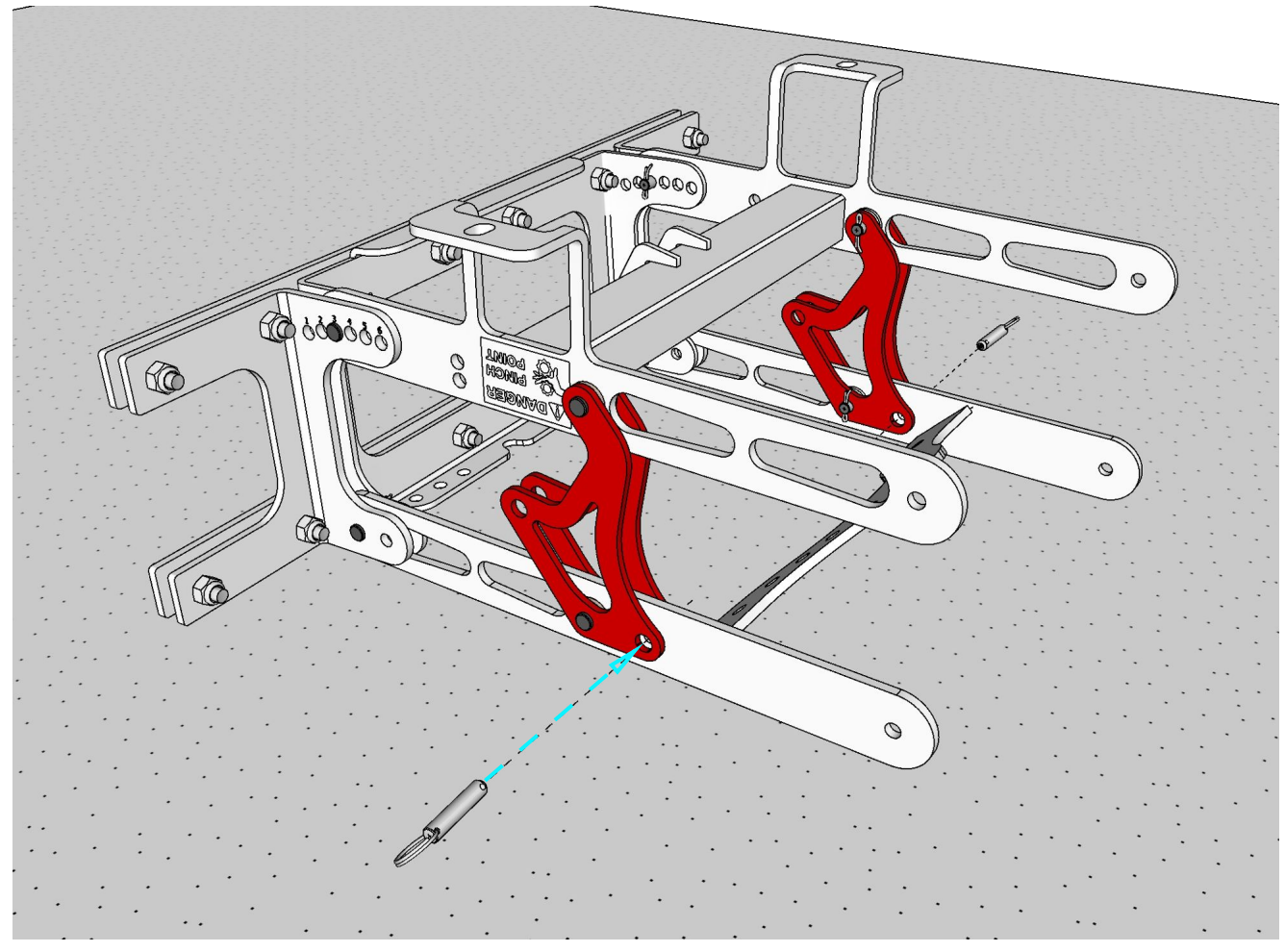
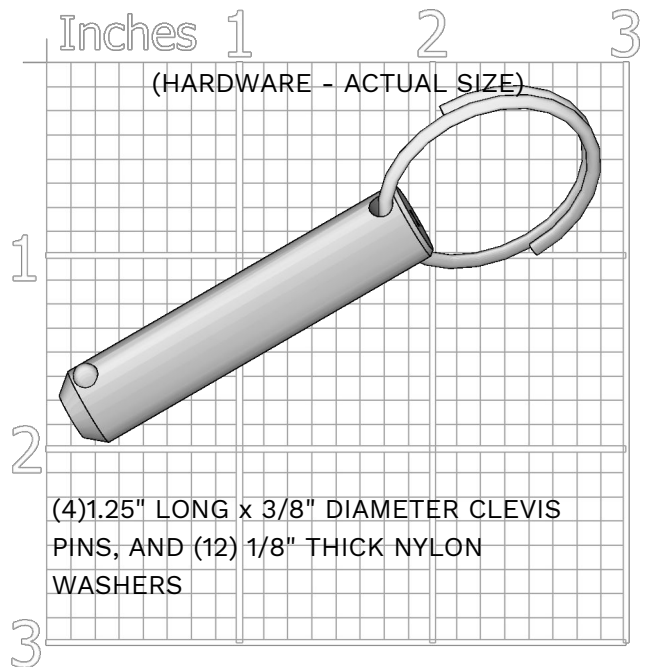
NOTE:

- 1) Insert, from the outside of the LOWER ARM SET, one of the 1.25" Long x 3/8" DIAMETER CLEVIS PINS. The CLEVIS PIN should go through a CENTER LINKAGE, then through a 1/8" THICK NYLON WASHER, then through the LOWER ARM SET CENTER HOLE, then through TWO of the 1/8" THICK NYLON WASHERS, then through another CENTER LINKAGE, then insert the COTTER PIN.
- 2) This should be then be repeated for the UPPER ARM SET on the same side.
- 3) Then repeat both of the above steps on the other side of the MLX unit.

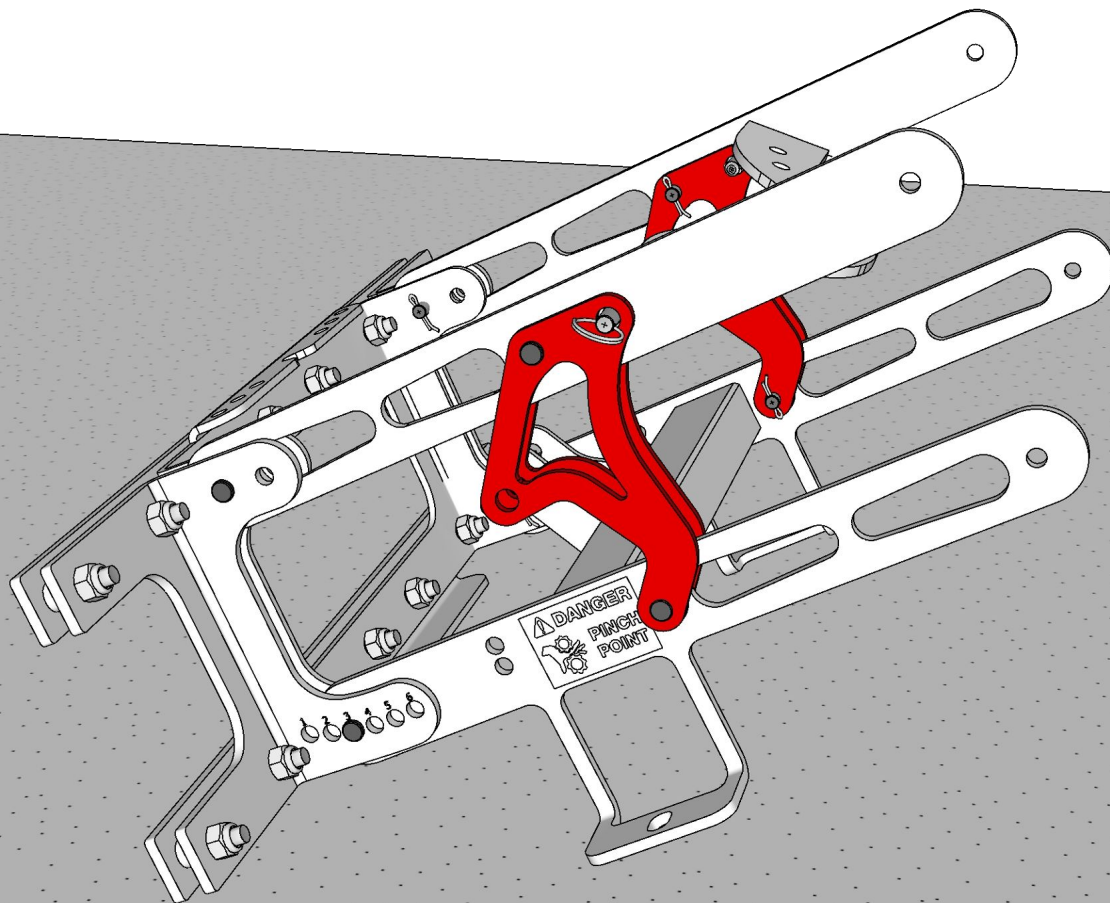


- 1) Insert the (2) 1.75" LONG x 3/8" DIAMETER DETENT PINS through the CENTER LINKAGES as shown below. These are your TRANSPORT SAFETY PINS and they prevent the MLX from rotating on its axes whether under load or not.

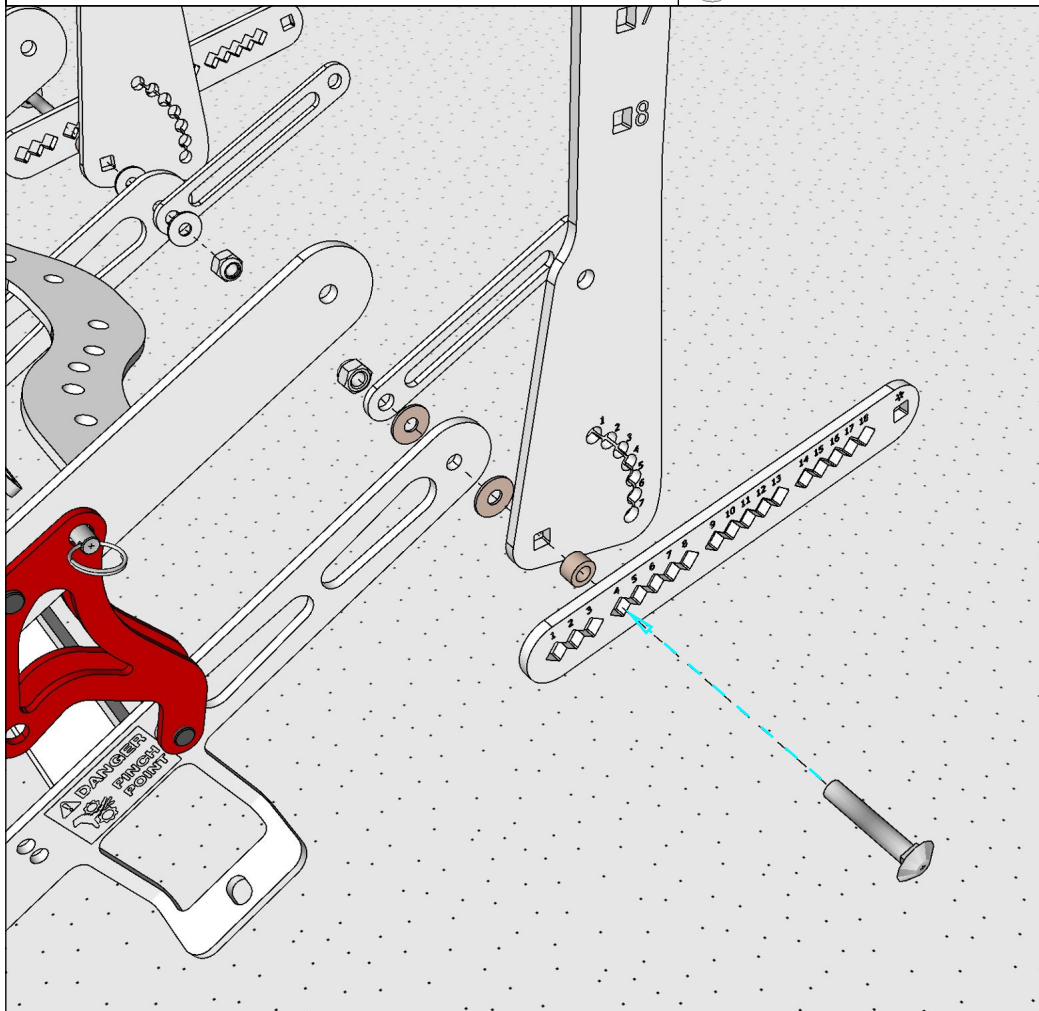
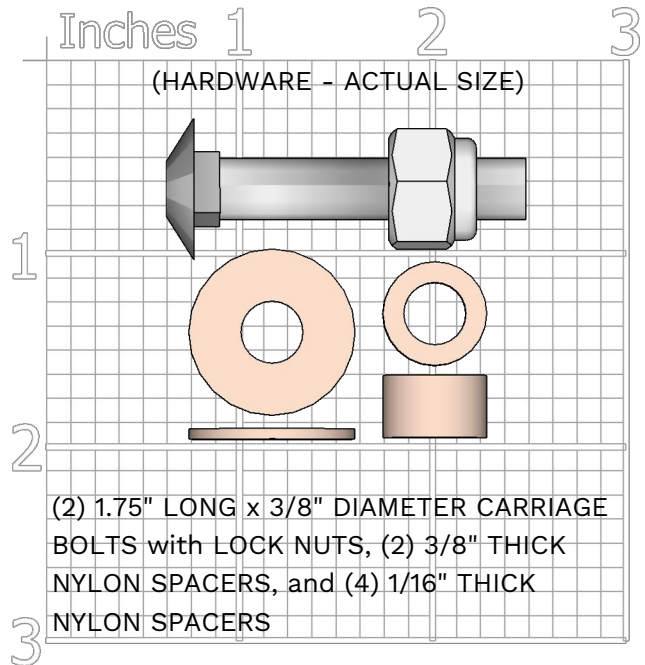
THESE SHOULD ALWAYS BE USED WHEN YOUR UTV IS IN MOTION.



Before moving further, flip the MLX over as shown below.



- 1) On each side, insert a 1.75" LONG x 3/8" DIAMETER CARRIAGE BOLT into the [_SEE LEGEND_] hole of the STOP BAR ARM; then through a 3/8" THICK NYLON SPACER, then through front bottom hole of a MAST, then through a 1/16" THICK NYLON SPACER, then through the LOWER ARM SET, then through another 1/16" THICK NYLON SPACER, then through an REAR ARM BRACE, and finally affix the LOCK NUT.
- 2) Then repeat these steps on the opposing side.

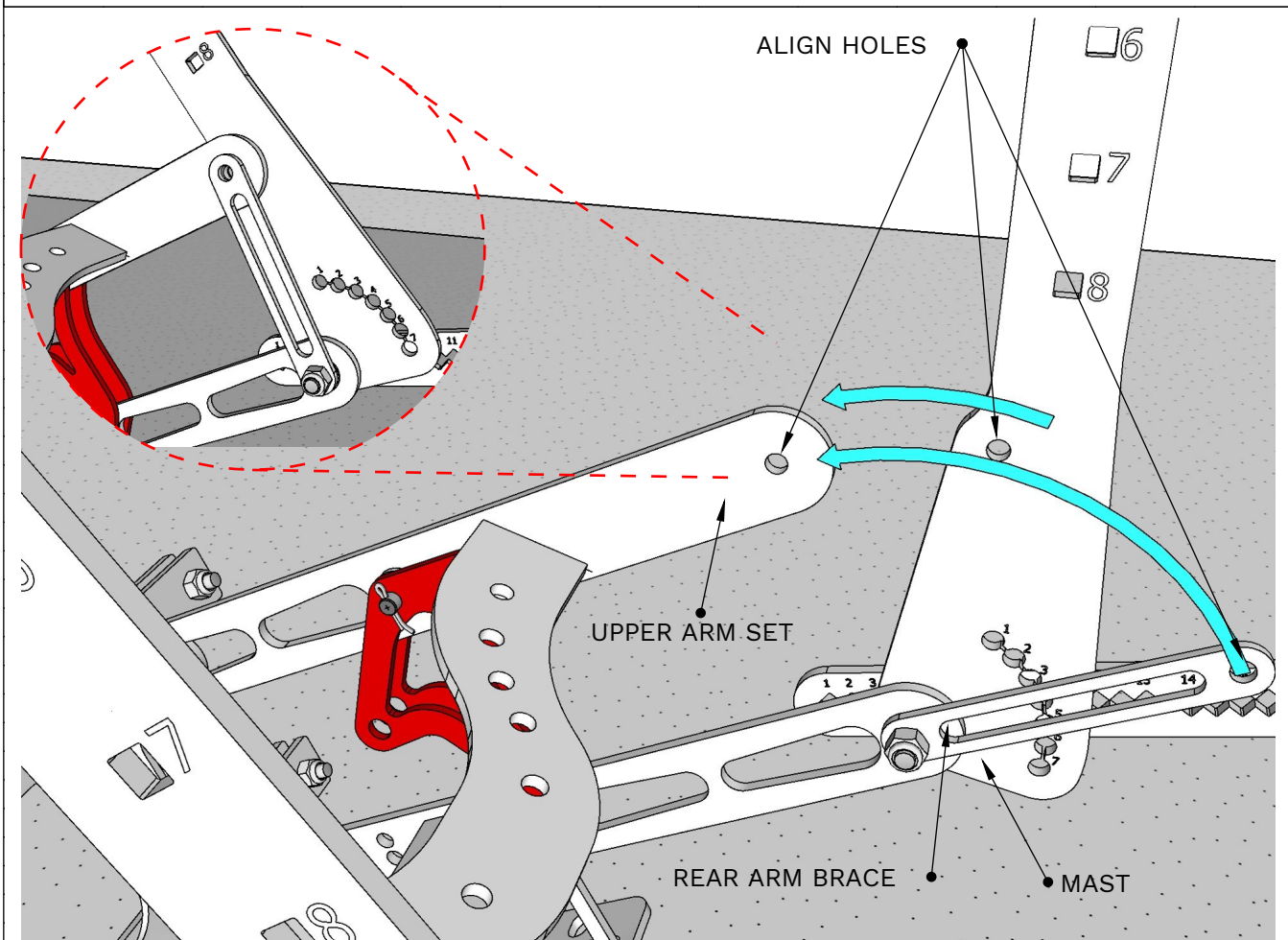


LEGEND

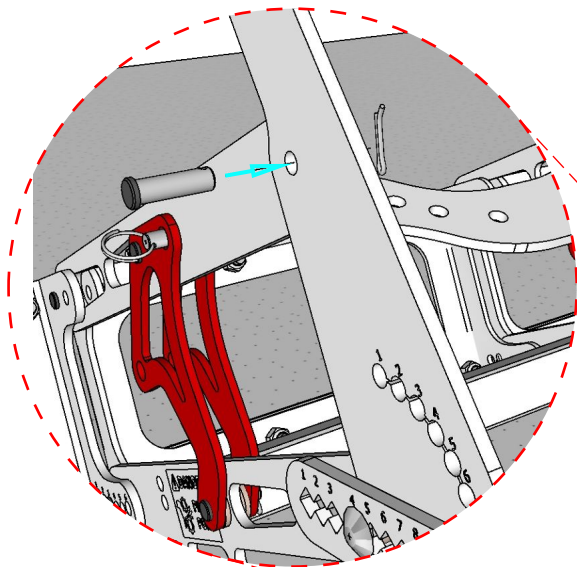
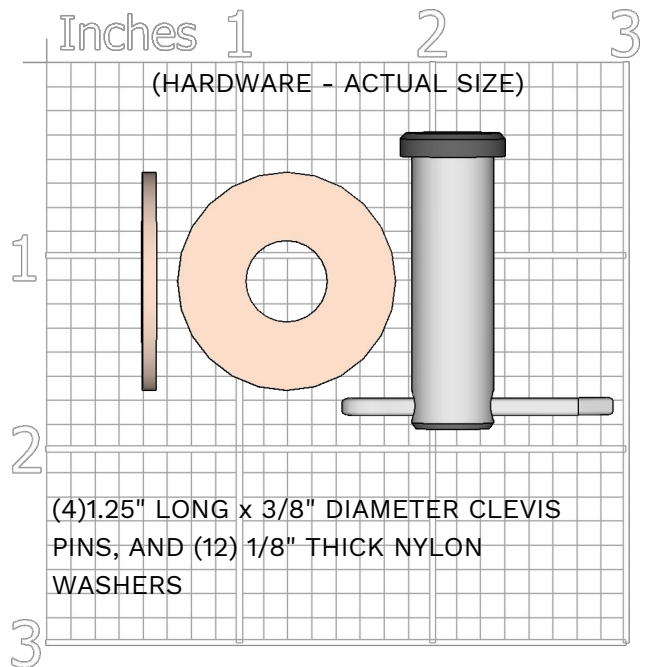
UTV	STOP BAR ARM FRONT HOLE #
AMLAND	1
ARCAT	N/A
CANAM XT	1
CANAM XTP	1
HONDA	1
INTMDTR	4
JDEERE	1
MULE X	8
MULE	1
KUBOTA	9
POLGEN	6
POLRANG	3
TRACKER	N/A

NOTE: ARCAT AND TRACKER DON'T USE THE STOP BAR ARMS AND STOP BAR. ON THIS STEP, SIMPLY THREAD THE CARRIAGE BOLT THROUGH THE MAST FIRST, AND DISCARD THE STOP BAR ARM AND 3/8" SPACER.

Rotate the REAR ARM BRACE and the MAST so that both align with the rear hole of the UPPER ARM SET.

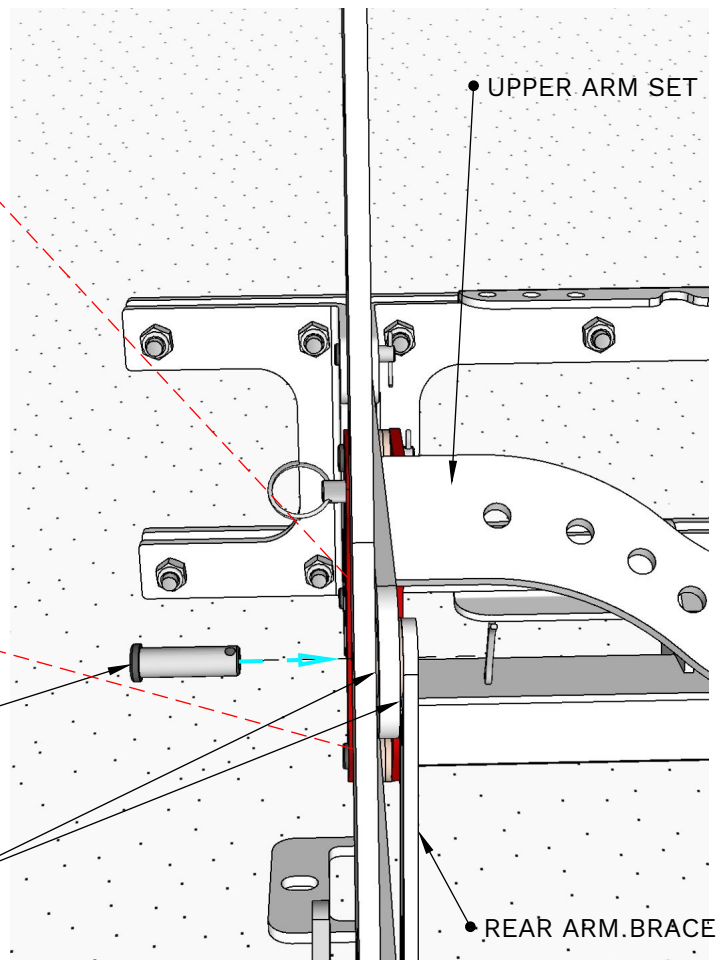


- 1) Run the 1.25" LONG x 3/8" DIAMETER CLEVIS PIN through the upper front hole of the MAST, then through a 1/16" THICK NYLON SPACER, then through the UPPER ARM, then through another 1/16" THICK NYLON SPACER, then through the REAR ARM BRACE, and then insert the COTTER PIN.
- 2) Repeat this step on the other side.

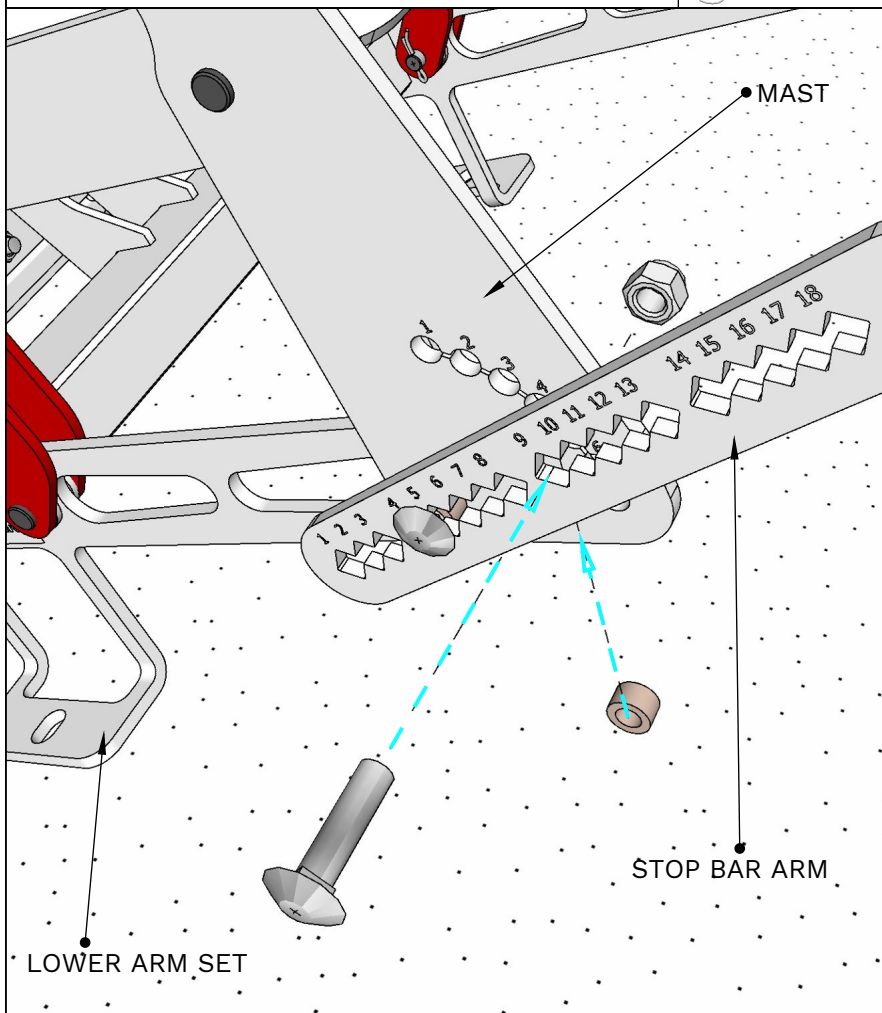
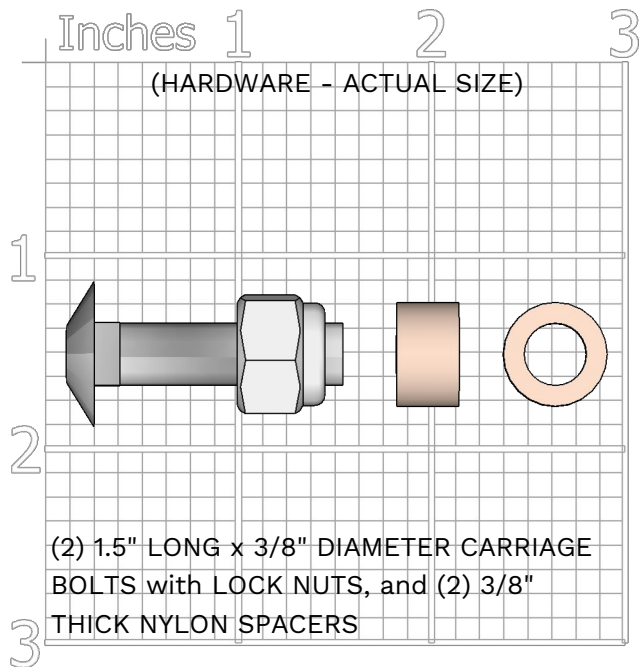


CLEVIS PIN

1/16" THICK
NYLON SPACERS



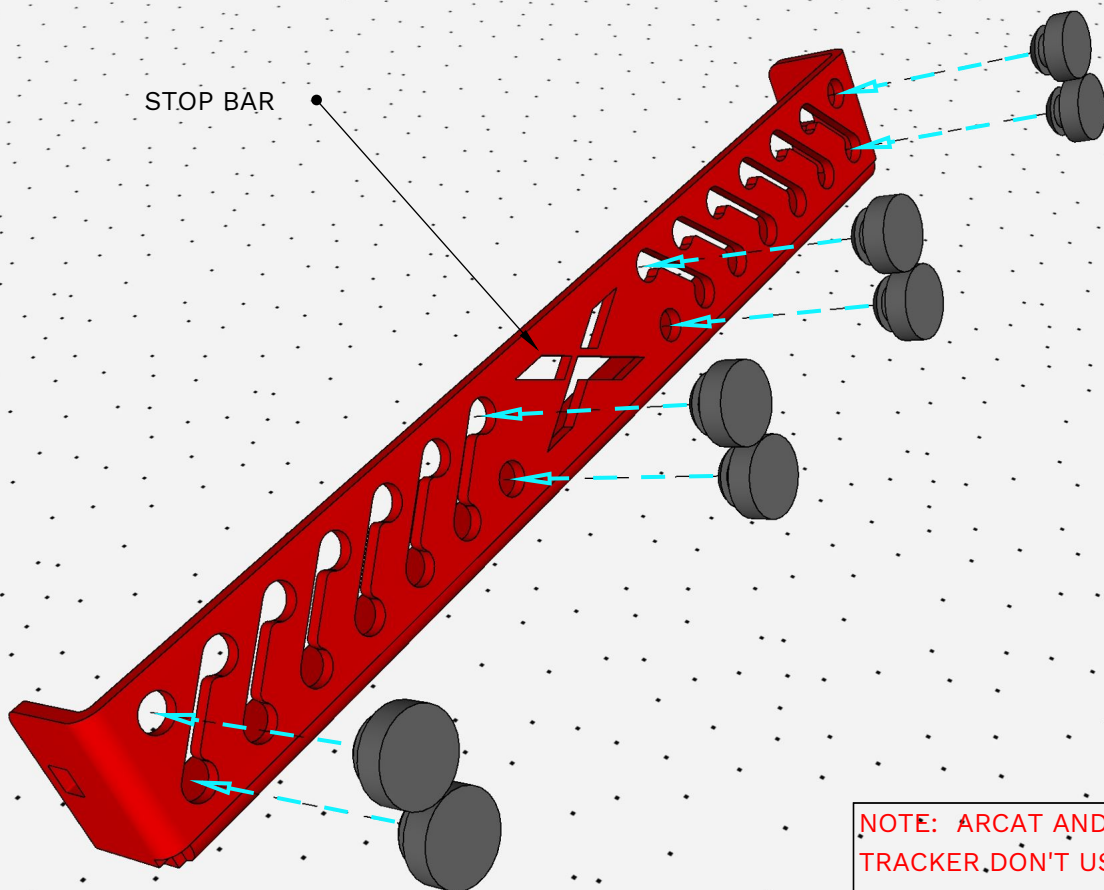
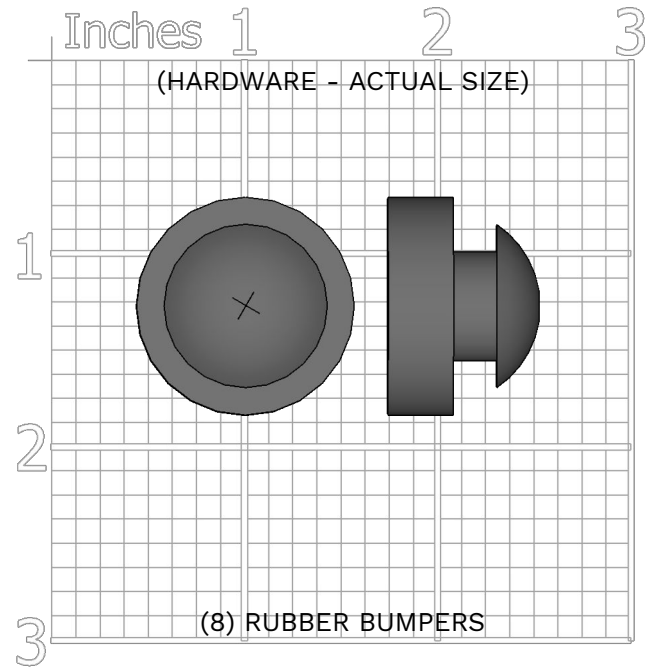
- 1) Rotate the STOP BAR ARMS so that the [__SEE LEGEND COLUMN 1__] hole of the STOP BAR ARMS aligns with the [__SEE LEGEND COLUMN 2__] hole of the STOP BAR ARM adjustment of the MAST.
- 2) Insert the 1.5" LONG x 3/8" DIAMETER CARRIAGE BOLT into the [__SEE LEGEND COLUMN 1__] hole of the STOP BAR ARM; then through the 3/8" THICK NYLON SPACER; then through [__SEE LEGEND COLUMN 2__] hole of the MAST's STOP BAR ARM adjustment; then thread on the LOCK NUT.
- 3) Then repeat these steps on the opposing side



LEGEND		
UTV	STOP BAR ARM REAR HOLE #	STOP BAR ROTATION #
AMLAND	6	7
ARCAT	N/A	N/A
CANAM XT	6	5
CANAM XTP	6	5
HONDA	6	3
INTMDTR	9	7
JDEERE	6	6
MULE X	13	7
MULE	6	5
KUBOTA	14	6
POLGEN	11	3
POLRANG	8	5
TRACKER	N/A	N/A

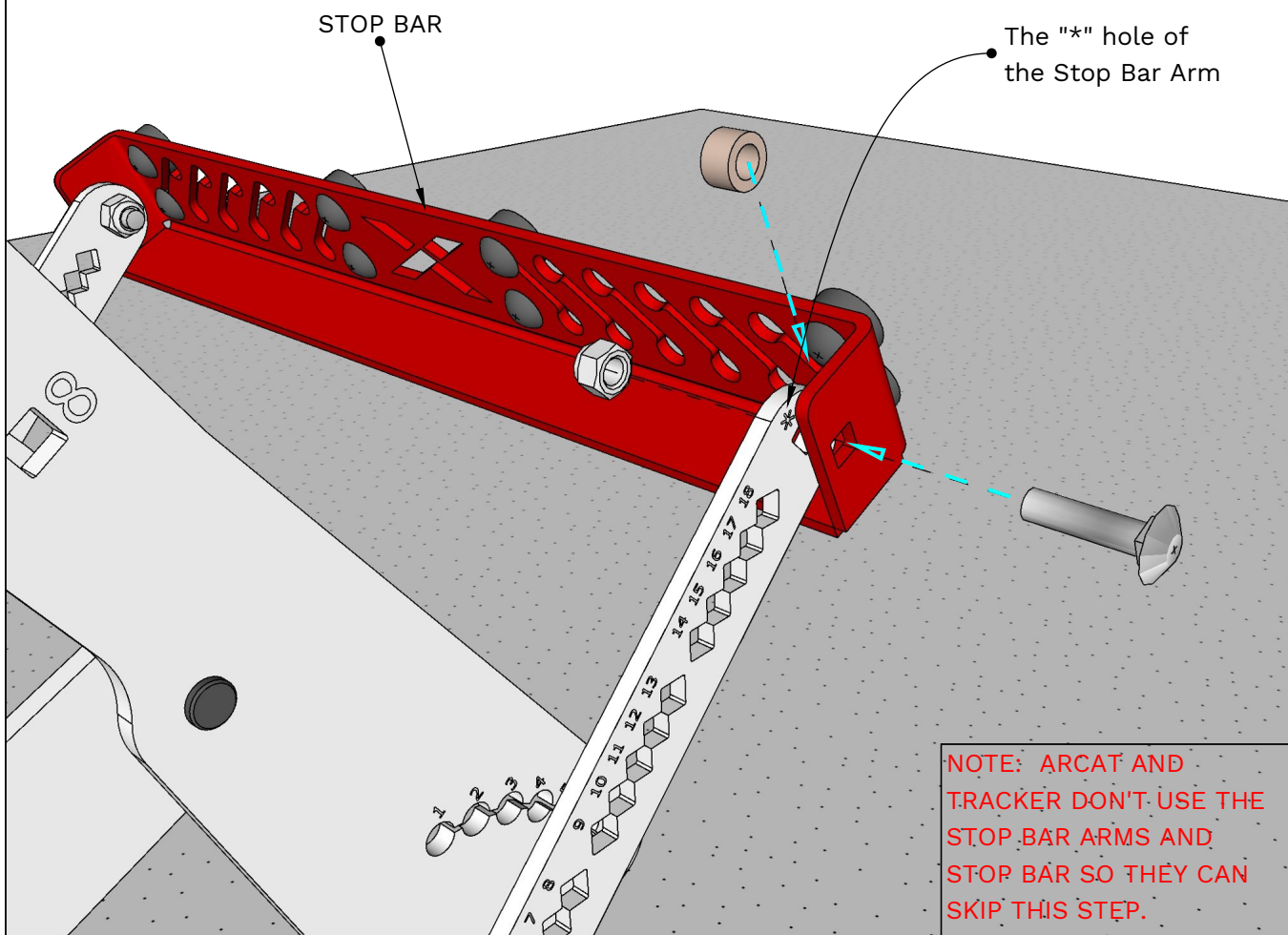
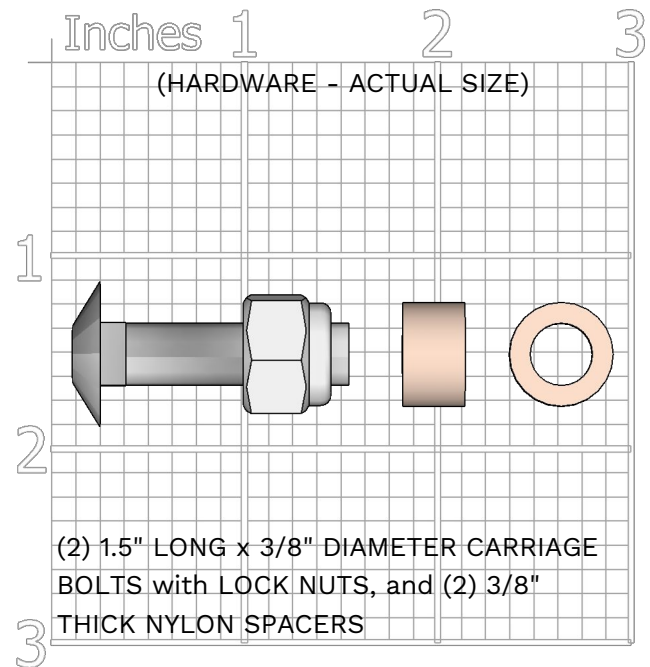
NOTE: ARCAT AND TRACKER DON'T USE THE STOP BAR ARMS AND STOP BAR SO THEY CAN SKIP THIS STEP.

- 1) The RUBBER BUMPERS are meant to fit tightly in the holes on the STOP BAR, so they can be difficult to insert.
- 2) A quick shot of WD40 can help work the RUBBER BUMPERS into the STOP BAR holes.
- 3) Insert (2) RUBBER BUMPERS into the outside holes on each side of the STOP BAR; then (2) on either side of the " X " in the center of the STOP BAR.
- 4) You can adjust the bumpers to other positions later if needed to accommodate your UTV.

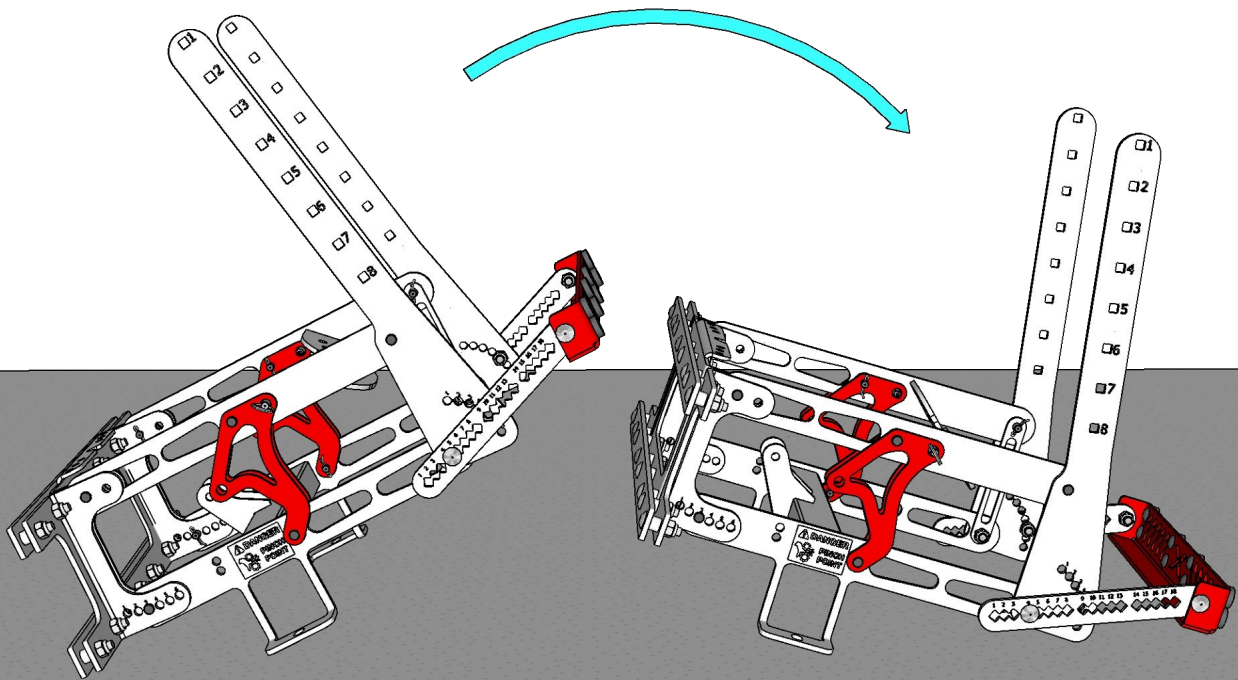


NOTE: ARCAT AND TRACKER DON'T USE THE STOP BAR ARMS AND STOP BAR SO THEY CAN SKIP THIS STEP.

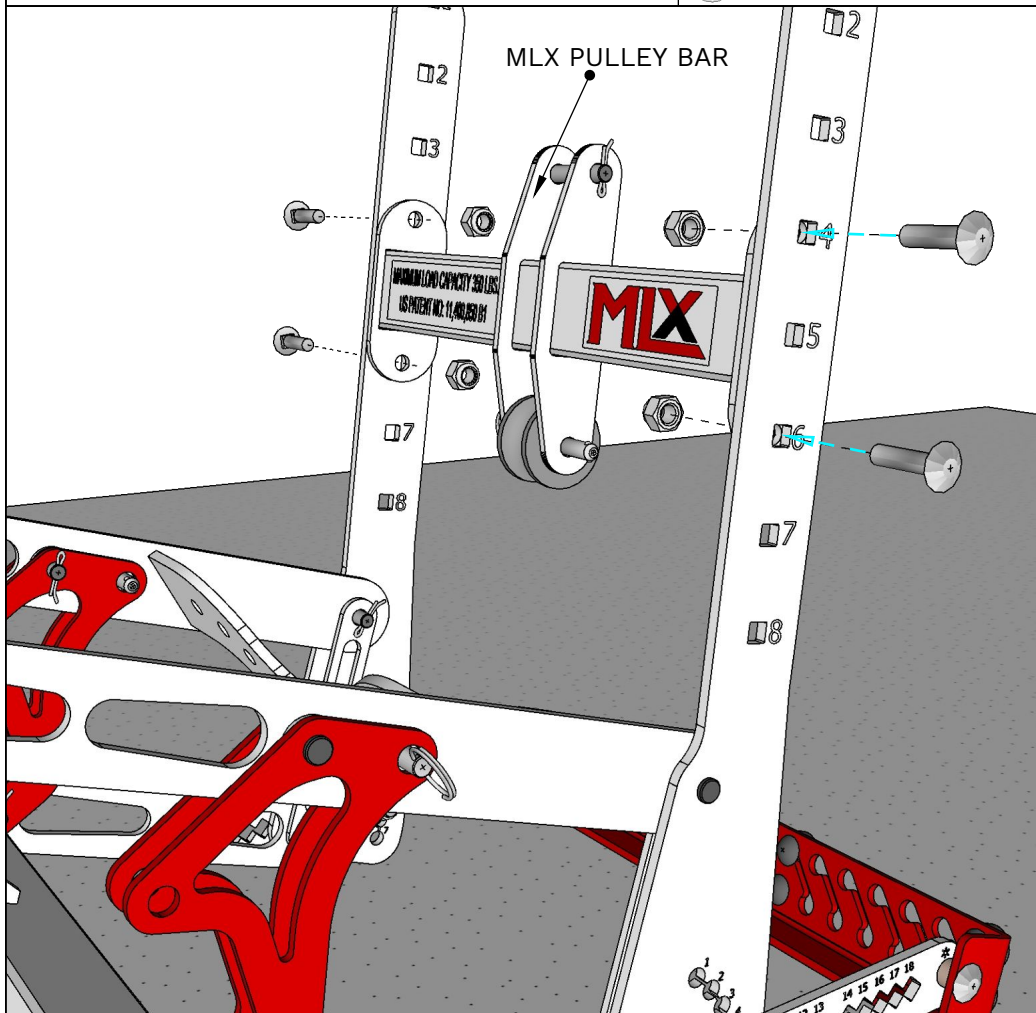
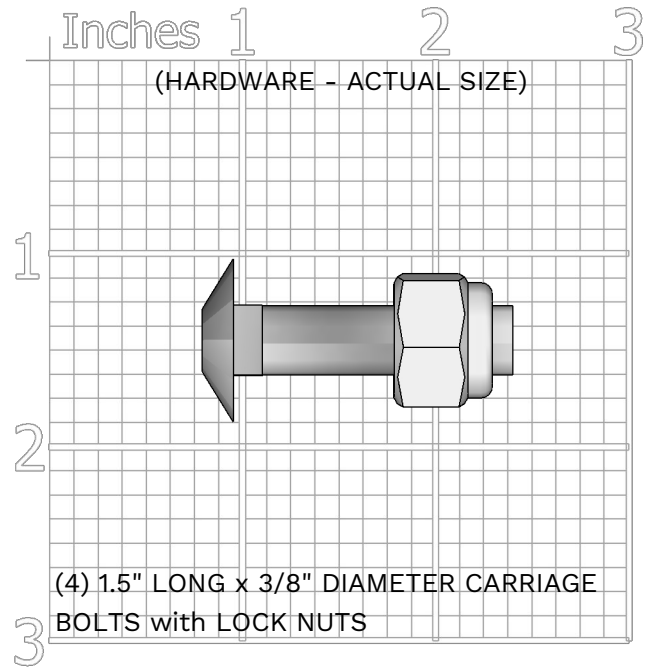
- 1) Insert the 1.5" LONG x 3/8" DIAMETER CARRIAGE BOLT into the STOP BAR; then through the 3/8" THICK NYLON SPACER; then through the " * " hole of the STOP BAR ARM; then thread on the LOCK NUT.
- 2) Then repeat these steps on the opposing side.



Now tip the MLX back so that it is resting on the STOP BAR ARM.

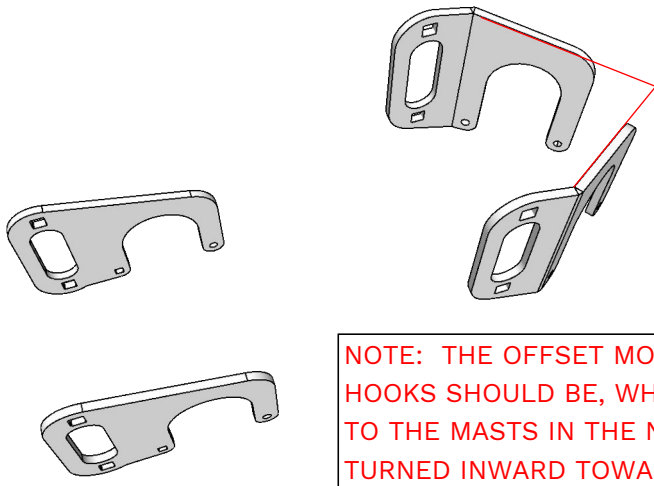


- 1) Align the MLX PULLEY BAR top hole with the [__SEE LEGEND__] hole of the MAST.
- 2) Then loosely tighten the MLX PULLEY BAR to the MAST using the (4) 1.5" LONG x 3/8" DIAMETER CARRIAGE BOLTS with LOCK NUTS.



LEGEND	
UTV	MLX PULLEY BAR / MAST
AMLAND	6
ARCAT	6
CANAM XT	5
CANAM XTP	3
HONDA	5
INTMDTR	6
JDEERE	5
MULE X	6
MULE	6
KUBOTA	6
POLGEN	6
POLRANG	5
TRACKER	6

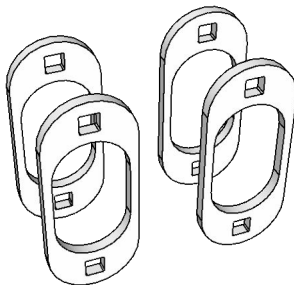
We will next be installing the mounting hooks. There are two kinds of mountings hooks; STANDARD and OFFSET. Pick up the [__SEE LEGEND__] MOUNTING HOOKS.



NOTE: THE OFFSET MOUNTING HOOKS SHOULD BE, WHEN AFFIXED TO THE MASTS IN THE NEXT STEP, TURNED INWARD TOWARD EACH OTHER AS SHOWN ABOVE.

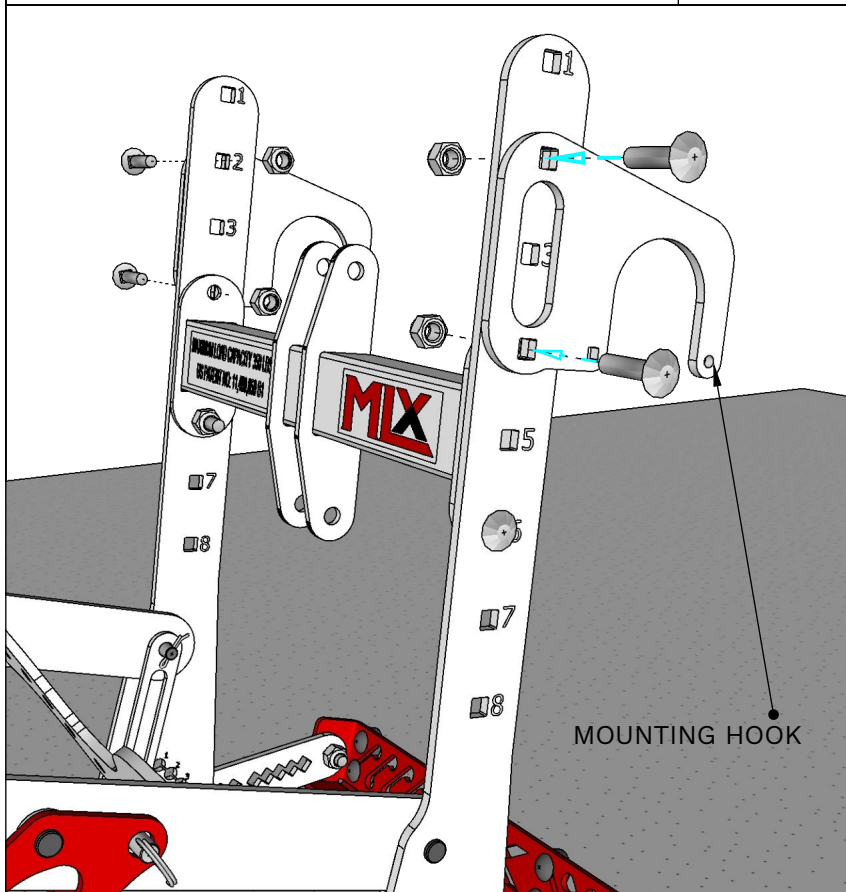
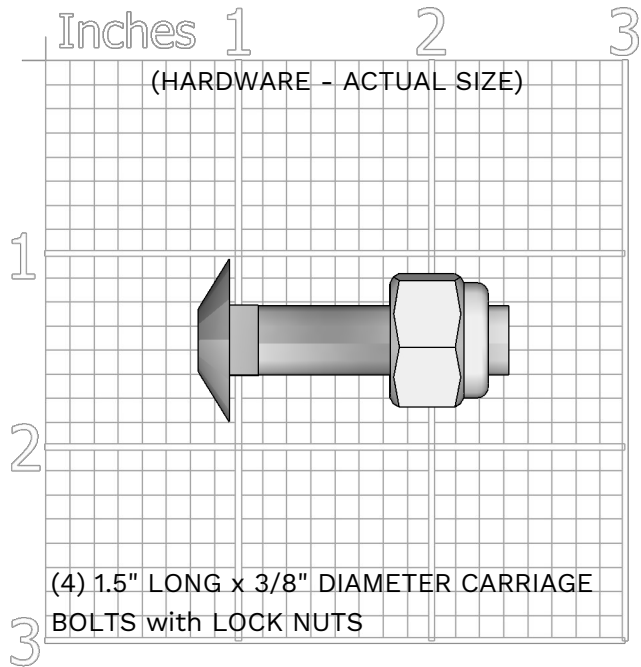
LEGEND	
UTV	MOUNTING HOOK STYLE
AMLAND	STANDARD
ARCAT	STANDARD
CANAM XT	STANDARD
CANAM XTP	OFFSET
HONDA	STANDARD
INTMDTR	STANDARD
JDEERE	STANDARD
MULE X	STANDARD
MULE	STANDARD
KUBOTA	STANDARD
POLGEN	STANDARD
POLRANG	STANDARD
TRACKER	STANDARD

The MLX also ships with (4) MOUNTING HOOK SPACERS. These allow for offsetting the mounting hooks farther to the inside or outside of the MASTS. Pick up [__SEE LEGEND__] of the MOUNTING HOOK SPACERS.



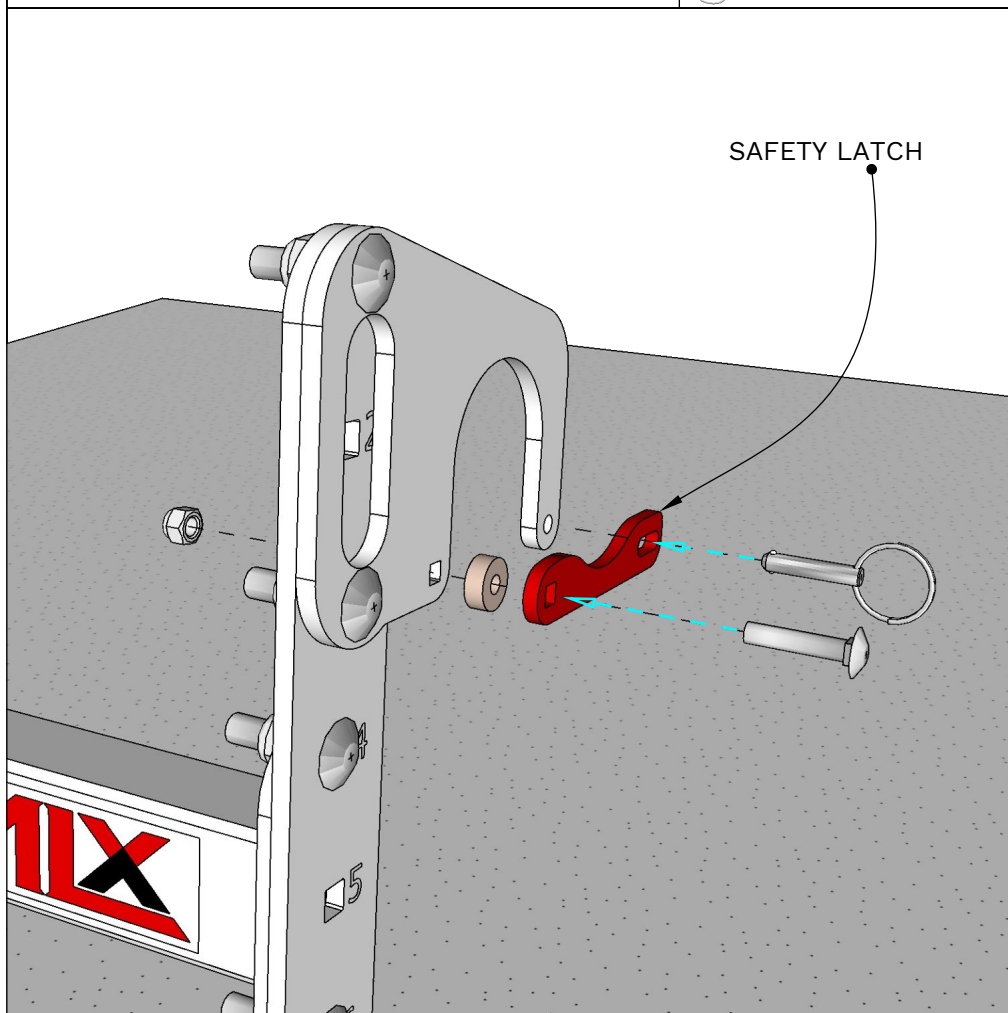
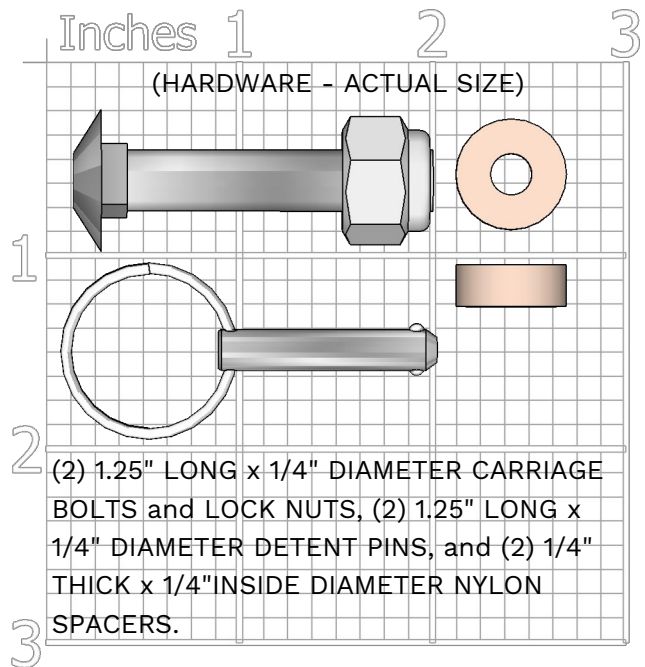
LEGEND	
UTV	SPACERS NEEDED PER SIDE
AMLAND	0
ARCAT	0
CANAM XT	2
CANAM XTP	0
HONDA	2
INTMDTR	0
JDEERE	0
MULE X	0
MULE	0
KUBOTA	0
POLGEN	0
POLRANG	0
TRACKER	0

- 1) The MOUNTING HOOKS should be on the [SEE LEGEND COLUMN 1] of the MASTS.
- 2) Align the MOUNTING HOOKS top hole with [SEE LEGEND COLUMN 2] hole of the MAST.
- 3) If applicable, insert the MOUNTING HOOK SPACERS between the MOUNTING HOOKS and the MASTS.
- 4) Like the illustration below, this may result in the MOUNTING HOOKS holes also aligning with one or more of the MLX PULLEY BAR holes; that's why you left them loose in STEP 12.
- 5) Once you have the MOUNTING HOOKS aligned with the MASTS (and the MLX PULLEY BAR if applicable), tighten them down with the (4) 1.5" LONG x 3/8" DIAMETER CARRIAGE BOLTS with LOCK NUTS.



LEGEND		
UTV	MOUNTING HOOK INSIDE / OUTSIDE OF MAST	MOUNTING HOOK / MAST
AMLAND	OUTSIDE	3
ARCAT	OUTSIDE	3
CANAM XT	OUTSIDE	2
CANAM XTP	OUTSIDE	2
HONDA	INSIDE	2
INTMDTR	OUTSIDE	6
JDEERE	OUTSIDE	4
MULE X	OUTSIDE	4
MULE	OUTSIDE	2
KUBOTA	OUTSIDE	4
POLGEN	OUTSIDE	2
POLRANG	OUTSIDE	3
TRACKER	OUTSIDE	3

- 1) Place the SAFETY LATCH on the [__SEE LEGEND__] of the MOUNTING HOOK.
- 2) Insert a 1.25" LONG x 1/4" DIAMETER CARRIAGE BOLT into the SAFETY LATCH; then through the 1/4" THICK x 1/4" INSIDE DIAMETER NYLON SPACER; then through a MOUNTING HOOK, and then thread on a LOCK NUT.
- 3) To close the SAFETY LATCH, insert a 1.25" LONG x 1/4" DIAMETER DETENT PIN through the SAFETY LATCH and the MOUNTING HOOK as shown below.
- 4) Repeat these steps on the other side.

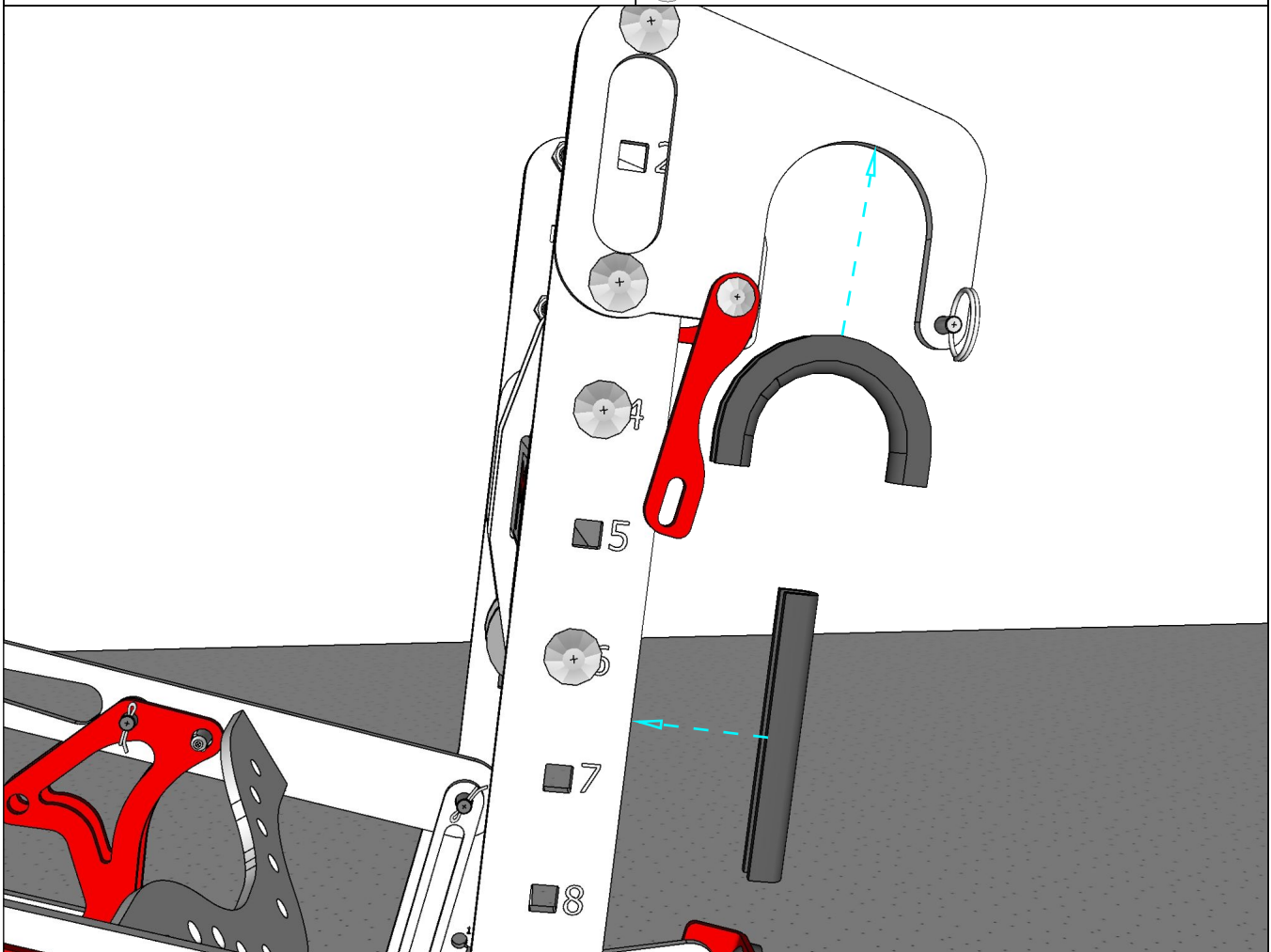
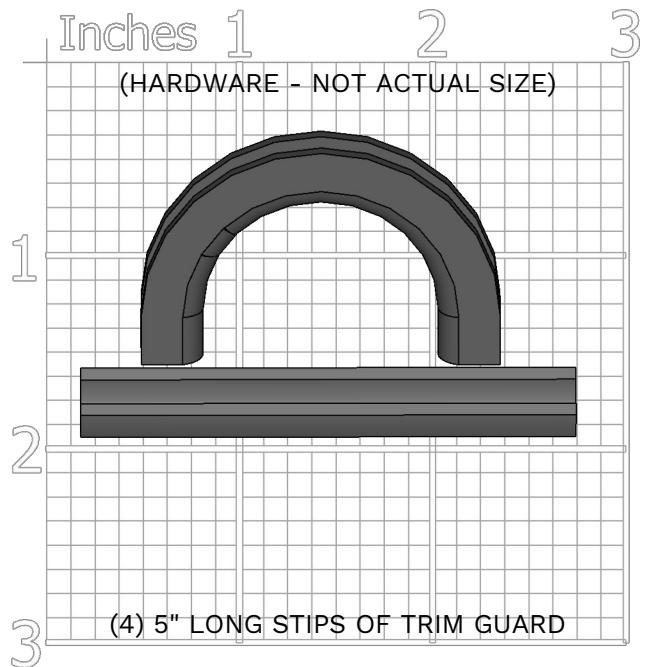


LEGEND

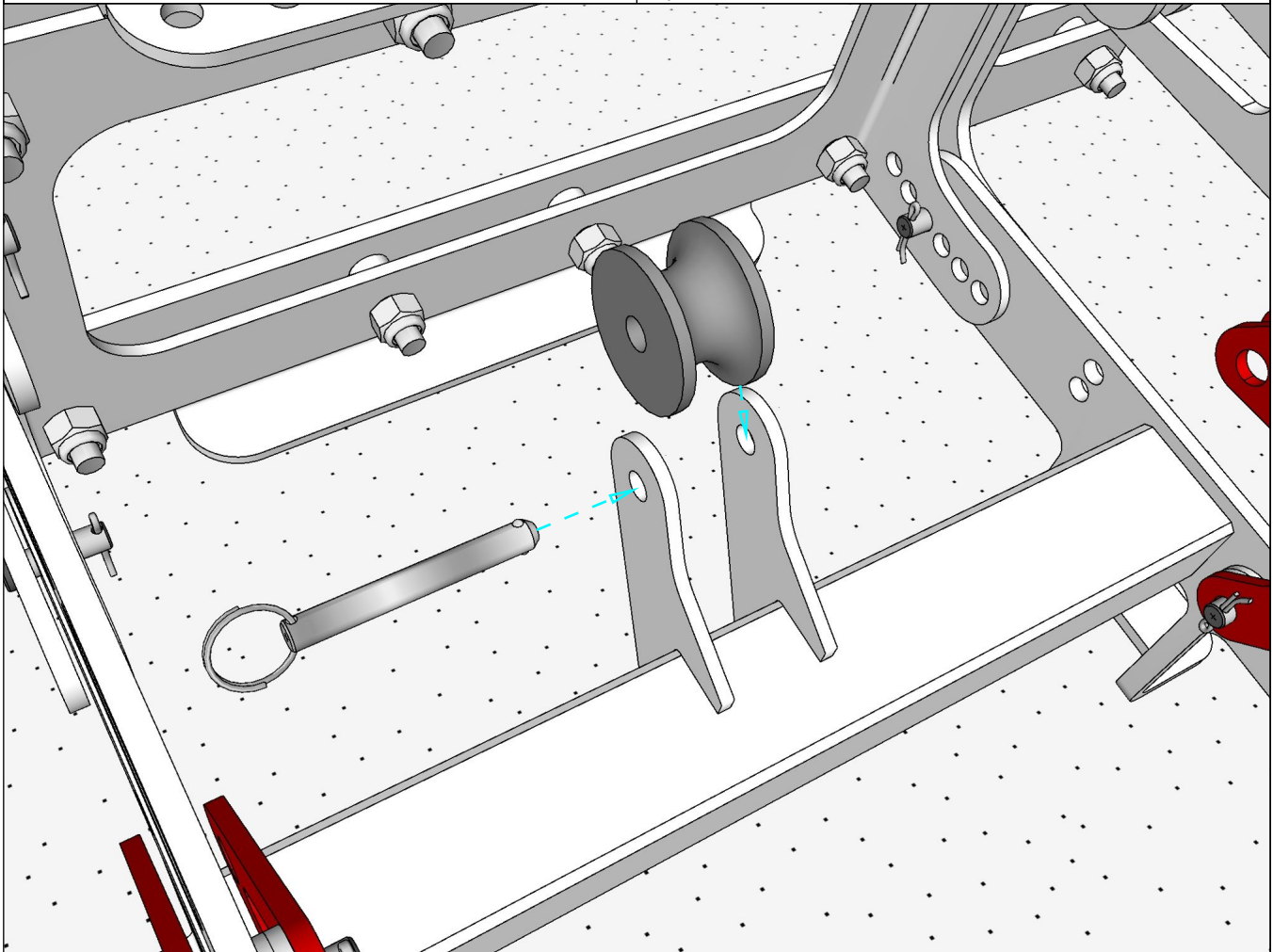
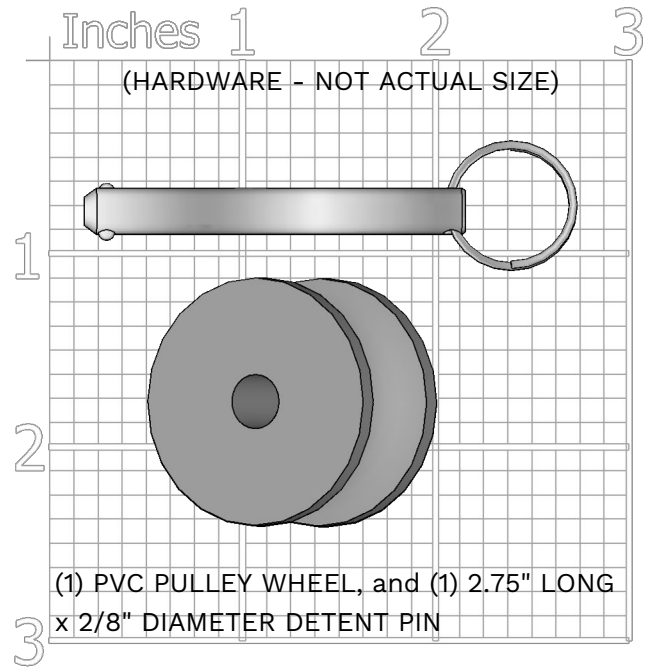
UTV	SAFETY LATCH INSIDE / OUTSIDE OF MOUNTING HOOK
AMLAND	OUTSIDE
ARCAT	OUTSIDE
CANAM XT	INSIDE
CANAM XTP	INSIDE
HONDA	OUTSIDE
INTMDTR	OUTSIDE
JDEERE	OUTSIDE
MULE X	OUTSIDE
MULE	OUTSIDE
KUBOTA	OUTSIDE
POLGEN	OUTSIDE
POLRANG	OUTSIDE
TRACKER	OUTSIDE

- 1) Bend one piece of the 5" LONG TRIM GUARD into a half circle. Insert it into the arch of the MOUNTING HOOK.
- 2) Leave the other piece straight and attach it to the back of the MAST. Except for certain UTV models, this is simply a place to keep a backup piece of TRIM GUARD for the MOUNTING HOOK.
- 3) Repeat these steps on the opposing side.

NOTE: These pieces of TRIM GUARD are wear parts, meaning that they are expected to and will wear out.



- 1) Fit a PVC PULLEY WHEEL into the PULLEY BRACKET on the LOWER ARMS ASSEMBLY.
- 2) Then insert a 2.75" LONG x 3/8" DIAMETER DETENT PIN.



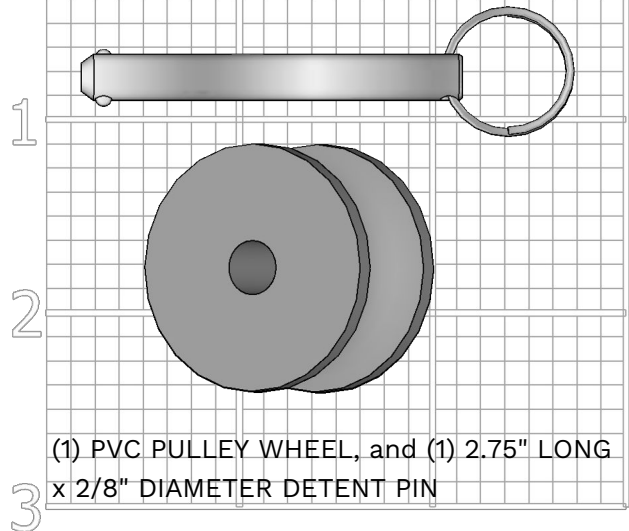
- 1) Fit a PVC PULLEY WHEEL into the PULLEY BRACKET on the underside of the MLX PULLEY BAR.
- 2) Then insert a 2.75" LONG x 3/8" DIAMETER DETENT PIN.

NOTE: IF YOUR WINCH IS MOUNTED HIGH ON THE BRUSH GUARD LIKE THE CANAM SEEN HERE, THEN THE PVC WHEEL WILL GO ABOVE THE MLX PULLEY BAR (SEE STEP 17(c) OF THIS MANUAL FOR MORE DETAIL).

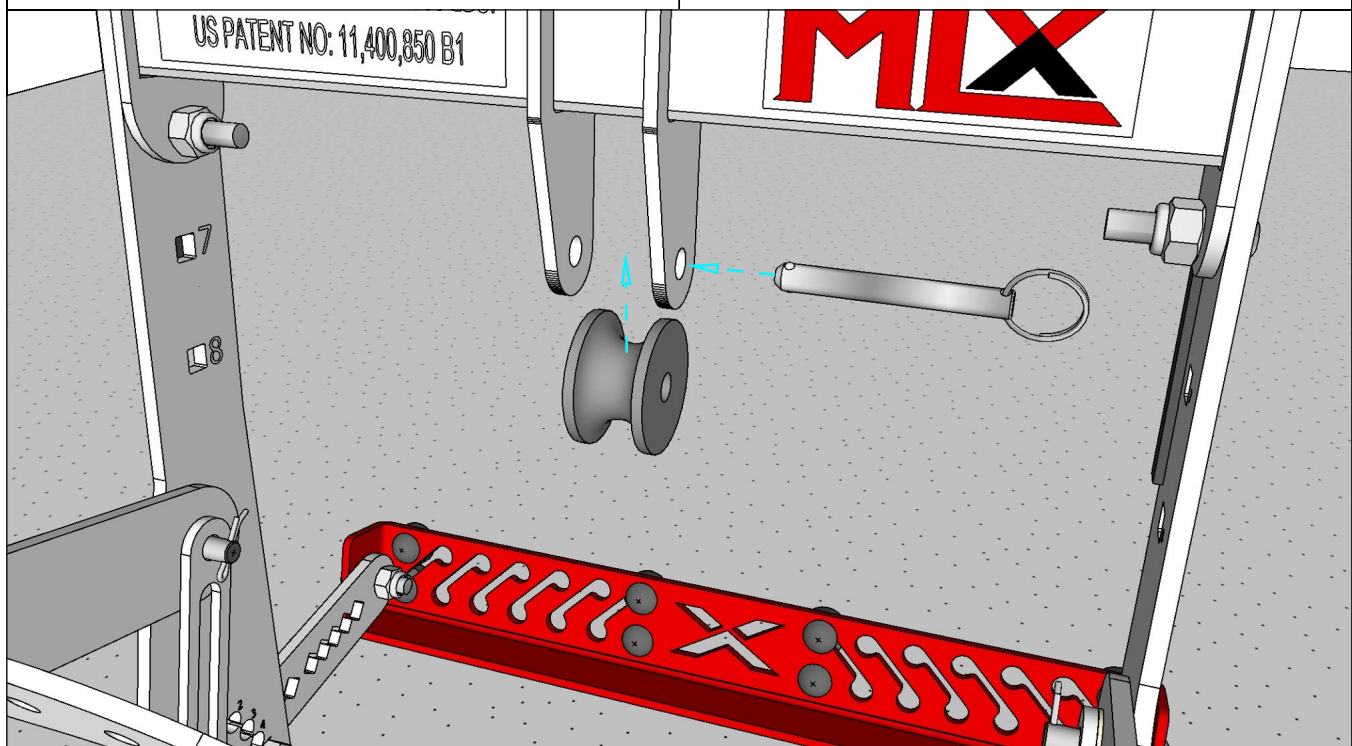


Inches 1 2 3

(HARDWARE - NOT ACTUAL SIZE)

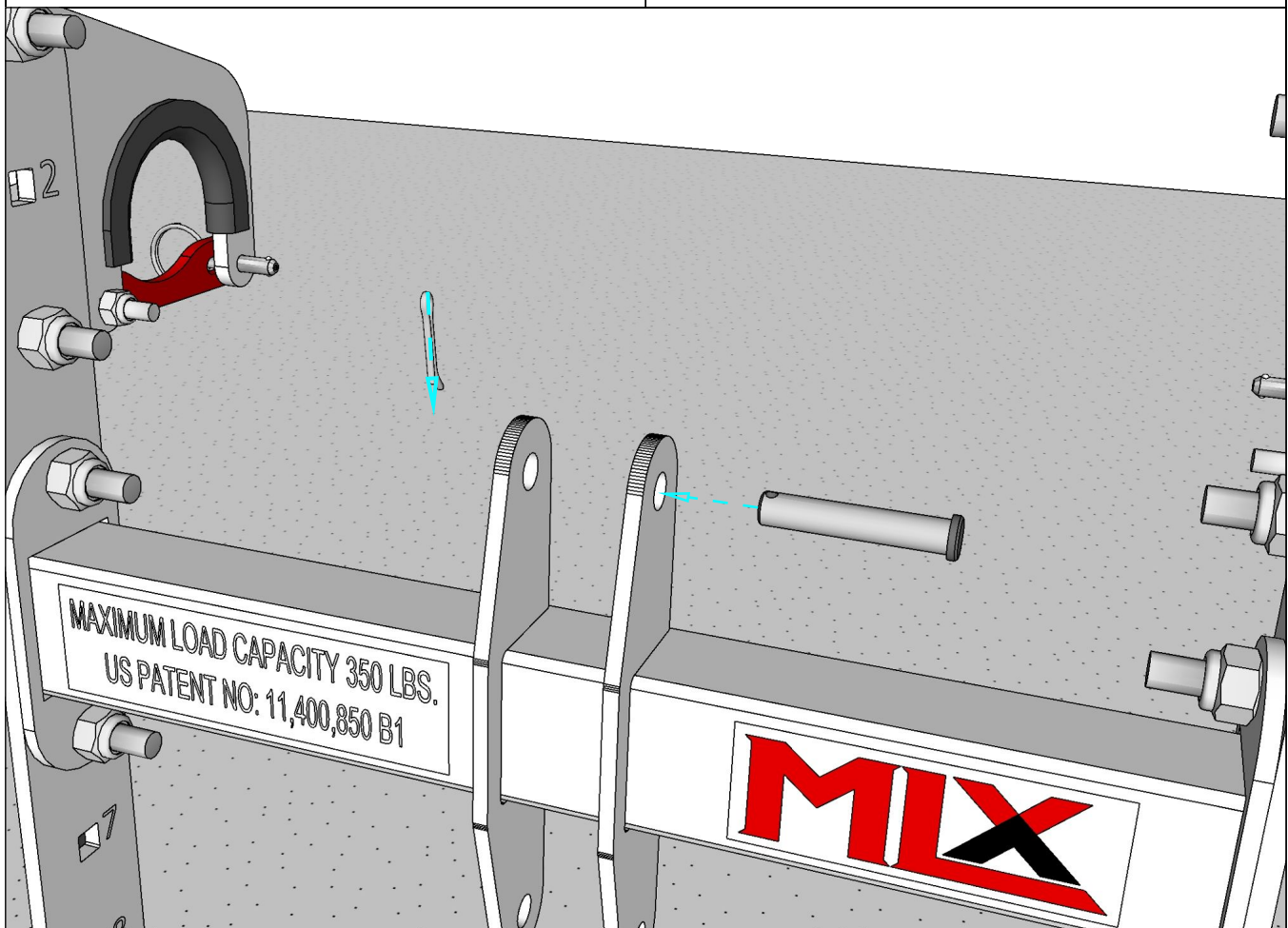
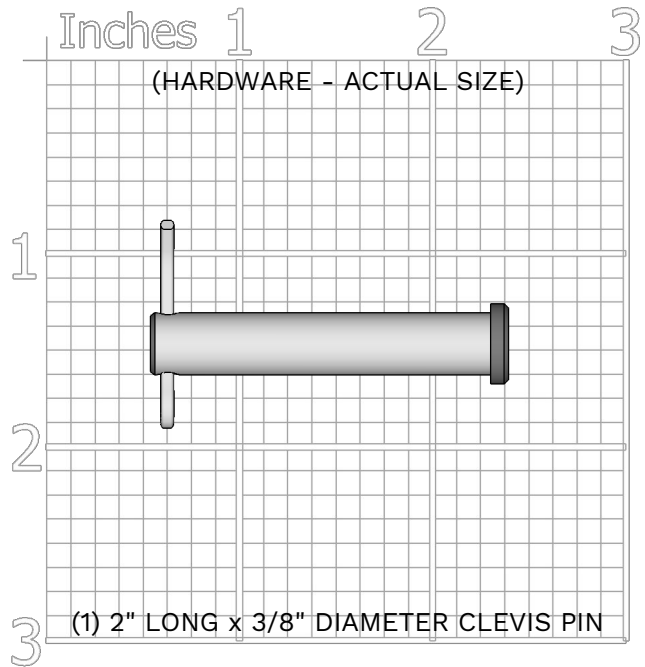


(1) PVC PULLEY WHEEL, and (1) 2.75" LONG x 2/8" DIAMETER DETENT PIN

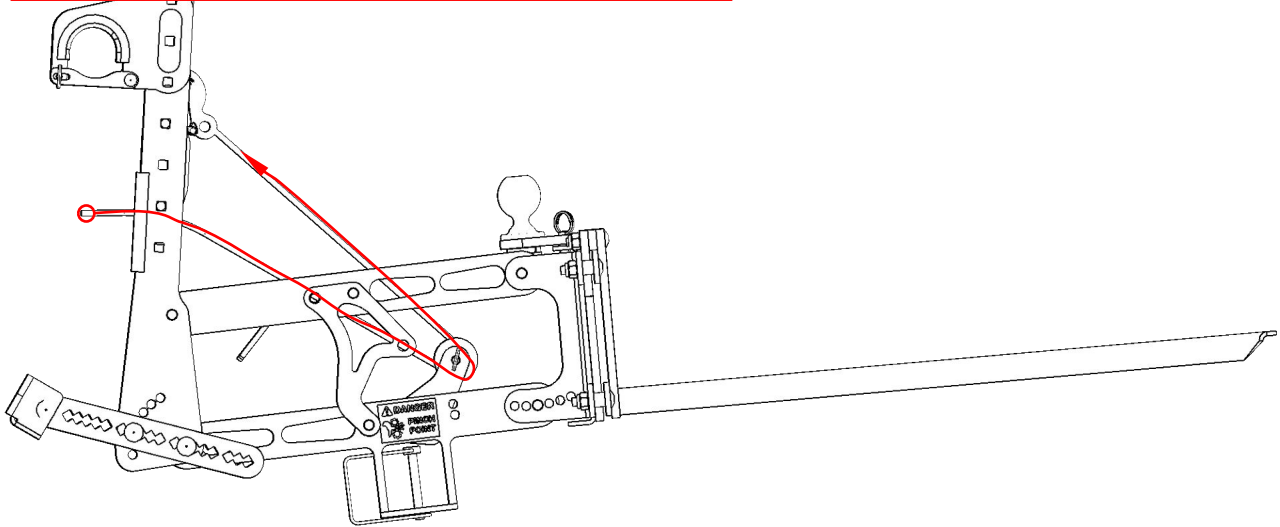


- 1) Insert the 2" LONG x 3/8" DIAMETER CLEVIS PIN into the PIN BRACKET on the topside of the MLX PULLEY BAR.

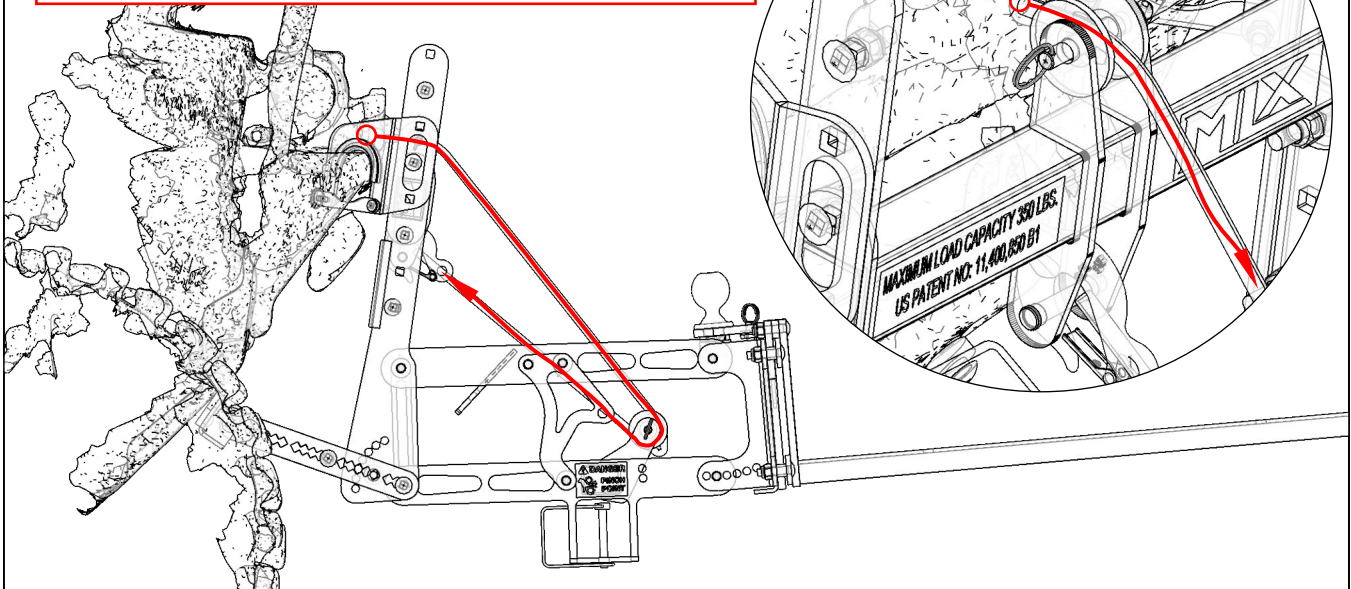
NOTE: IF YOUR WINCH IS MOUNTED HIGH ON THE BRUSH GUARD LIKE THE CANAM IN THE PRIOR STEP, THEN THE CLEVIS PIN WILL GO BELOW THE MLX PULLEY BAR (SEE STEP 17(c) OF THIS MANUAL FOR MORE DETAIL).



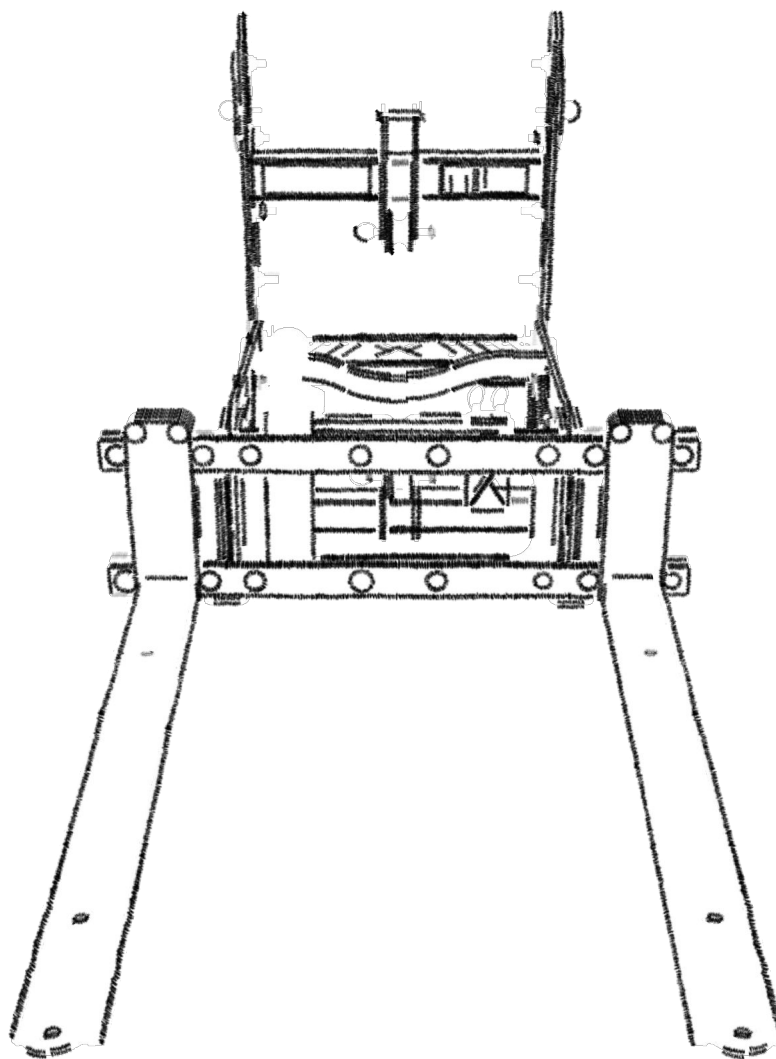
WINCH MOUNTED MID OR LOW ON UTV BRUSH GUARD: WINCH CABLE RUNS OVER THE TOP OF THE PULLEY WHEEL WHICH IS BELOW THE MLX PULLEY BAR, THEN UNDER, AROUND, AND OVER THE FORWARD PULLEY WHEEL, THEN BACK TO THE WINCH HOOK PIN (ABOVE THE MLX PULLEY BAR).



WINCH MOUNTED HIGH ON UTV BRUSH GUARD: WINCH CABLE RUNS OVER THE TOP OF THE PULLEY WHEEL WHICH IS ABOVE THE MLX PULLEY BAR, THEN OVER, AROUND, AND UNDER THE FORWARD PULLEY WHEEL, THEN BACK TO THE WINCH HOOK PIN (BELOW THE MLX PULLEY BAR).



MLX

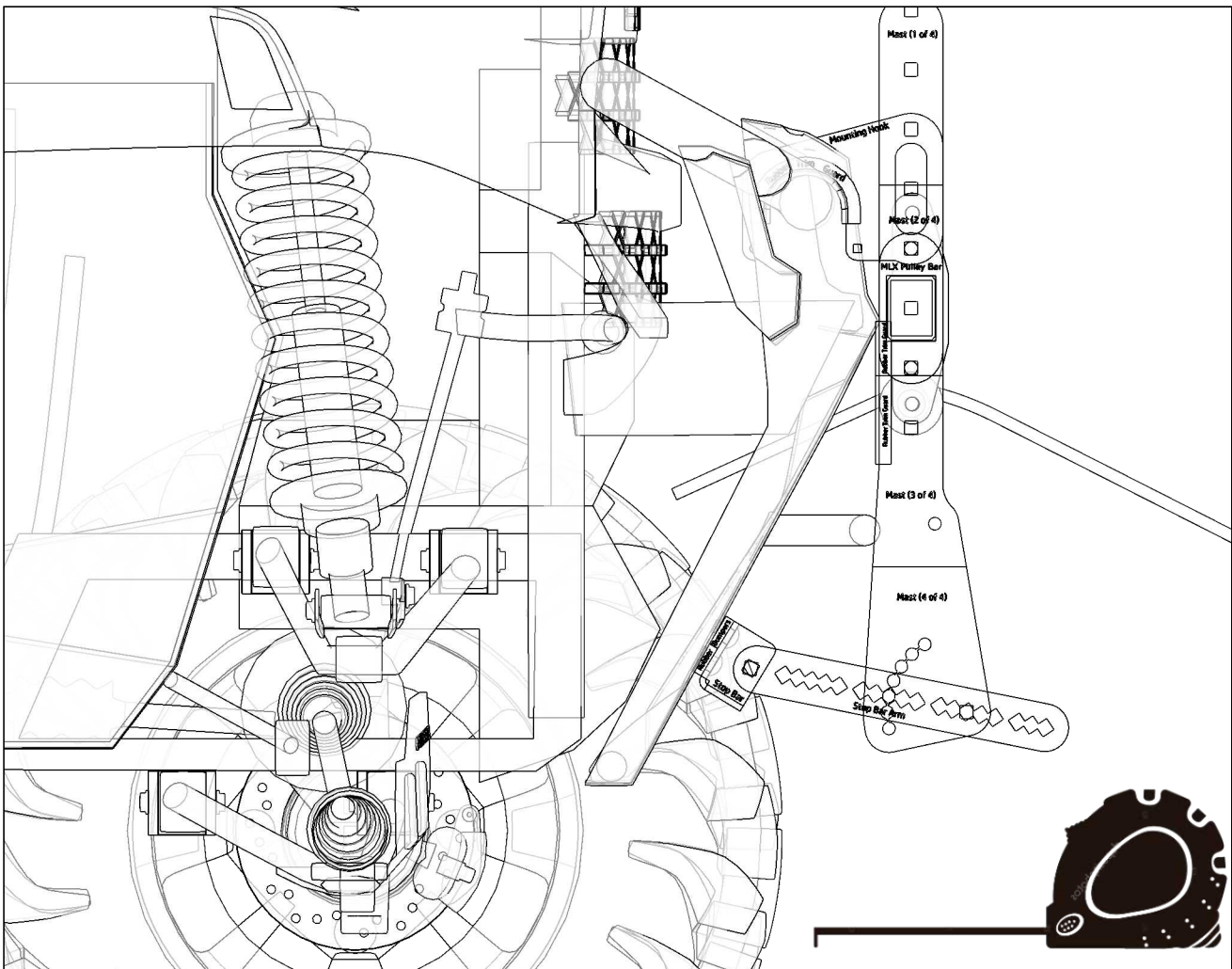


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MLX COMPATIBILITY GUIDE

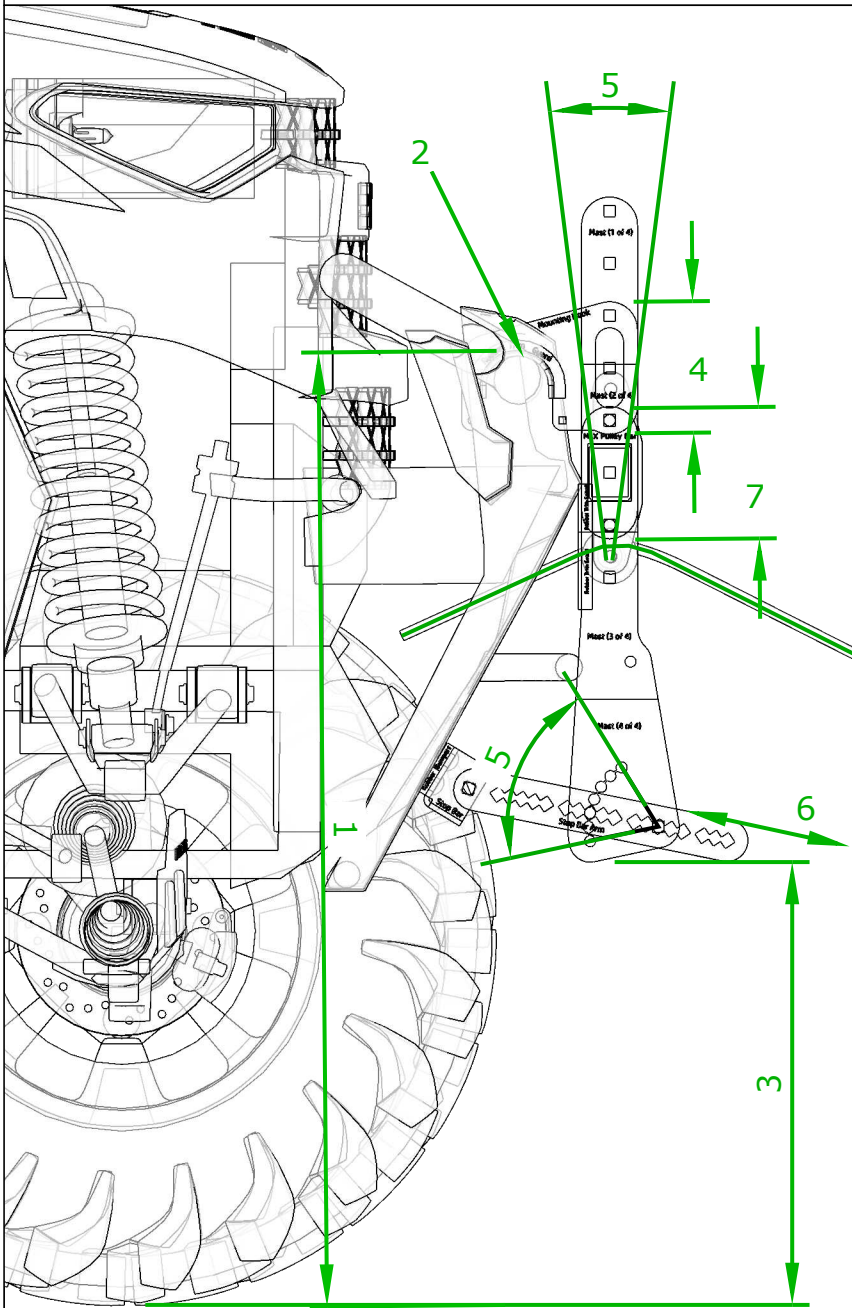


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CHECKLIST

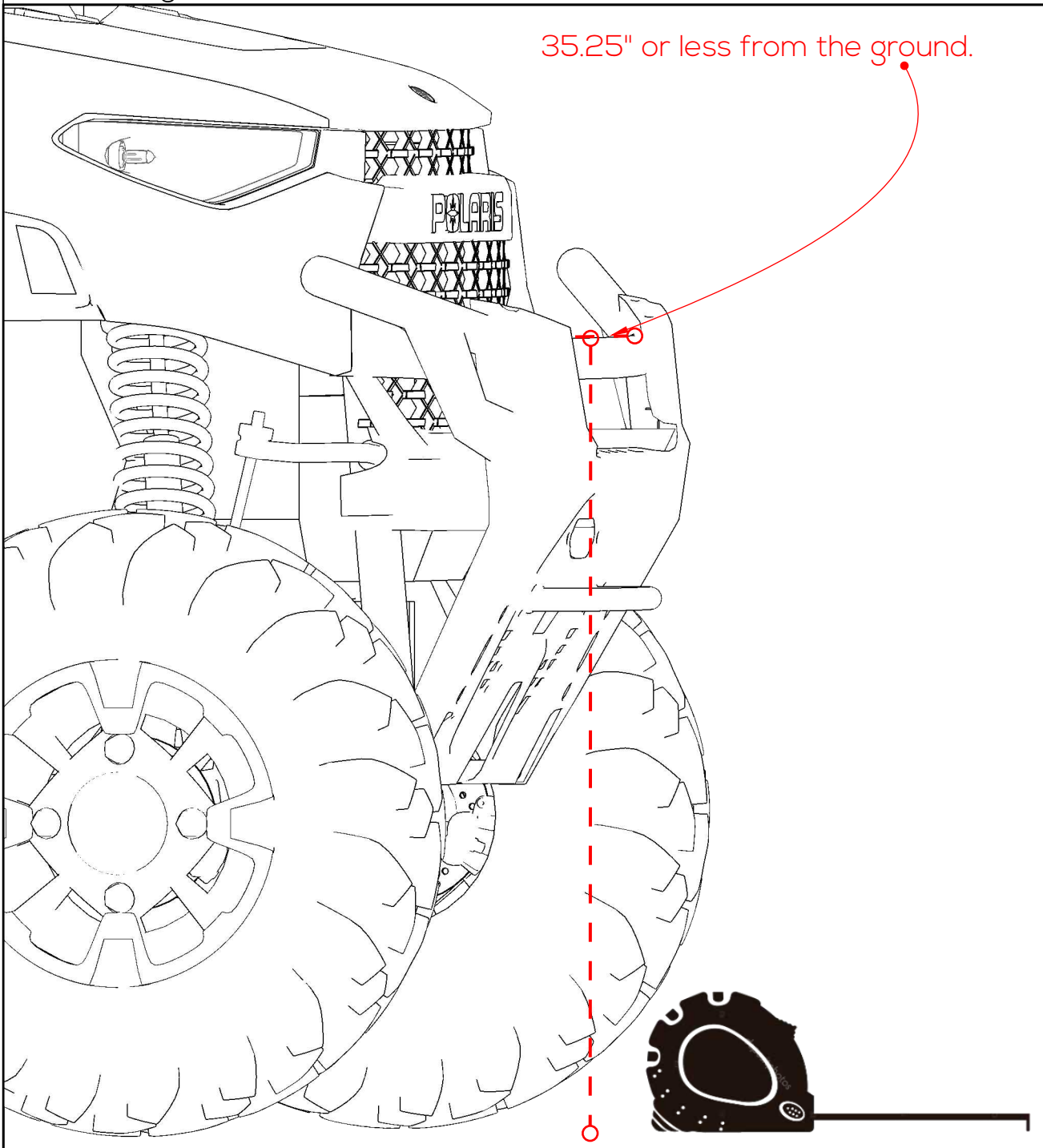
In order to ensure that the MLX is a fit for your UTV, this manual is going to have you check a few measurements on your UTV and ensure that a few MLX adjustments work for your UTV.



1. Brush Guard Height From Ground
2. Length and Diameter of Brush Guard Horizontal Bar That MLX Will Hang On
3. Height of Bottom of the MAST From the Ground
4. Mounting Hook Selection and Adjustments
5. Stop Bar Arm Angle Adjustments
6. Stop Bar Arm Linear Adjustments
7. MLX Pulley Bar Vertical Adjustments

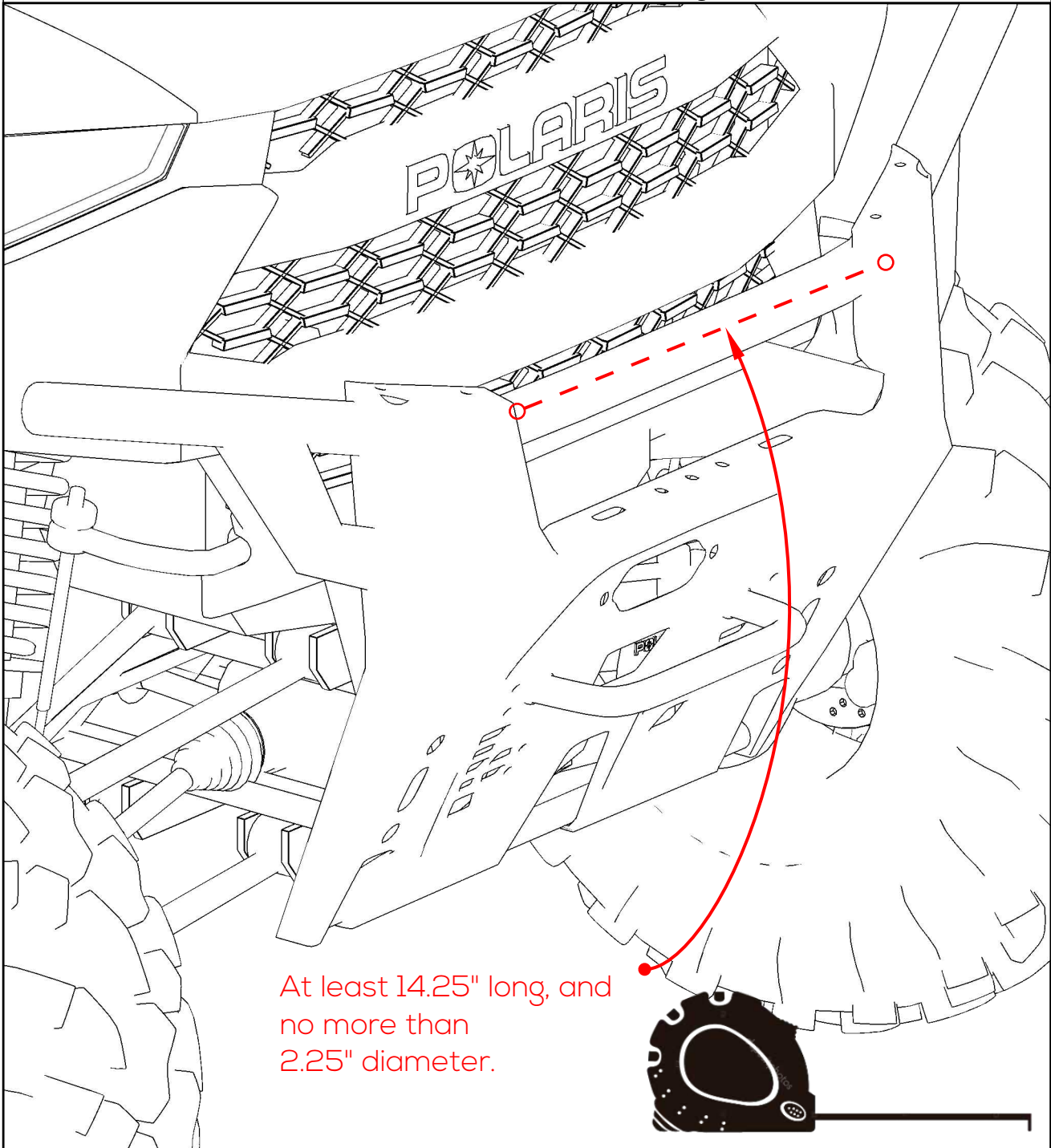
UTV MEASUREMENTS

In order for the MLX to reach the ground when fully deployed, the top of the bar that you will hang the MLX on can be no higher than 35.25" from the ground.



UTV MEASUREMENTS

In order for the MLX to hang on your UTV's brush guard, the brush guard will need a section of horizontal round tubing that is no more than 2.25" in diameter, and is at least 14.25" long.



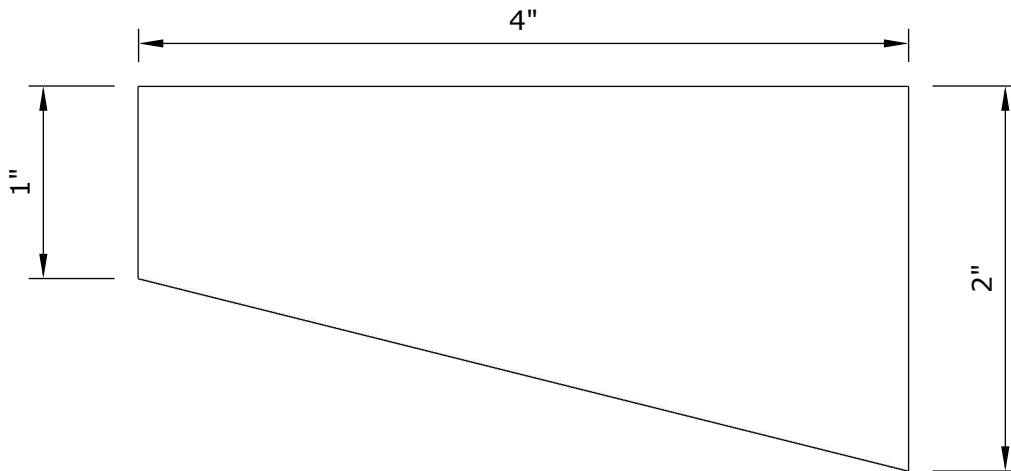
At least 14.25" long, and
no more than
2.25" diameter.

PRINTER DIMENSION VERIFICATION

If you haven't purchase the MLX yet and are not 100% sure that it will fit, then this little arts and crafts project can help you make sure. You'll be printing and cutting out property sized parts and holding them to your UTV's brush guard.

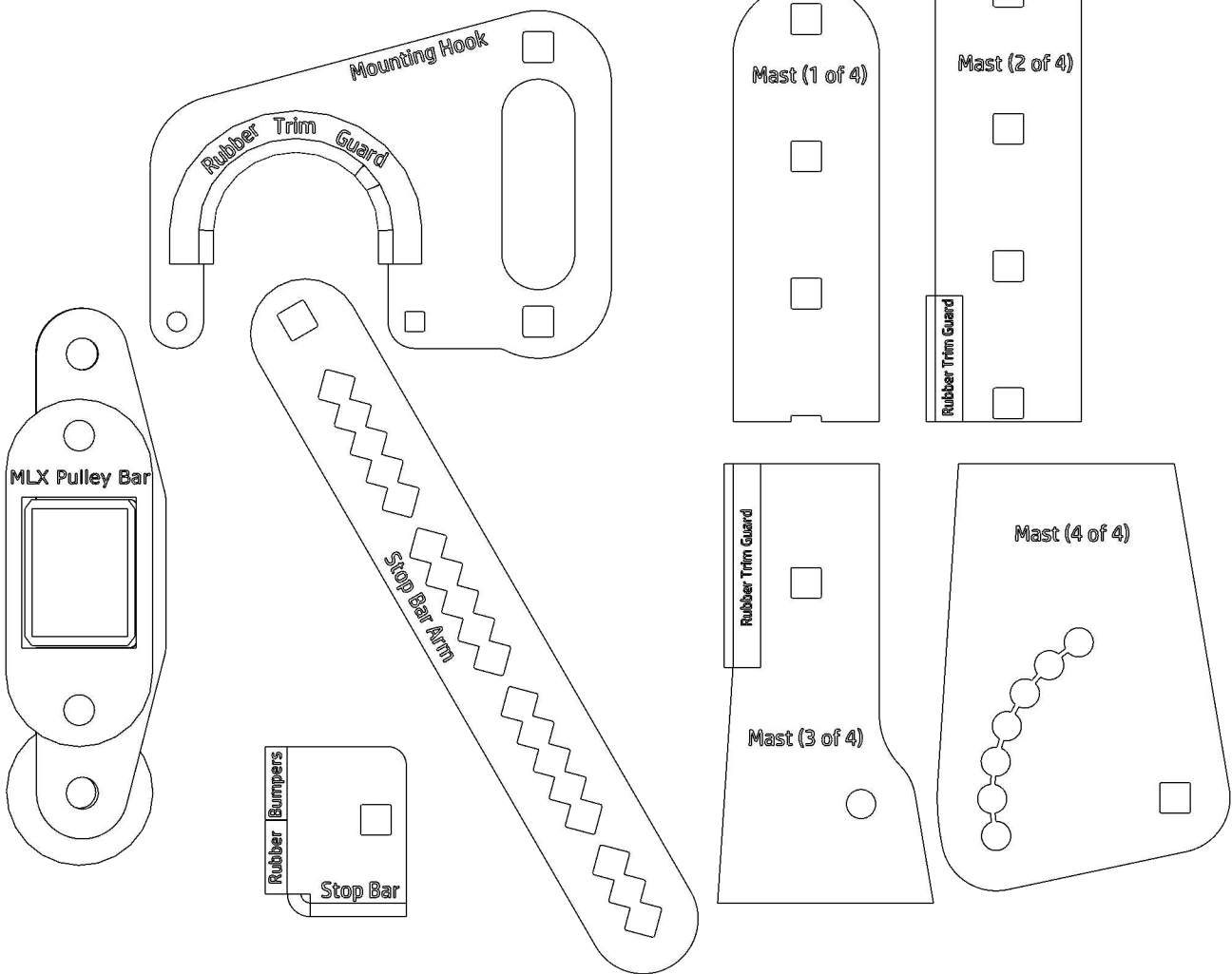
Because some printers automatically scale a page larger or smaller, you first need to make sure that your printer is printing at 100% scale.

To check your printer, print this page. Then measure the shape below and make sure that the dimensions on the page match your tape measure.

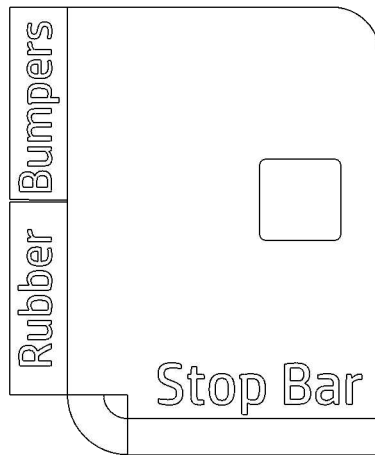
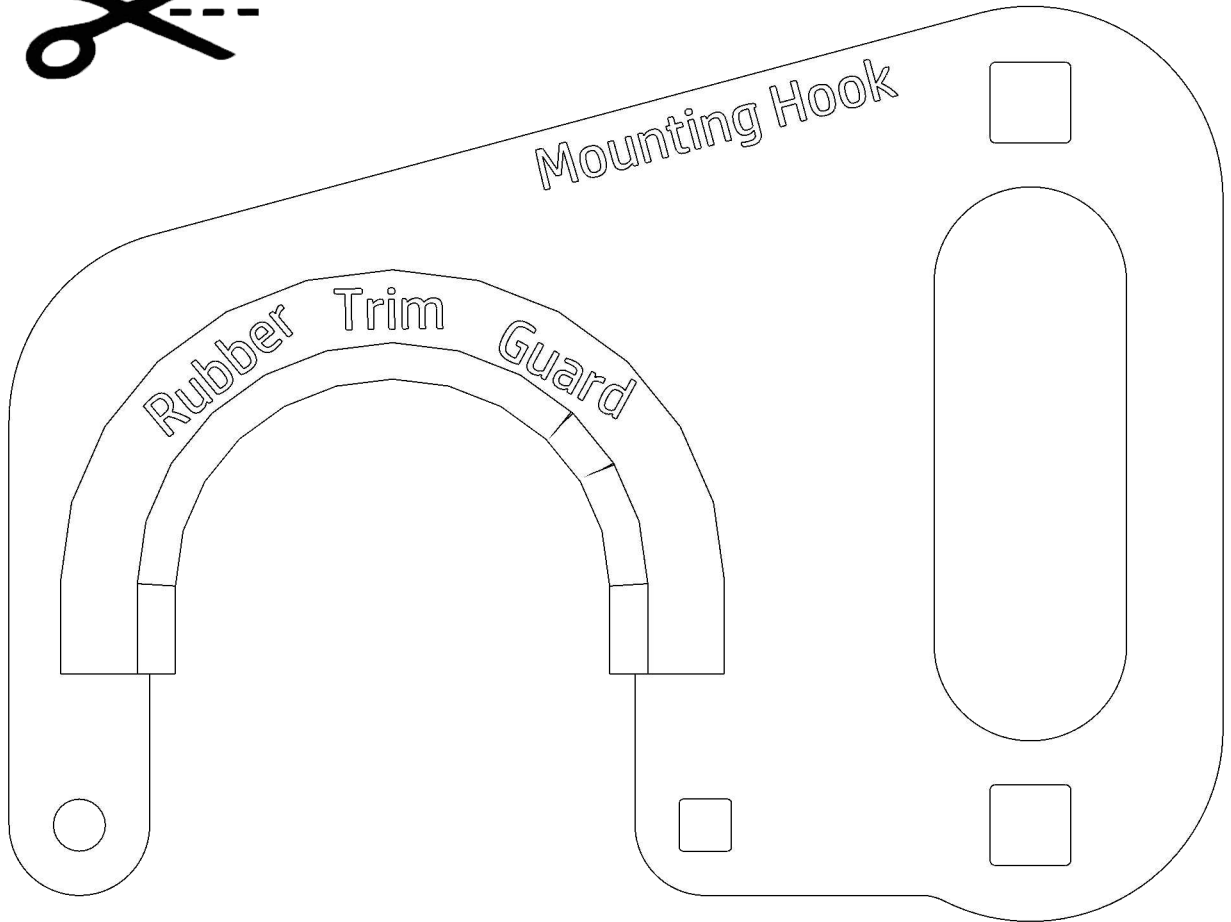


CUTTING OUT THE PARTS

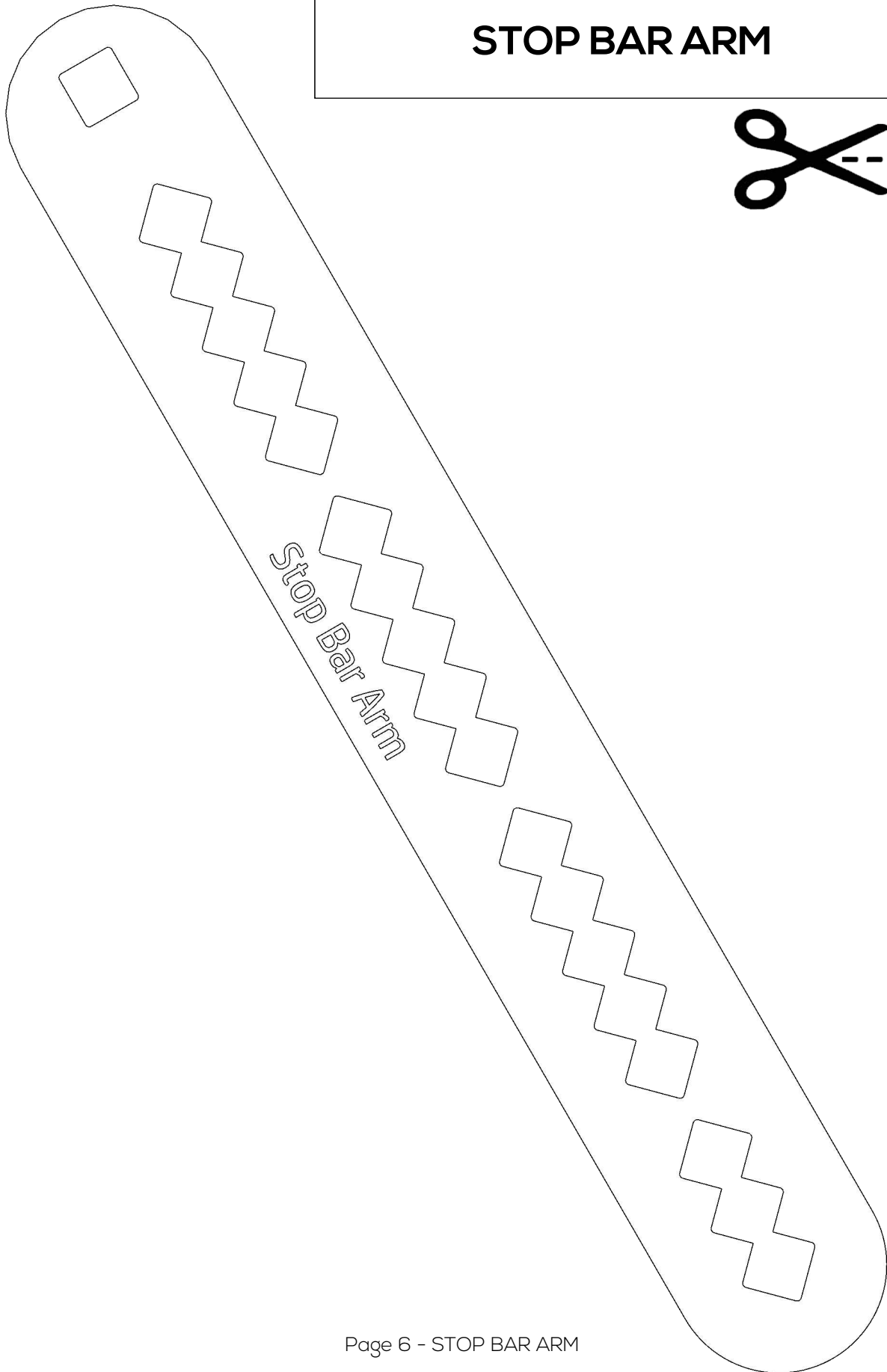
The parts below will be displayed in their actual sizes in the pages to follow. Cut them out. NOTE: You don't need to cut out the holes; just the outside borders of the parts.



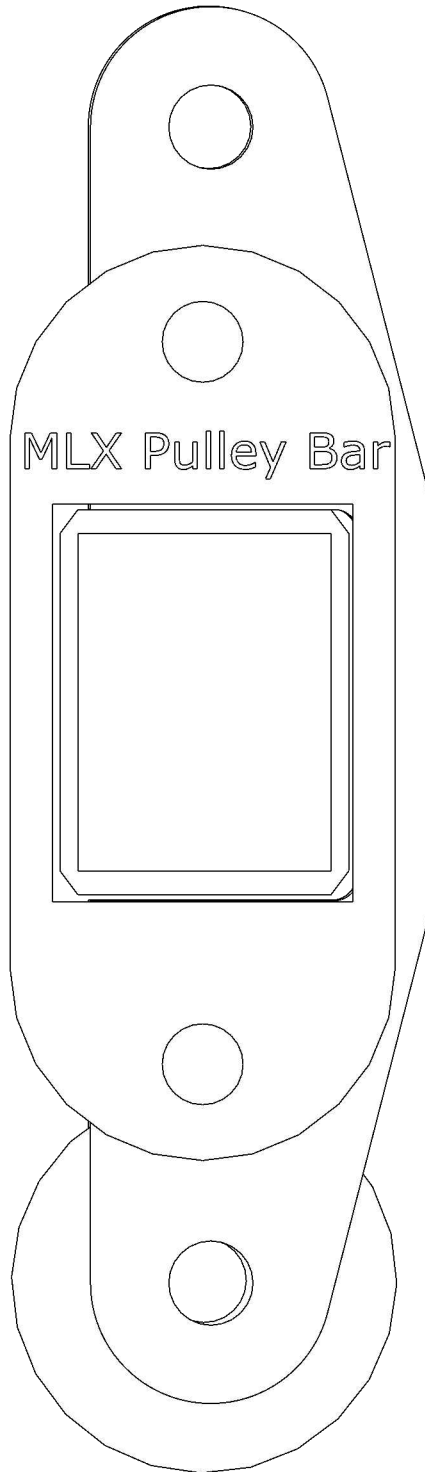
MOUNTING HOOK & STOP BAR



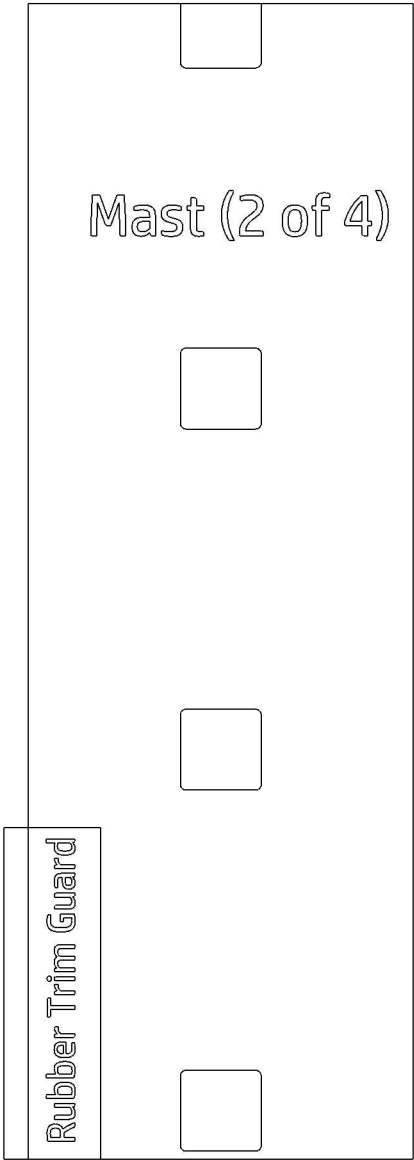
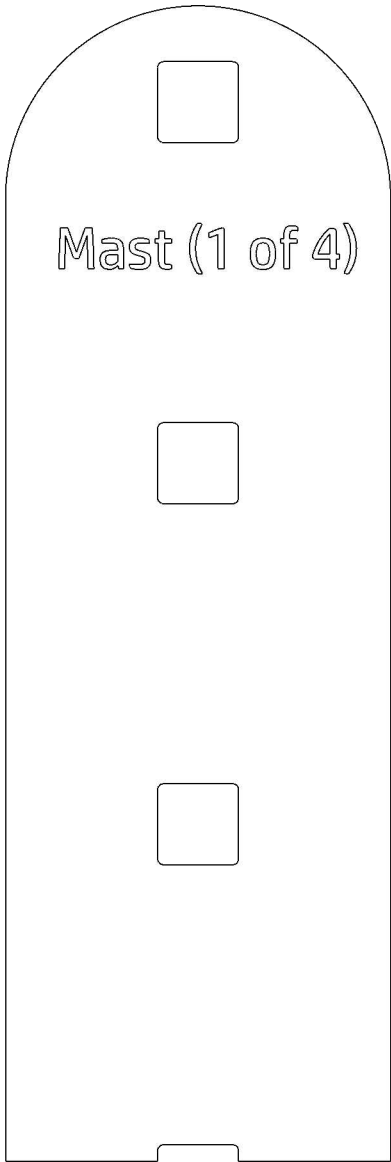
STOP BAR ARM



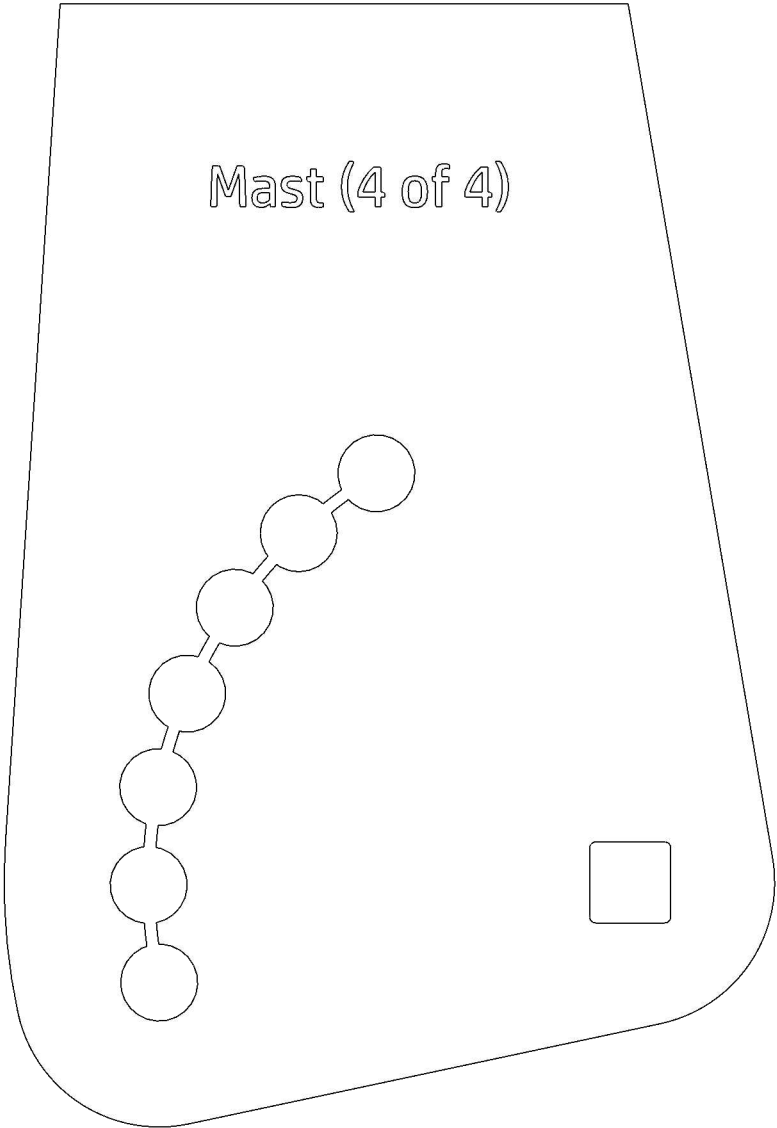
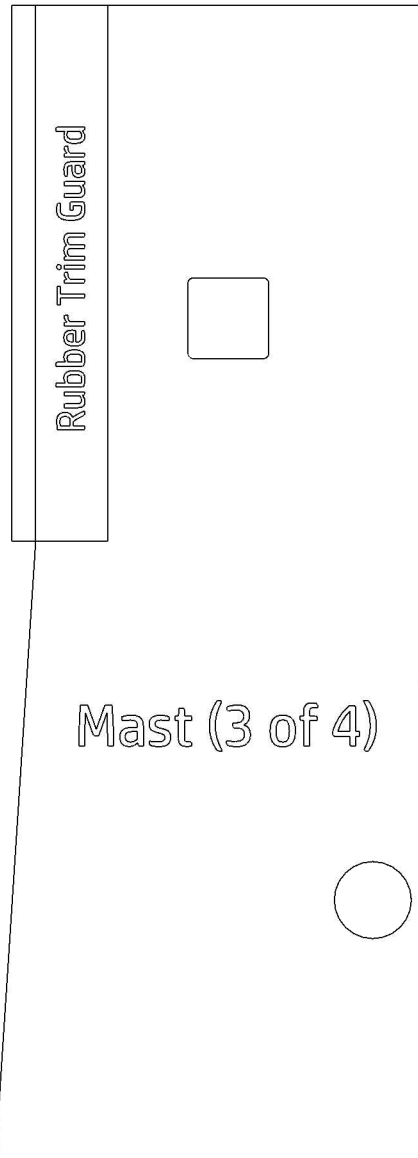
MLX PULLEY BAR



MAST (1 OF 2)

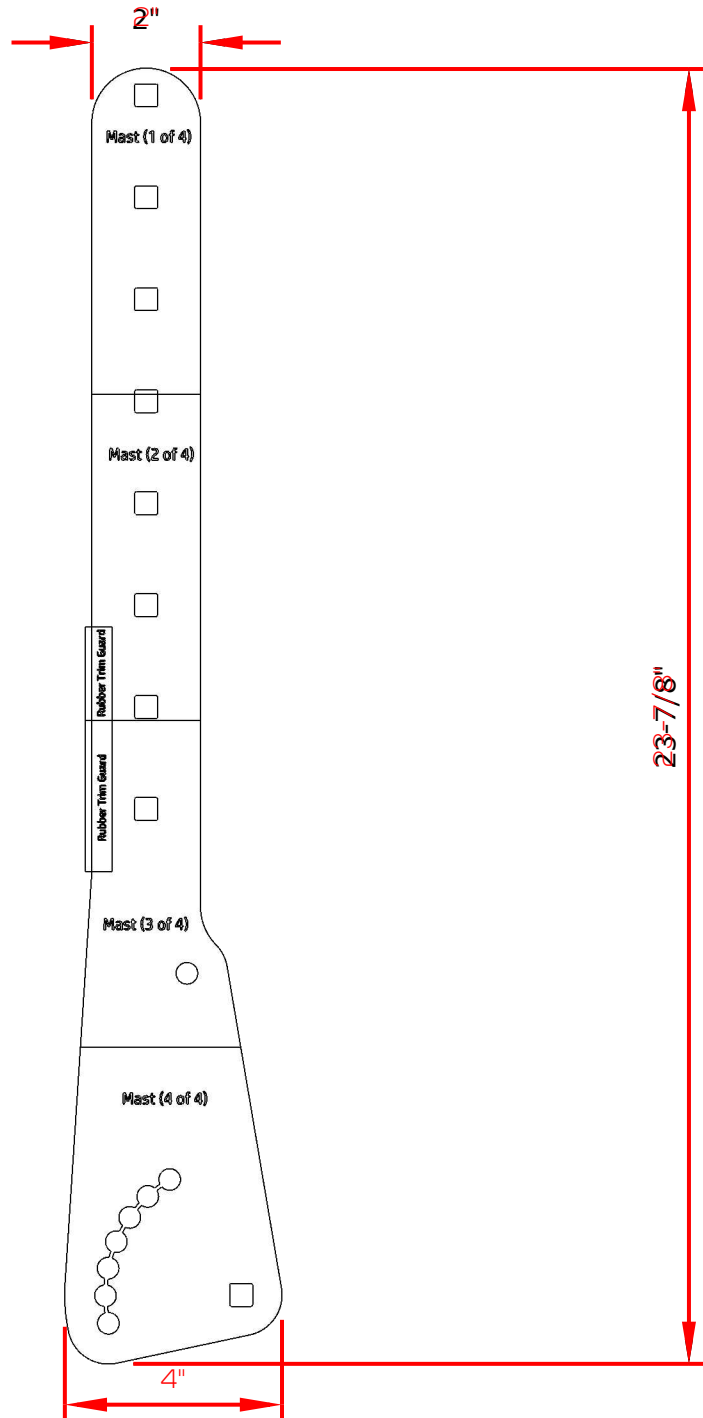


MAST (2 OF 2)



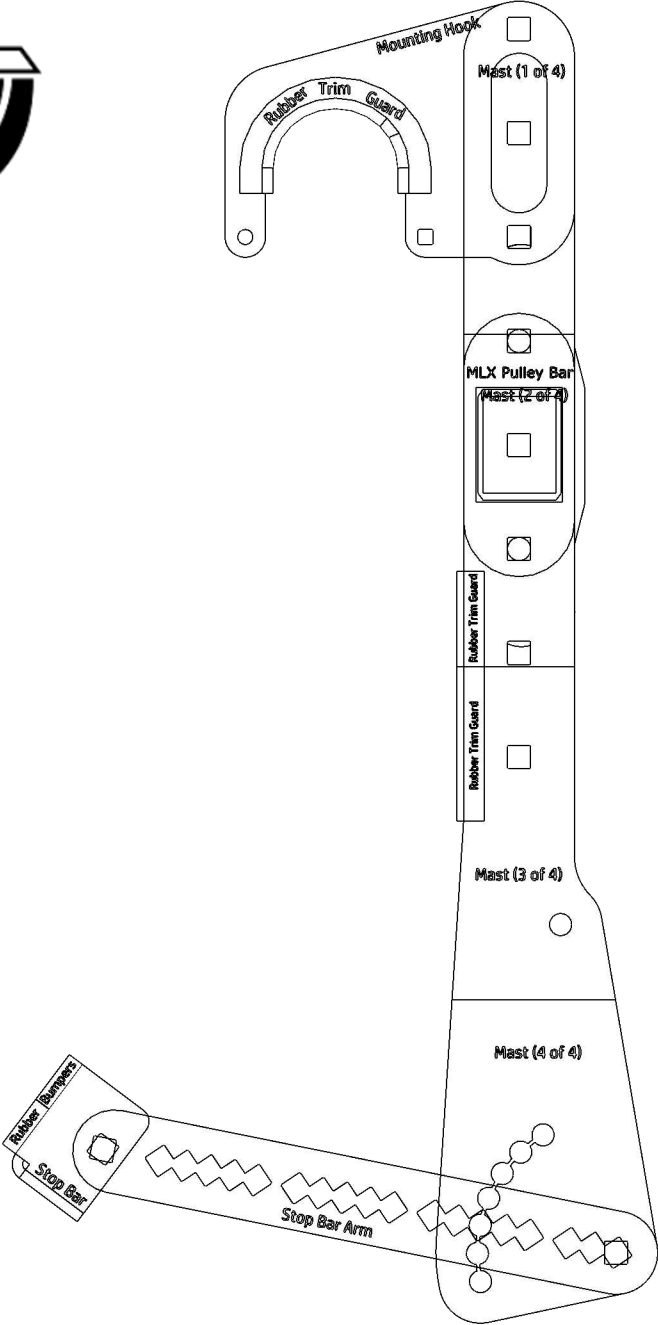
PREPARE THE MAST

Tape the (4) Mast cutouts together with #1 of 4 being on top, and #4 of 4 being on the bottom. The dimensions of your taped together mast should match those below.



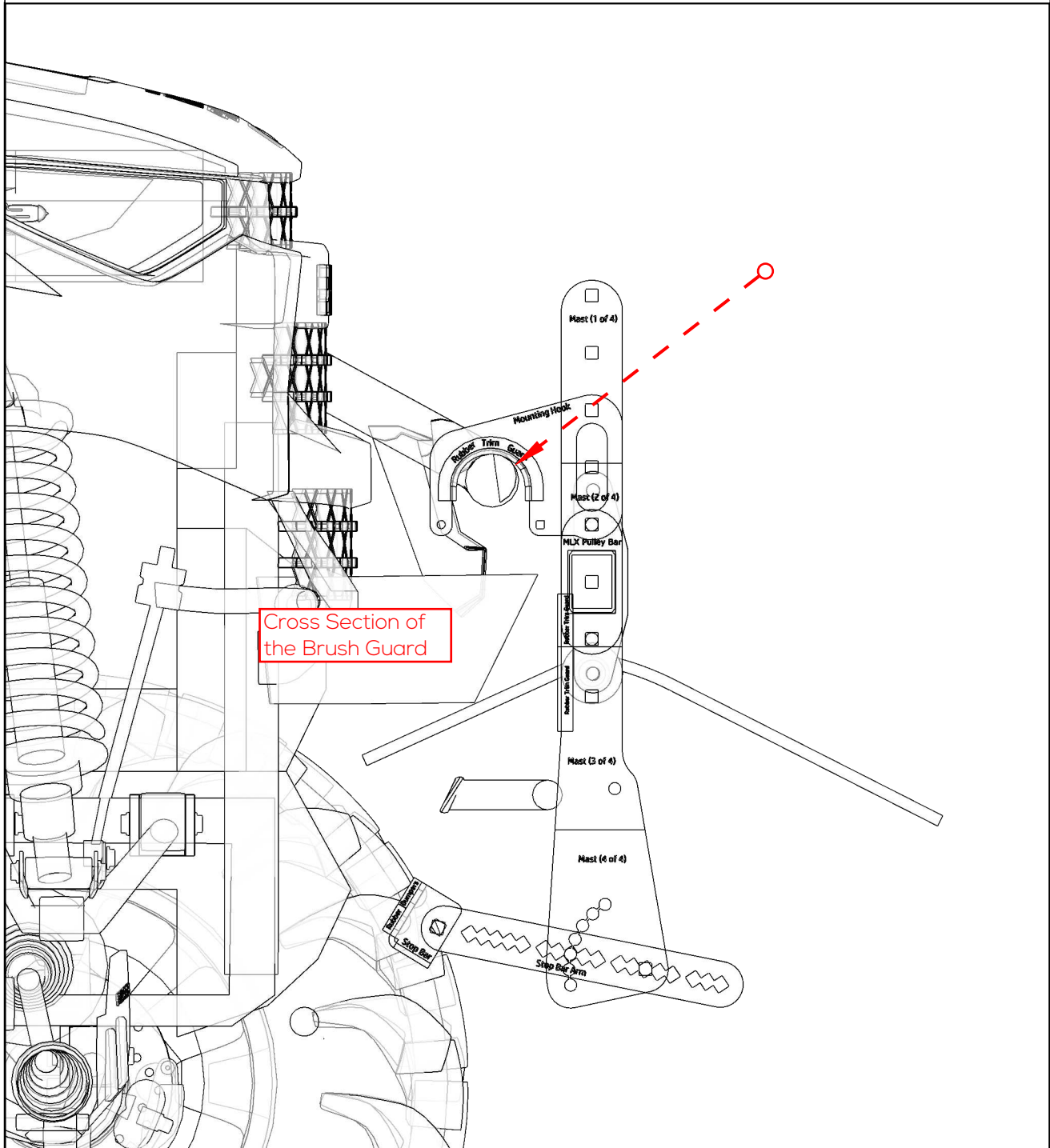
PUTTING IT ALL TOGETHER

Take several 2" sections of tape and roll them, sticky side out. Then use them to temporarily stick the cutout parts together as shown below.



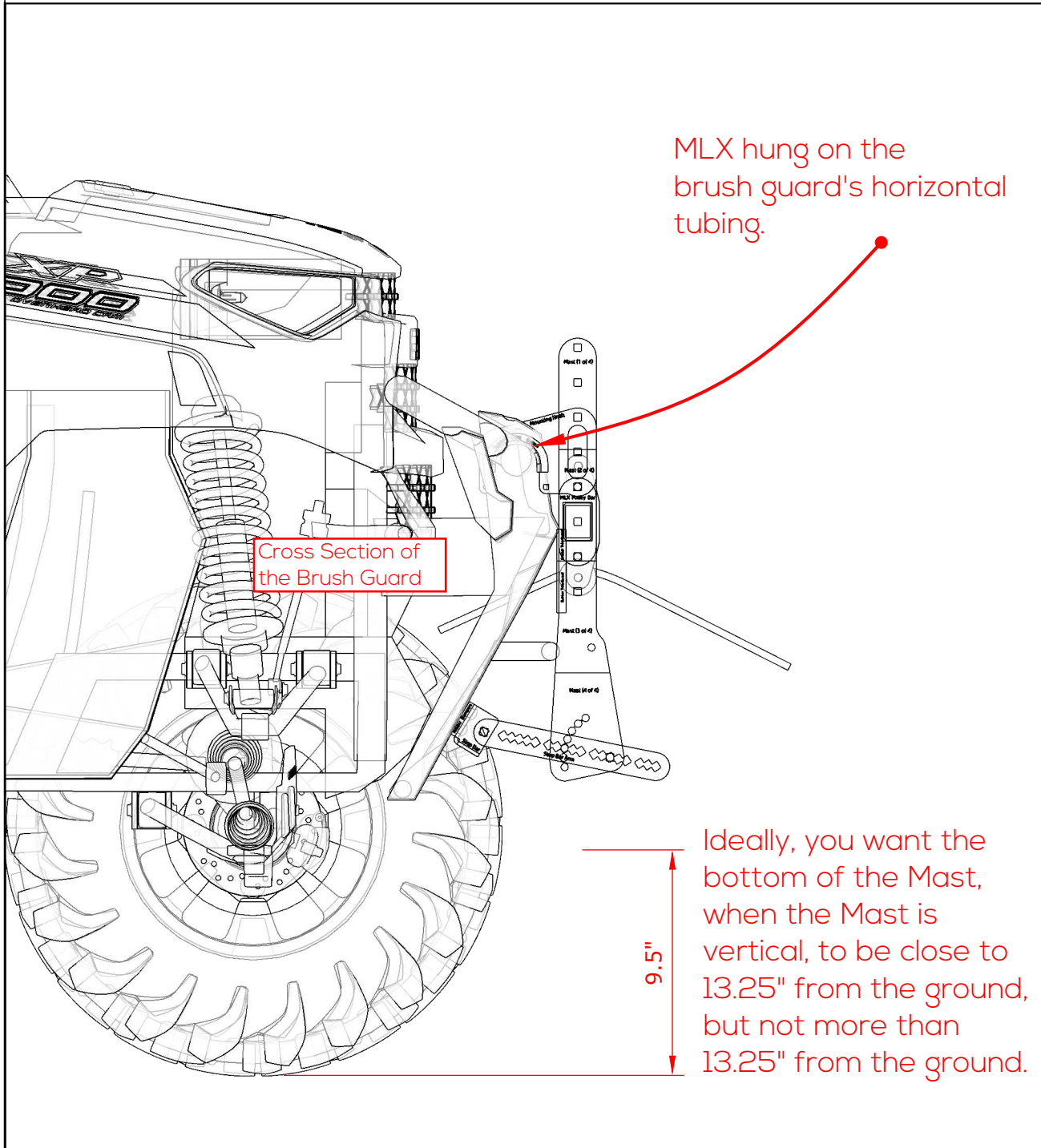
HANG MLX ON UTV

Hang your cutout model onto your UTV's horizontal round tubing that you previously measured.



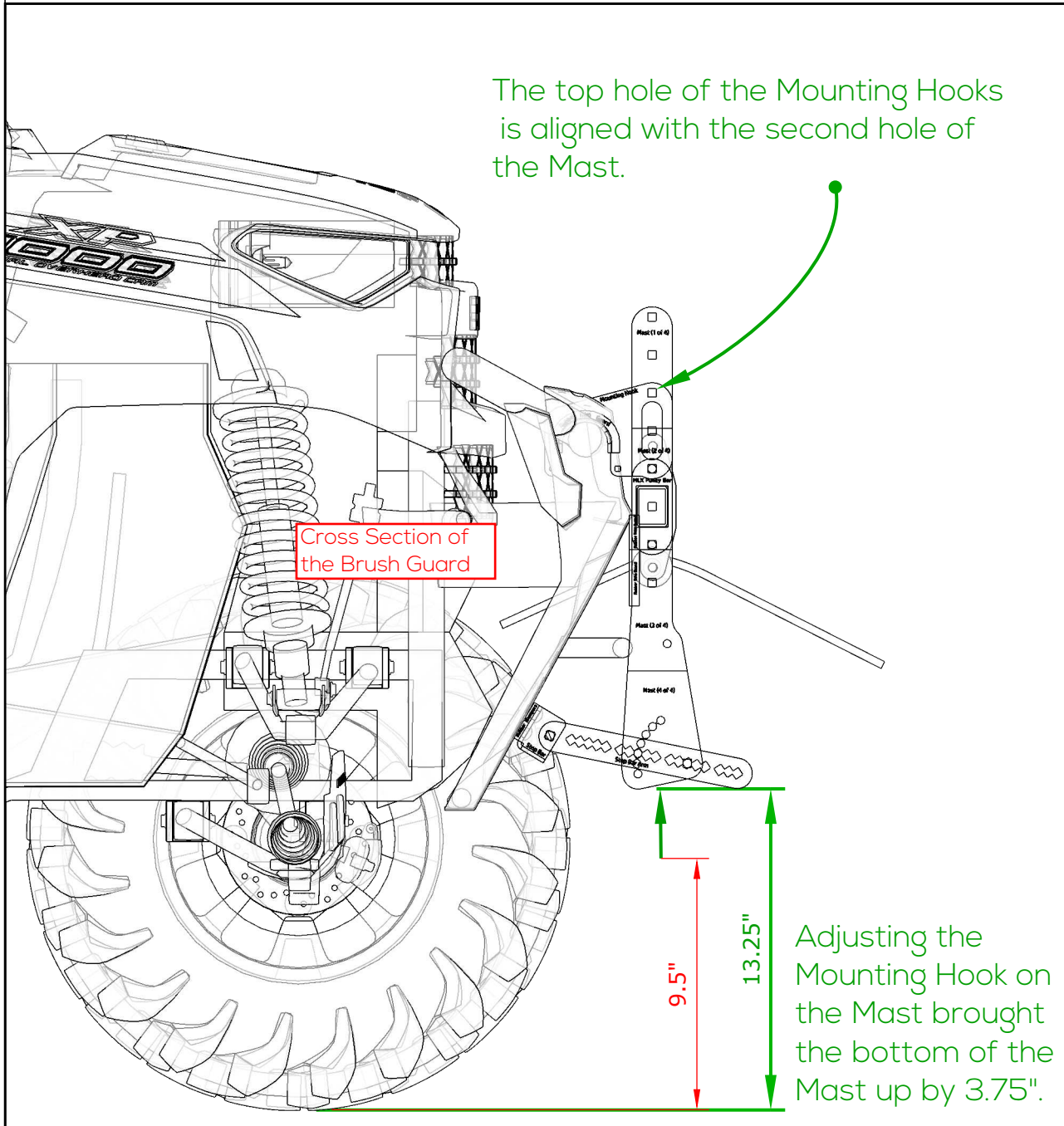
MOUNTING HOOKS

For the benefit of this illustration, this image shows a cross section of the brush guard.



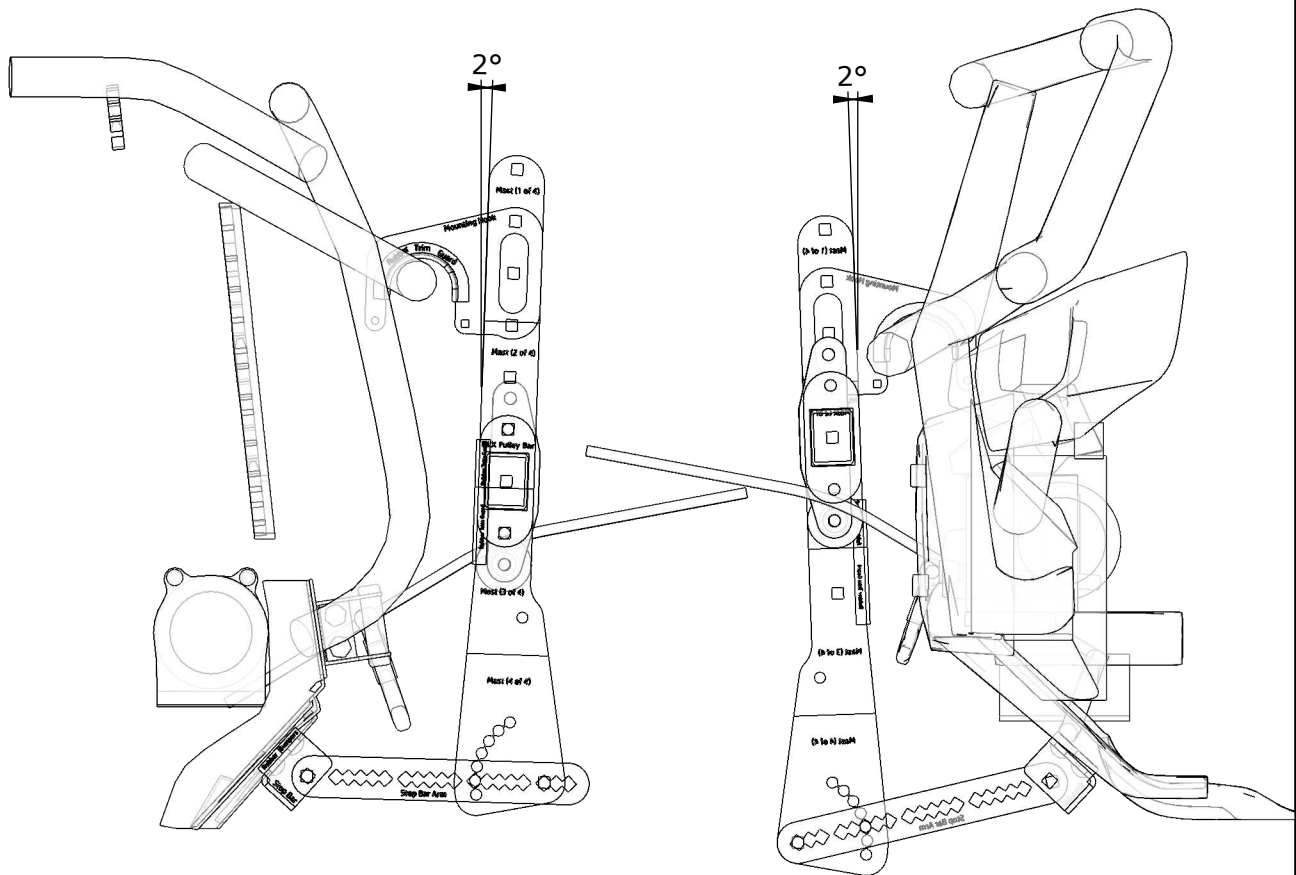
MOUNTING HOOKS

For example, for a 2023 Polaris Ranger 1000XP with stock 27" Pro Armor X-Terrain Tires, the top hole of the Mounting Hooks would align with the third hole of the Mast.



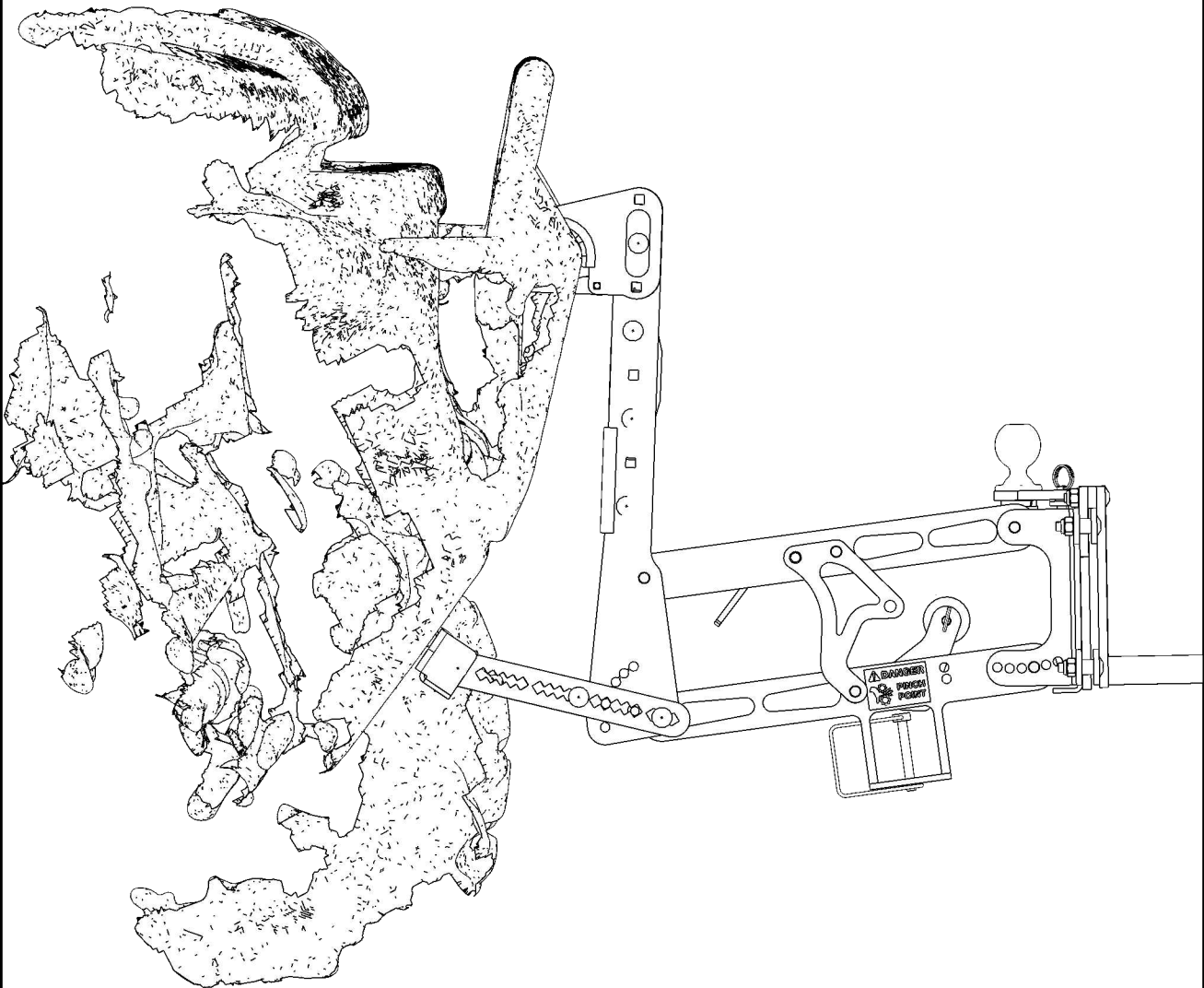
MOUNTING HOOKS

Some UTV brush guards will have multiple options for mounting placement, and the Mast, in order to fit, may need to be canted away from vertical. That's ok so long as the divergence from vertical is not too extreme.



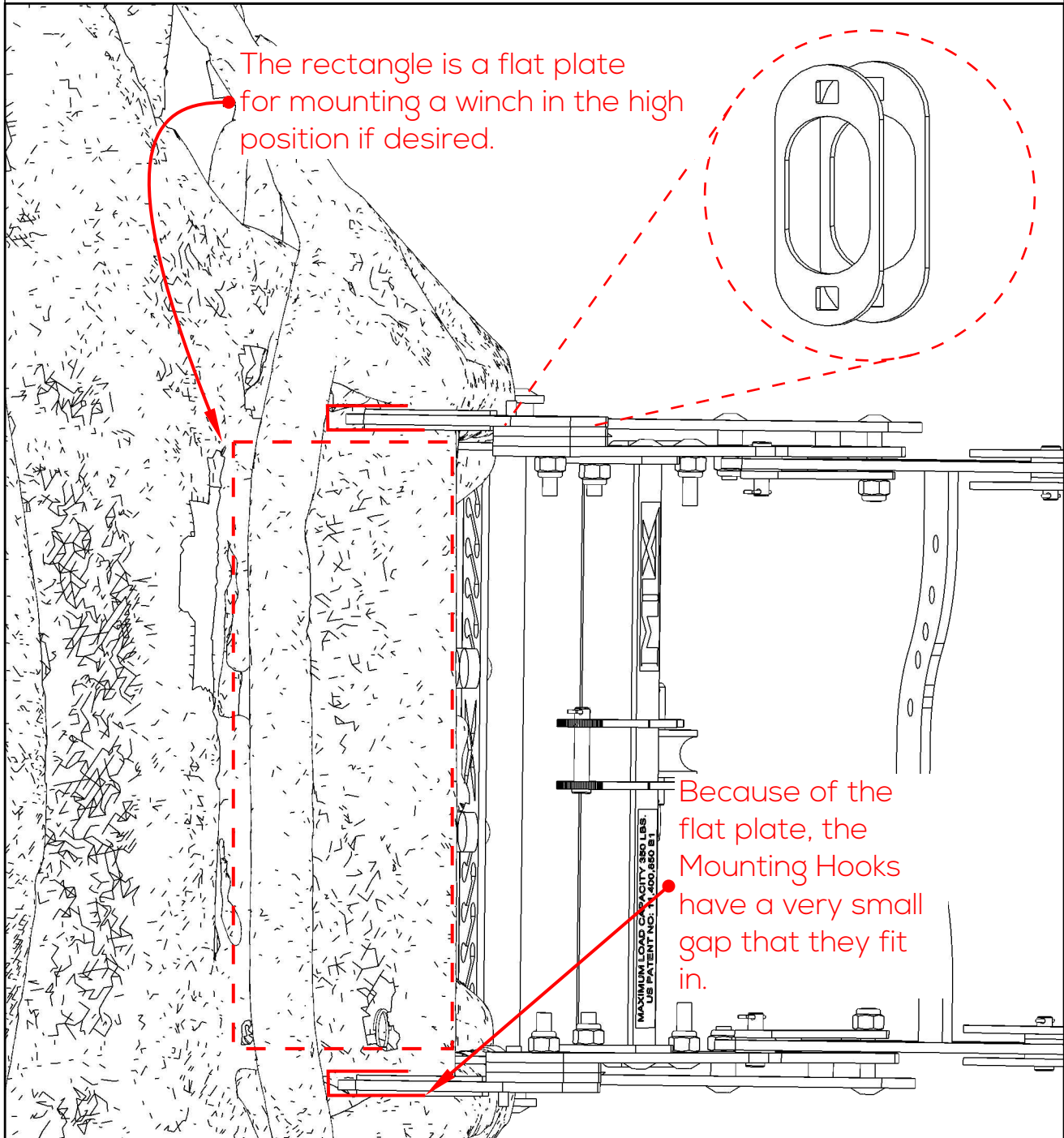
MOUNTING HOOKS

Some brush guards, like this actual 3D scan of a Can Am Defender with the XT bumper, will require the use of the Mounting Hook Spacers.



MOUNTING HOOKS

Pictured below is the employment of the Mounting Hook Spacers with the Can Am Defender with the XT bumper.



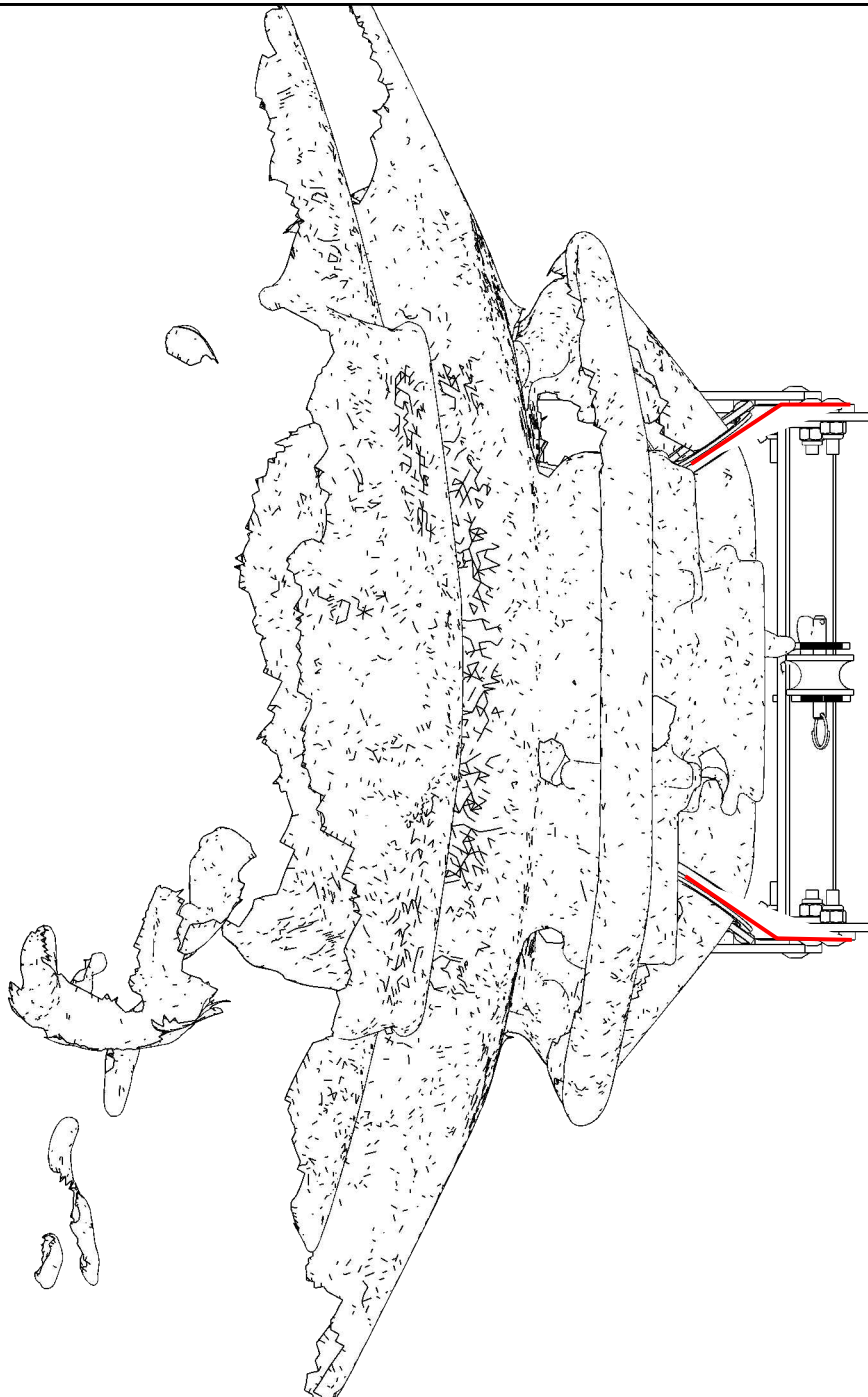
MOUNTING HOOKS

Other brush guards, like this actual 3D scan of a Can Am Defender with the XT-P bumper, will necessitate a bit more of a forward cant.



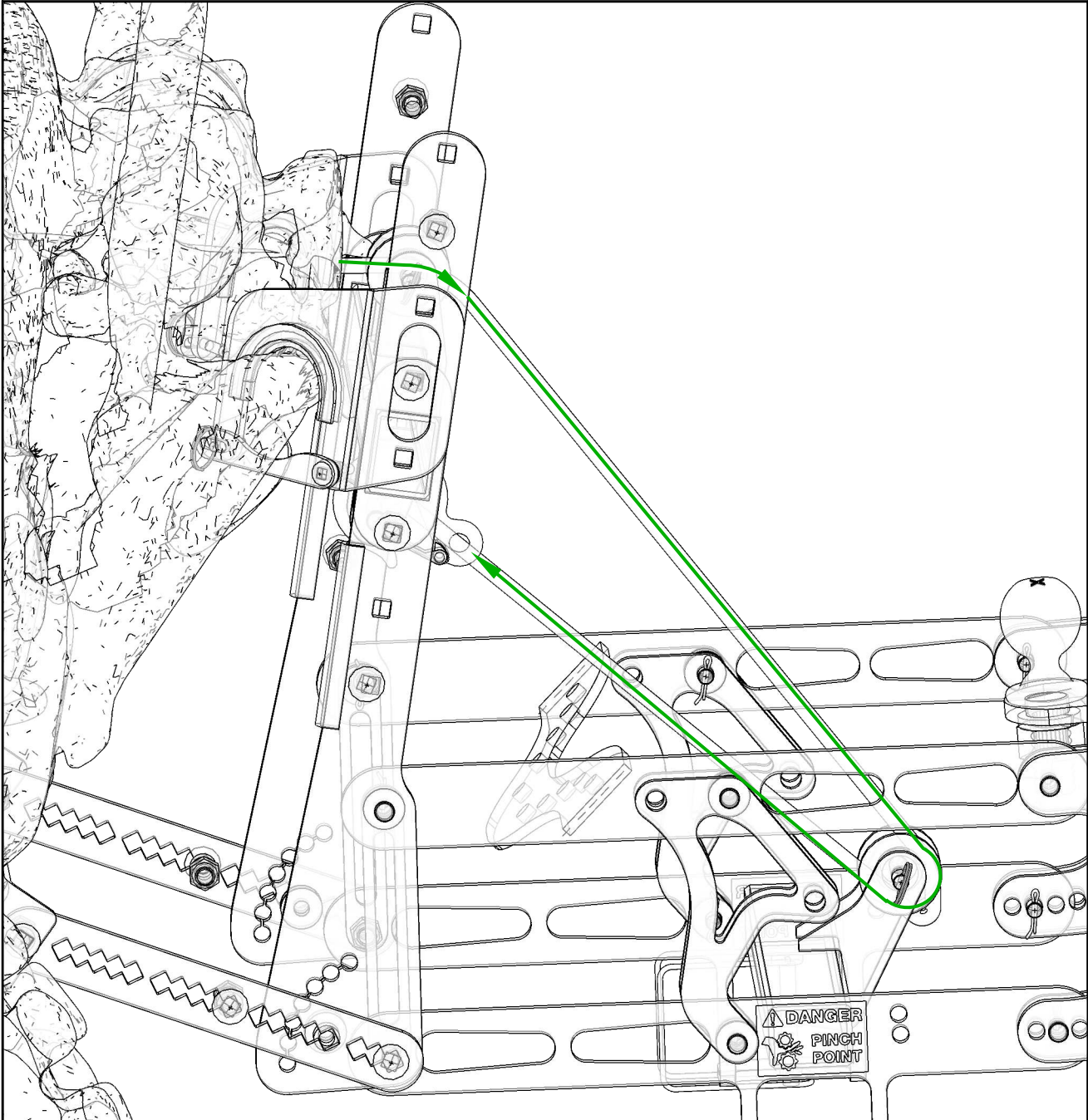
MOUNTING HOOKS

Because of the narrow design of the Can Am XT-P bumper, we'll trade out the Mounting Hooks for the Offset Mounting Hooks.



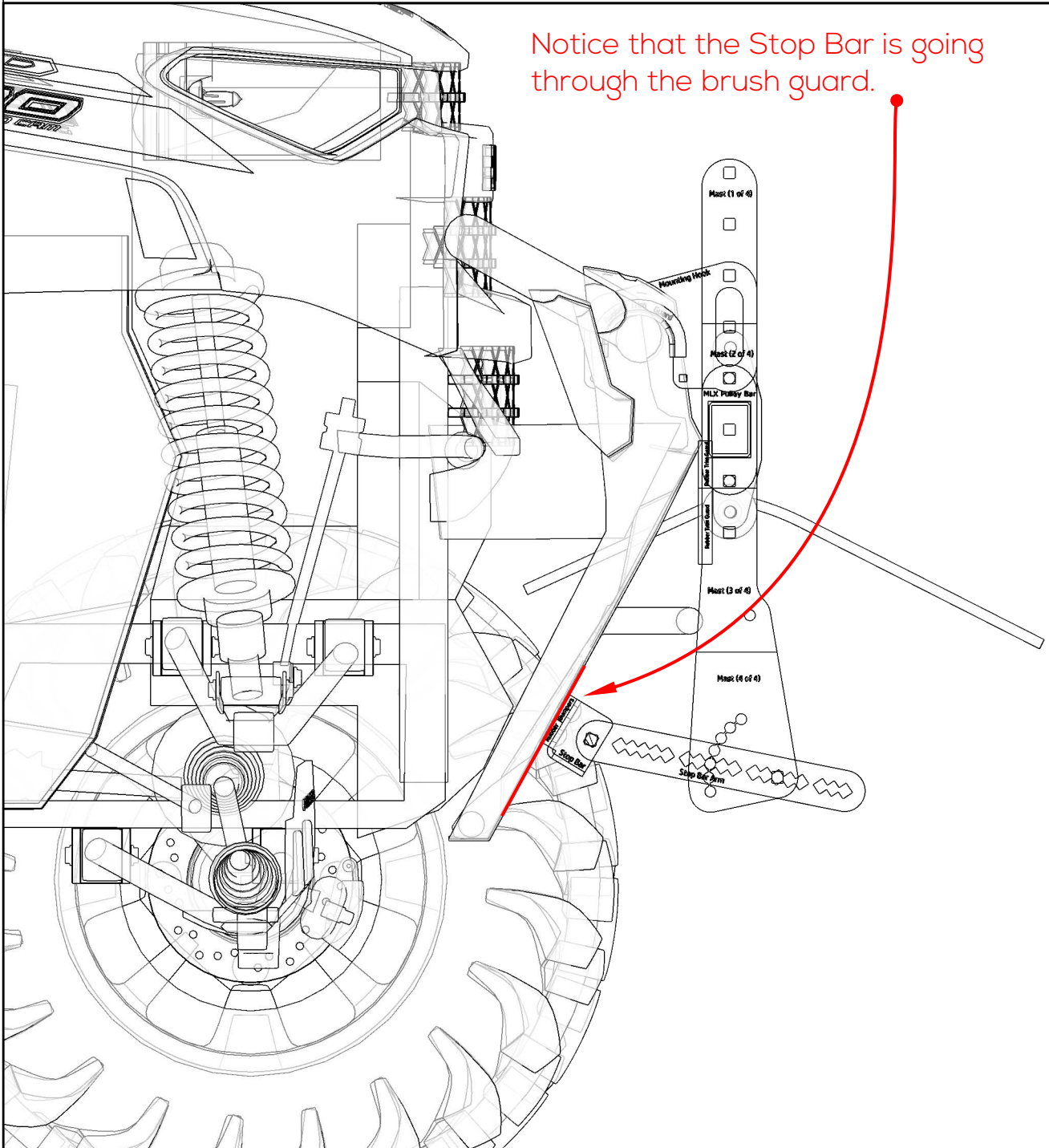
MOUNTING HOOKS

The XT-P also has the option of the winch being mounted low or high. If it is mounted high, then the MLX Pulley Bar Pulley Wheel will be placed above the MLX Pulley Bar and the winch cable will run over the top of it as shown below.



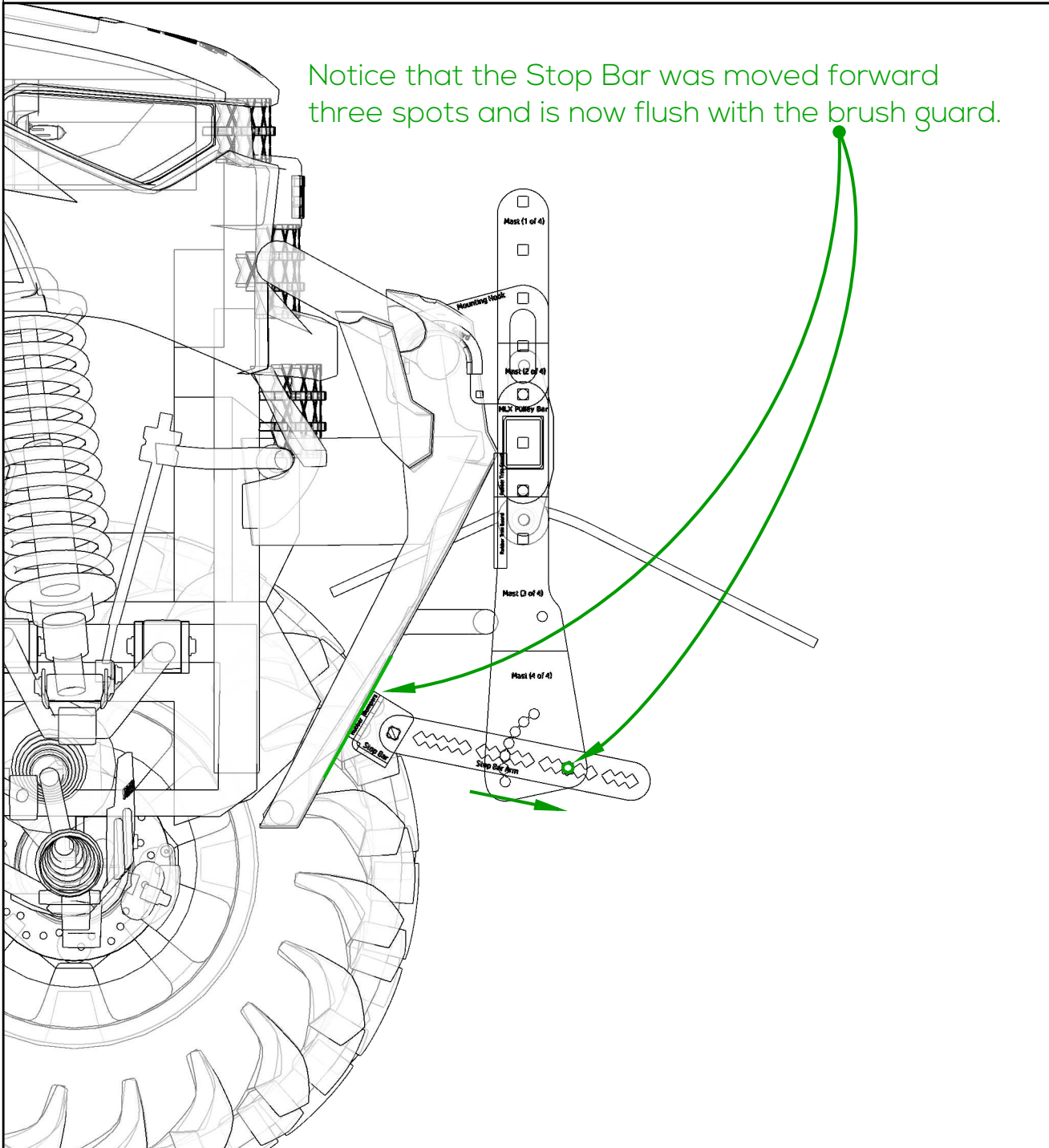
STOP BAR

For the benefit of this illustration, this image shows the UTV, but without the front right wheel.



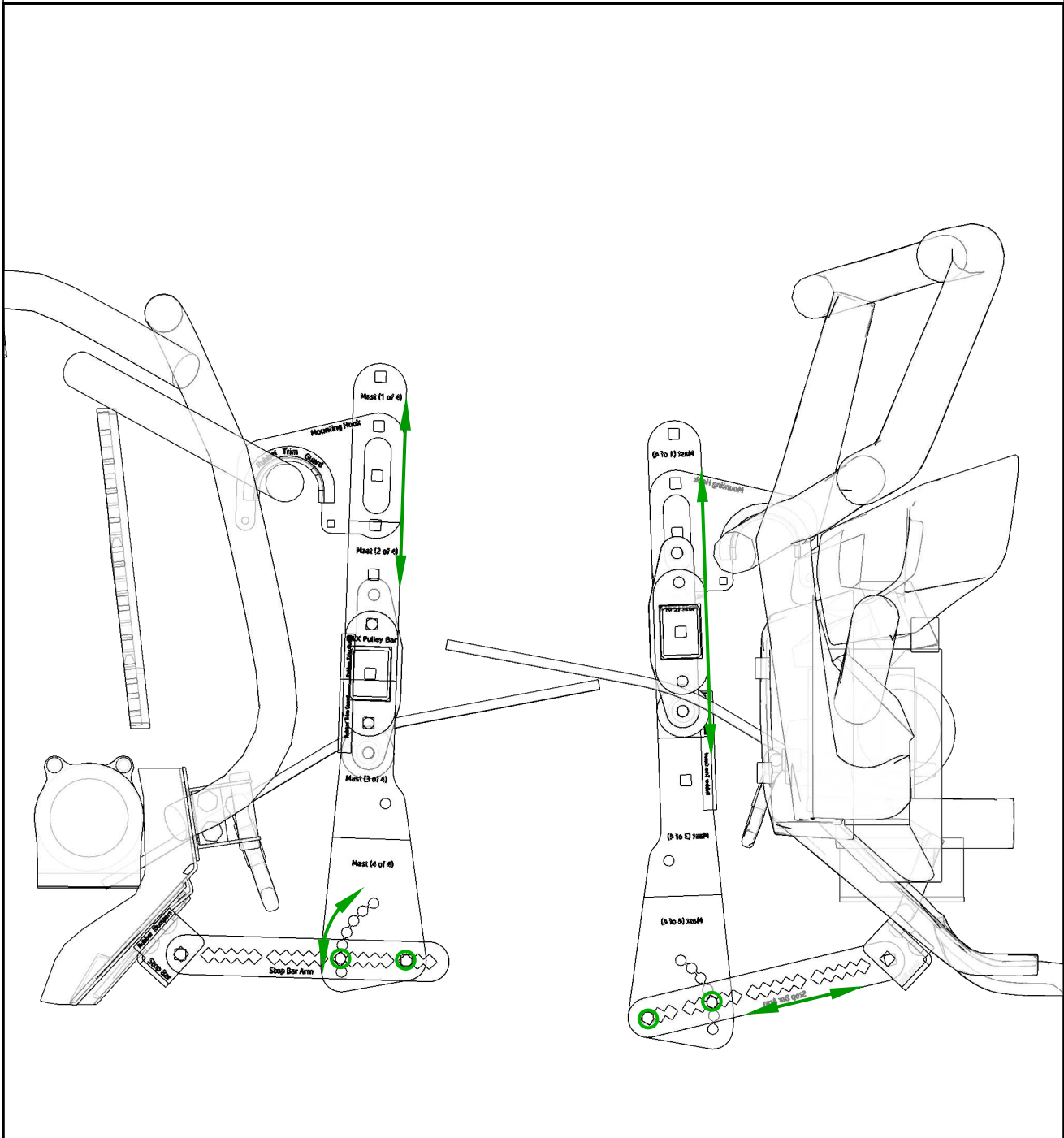
STOP BAR

For the benefit of this illustration, this image shows the UTV, but without the front right wheel.



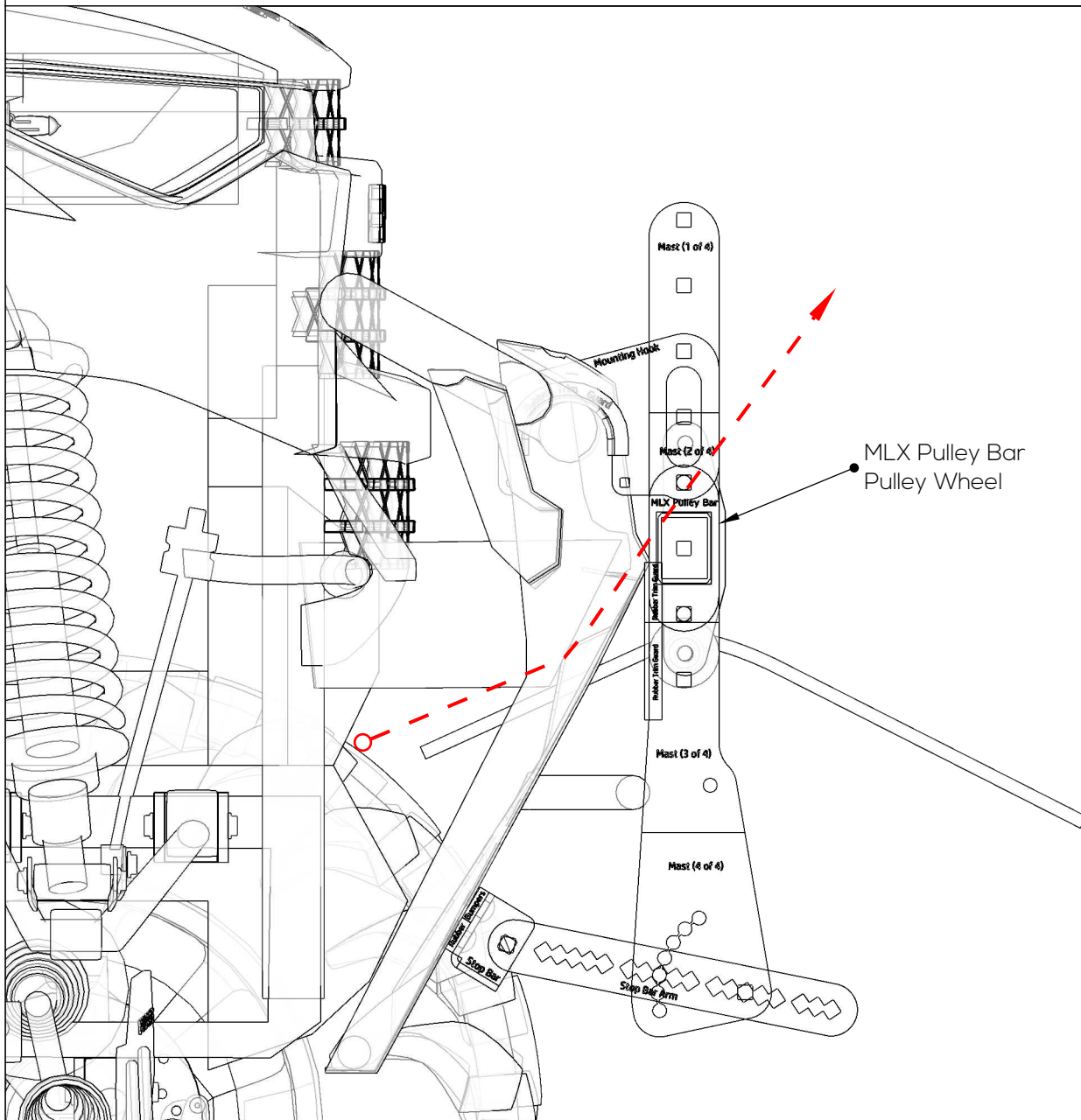
STOP BAR

Depending on the brush guard design, you may need to rotate the Stop Bar Arms, move them forward or backward, adjust the Mounting Hook location, adjust the MLX Pulley Bar, or all of the above.



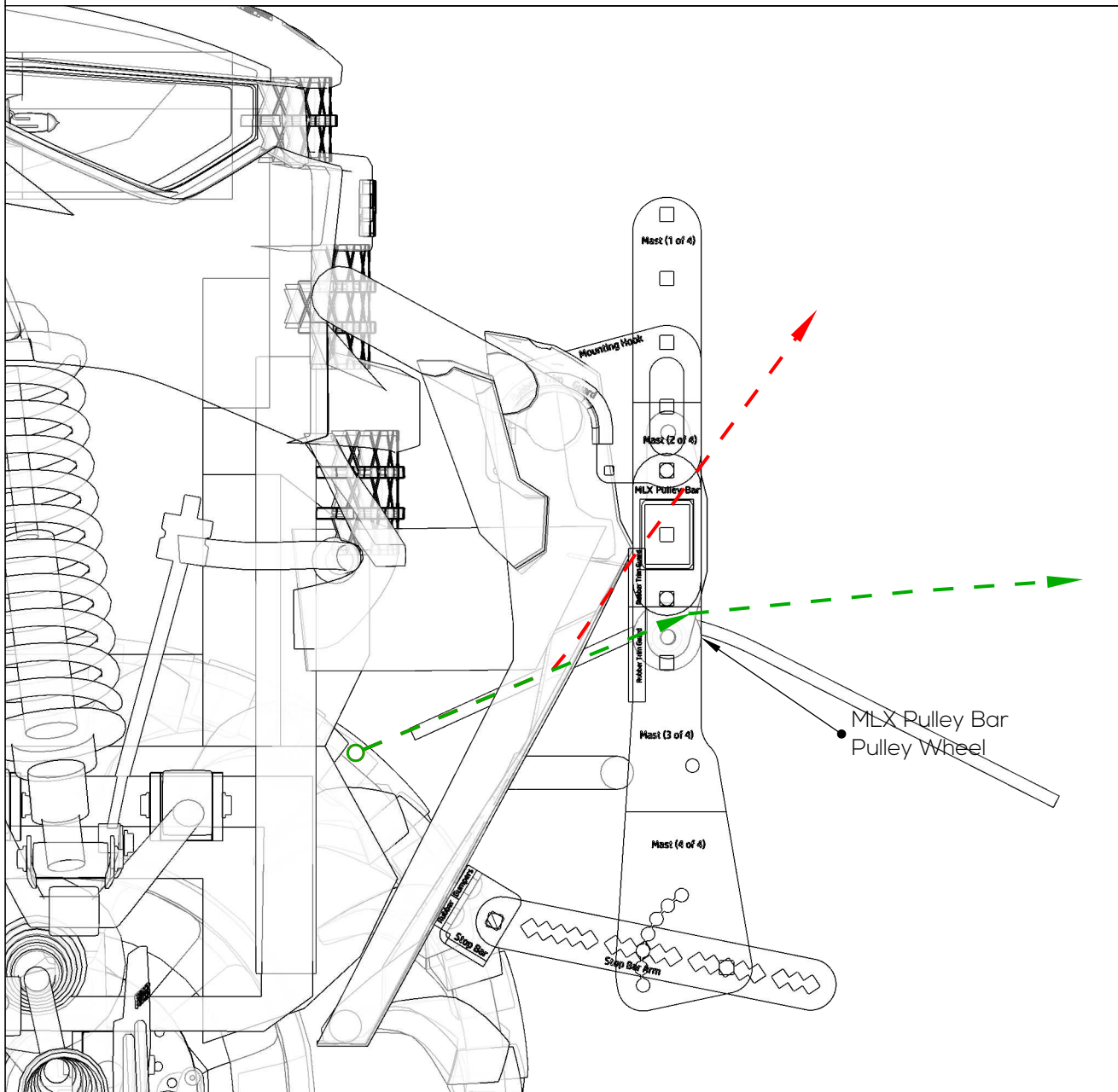
MLX PULLEY BAR

In this example, notice that the UTV's winch cable is exiting the brush guard at a steep upward angle in order go over the pulley wheel of the MLX Pulley Bar. If this results in the winch cable striking the brush guard, that could cause the winch cable to break when under pressure. To adjust for this, we want to move the MLX Pulley Bar down the Mast such that the winch cable exits the brush guard parallel with the ground, or at a slight upward angle.



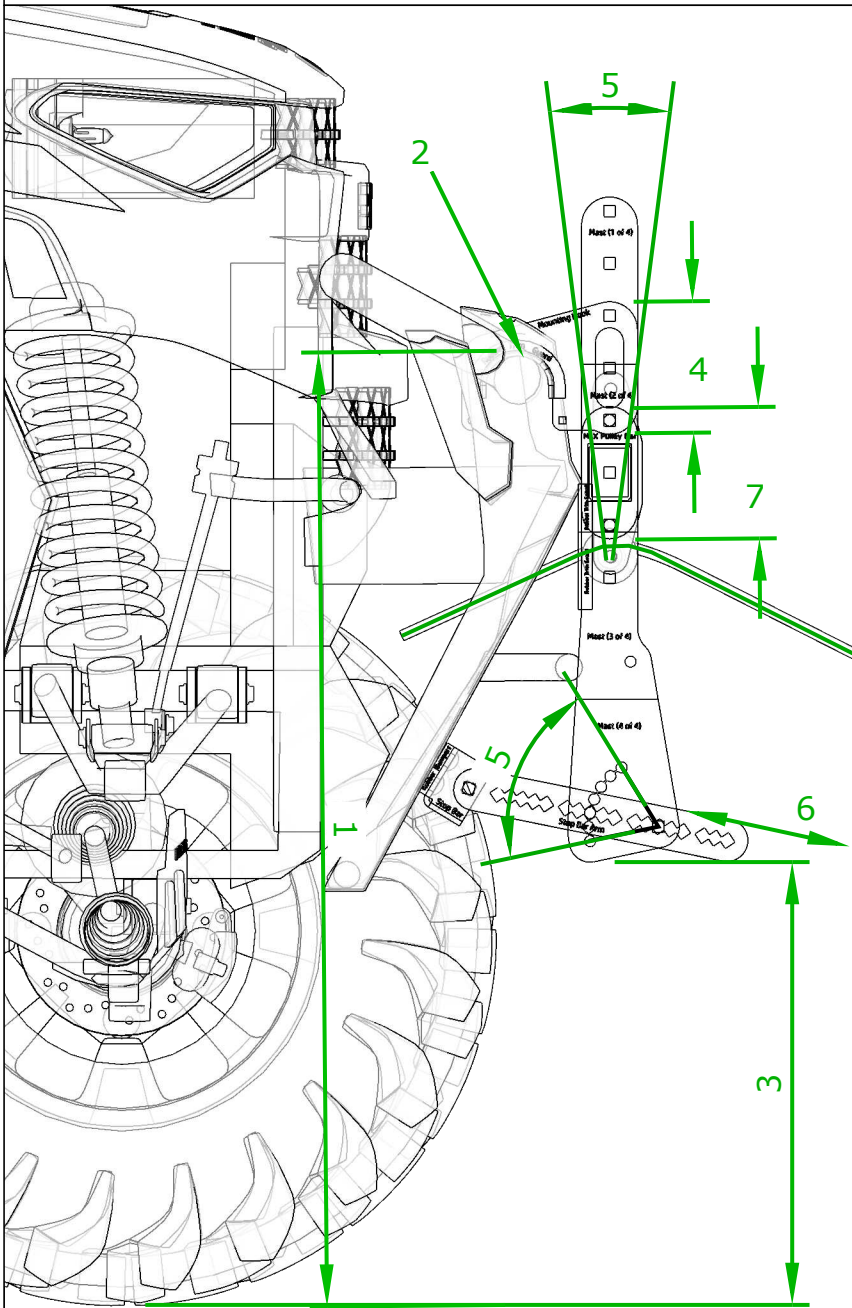
MLX PULLEY BAR

By moving the MLX Pulley Bar down two holes notch such that its top hole aligns with the bottom hole of the Mounting Hooks and aligns with the 5th hole of the Mast, we have positioned the MLX Pulley Bar pulley wheel in a way that causes the winch cable to exit the brush guard at a slight upward angle.



COMPATIBILITY CHECK COMPLETE

You have completed the compatibility check. Once you unbox your MLX, make sure to assemble the hooks, Mast, and Stop Bar Arms in the same arrangement as you did with your cutouts.



[] 1. Brush Guard Height From Ground

[] 2. Length and Diameter of Brush Guard Horizontal Bar That MLX Will Hang On

[] 3. Height of Bottom of the MAST From the Ground

[] 4. Mounting Hook Selection and Adjustments

[] 5. Stop Bar Arm Angle Adjustments

[] 6. Stop Bar Arm Linear Adjustments

[] 7. MLX Pulley Bar Vertical Adjustments

Notes



After having reviewed this manual, if you still are unsure of whether the MLX will work for you UTV, call us at (850) 316-4639, or email us at info@modliftx.com.

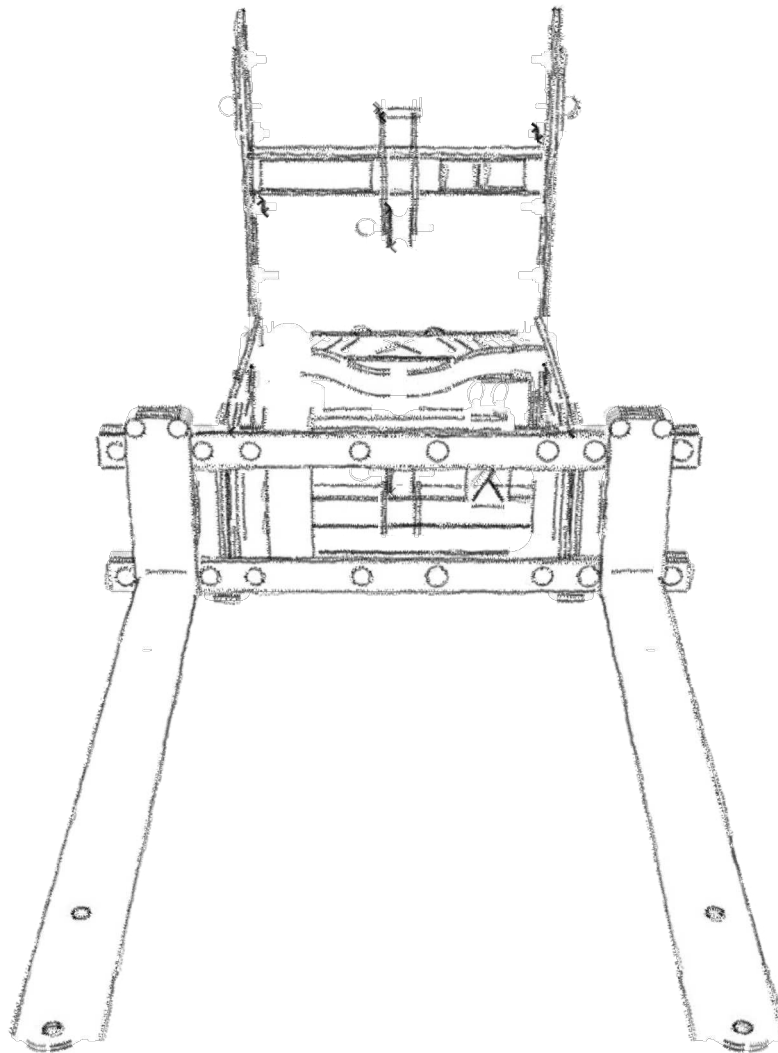
We'll follow up with you right away.

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MLX COMPATIBILITY GUIDE



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