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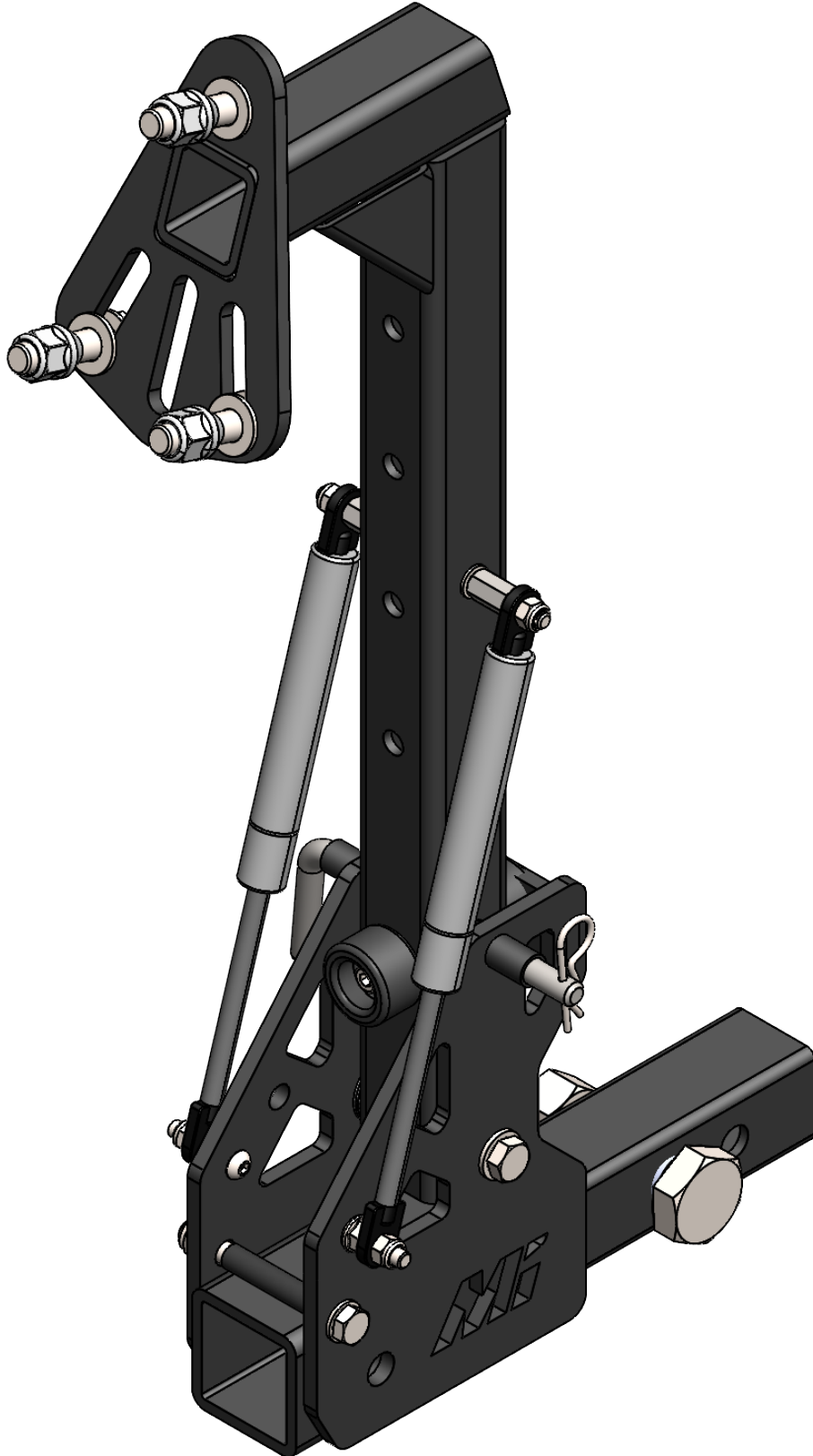
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MIRACK

GEN3 TILTING SPARE WHEEL CARRIER

OWNERS MANUAL AND
INSTALLATION INSTRUCTIONS.



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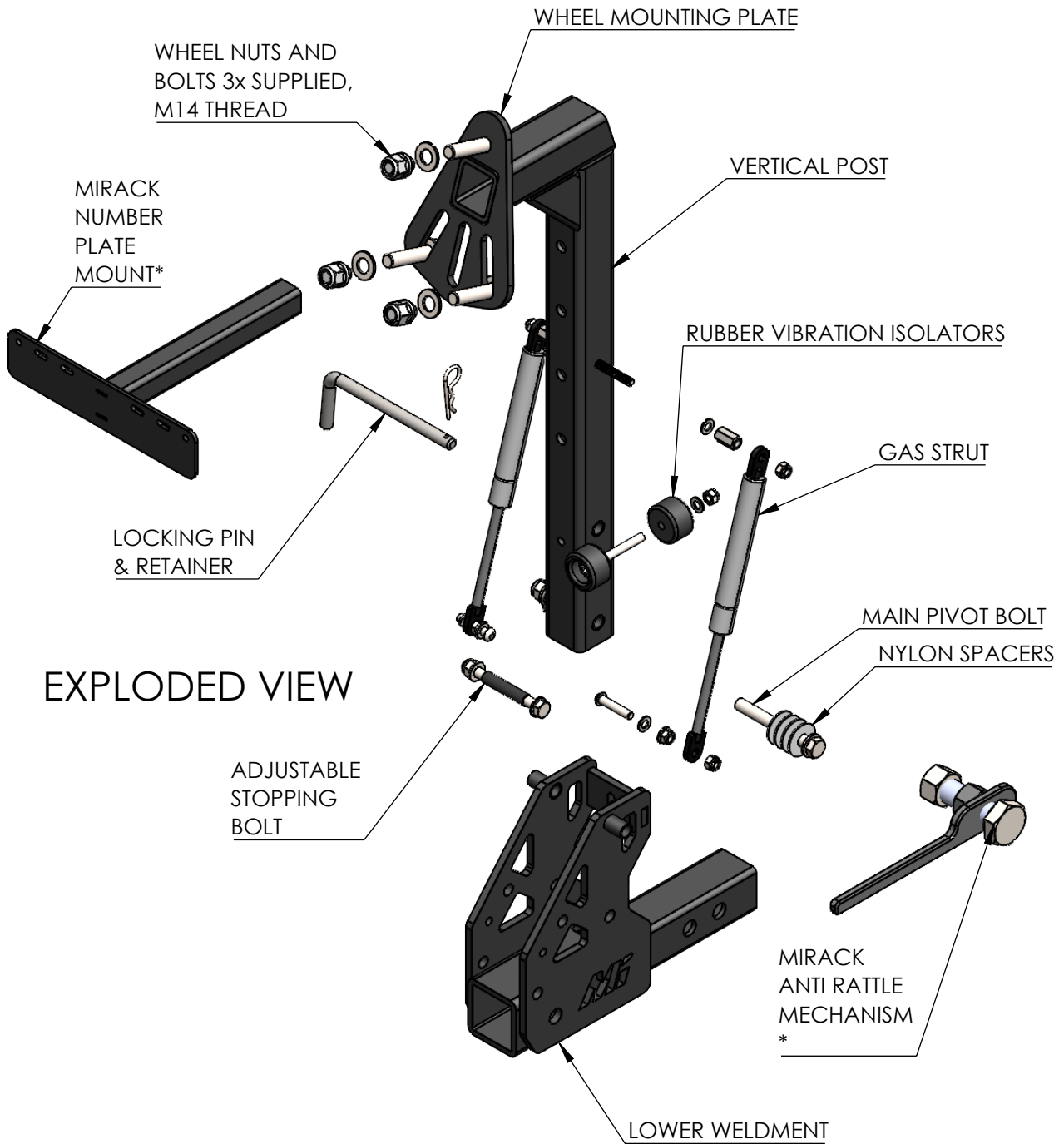
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GEN3 TILTING SPARE WHEEL CARRIER PARTS AND ASSEMBLY



NOTES:
* NUMBER PLATE RELOCATOR AND ANTI RATTLE MECHANISM SOLD SEPARATELY.

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FIRST NOTES:

The tolerances (gaps) for bolts and pins used in this design are TIGHT. This is to ensure rigid functionality and minimal slop, wobble, and fatigue. The main pivot bolt may require some light pressure to insert inside the pivot sleeve, be careful not to damage the thread, do not use a sharp object to force into place, use a flat surface and lightly tap through the assembly if required. This will loosen over time and become easier to service after it is worn in. It is a good idea to disassemble after each trip, apply more grease into the pivot sleeve and reassemble to ensure smooth operation.

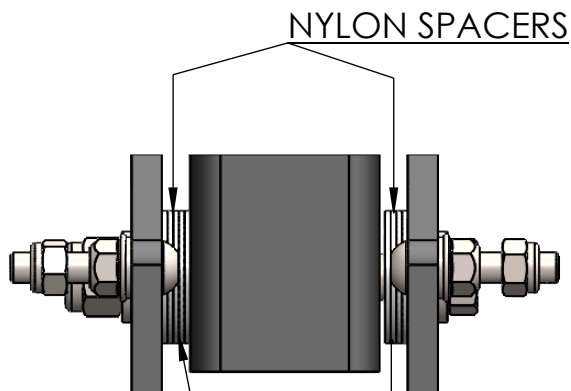
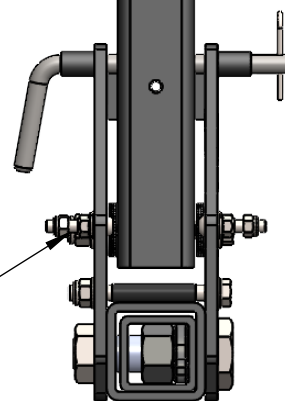
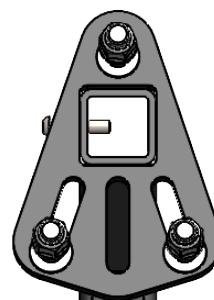
DO NOT TOW MORE THAN 2T WITH THIS PRODUCT. It is rated and ADR certified to the above rating and a 200kg downball rating. Please note if your towbar has a LOWER rating, that is the weakest link and will be the limiting factor in this arrangement. If your towbar is rated for less than 2T that will be the MAX rating.

STEP 1:

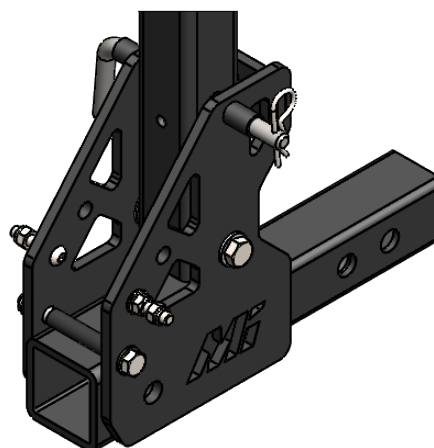
Position vertical post into lower weldment and secure with locking pin, this will allow you to line up the main pivot hole with the side plates and push the pivot bolt through with spacers provided. You will need to use 4x spacers on one side, and 5x on the other.

STEP 2:

Tighten main pivot bolt until there is no wobble. There should be friction in the main pivot point but it must still operate smoothly. Do not overtighten. Periodically check tension after travel, tighten further as required.



4 SPACERS ONE SIDE, 5 ON THE OTHER.



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STEP 3:

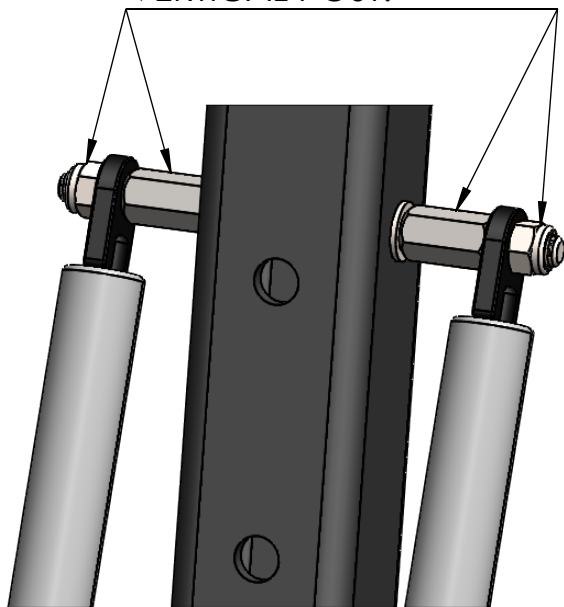
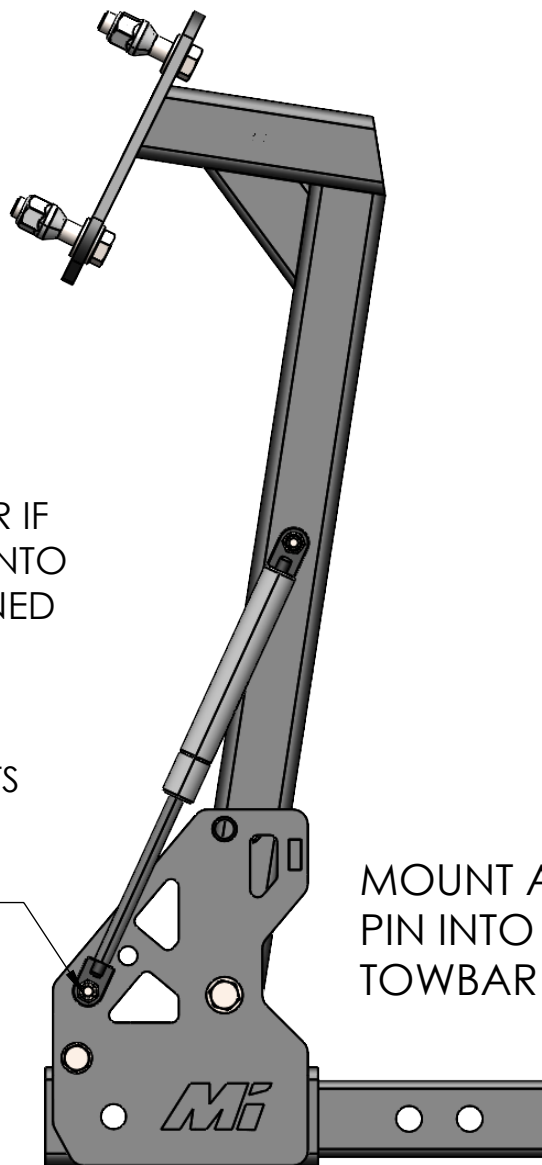
Position vertical post into rearward position to allow strut mounting on the lower bolt and upper threaded rod parts. Remove locking pin and tilt backwards. Tighten top and bottom nuts until there is slight tension against the strut ends but ensure that it still moves freely without binding.

THIS NEXT STEPS ARE ALWAYS EASIER IF THE LOWER ASSEMBLY IS INSERTED INTO YOUR VEHICLES TOWBAR AND PINNED OFF BEFOREHAND!

TIGHTEN LOWER BOLTS AND NYLOC NUTS SECURING STRUT TO LOWER WELDMENT.

MOUNT AND PIN INTO TOWBAR

TIGHTEN HEX COUPLINGS BOTH SIDE AS WELL AS NYLOC NUTS EITHER SIDE SECURING STRUT TO THE VERTICAL POST.



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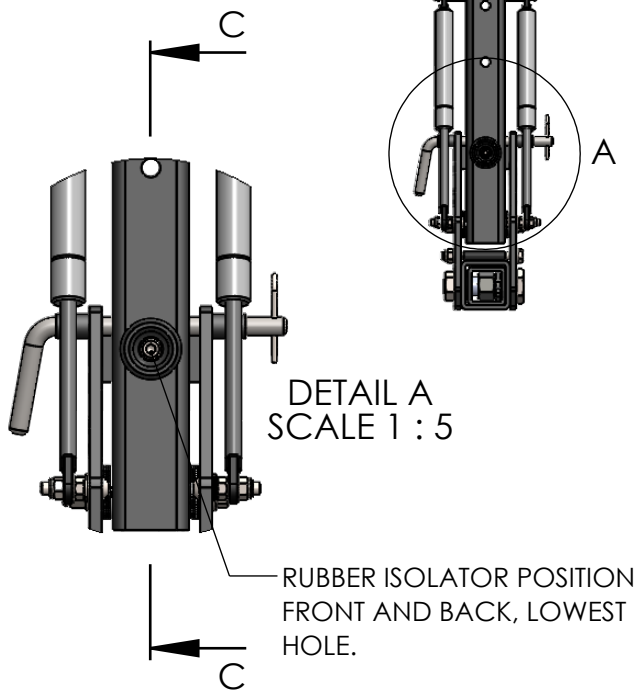
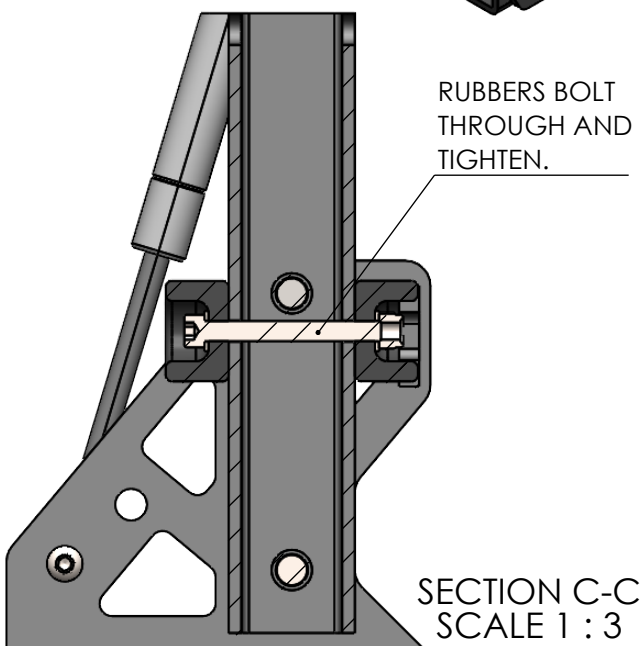
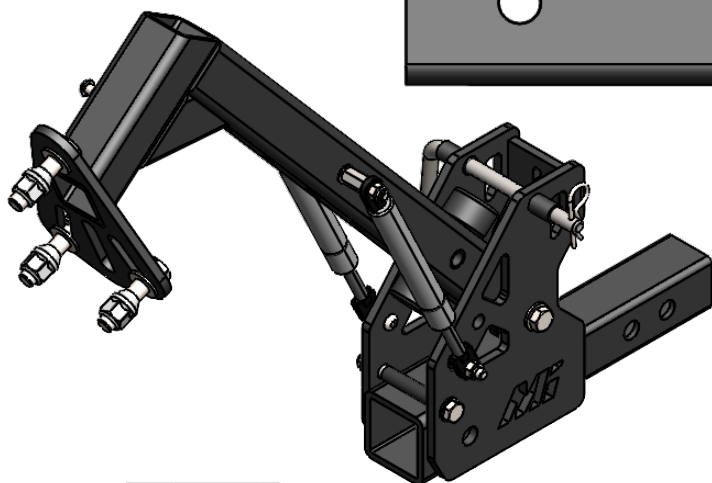
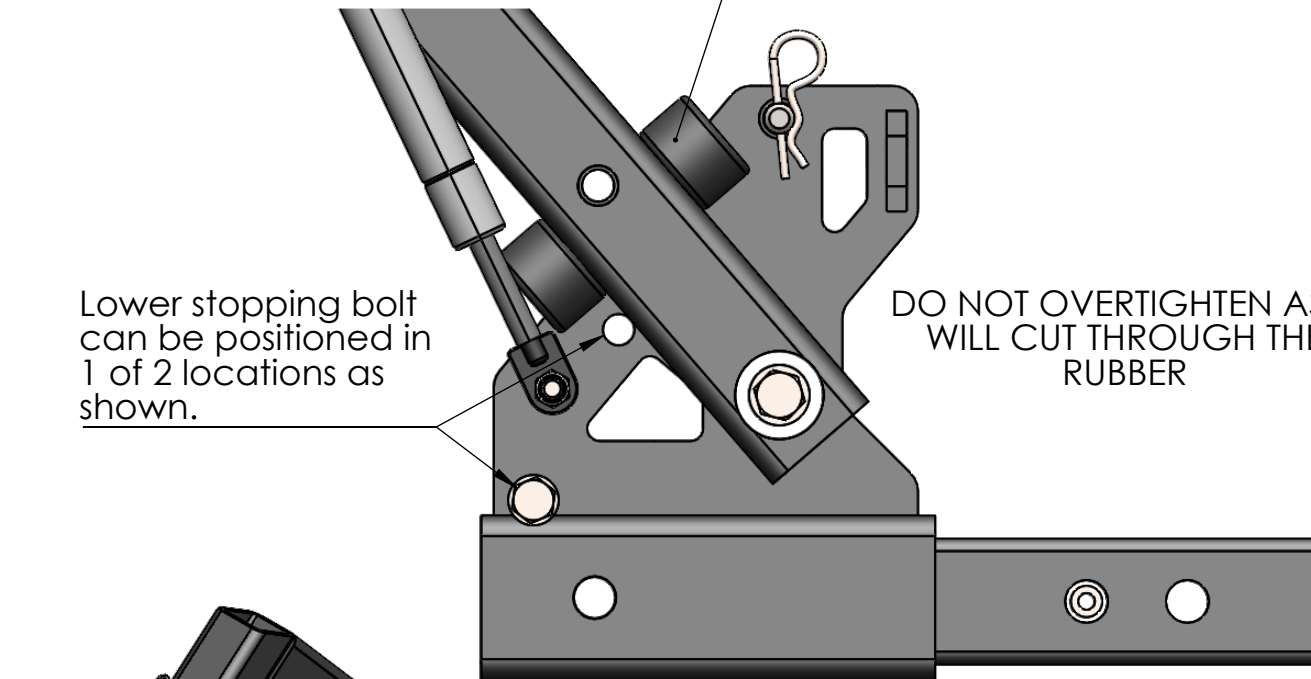
STEP 4:

Mount rubber vibration isolators to front and back of vertical post.

THIS STEP MAY BE EASIER ONCE WHEEL IS MOUNTED TO ALLOW STRUTS TO COMPRESS, CREATING SPACE FOR SOCKET/ALLEN KEY TIGHTENING RUBBER ISOLATORS FROM FRONT AND BACK.

Lower stopping bolt can be positioned in 1 of 2 locations as shown.

DO NOT OVERTIGHTEN AS IT WILL CUT THROUGH THE RUBBER



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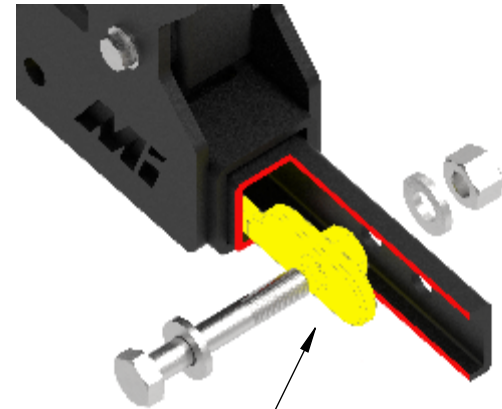
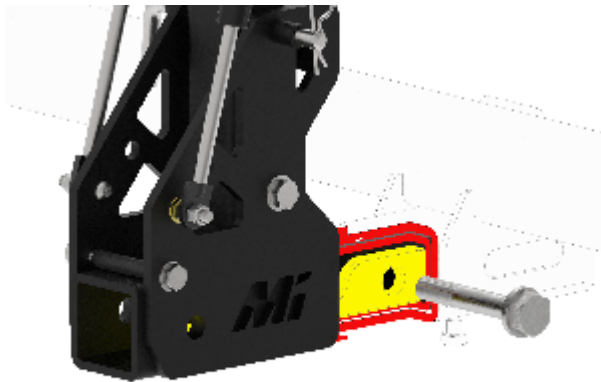
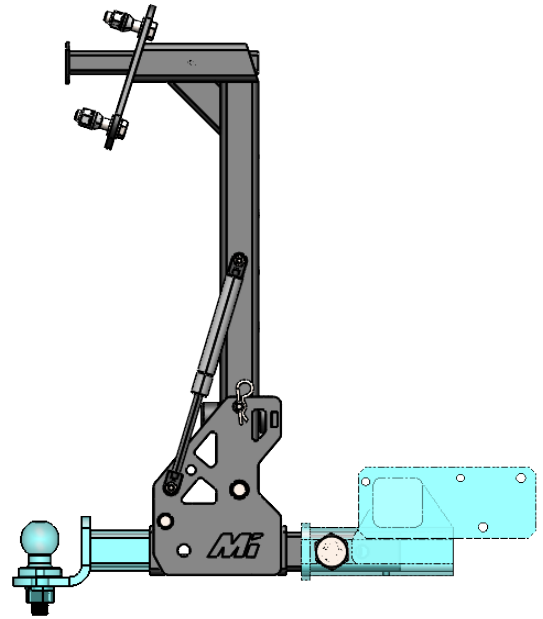
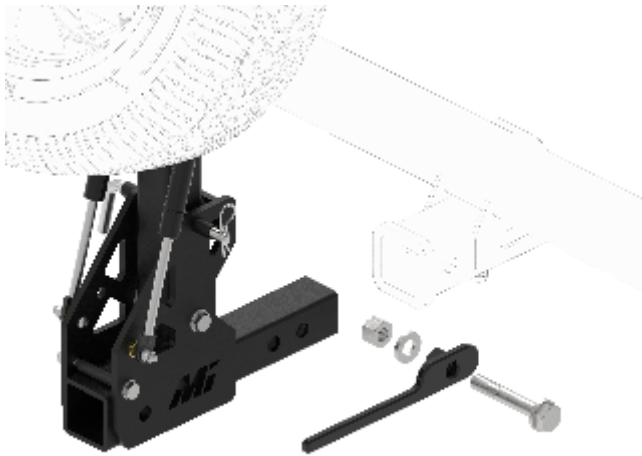
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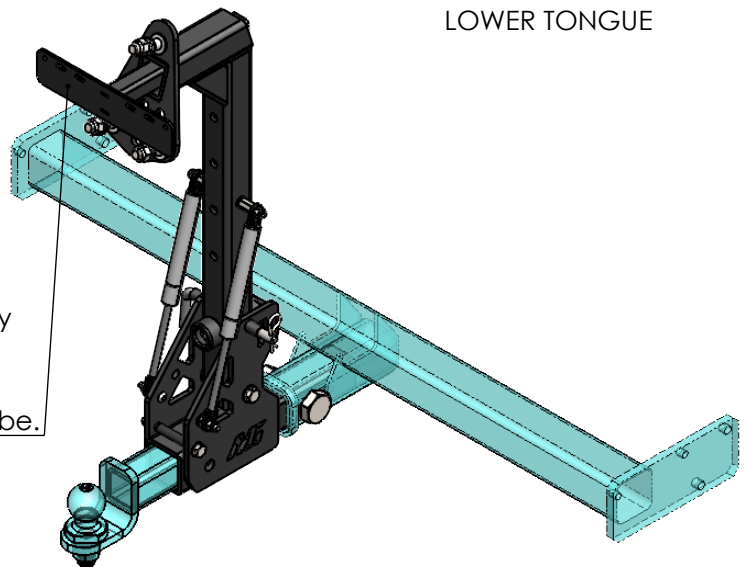
STEP 5:

Once carrier is pinned into towbar using standard hitch pin or Mirack Anti Rattle Mechanism (SEE IMAGES BELOW), lift tyre onto top welded stud and tighten 3x wheel nuts for a 5 stud rim, or 2x wheel nuts for a 6 stud rim. Mounting plate is universal and has adjustment for 90-160mm PCD in both 5 and 6 stud patterns.



MIRACK ANTI RATTLE MECHANISM POSITIONED INSIDE TILTING CARRIER LOWER TONGUE

Mirack Number Plate Relocator sold separately and mounted through centre of rim using grub screw on side of insert tube.



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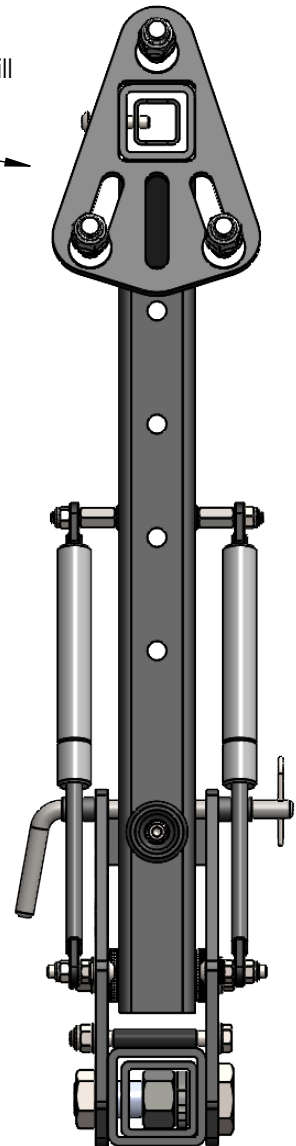
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STEP 5:

Secure spare tyre/rim to product using supplied M14 bolts with vehicle stud nuts. The top bolt is welded to allow for location of rim. 6 stud rim pattern will tighten using 2x total bolts (including top bolt), a 5 stud pattern will tighten using 3x bolts onto the Mirack universal tyre mounting plate. Rims in a 6 stud pattern from 90-150mm will suit the standard mounting plate. Rims with a 5 stud pattern from 90-160mm will accept the mounting plate.



FINAL STEP:

Once tyre is fitted test the product for smooth functionality. If any binding or tightness is observed, contact Mirack Products for directions.

SAFETY NOTES / DISCLAIMERS

MIRACK PRODUCTS does not take responsibility for damages caused to persons or property caused by incorrect fitment, or usage of this product. Be safe, always practice safe towing procedures - including chaining to your vehicle hitch, NOT to this product. Do not exceed your vehicles safe towing limits. Do not overload this product. **DO NOT TOW MORE THAN 2T WITH THIS PRODUCT.** Always ensure towing pins are secured with nuts and safety clips where possible, and that the locking pin securing the product vertical is always used when travelling. Always ensure fixtures are tightened and regularly checked for damage. Do NOT tamper with the gas struts fitted to this product. They are pressurized and can cause serious injury if damaged.