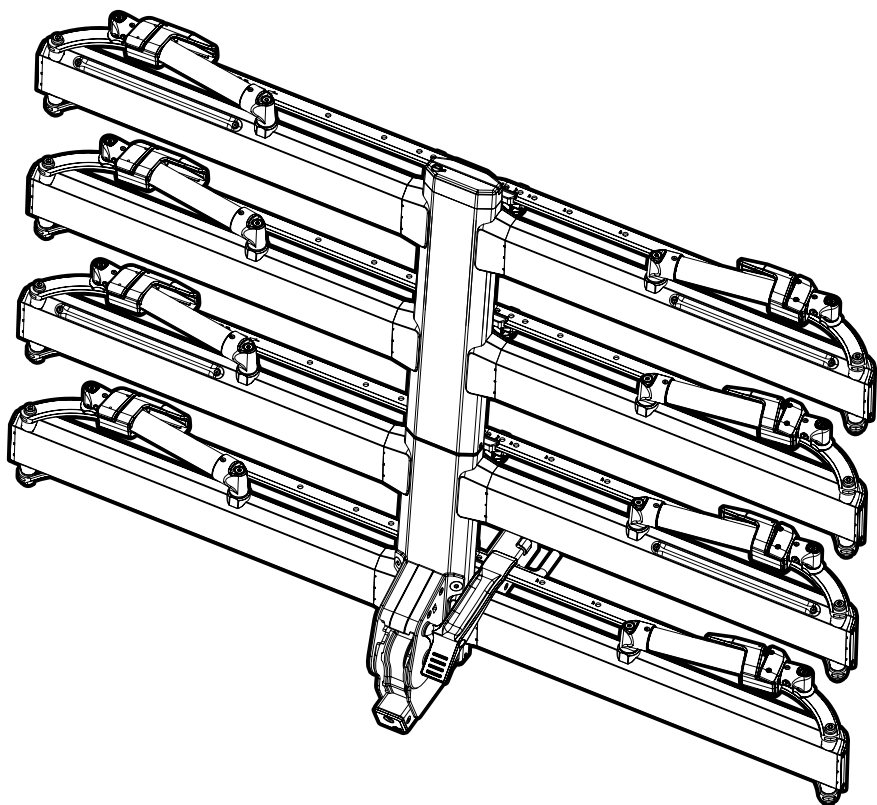




PISTON™ PRO X ADD-ON

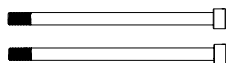
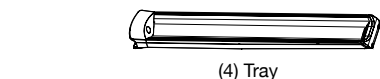
TWO BIKE

ASSEMBLY



ASSEMBLY VIDEO
<http://kuat.com/pa2/as>

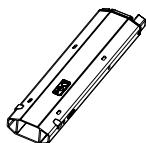
Parts



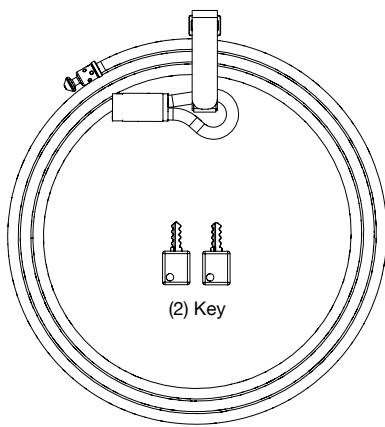
(2) M10 x 165 Bolt



(2) M10 Nut



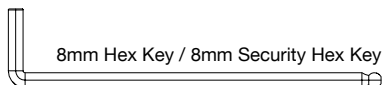
(1) Centerbeam Add-On



(2) Key

(1) Cable Lock

Tools



8mm Hex Key / 8mm Security Hex Key

1 Keep your struts clean! Just like your shifters and derailleurs, dirt, dust, and grime can work themselves into the mechanism resulting in sub-par performance. Periodically run a cloth around each Piston™ tube to keep your rack looking good and functioning smoothly.

2 Ensure tire cradles make contact with tires. Insufficient contact could result in bicycles becoming loose during travel. Each arm requires at least 1 click of engagement to ensure safe transport.

3 To solve any interference issues, bikes can be loaded in the same direction, or asymmetrically, as well adjusted left and right on their individual trays.

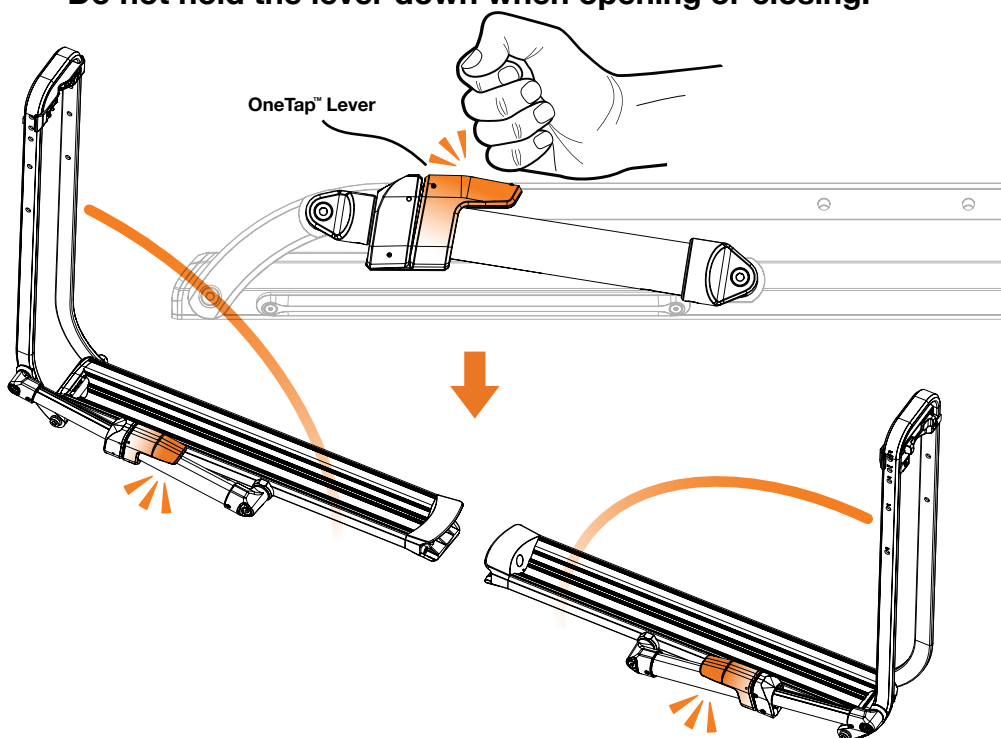
OneTap™ Operation

Opening Piston™ Add-On arms provides easier access to tray bolt and tray nut locations.

- 1 Your Piston™ Pro X Add-On arrived with security tabs beneath each OneTap™ lever to ensure safe shipping. Pull each tab upward to remove them and operate the levers.

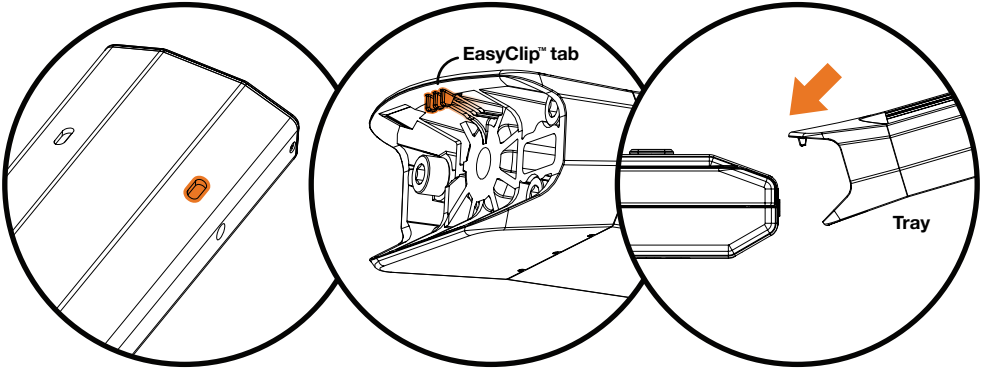
 **Dispose of tabs after assembly.**

- 2 Open each arm by tapping the OneTap™ levers.
Do not hold the lever down when opening or closing.



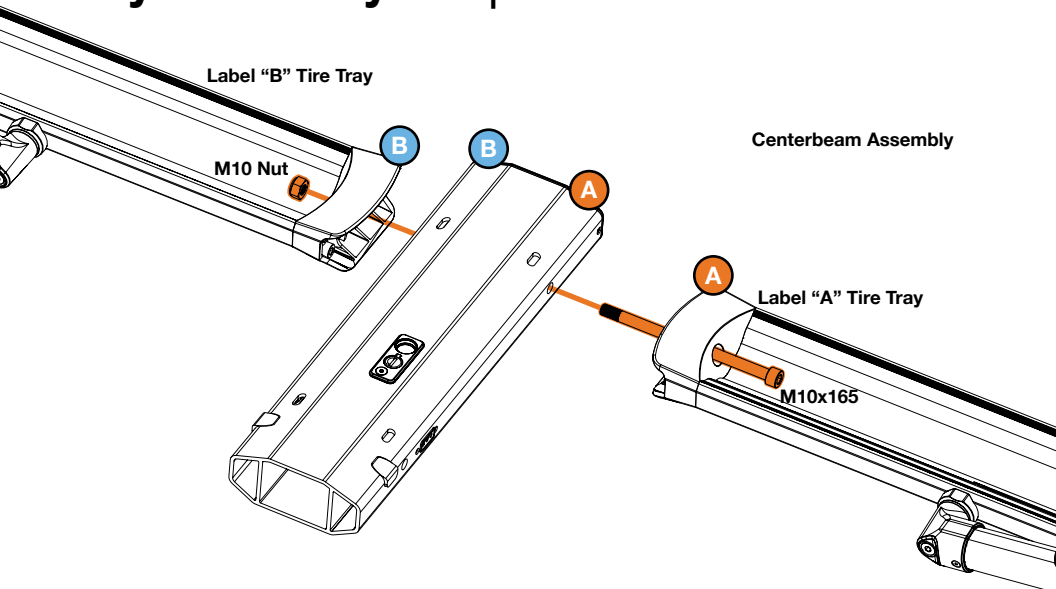
Tray Assembly - Part 1

- 1 Each Piston™ Pro X Add-On tire tray features an EasyClip™ tab that will hook into a slot on the centerbeam, allowing the tire tray to hang in place during assembly.

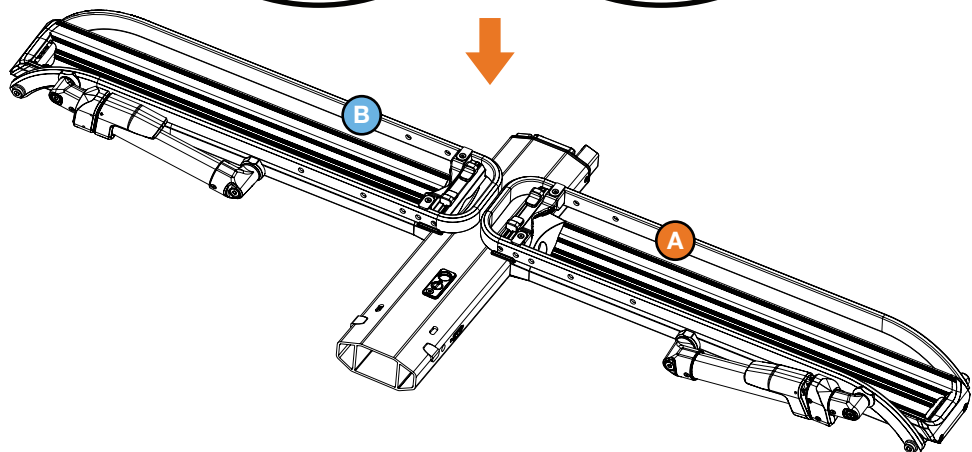
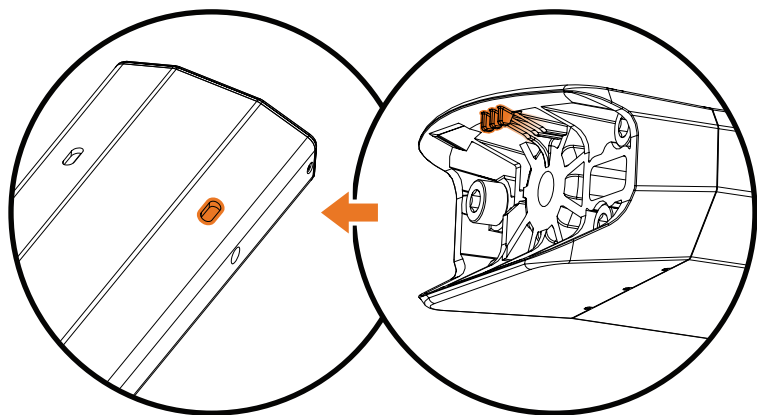
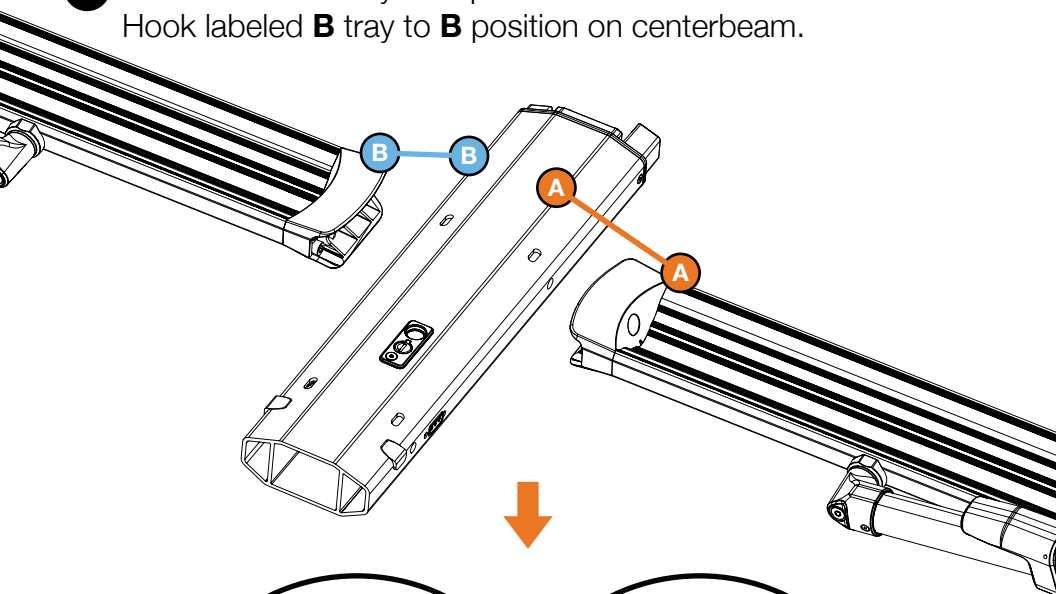


 Angle tire tray to help guide tab as it clips into slot.

Tray Assembly - Expanded View

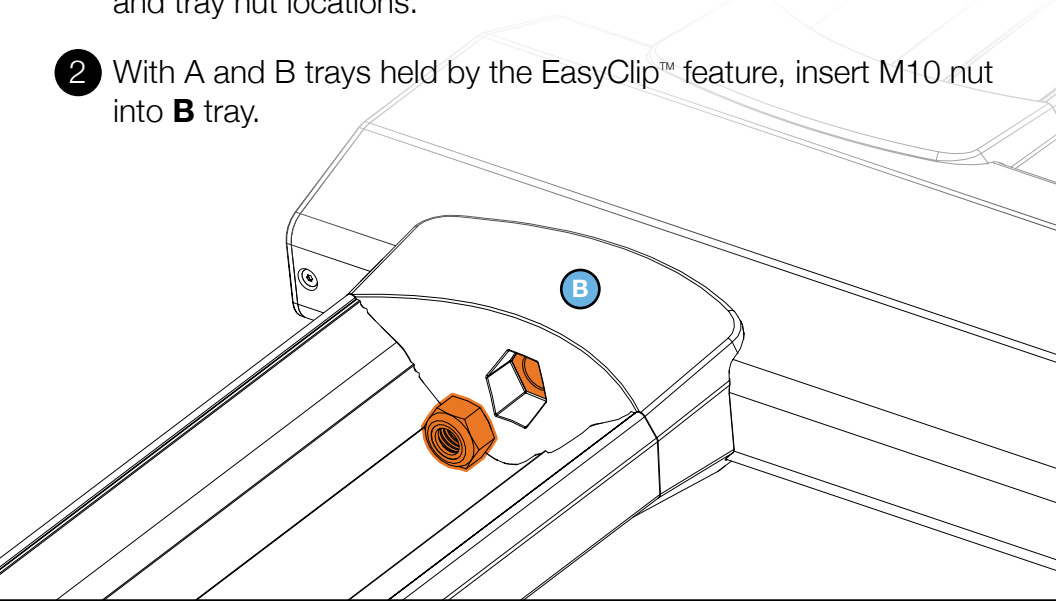


- 2 Hook labeled **A** tray to **A** position on centerbeam.
Hook labeled **B** tray to **B** position on centerbeam.

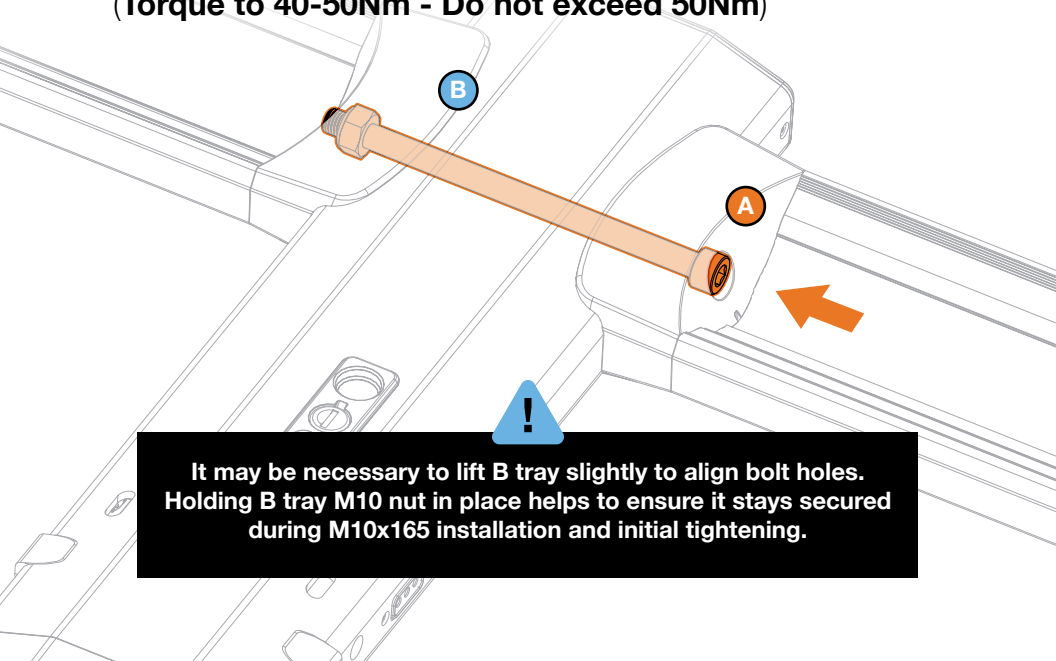


Tray Assembly - Part 2

- 1 Opening Piston™ Pro X arms provides easier access to tray bolt and tray nut locations.
- 2 With A and B trays held by the EasyClip™ feature, insert M10 nut into **B** tray.

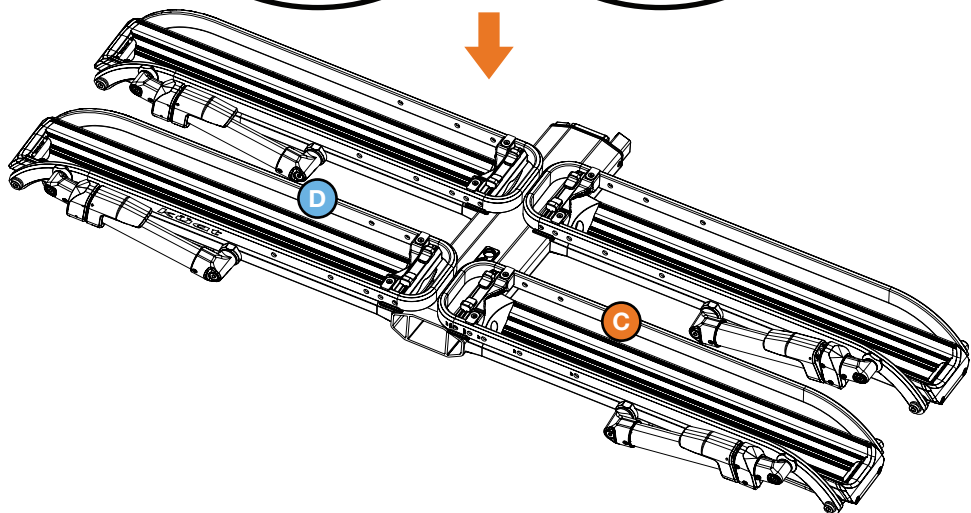
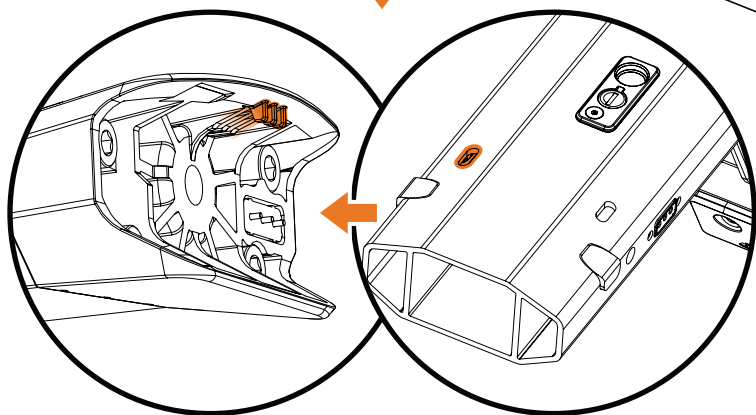
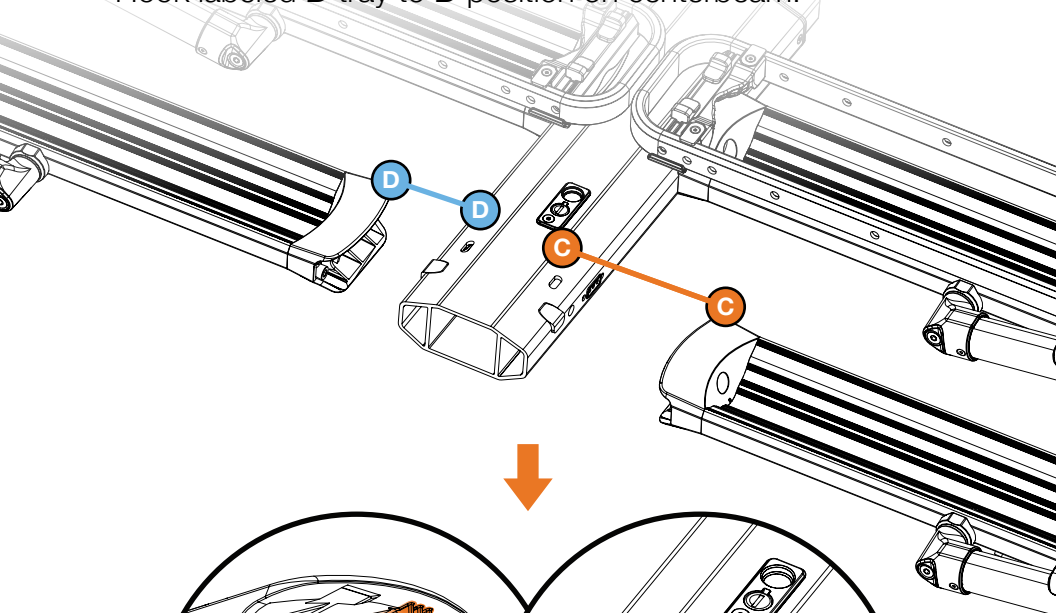


- 3 With M10 nut in place, insert M10x165 into A tray, through centerbeam, and into M10 nut. Tighten with 8mm hex key. **(Torque to 40-50Nm - Do not exceed 50Nm)**



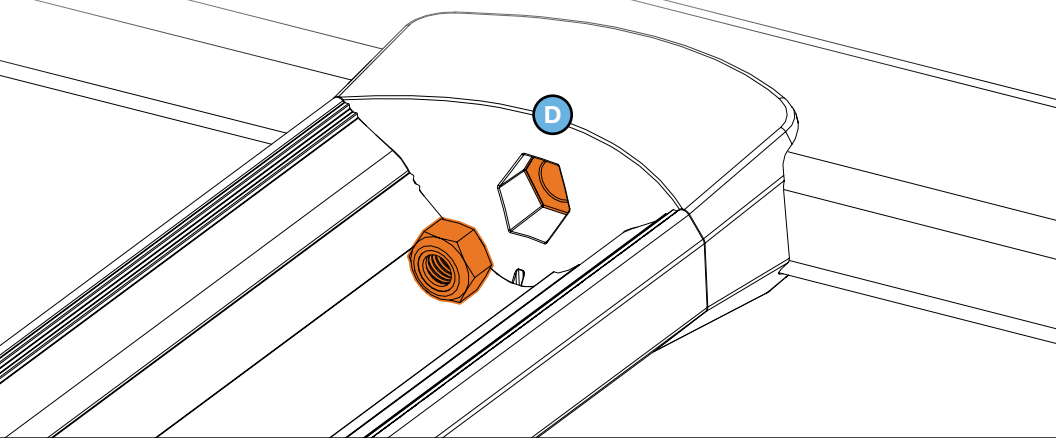
It may be necessary to lift B tray slightly to align bolt holes. Holding B tray M10 nut in place helps to ensure it stays secured during M10x165 installation and initial tightening.

- 4 Hook labeled **C** tray to **C** position on centerbeam.
Hook labeled **D** tray to **D** position on centerbeam.

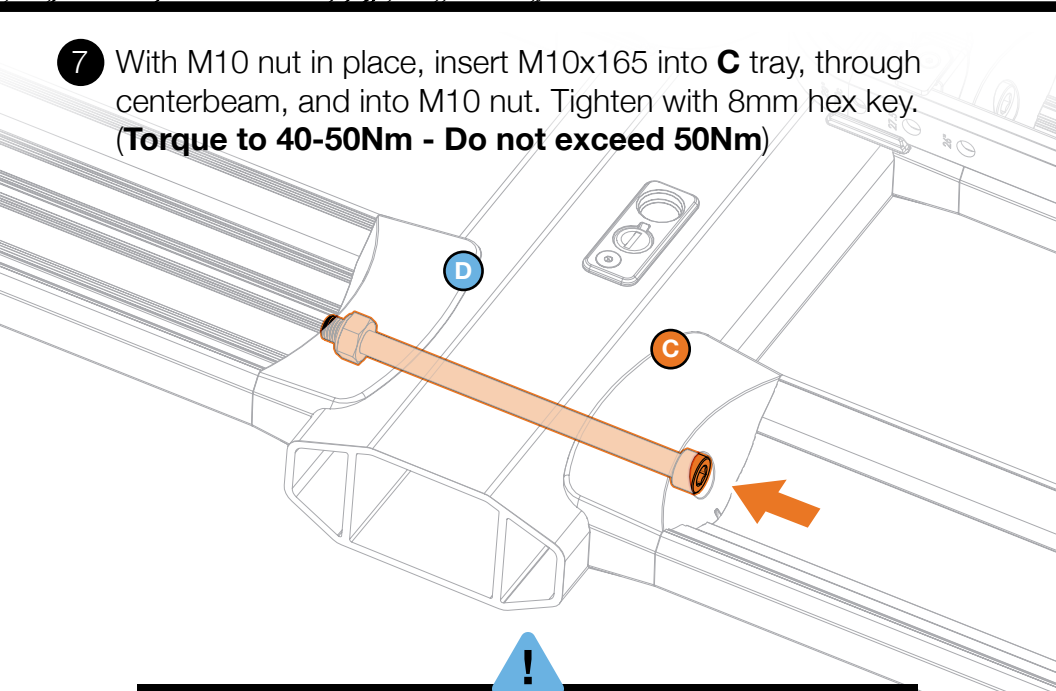


5 Opening Piston™ Pro X arms provides easier access to tray bolt and tray nut locations.

6 With **C** and **D** trays secured, insert M10 nut into **D** tray.



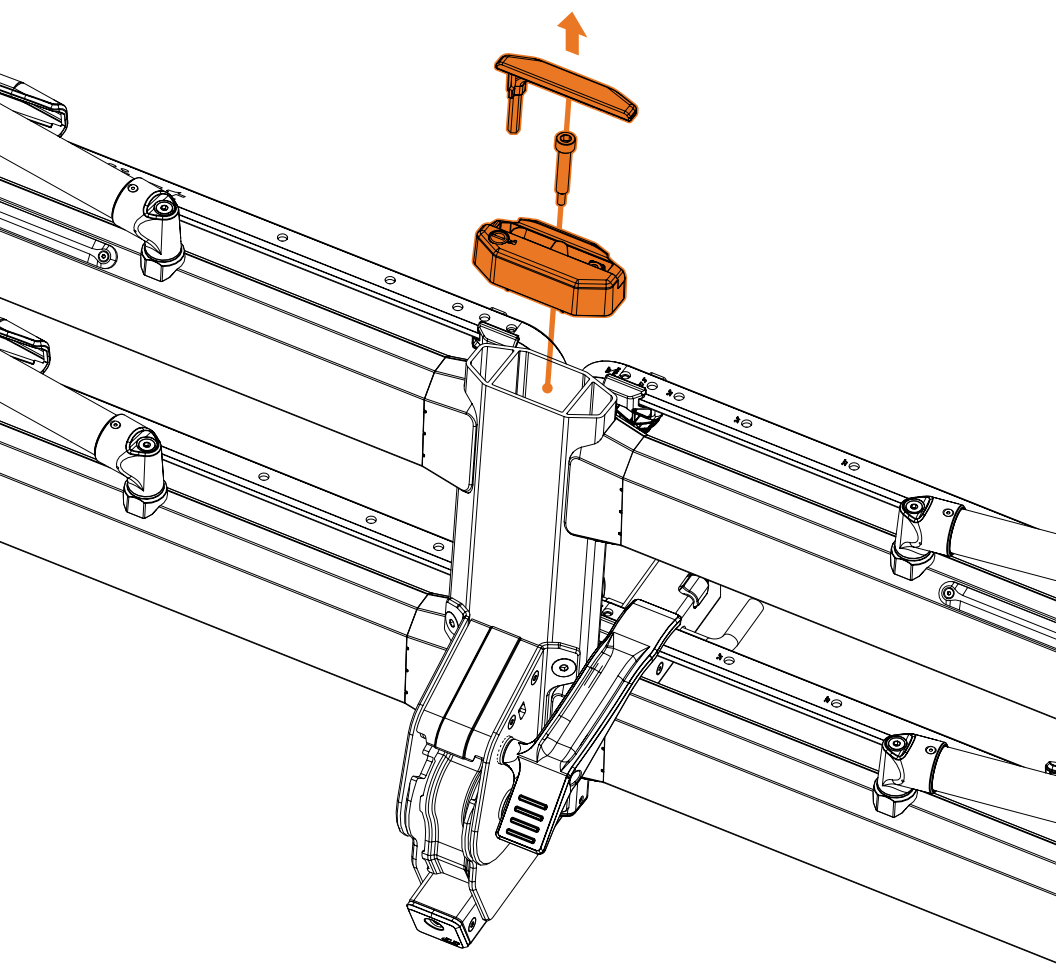
7 With M10 nut in place, insert M10x165 into **C** tray, through centerbeam, and into M10 nut. Tighten with 8mm hex key. **(Torque to 40-50Nm - Do not exceed 50Nm)**



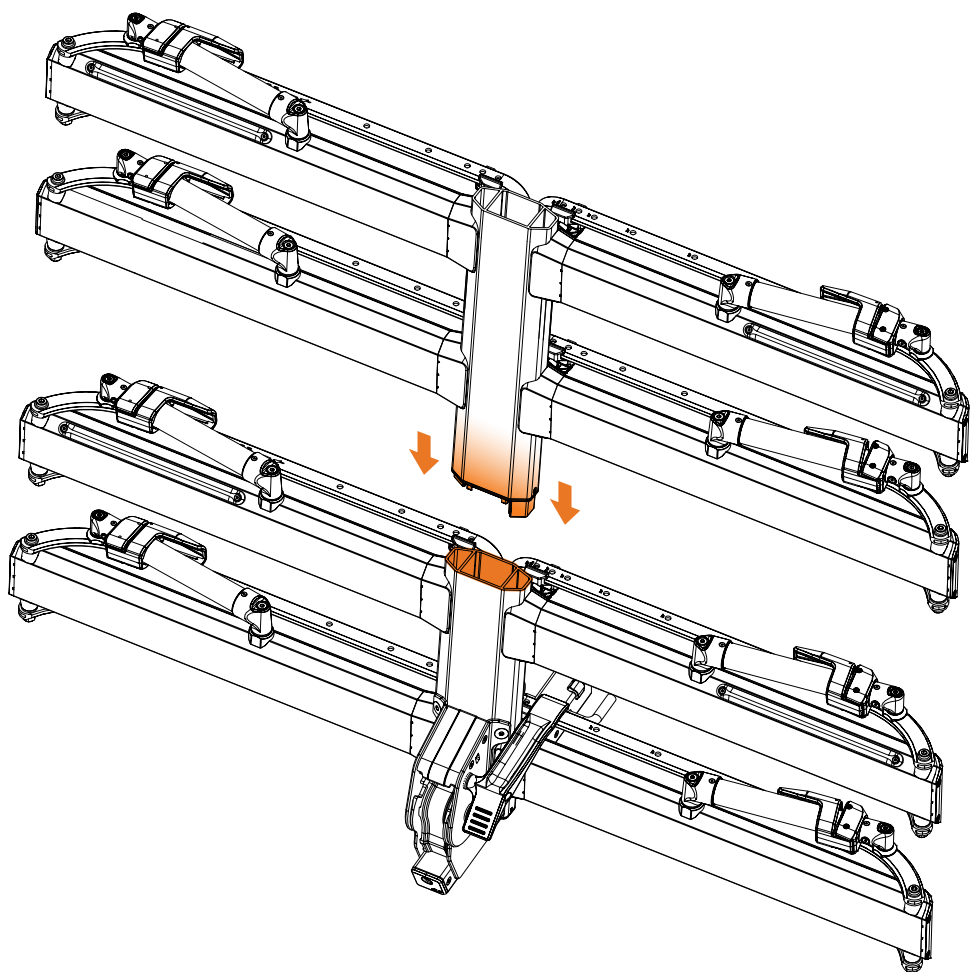
It may be necessary to lift **D** tray slightly to align bolt holes. Holding **D** tray M10 nut in place helps to ensure it stays secured during M10x165 installation and initial tightening.

Add-On Installation

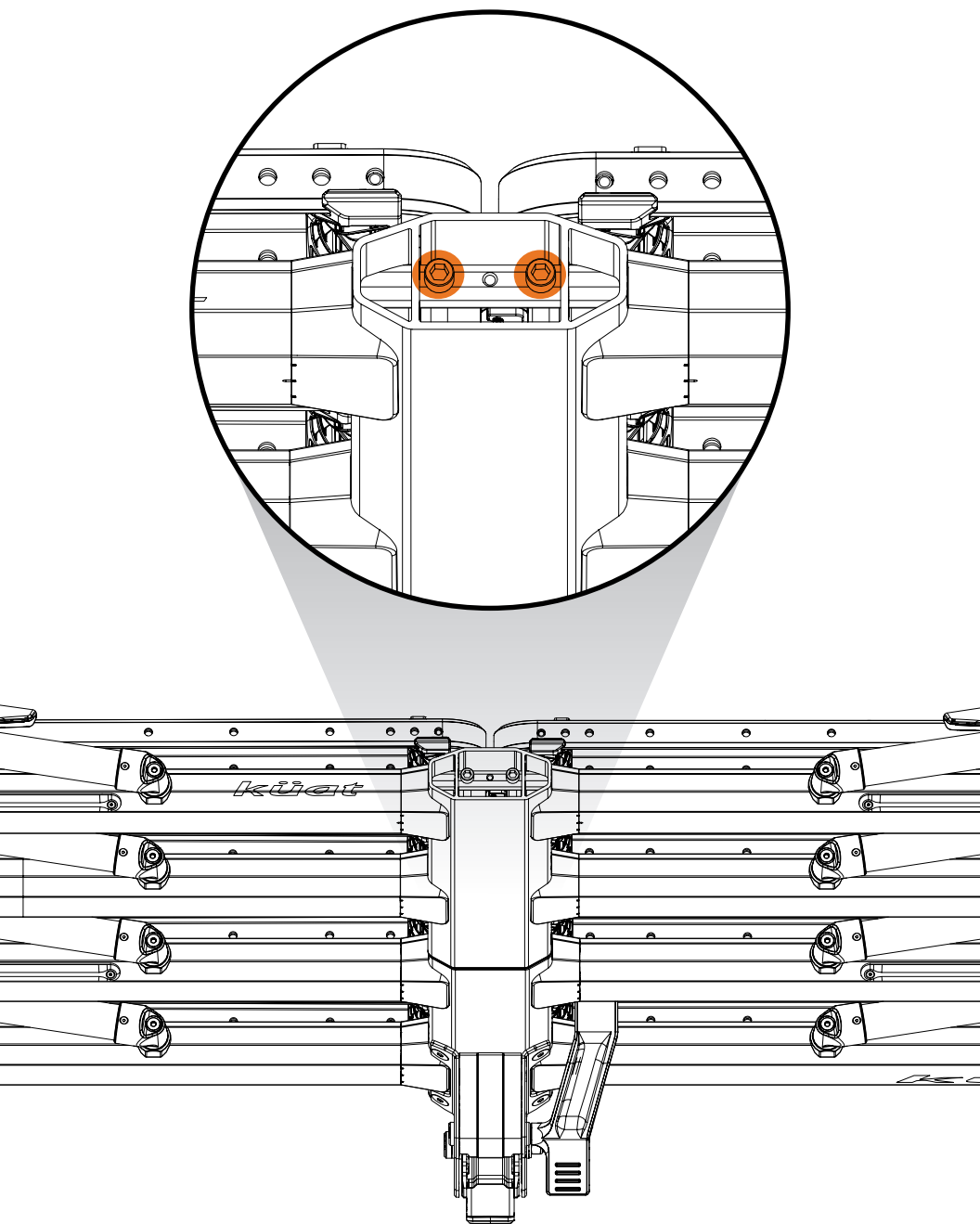
- 1 Unlock built-in 8mm security hex key and use to remove center bolt on endcap. Once bolt is removed, pull endcap from the end of main Piston™ Pro X centerbeam.



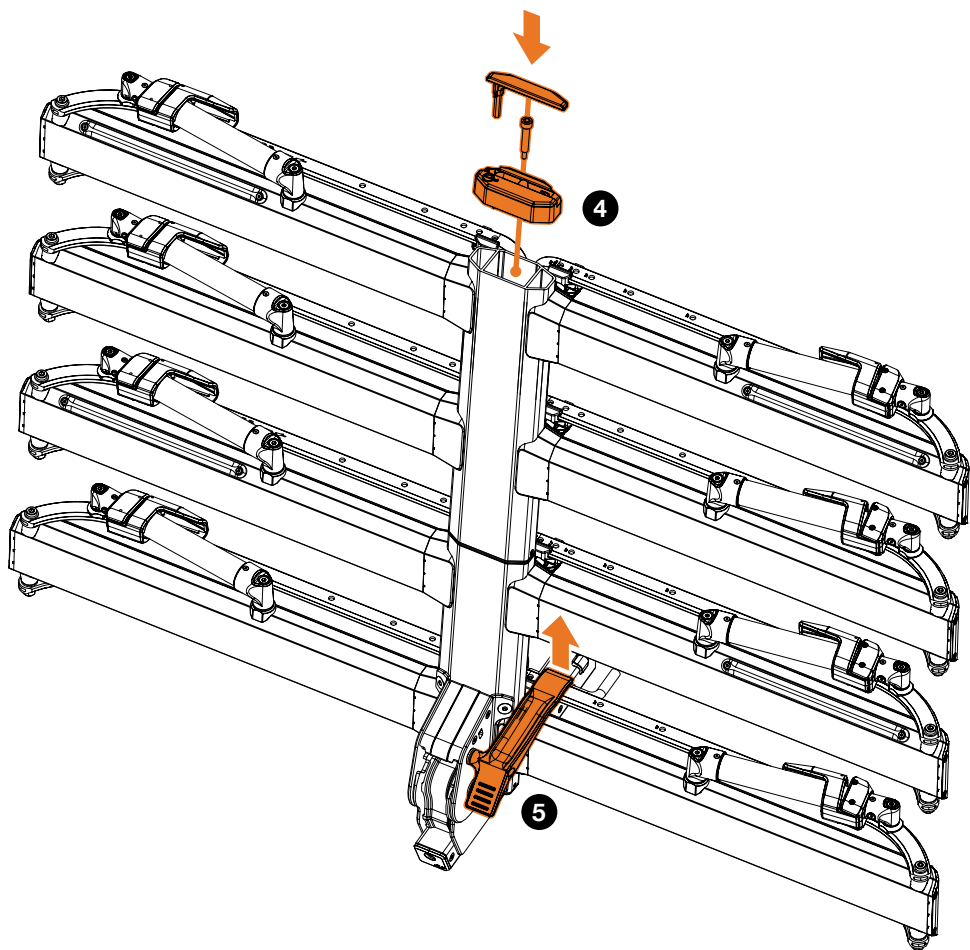
- 2 Insert Add-On into Piston™ Pro X. For an easier installation, we recommend inserting the Add-On with Piston™ already installed into your vehicle hitch.



- 3 Using the built-in 8mm security hex key, alternate tightening each bolt fully to **20-30 Nm**. (Do not exceed 30Nm)

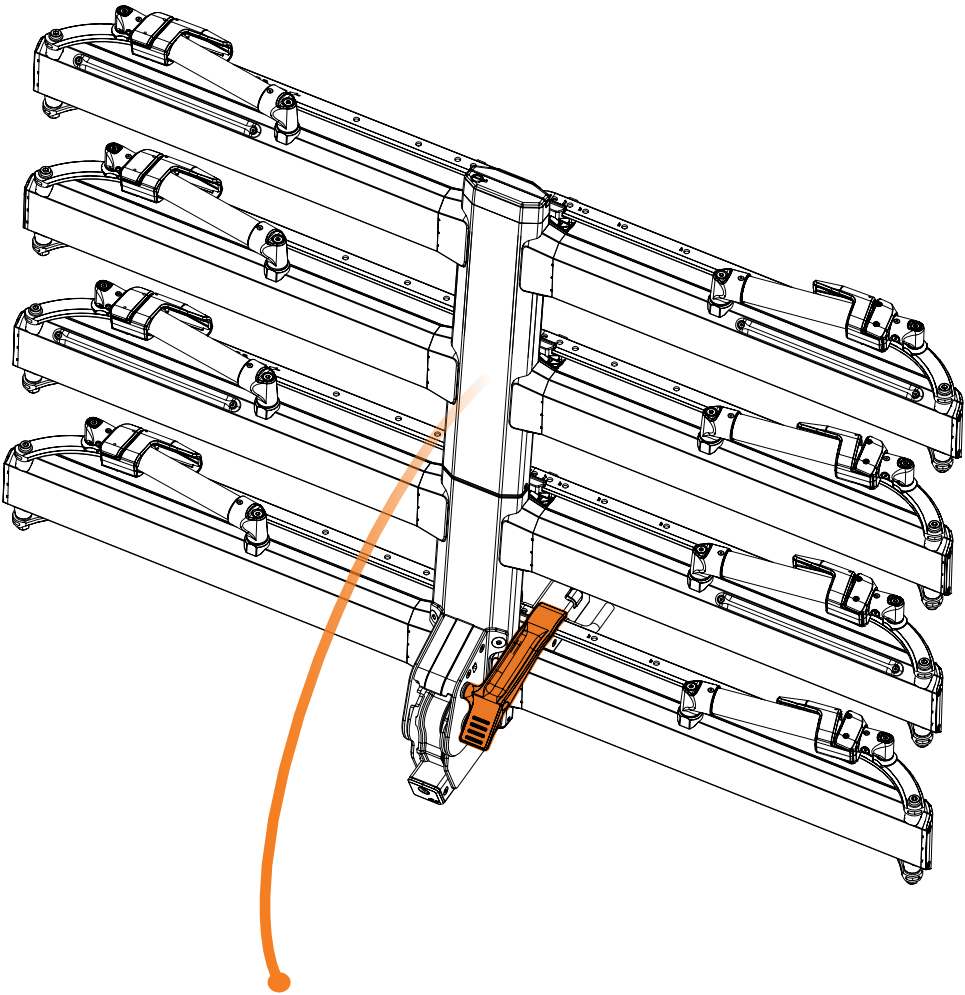


- 4 Reinstall Piston™ Endcap and tighten endcap bolt to **5-7Nm**. Install and secure security hex key into the new Add-On endcap.



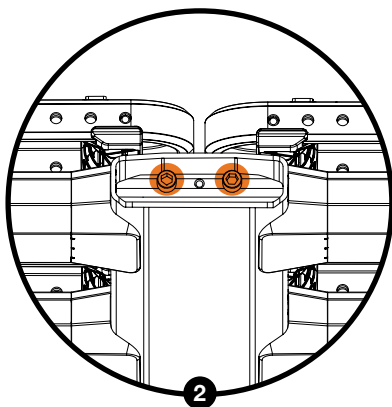
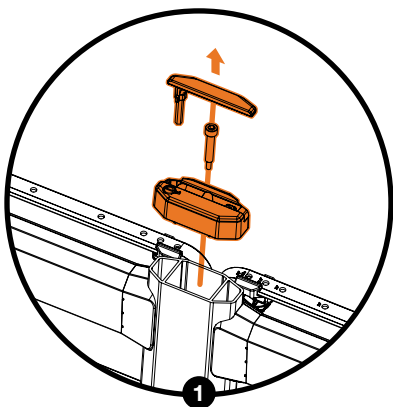
Using Foot Lever

- 1 Raise and lower the pivot using the foot lever.

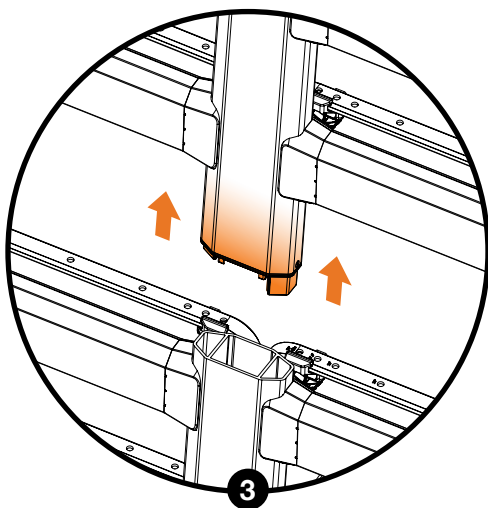


Disassembly

- 1 To revert your Piston™ Pro X to the 2 bike configuration, disassemble and remove Piston™ Pro X Add-On endcap assembly.
- 2 Using the built-in 8mm security hex key, completely loosen both M10 bolts located beneath endcap assembly.

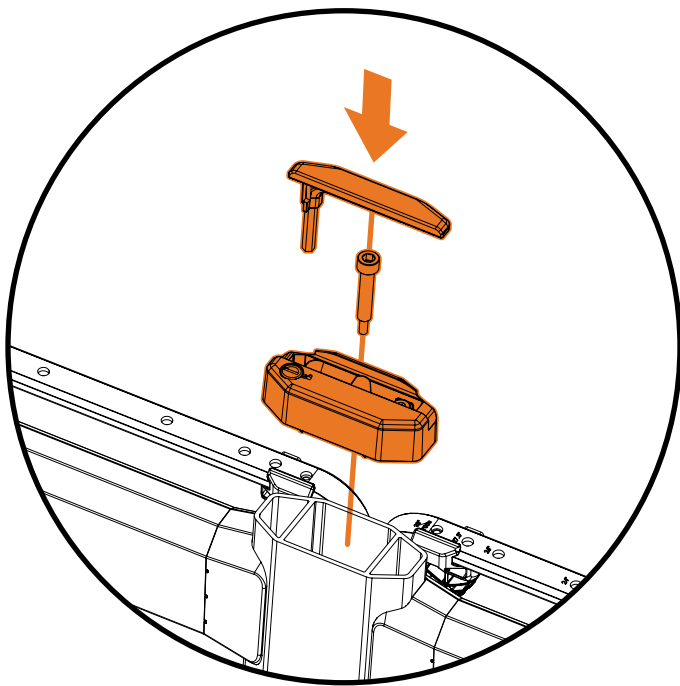


- 3 Lift Add-On up and out of Piston™ Pro X base unit.



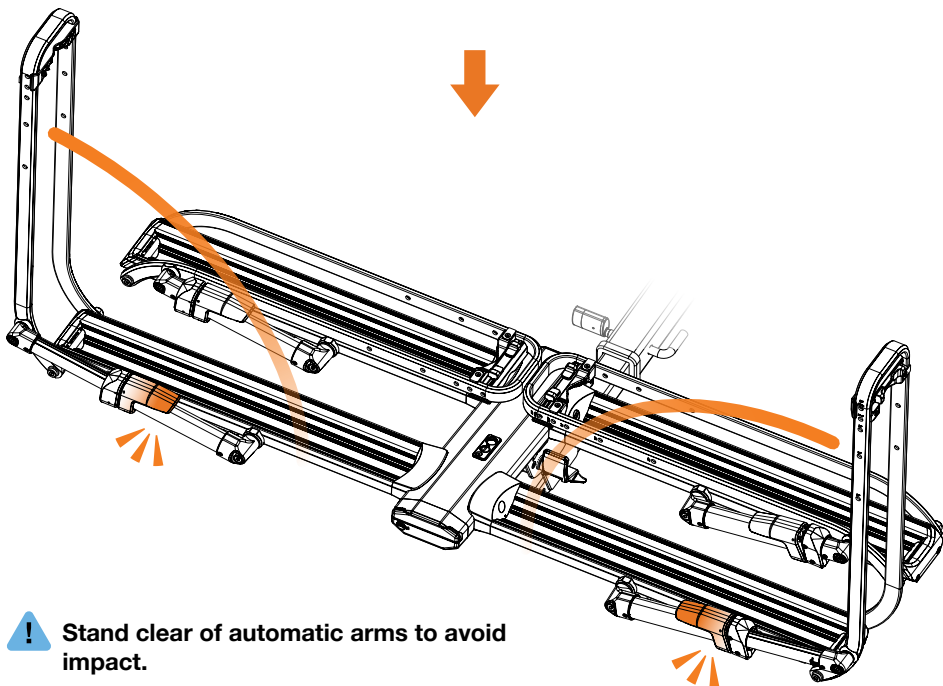
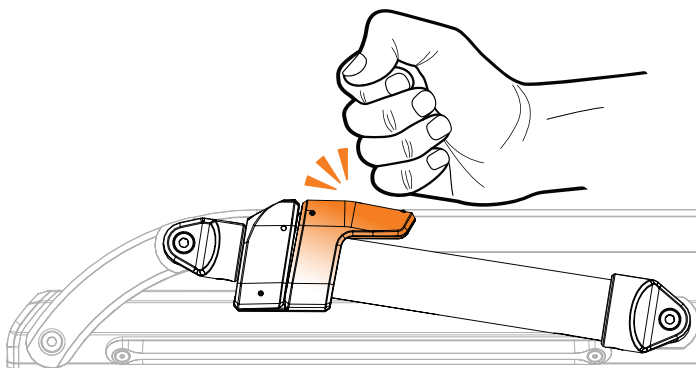
Disassembly - Continued

- 4 Reinstall original Piston™ Pro X endcap and tighten endcap bolt to **5-7Nm**. Install and secure security hex key into Piston™ Pro X endcap.



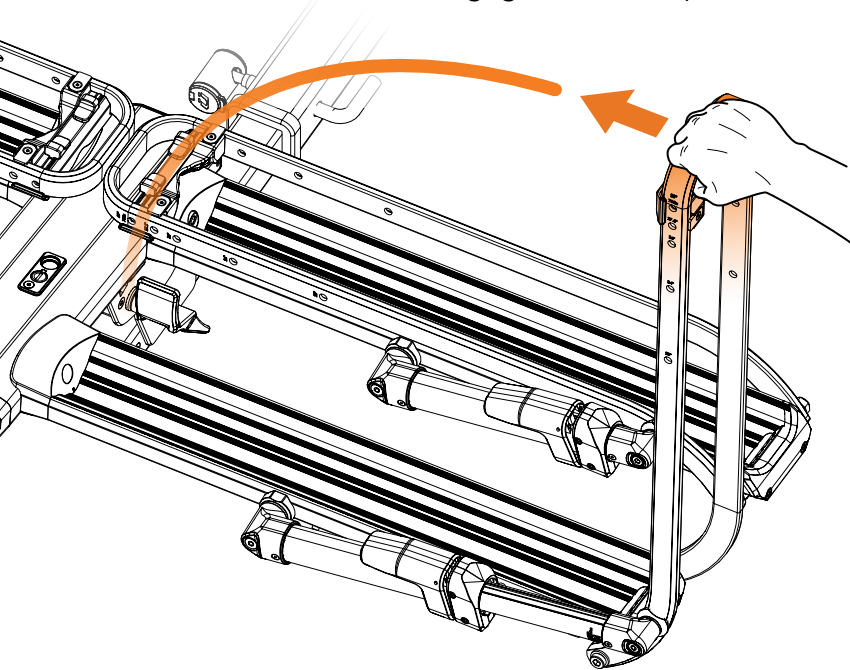
OneTap™ Operation

- 1 Open each arm by tapping the OneTap™ levers.
Stand back and watch! Each arm will fully open automatically.
Do not hold the levers while opening or closing.



 **Stand clear of automatic arms to avoid impact.**

- 2 To close, simply push arms back down into stowed position. There is no need to re-engage the OneTap™ lever.



Refer to Piston™ Pro X Two Bike instructions for lock, over-center arm function, and bike loading/unloading tips.

eBike Ramp | Selective Bike Unloading

(Sold Separately)

The Piston™ OneTap™ system allows users to rotate tire arms into a negative position for the installation of the Piston™ eBike Ramp, or conveniently unload a bike in tray 2 without needing to unload tray 1.

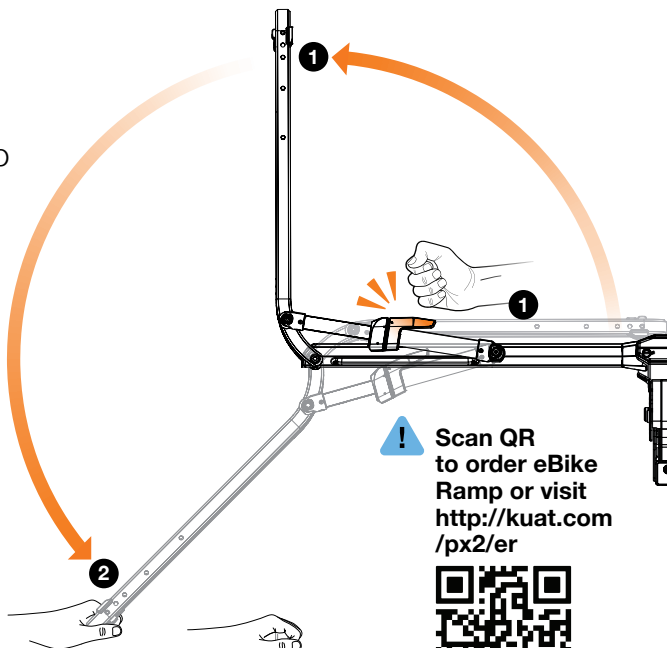
To Fold Down

1 Tap OneTap™ lever to open tire arm.

2 Pull arm down into negative position.

! Do not hold OneTap™ lever while pulling arm into negative position.

3 Unload selected bike or install eBike Ramp.
(Sold Separately)

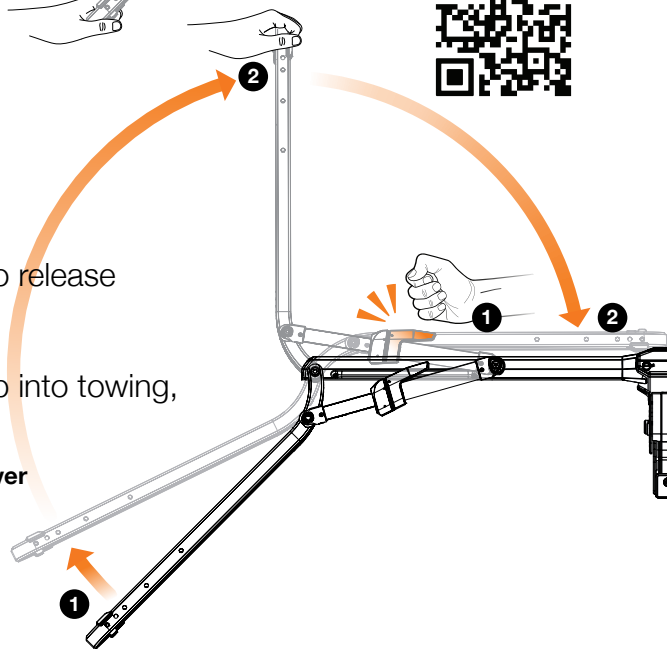


To Fold Up

1 Tap OneTap™ lever to release ratchet tension.

2 Pull tire arm back up into towing, or stowed position.

! Do not hold OneTap™ lever while moving arm into position.



Warnings

PISTON™ PRO X ADD-ON

TWO BIKE

Number Of Bikes

4

Weight Per Tray
On All 4 Trays

40 lb
18.1kg

Max Wheelbase

53 in
1346 mm

Max Tire Width

5 in
127 mm

WARNINGS

- Follow instructions for proper assembly, installation and use.
- Check tightness of all bolts and screws periodically.
- Make sure rack and vehicle receiver are in working condition before each use.
- Only use Küat hitch extenders with this product.
 - Review the Receiver Hitch Capacity Warnings prior to use of this rack.
- Do not carry bicycles with fenders or cargo racks without using the Piston™ Fender Kit.
- Do not exceed the bicycle or weight limits intended for this rack.
- Do not use rack off road (rough, washed out, boulder-and-rut-strewn backroads).
 - Smooth gravel roads are not considered off-road.
- Do not use tarps, rain covers or wind covers with this product.
- This Add-On Unit is only approved for use on some recreational vehicles.
 - Refer to our RV Compatibility Warning for more information
- Do not take through automatic car wash.
- Drive responsibly.

If you have questions or problems, please contact Küat directly by calling toll free 1(877)822-KUAT, or by email: info@kuat.com

ADVERTENCIAS

- Siga las instrucciones para un montaje, instalación y uso adecuados.
- Verifique periódicamente el apriete de todos los pernos y tornillos.
- Asegúrese de que el portaequipajes y el receptor del vehículo estén en buenas condiciones antes de cada uso.
- Utilice únicamente extensores de enganche Küat con este producto.
 - Revise las Advertencias sobre la capacidad del enganche del receptor antes de usar este bastidor.
- No transporte bicicletas con guardabarros o rejillas de carga sin usar el kit de guardabarros Piston™.
- No exceda los límites de bicicleta o peso previstos para este portabicicletas.
- No utilice la rejilla fuera de la carretera (carreteras secundarias irregulares, arrasadas, llenas de cantos rodados y surcos).
 - Los caminos de ripio lisos no se consideran fuera de la carretera.
- No use lonas, cubiertas para la lluvia o cubiertas contra el viento con este producto.
- Esta unidad complementaria solo está aprobada para su uso en algunos vehículos recreativos.
 - Consulte nuestra Advertencia de compatibilidad de vehículos recreativos para obtener más información
- No pase por lavado automático de autos.
- Conduzca con responsabilidad.

AVERTISSEMENTS

- Suivez les instructions pour un assemblage, une installation et une utilisation appropriés.
- Vérifiez périodiquement le serrage de tous les boulons et vis.
- Assurez-vous que le porte-bagages et le récepteur du véhicule sont en bon état de fonctionnement avant chaque utilisation.
- N'utilisez que des rallonges d'attelage Küat avec ce produit.
 - Passez en revue les avertissements de capacité d'attelage du récepteur avant d'utiliser ce support.
- Ne transportez pas de bicyclettes avec des garde-boue ou des porte-bagages sans utiliser le kit de garde-boue Piston™.
- Ne dépassez pas les limites de vélo ou de poids prévues pour ce porte-bagages.
- N'utilisez pas de crémaillère hors route (routes secondaires accidentées, délavées, parsemées de rochers et d'ornières).
 - Les routes en gravier lisse ne sont pas considérées comme hors route.
- N'utilisez pas de bâches, de housses de pluie ou de housses contre le vent avec ce produit.
- Cette unité supplémentaire n'est approuvée que pour une utilisation sur certains véhicules récréatifs.
 - Reportez-vous à notre avertissement de compatibilité RV pour plus d'informations
- Ne passez pas dans un lave-auto automatique.
- Conduisez de façon responsable.

Küat Innovations LLC. Limited Lifetime Warranty

Küat honors the warranty on all Küat brand products for original owners of the product. Warranty is not transferable.

If a Küat rack that is covered by the terms of this warranty and is determined by Küat, to be defective, Küat will repair or replace the defective parts. Küat may choose in some cases to offer the owner a refund of up to the original purchase price of the product in lieu of repairing or replacing the product.

The Küat warranty does not cover any conditions that are beyond Küat's control. This includes, but is not limited to, the following: excessive loading, improper assembly, improper installation, theft, or any use that is not consistent with the user guide that is included with the product.

The Küat Warranty does not cover normal wear and tear, scratches, cosmetic oxidation, accidents, or damage due to unauthorized repairs or modifications.

If you are the original owner of a defective Küat product, please contact Küat at 1(877)822-5828. A Küat representative will work to quickly resolve the problem. If repairs are necessary, the owner will be responsible for the cost of returning the product to Küat for repair. No product should be returned to Küat without prior authorization from Küat staff.

LIMIT OF LIABILITY

THIS WARRANTY ONLY COVERS REPAIR, REPLACEMENT OR REFUND FOR THE COVERED KÜAT PRODUCT. ANY DAMAGE TO VEHICLE OR PROPERTY IS NOT COVERED BY THIS WARRANTY. PERSONAL INJURY IS NOT COVERED BY THIS WARRANTY.

LIMITATION OR EXCLUSION OF INCIDENTAL DAMAGE IS NOT ALLOWED IN ALL STATES SO THE ABOVE LIMITATIONS MAY NOT APPLY.

Küat respeta la garantía de todos los portabicicletas Küat mientras el comprador original sea el propietario de dicho producto. Si el comprador original vende o de alguna otra manera cede el producto a otra persona, la garantía será revocada.

Si un portabicicletas Küat que esté cubierto por los términos de esta garantía está defectuoso, Küat reparará o reemplazará las partes defectuosas a su propio criterio. Küat puede optar en algunos casos por ofrecer el reembolso del precio de compra del producto en lugar de repararlo o de reemplazar las piezas defectuosas.

La garantía Küat no cubre ninguna condición que esté más allá del control de Küat. Esto incluye, más no limita, carga excesiva, ensamblaje impropio, montaje impropio, robo o cualquier uso que no sea consistente con las instrucciones que están incluidas con el producto o que están disponibles para el usuario.

La garantía Küat no cubre el uso y desgaste natural, raspaduras, oxidación cosmética, accidentes, operación ilegal del vehículo o modificaciones o reparaciones no autorizadas.

Si usted es el propietario original de un producto Küat defectuoso, por favor contacte a Küat al 1(877) 822-5828. . Un representante de Küat le atenderá para resolver su problema. Si son necesarias reparaciones, el propietario será responsable por el costo del envío del producto a Küat para su reparación. Ningún producto deberá ser enviado a Küat sin previa autorización de un agente de Küat.

LIMITE DE RESPONSABILIDAD

ESTA GARANTIA SOLO CUBRE REPARACIONES, REEMPLAZOS O REEMBOLSOS PARA EL PRODUCTO DE KÜAT CUBIERTO. CUALQUIER DAÑO AL VEHICULO O PROPIEDAD O LESION NO ESTA CUBIERTA POR ESTA GARANTIA.

LIMITANTES O EXCLUSIONES DE DAÑO ACCIDENTAL NO ESTAN PERMITIDAS EN TODOS LOS ESTADOS, POR LO TANTO ESTAS LIMITANTES PODRIAN NO APLICAR.

Küat honore la garantie de toute sa gamme du support de la marque Küat tant qu'il demeure la propriété du propriétaire original. La garantie prend fin lorsque le propriétaire original se départit du produit en le vendant ou en le transférant à une autre personne.

Si un article Küat fait défaut alors qu'il est sous garantie, Küat réparera ou remplacera, à sa discrétion, la ou les pièces défectueuses. Küat pourrait choisir dans certains cas d'offrir un remboursement du prix à l'achat au lieu de réparer ou de remplacer la pièce défectueuse.

La garantie Küat ne couvre pas les conditions hors du contrôle de Küat. Celles-ci incluent mais ne sont pas limitées à un chargement excessive, un assemblage erroné, un mauvais montage, le vol ou tout usage qui n'est pas conforme aux instructions (incluses avec le produit) accessibles à l'utilisateur.

La garantie Küat ne couvre pas l'usure normale, les égratignures, l'oxydation, les accidents, l'usage illégal d'un véhicule ou les réparations ou modifications non-autorisées.

Si vous êtes le propriétaire original d'un produit Küat défectueux, prière de contacter Küat au 1-877-822-5828. Un représentant Küat travaillera à la résolution du problème. Si des réparations sont nécessaires, l'acheteur doit assumer les frais d'envoi pour faire parvenir le produit Küat à l'entreprise. Ne retourner pas un produit Küat tant que vous n'obtenez pas l'autorisation d'un représentant de Küat.

LIMITE DE RESPONSABILITÉS

LA GARANTIE COUVRE SEULEMENT LA RÉPARATION , LE REMPLACEMENT OU LE REMBOURSEMENT D'UN PRODUIT KÜAT SOUS GARANTIE. LA GARANTIE NE COUVRE PAS LES DOMMAGES AU VÉHICULE, LES DOMMAGES À LA PROPRIÉTÉ NI LES BLESSURES.

LES RESTRICTIONS OU LES EXCLUSIONS CONCERNANT LES DOMMAGES ACCIDENTELLES NE SONT PAS ADMISES DANS TOUS LES ÉTATS OU CES RESTRICTIONS PEUVENT NE PAS S'APPLIQUER.

Küat RV Compatibility Warning

Küat's receiver hitch-mounted bicycle racks may be used with some recreational vehicles (RVs) as described below. Many types of RVs subject the rack and bicycles on it to high forces and extreme movements. As a result, Küat does not recommend using our receiver hitch-mounted products on RVs that will likely expose the rack to unacceptable conditions.

Küat's standard warranty will cover use of any of its 2-inch receiver hitch-mounted bicycle racks on motorhomes (as defined in 49 C.F.R. 571.3) satisfying all of the following requirements:

1. The receiver hitch is directly attached to the motorhome chassis, not just to the bumper;
2. The rear-most point of the receiver hitch where the bicycle rack will be attached is no more than 64 inches from the rear axle of the motorhome; and
3. The vehicle is a class B type motorhome as described below.

Class B type motorhomes are commonly known as van conversions and comprise a completed van-type vehicle which has been altered to provide temporary living quarters. Class B type motorhomes have a gross vehicle weight rating of 10,000 lbs or less.

In addition, the 2 inch receiver Transfer™ v2 and the 2-inch receiver Piston Pro X may be used on RVs (both motorhomes and trailers) satisfying all of the following requirements:

1. The receiver hitch is directly attached to the RV chassis, not just to the bumper; and
2. The bicycle rack is in the 2-bike configuration with no add-on unit attached.

Please check the Warnings section of the User Guide for load weight limits applicable to your rack when used on an RV. Lower weight limits apply.

Even if the conditions above are met, any RV may be operated in a way that will expose Küat's products to conditions that they are not designed to handle. The operator of the RV is responsible to operate the RV in a manner that will not overload the rack, such as by excessive speed over rough roads or speed bumps, rapid turning movements, driving the RV over changes in gradient that will bring the rack in contact with the ground, or other similar actions.

Receiver Hitch Capacity Warning

The weight capacity of your receiver hitch depends on many factors, including (i) its hitch class rating, (ii) whether it is attached to the vehicle frame or the bumper, (iii) its maximum tongue weight, and (iv) other factors based on your vehicle's design. Küat cannot evaluate whether your particular vehicle/receiver hitch combination is sufficient for use with Küat products. You are responsible to determine the weight carrying capacity of your vehicle and its receiver hitch. Please consult your vehicle owner's manual and hitch receiver manual to determine if your vehicle/receiver hitch combination has the necessary capacity for a specific Küat product and your bicycles. The combined weight of the bicycle rack and bicycles is not directly comparable to the maximum tongue weight for your receiver hitch because of the distance from the receiver hitch to the position where the bicycles are supported on the rack. Using hitch extenders such as the Hi-Lo or Hi-Lo Pro, or swing arms such as the Pivot or Pivot v2 products, increases the effective load on your receiver hitch even further.

The Pivot, Pivot v2, or similar swing arm products should never be used with Class I or Class II hitch receivers. Depending on the number, weight, and placement of bicycles on the rack, some Class III or Class IV hitch receivers may not have the capacity for a bicycle rack on a swing arm.

You are responsible to determine if your receiver hitch has the capacity to support a hitch extender product (Hi-Lo, Hi-Lo Pro, etc.) or swing arm (Pivot, Pivot v2, etc.) with a particular combination of bicycles and bicycle rack. You should not attach a vertical or hanging style bicycle rack to a hitch extender or swing arm.

AS A RESULT OF THE FOREGOING, KÜAT'S LIMITED WARRANTY DOES NOT COVER DAMAGE OR LOSS, INCLUDING PROPERTY DAMAGE, PHYSICAL INJURY OR DEATH, ARISING FROM USE OF ITS PRODUCTS WITH A VEHICLE/RECEIVER HITCH COMBINATION THAT DOES NOT HAVE THE CAPACITY FOR THE PRODUCT OR CONFIGURATION USED BY YOU, AND KÜAT DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY RELATING TO THE CAPACITY OF A VEHICLE OR RECEIVER HITCH FOR USE WITH A PARTICULAR KÜAT PRODUCT OR COMBINATION OF KÜAT PRODUCTS, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE RELATED THERETO. THIS DISCLAIMER MAY NOT APPLY IN ALL STATES.

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1.877.822.5828

info@kuat.com

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