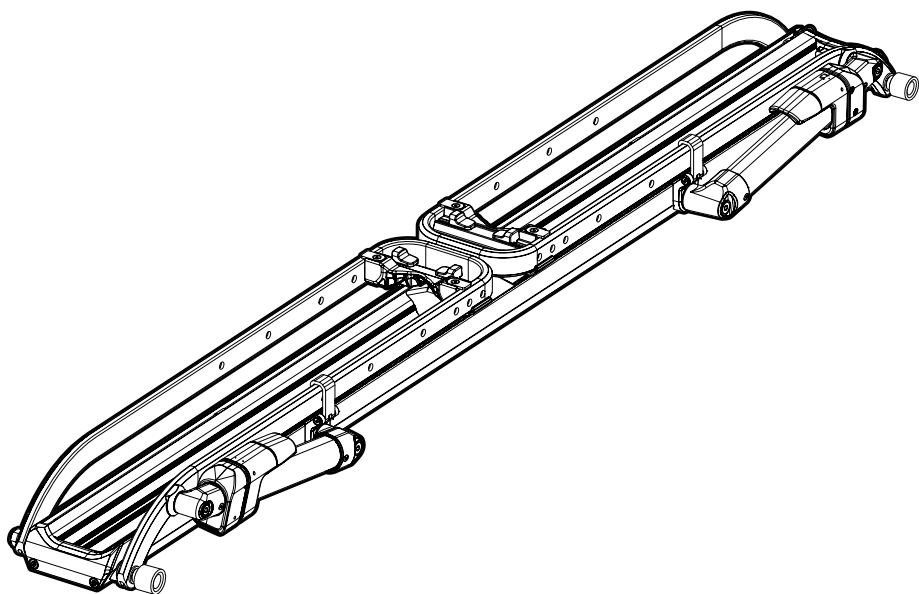




PISTON® SR

INSTALLATION



ASSEMBLY VIDEO

SAFETY INSTRUCTIONS

PISTON® SR

Number Of Bikes	Max Wheelbase	Max Tire Width	
1	53 in 1346mm	5 in 127mm	
Weight Per Bike			
Roof-Mounted	Hitch-Mounted	2" Round Bar Mounted	IBEX™ Mounted
67 lbs 30.4kg	100 lbs 45.4kg	67 lbs 30.4kg	45 lbs 20.4kg

⚠ WARNING

- Follow instructions for proper assembly, installation and use.
- Check tightness of all bolts and screws periodically.
- Make sure rack is in working condition before each use.
- Do not use front tire bicycle fenders with this product without a Kuat Fender Kit.
- Do not exceed the bicycle or weight limits intended for this rack.
- This product is not designed for and should not be used in terrain that requires aftermarket upgrades to your 4WD suspension, or uses that include rock crawling, jumping, bogging, or off-road driving at high speed. An experienced overland driver should consider vehicle speed and total vehicle load weight and distribution when encountering rough and/or rocky terrain when using this product, and should reduce the load, speed or both as needed. Smooth gravel roads are not considered off-road.
- Do not use tarps, rain covers or wind covers with this product.
- Do not mount the PISTON® SR vertically.

NOTICE

- Do not take through automatic car wash.

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

⚠ ADVERTENCIA

- Siga las instrucciones para un montaje, instalación y uso adecuados.
- Verifique periódicamente el apriete de todos los pernos y tornillos.
- Asegúrese de que la rejilla esté en condiciones de funcionar antes de cada uso.
- No utilice guardabarros de bicicleta con neumáticos delanteros con este producto sin un kit de guardabarros Kuat.
- No exceda los límites de bicicleta o peso previstos para este portaequipajes.
- Este producto no está diseñado y no debe usarse en terrenos que requieran mejoras de posventa en su suspensión 4WD, o uso que incluya arrastrarse por rocas, saltar, hacer bogging o conducir todoterreno a alta velocidad. Un conductor terrestre experimentado debe considerar la velocidad del vehículo y el peso y la distribución de la carga total del vehículo cuando encuentre terreno accidentado y/o rocoso al usar este producto, y debe reducir la carga, la velocidad o ambas, según sea necesario. Los caminos lisos de grava no se consideran todoterreno.
- No utilice lonas, protectores contra la lluvia o contra el viento con este producto.
- No monte el PISTON® SR verticalmente.

AVISO

- No lo pase por el lavado automático de autos.

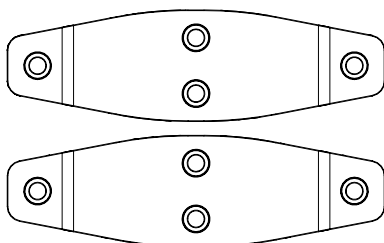
⚠ AVERTISSEMENT

- 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 support est en état de fonctionnement avant chaque utilisation.
- N'utilisez pas de garde-boue de vélo pour pneus avant avec ce produit sans un kit de garde-boue Kuat.
- Ne dépassez pas les limites de vélo ou de poids prévues pour ce porte-bagages.
- Ce produit n'est pas conçu et ne doit pas être utilisé sur des terrains qui nécessitent des mises à niveau de rechange de votre suspension 4WD, ou une utilisation qui inclut l'exploration de rochers, les sauts, les embourbages ou la conduite hors route à grande vitesse. Un conducteur terrestre expérimenté doit prendre en compte la vitesse du véhicule et le poids total de la charge du véhicule ainsi que sa répartition lorsqu'il rencontre un terrain accidenté et/ou rocheux lors de l'utilisation de ce produit, et doit réduire la charge, la vitesse ou les deux, au besoin. Les routes de gravier lisse ne sont pas considérées comme hors route.
- N'utilisez pas de bâches, de housses de pluie ou de protection contre le vent avec ce produit.
- Ne montez pas le PISTON® SR verticalement.

AVIS

- Ne passez pas par le lave-auto automatique.

Parts



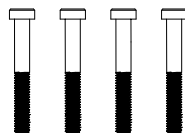
(2) Crossbar Bracket



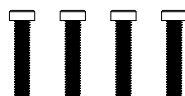
(4) 24.25mm T-Channel Nut



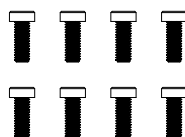
(8) 9.25mm T-Channel Nut



(4) M6 x 45mm Security Bolt

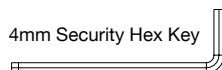


(4) M6 x 30mm Security Bolt

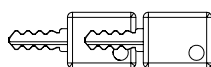


(8) M6 x 15mm Security Bolt

Tools



4mm Security Hex Key



(2) Key

25" - 51"

Min / Max Crossbar Distance

4.5"

Max Crossbar Width



.375" | 1.75"

Min / Max Crossbar Thickness

PISTON® SR can fit 1.75" - 2.5" crossbars with available accessory kit
Visit shop.kuat.com/HD-Cross-Bar-Hardware-Kuat-Racks or call 417.889.5820

Universal Mount Installation

- 1 Measure the thickness of your crossbar and choose the corresponding T-Channel nuts and M6 bolt lengths using the chart below.



CROSSBAR THICKNESS

.375 - .95"

Long
(24.25mm)



30mm



CROSSBAR THICKNESS

1" - 1.75"

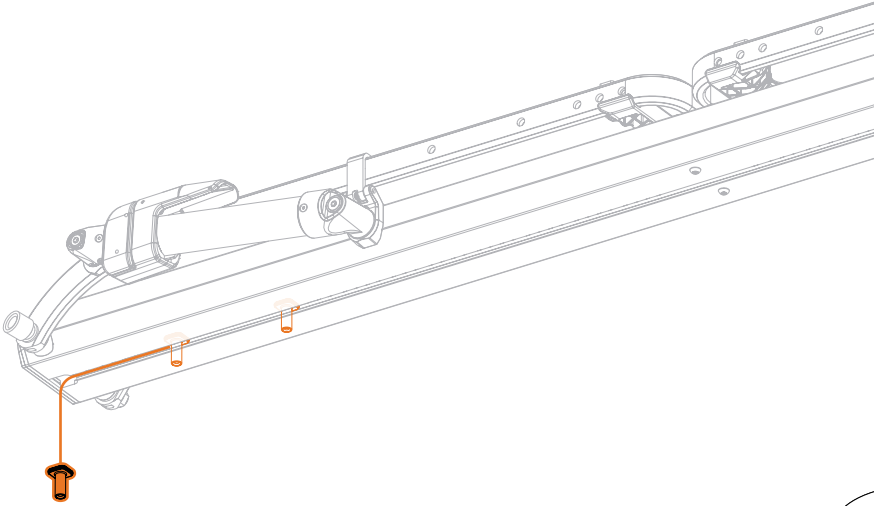
Long
(24.25mm)



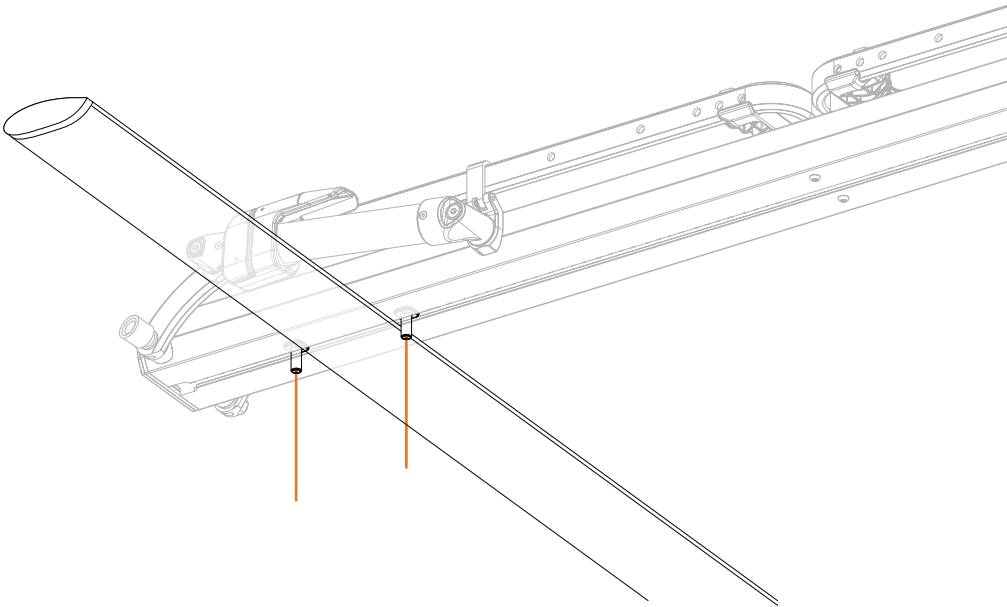
45mm



- 2 Insert T-Channel Nuts into T-Channel slot on the underside of your PISTON® SR. Orient (2) T-Channel Nuts in the forward half of the slot, and (2) T-Channel Nuts in the rearward half of the slot.

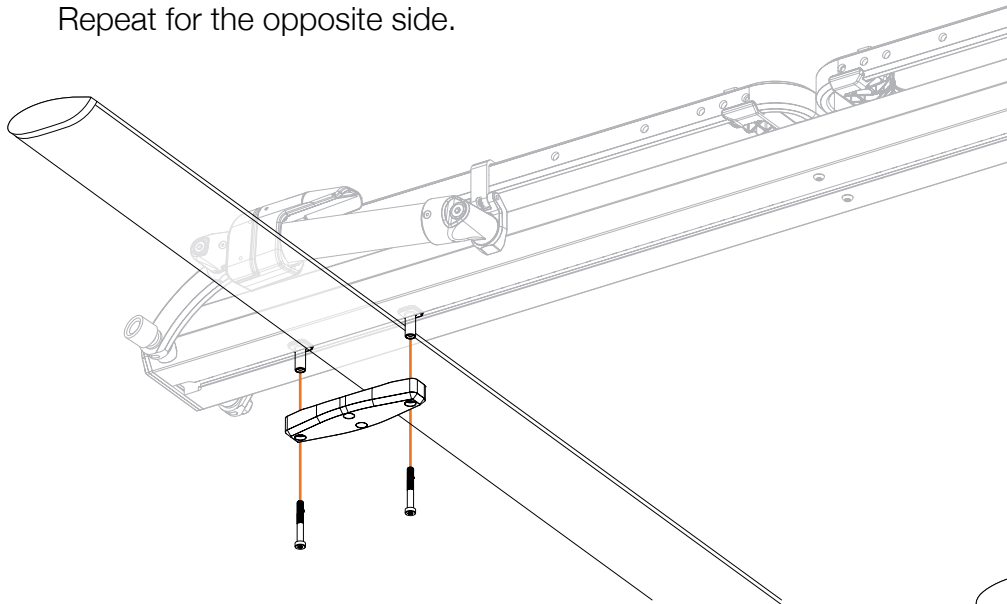


- 3 Lay your PISTON® SR on top of your vehicle crossbars, orienting a T-Channel nut on each side of both crossbars.

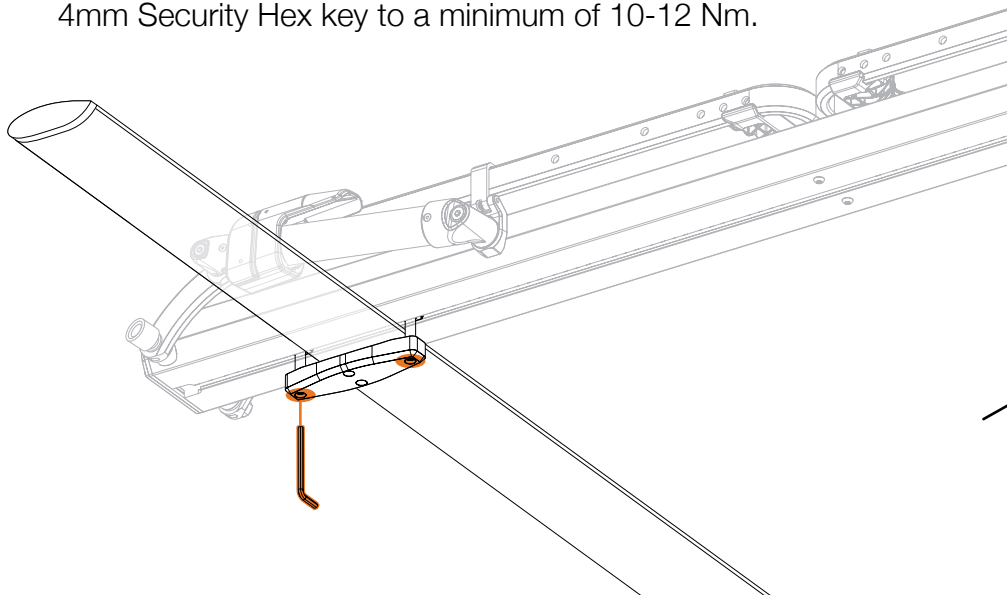


- 4 Align Crossbar Bracket with T-Channel nuts and thread in the appropriate M6 bolt size. To help align the rack, leave these bolts slightly loose.

Repeat for the opposite side.

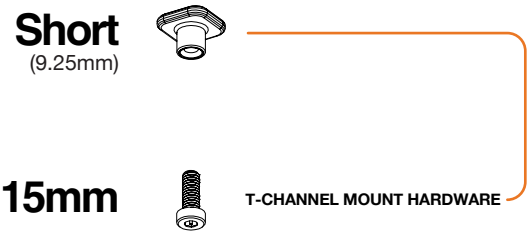


- 5 With each mount assembled, ensure PISTON® SR is aligned, level and in the desired location. Snug all (4) M6 bolts with the provided 4mm Security Hex key to a minimum of 10-12 Nm.

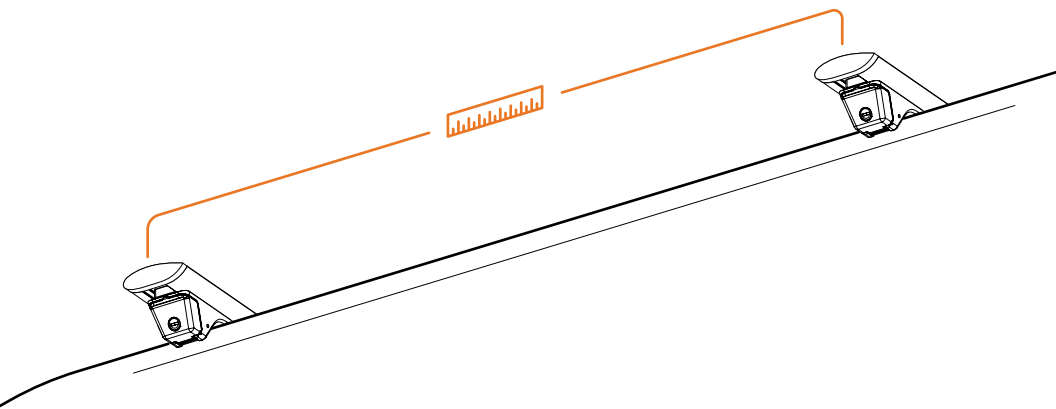


Crossbar T-Channel Mount Installation

- 1 The T-Channel Mount installation process utilizes (8) Short T-Channel Nuts and (8) M6 x 15mm bolts.



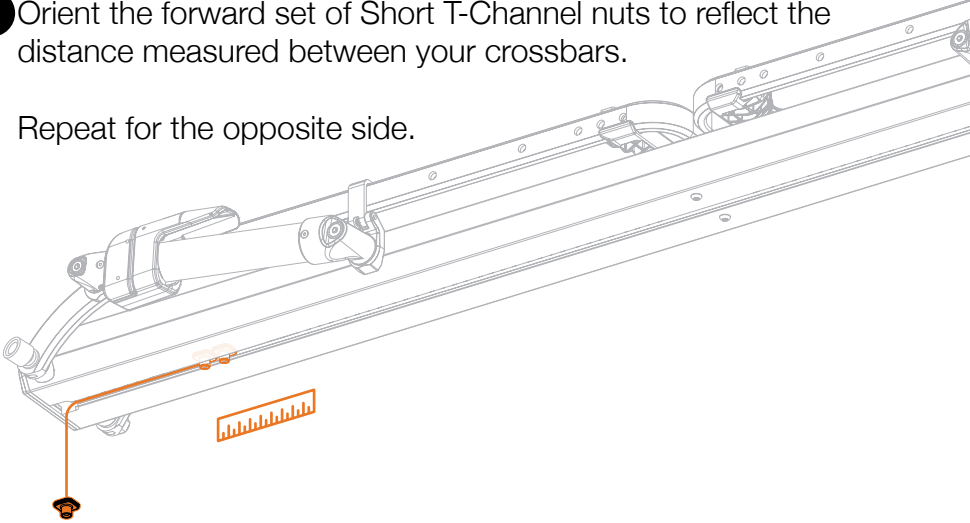
- 2 Measure distance between your T-Channels. For the most accurate measurement, measure from center to center.



- 3 Insert Short T-Channel Nuts into T-Channel slot on the underside of your PISTON® SR. Slide (2) Short T-Channel Nuts in the forward half of the slot, and (2) Short T-Channel Nuts in the rearward half of the slot.

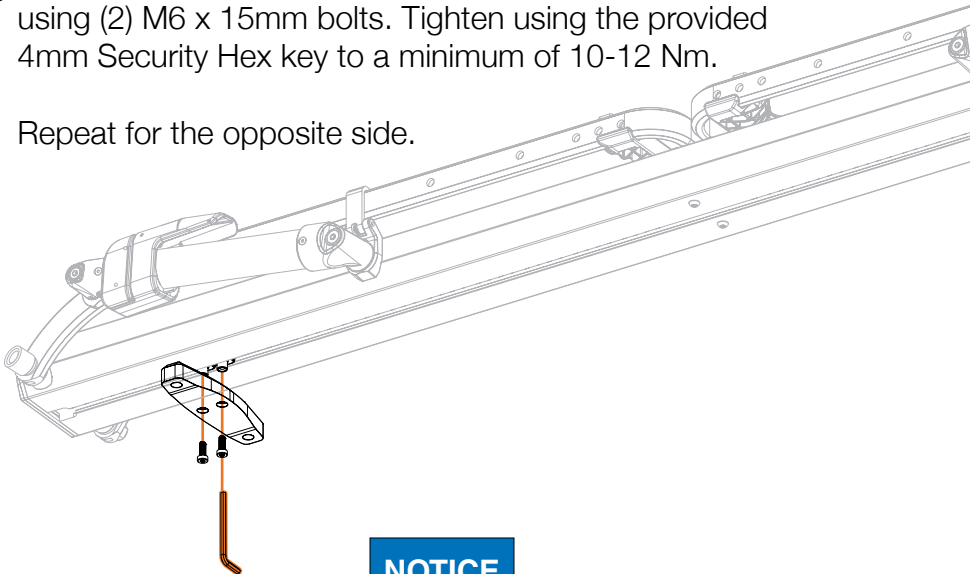
- 4 Orient the forward set of Short T-Channel nuts to reflect the distance measured between your crossbars.

Repeat for the opposite side.



- 5 Align Crossbar Bracket with the Short T-Channel Nuts and secure using (2) M6 x 15mm bolts. Tighten using the provided 4mm Security Hex key to a minimum of 10-12 Nm.

Repeat for the opposite side.



NOTICE

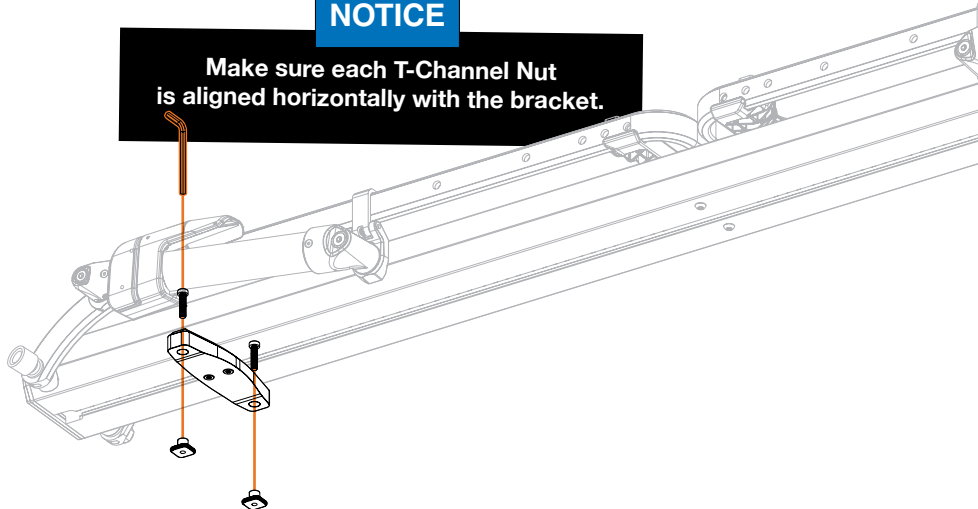
The use of medium strength thread locker is recommended.

- 6 Thread (1) Short T-Channel Nut and (1) M6 x 15mm bolt through Crossbar Bracket footpad. Leave these bolts loose.

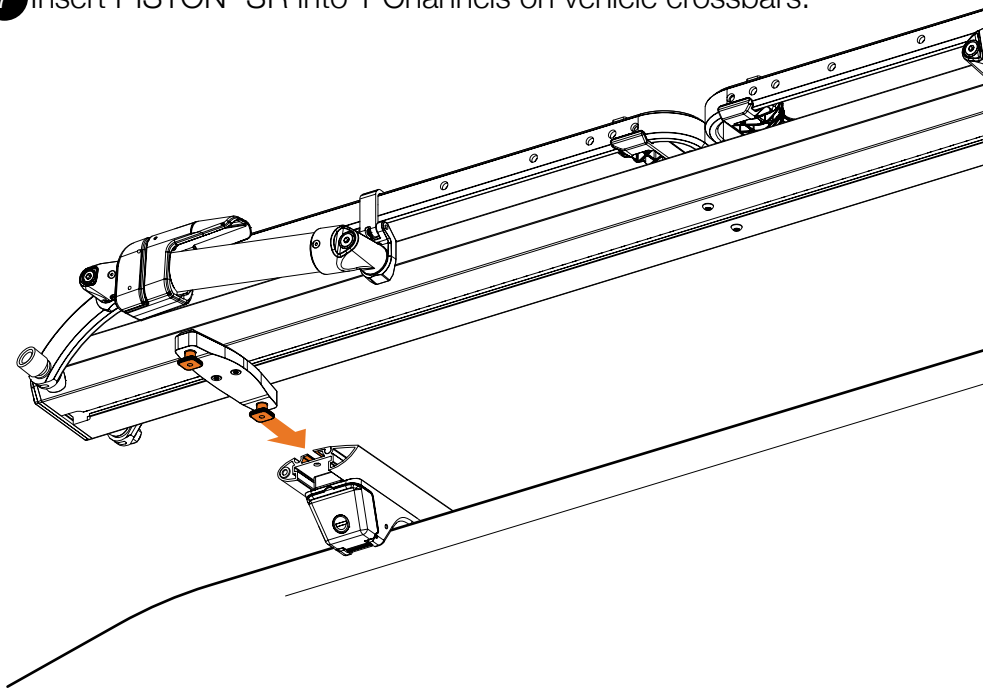
Repeat for the opposite side, on each Crossbar Bracket.

NOTICE

Make sure each T-Channel Nut is aligned horizontally with the bracket.

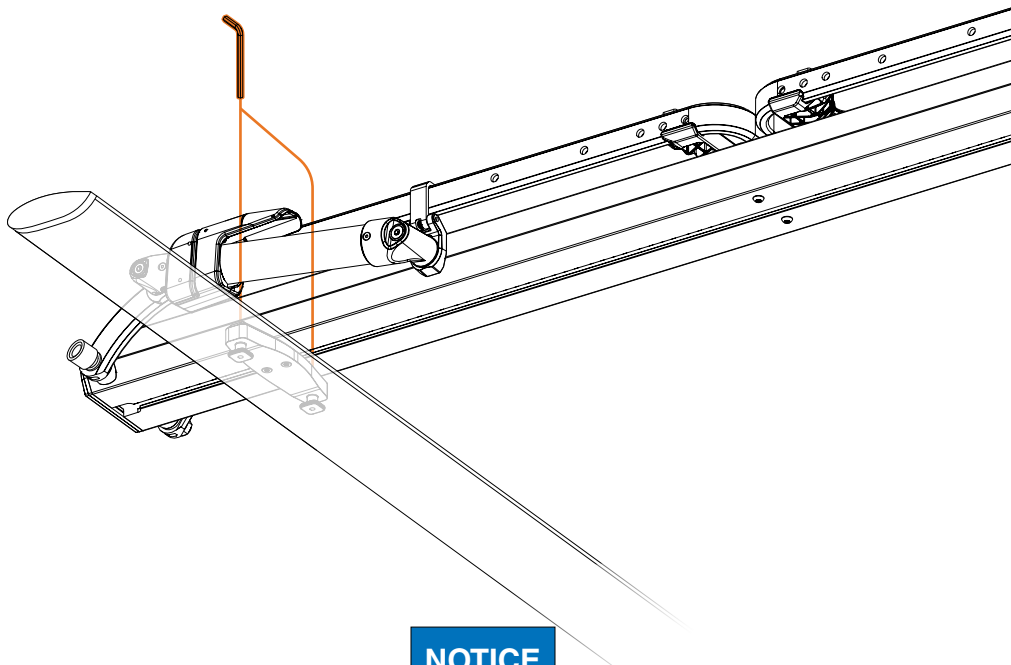


- 7 Insert PISTON® SR into T-Channels on vehicle crossbars.



- 8 Once in the desired location, tighten (2) M6 x 15mm bolts using the provided 4mm Security Hex key to a minimum of 10-12 Nm.

Repeat for the opposite side.



NOTICE

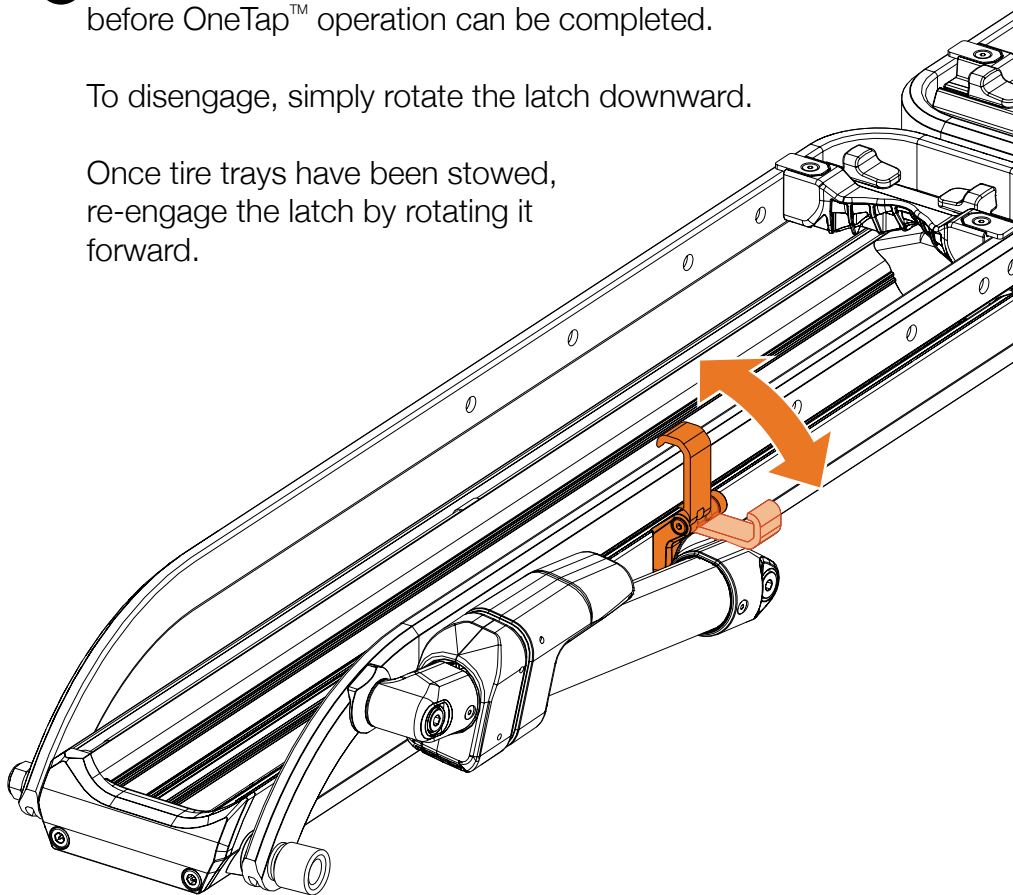
The use of medium strength thread locker is recommended.

Tire Arm Keeper

- 1 Each tire tray features a latch that must be disengaged before OneTap™ operation can be completed.

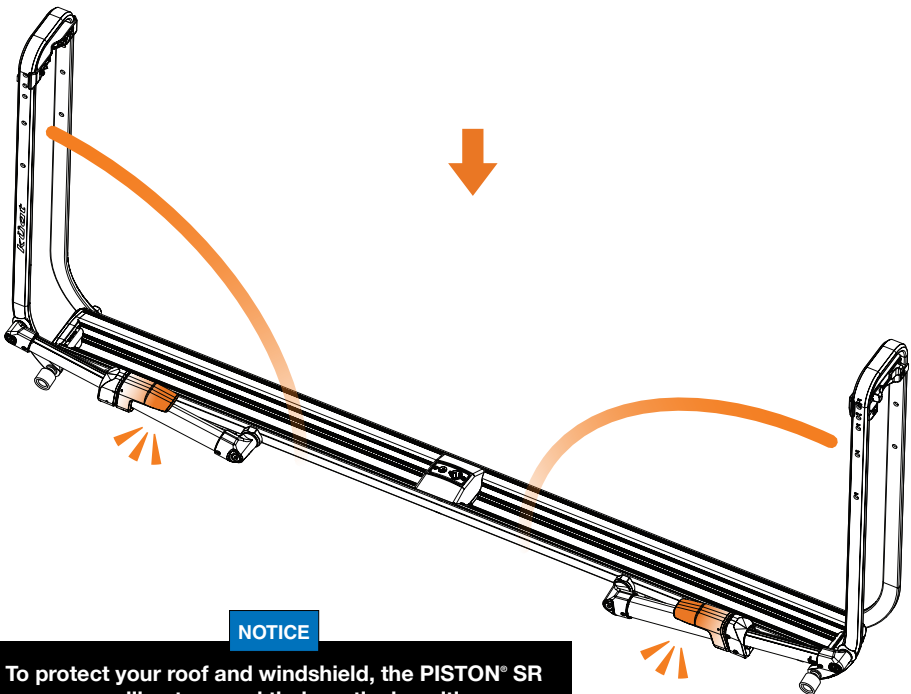
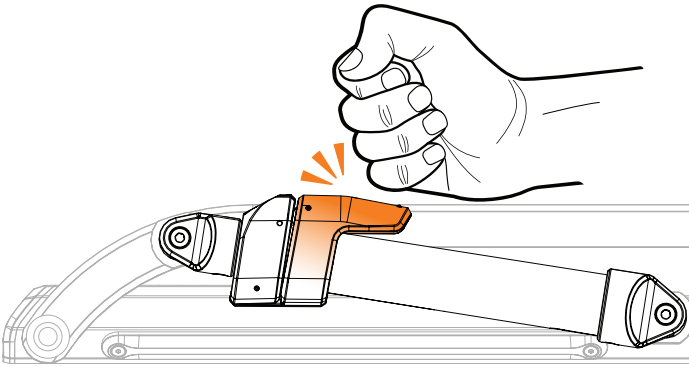
To disengage, simply rotate the latch downward.

Once tire trays have been stowed, re-engage the latch by rotating it forward.



OneTap™ Operation

- 1 With Keepers unlatched, open each arm by tapping both OneTap™ Levers. Each arm will fully open automatically; there is no need to hold the levers down while operating.

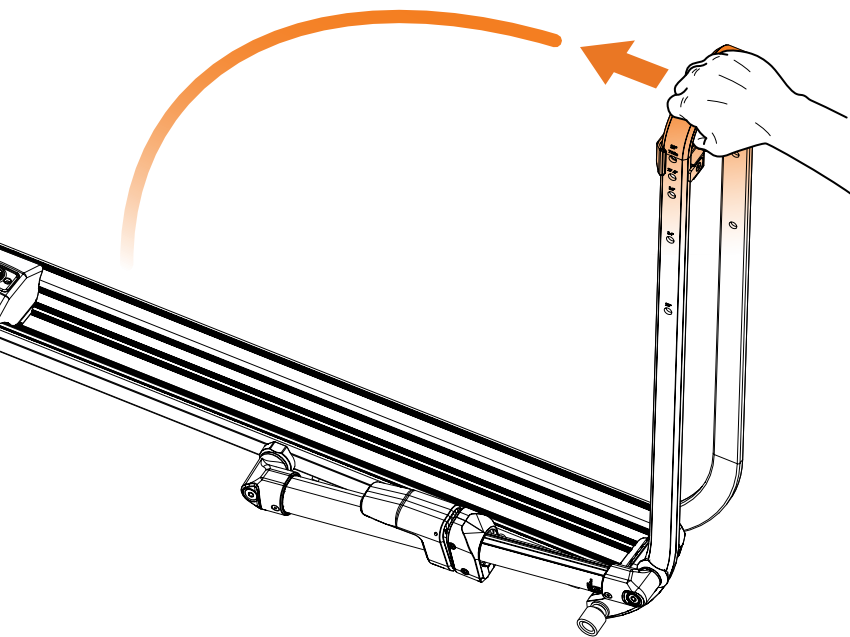


NOTICE

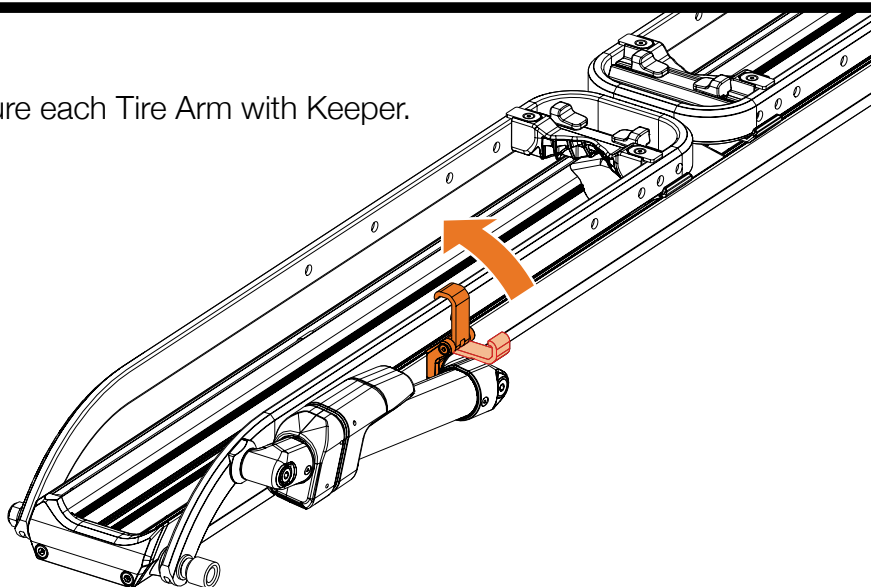
To protect your roof and windshield, the PISTON® SR arms will not exceed their vertical position.

When opening your PISTON® SR OneTap™ arms, ensure there are no obstructions.

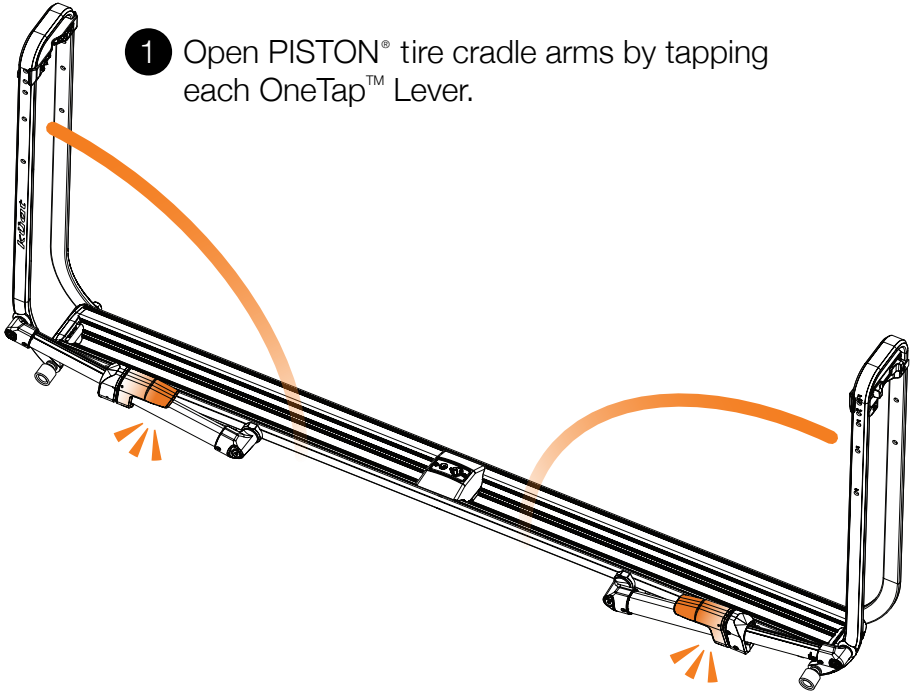
- 2 To close, simply push arms back down into stowed position. There is no need to re-engage the OneTap™ lever.



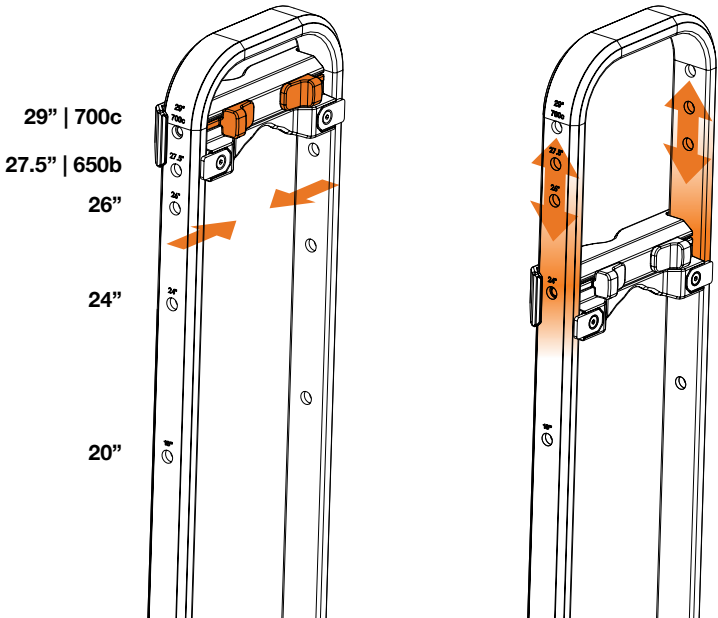
- 3 Secure each Tire Arm with Keeper.



Loading | Unloading Bikes

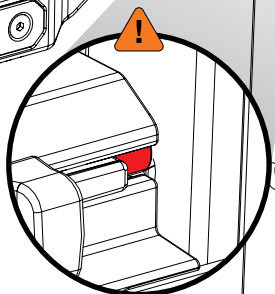
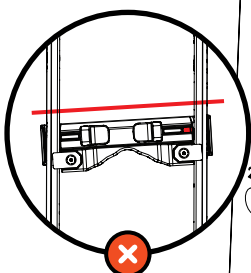
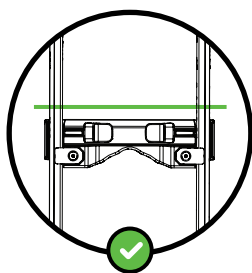


2 Push tabs inward and slide tire cradle up or down tire arm to adjust for desired wheel size.



- 3 Visually ensure tabs are fully secured in notches. Misaligned tabs or tabs not fully secured will show a red warning indicator.

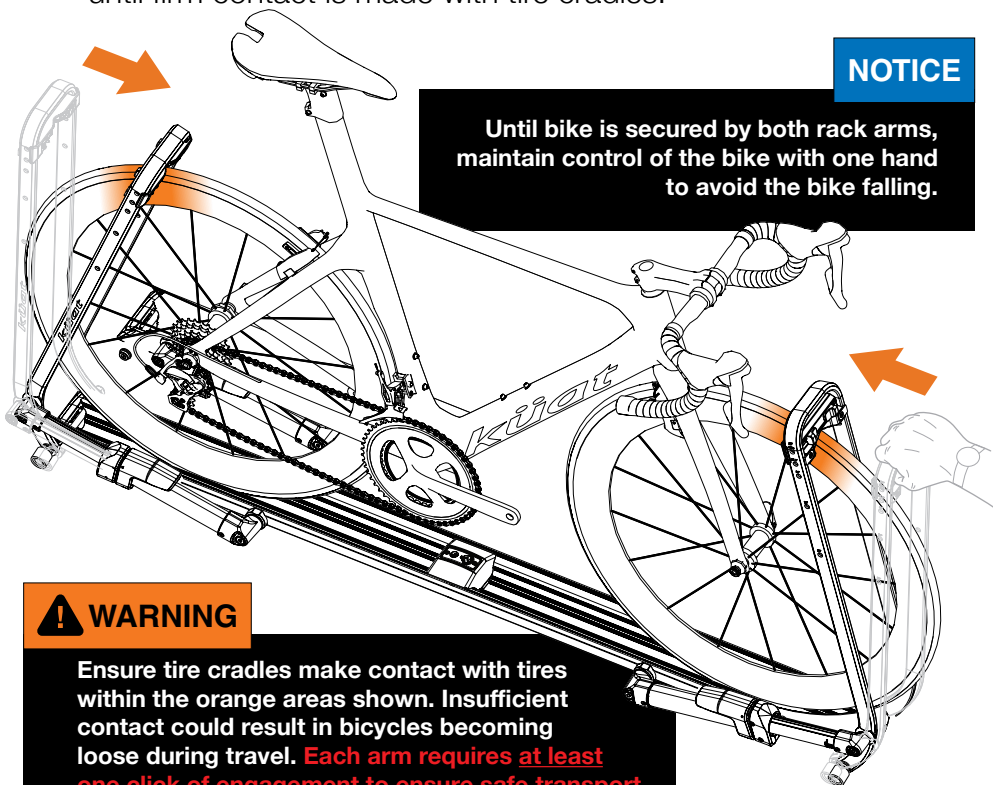
 **Failure to secure both tabs may result in bikes becoming loose and falling during travel.**



- 4 With bike in position close arms onto tires until firm contact is made with tire cradles.

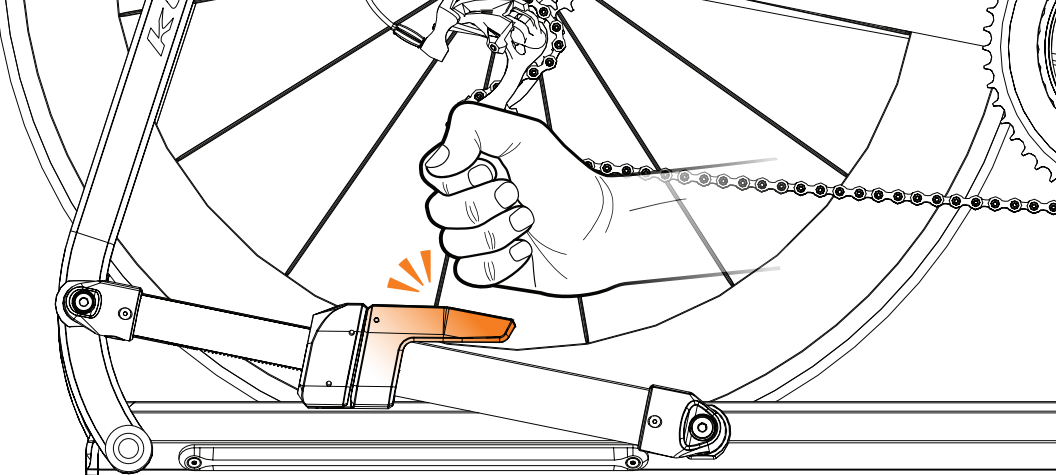
NOTICE

Until bike is secured by both rack arms, maintain control of the bike with one hand to avoid the bike falling.



WARNING

Ensure tire cradles make contact with tires within the orange areas shown. Insufficient contact could result in bicycles becoming loose during travel. **Each arm requires at least one click of engagement to ensure safe transport.**

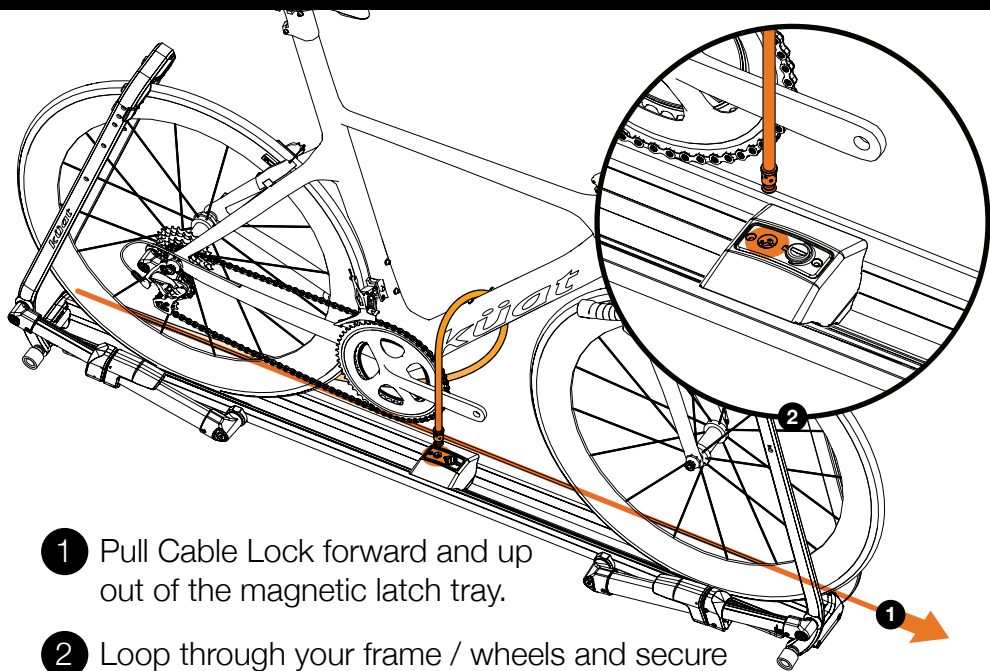


- 5 To unload, tap each OneTap™ Lever to release tire arms.

NOTICE

After pushing the OneTap™ Lever, it may be necessary to push the tire arm up off the tire to fully disengage pneumatic tension.

Securing your bike with Cable Lock



- 1 Pull Cable Lock forward and up out of the magnetic latch tray.
- 2 Loop through your frame / wheels and secure in center Cable Lock Port.

NO WORRIES LIMITED WARRANTY

We stand behind our products, and our customer service reps are waiting to help you out if you have any problems with your product. Our limited warranty covers your purchase for life. You can review our limited warranty on our website or call customer service at the number below if you have questions or need a repair, replacement, refund, or a copy of the limited warranty.

www.kuat.com/warranty

Questions or comments?

Drop us an email or call us directly!

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Notes:

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