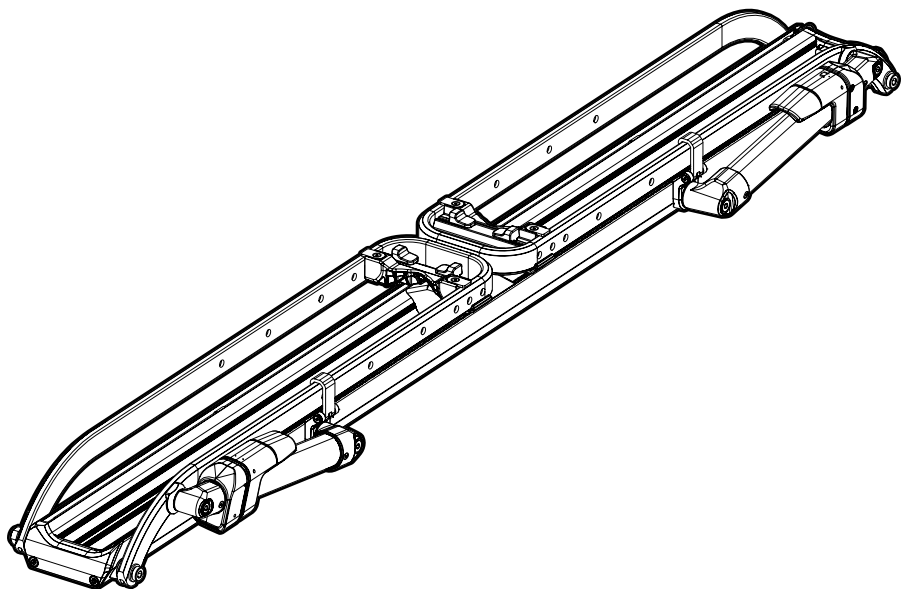




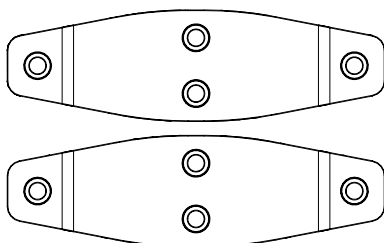
PISTON™ SR

INSTALLATION



ASSEMBLY VIDEO

Parts



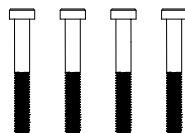
(2) Crossbar Bracket



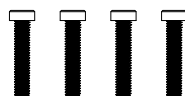
(4) 24.25mm T-Channel Nut



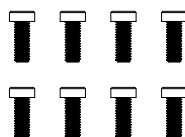
(8) 9.25mm T-Channel Nut



(4) M6 x 45mm Security Bolt

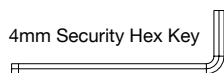


(4) M6 x 30mm Security Bolt

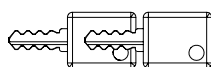


(8) M6 x 15mm Security Bolt

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

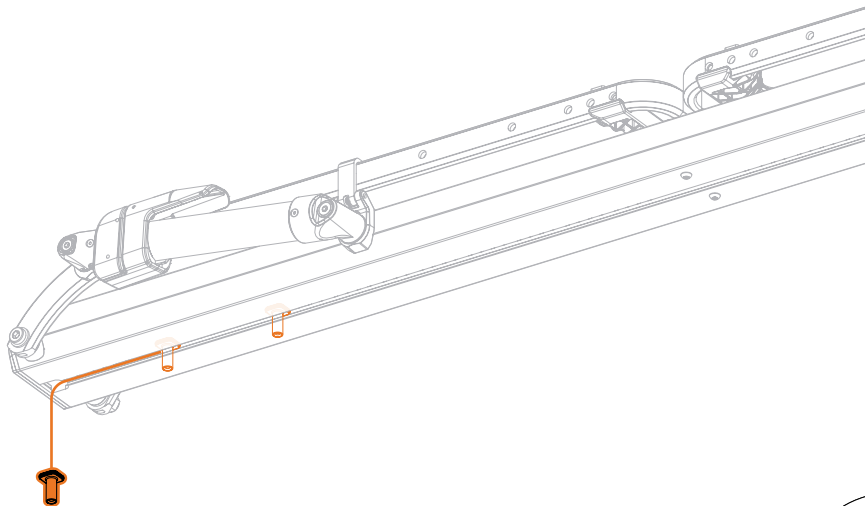
PISTON™ SR can fit 1.75" - 2.5" crossbars with available accessory kit
Visit shop.kuat.com/HD-Cross-Bar-Hardware-Kuat-Racks or call 417.889.5820

Universal Mount Installation

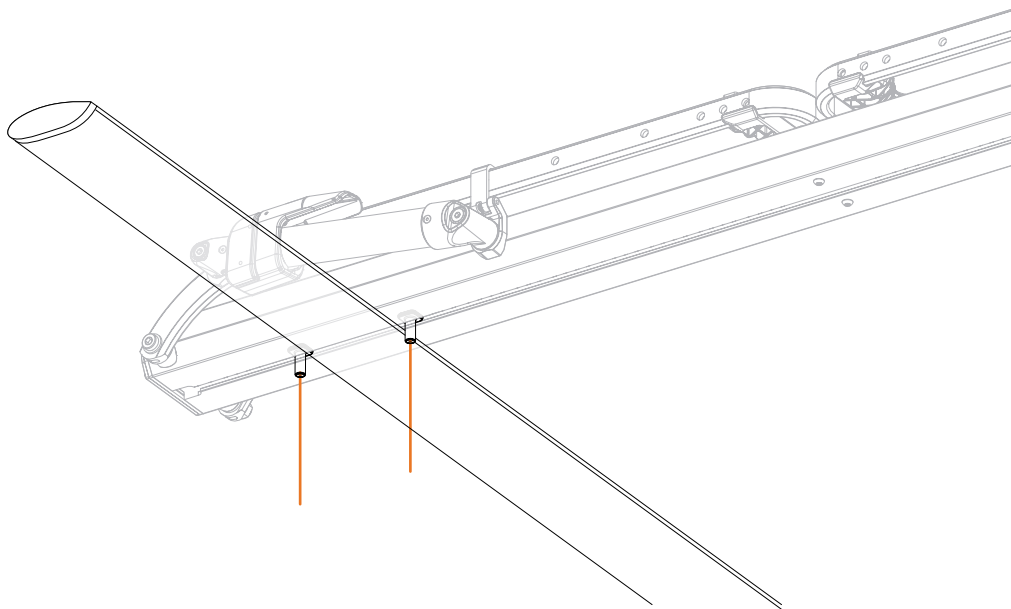
- 1 Measure the thickness of your crossbar and choose the corresponding T-Channel nuts and M6 bolt lengths using the chart below.

	
CROSSBAR THICKNESS	CROSSBAR THICKNESS
.375 - .95"	1" - 1.75"
Long 	Long 
30mm 	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.

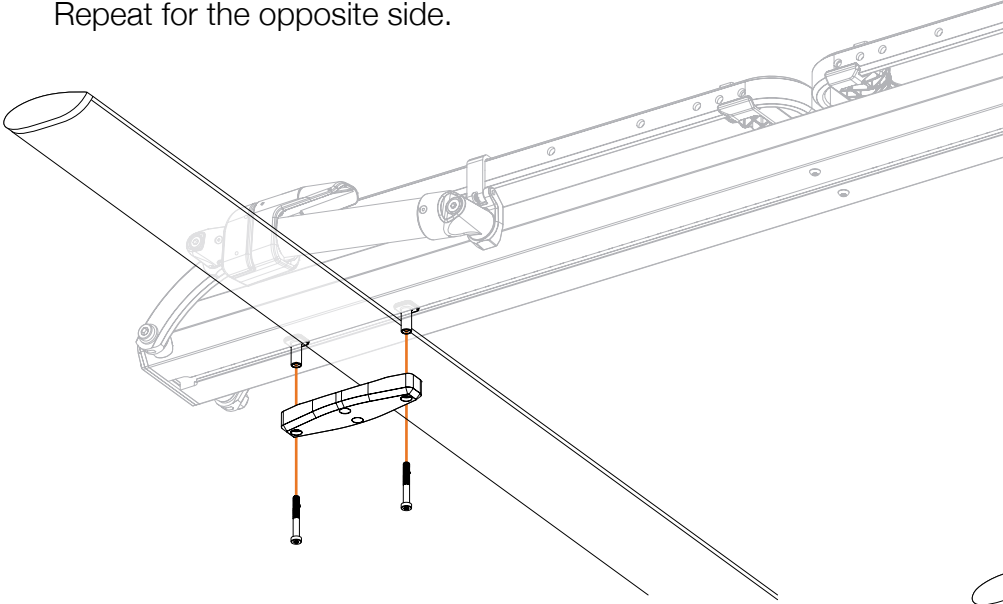


- 3 Lay your PISTON™ SR on top of your vehicle crossbars, orienting a T-Channel nut on each side of both crossbars.

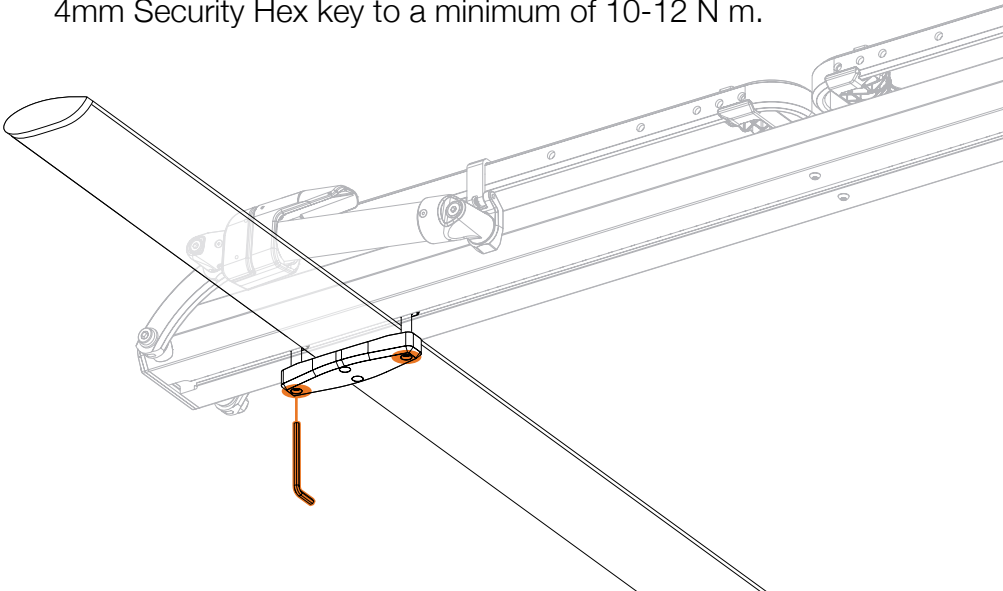


- 4 Align Crossbar Bracket with T-Channel nuts and thread in the appropriate M6 bolt size. To help align the rack, leave these bolts slightly loose.

Repeat for the opposite side.

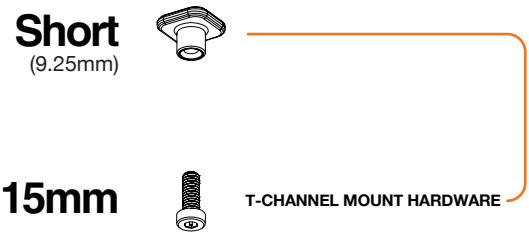


- 5 With each mount assembled, ensure PISTON™ SR is aligned, level and in the desired location. Snug all (4) M6 bolts with the provided 4mm Security Hex key to a minimum of 10-12 N m.

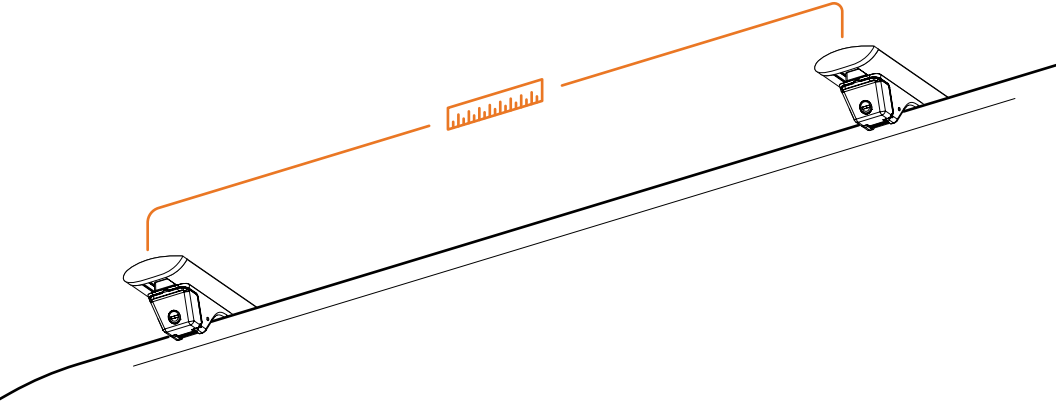


Crossbar T-Channel Mount Installation

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



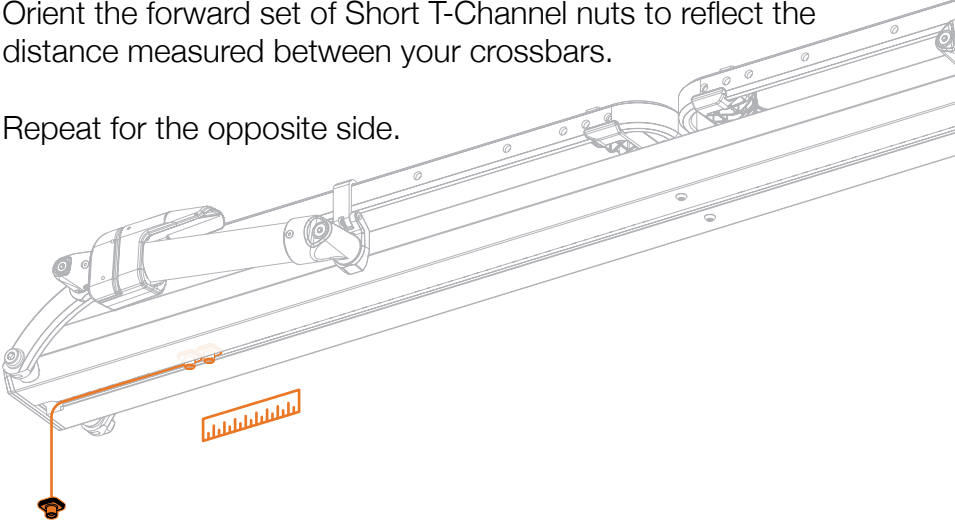
- 2 Measure distance between your T-Channels. For the most accurate measurement, measure from center to center.



- 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.

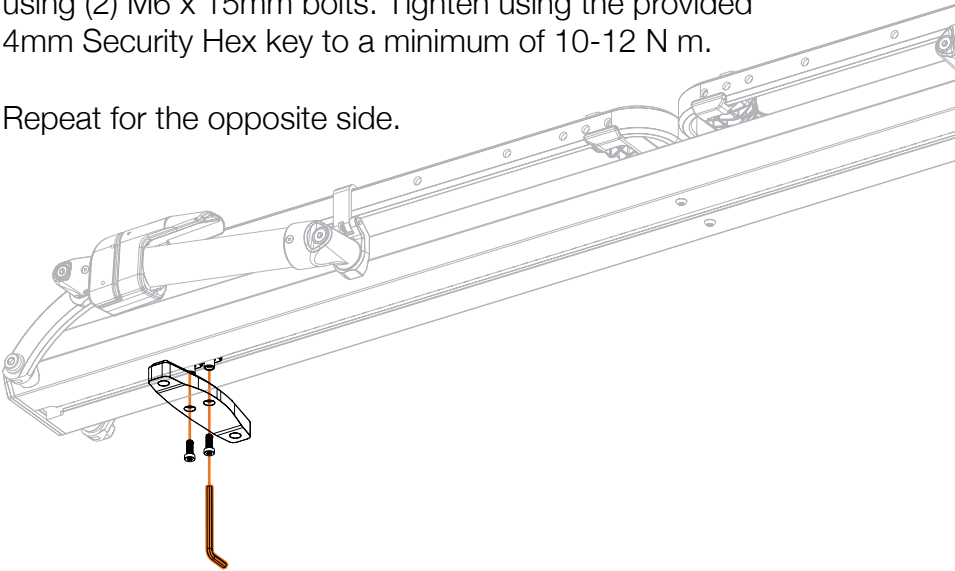
- 4 Orient the forward set of Short T-Channel nuts to reflect the distance measured between your crossbars.

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 N m.

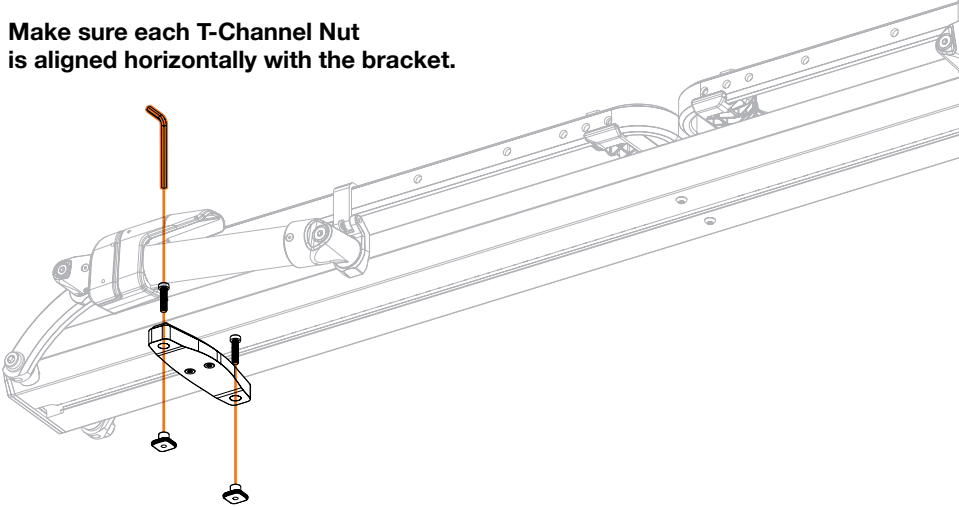
Repeat for the opposite side.



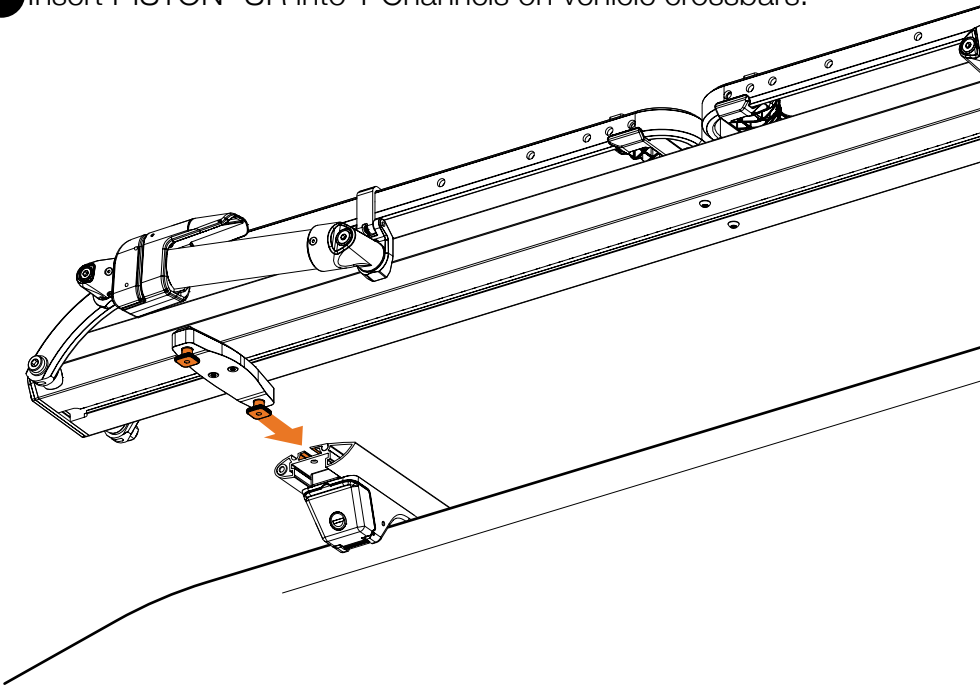
- 6 Thread (1) Short T-Channel Nut and (1) M6 x 15mm bolt through Crossbar Bracket footpad. Leave these bolts loose.

Repeat for the opposite side, on each Crossbar Bracket.

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

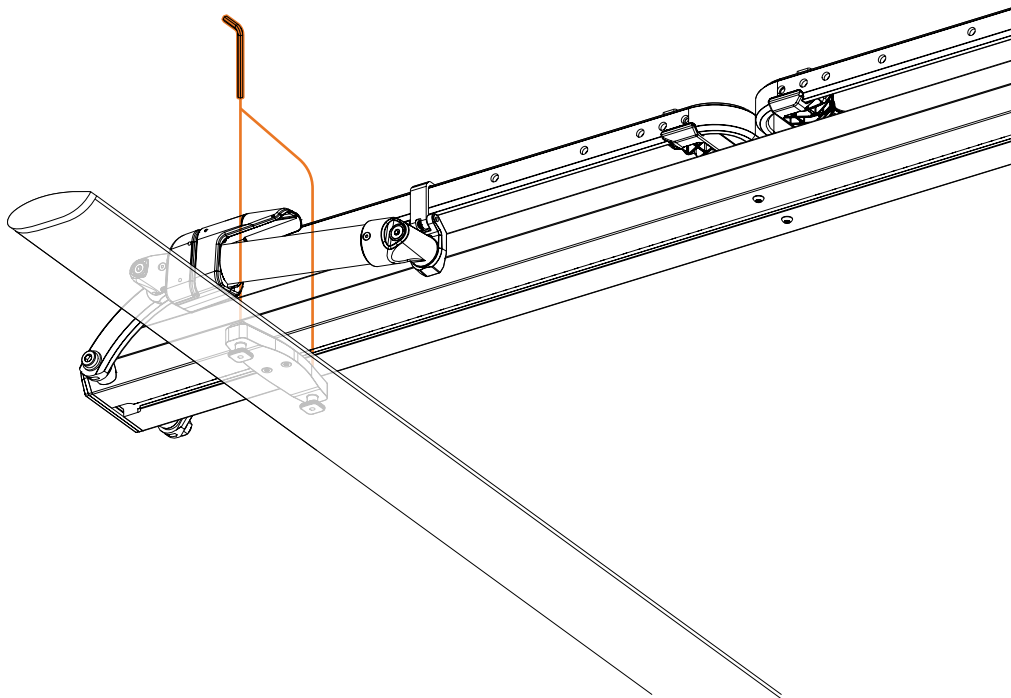


- 7 Insert PISTON™ SR into T-Channels on vehicle crossbars.



- 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 N m.

Repeat for the opposite side.

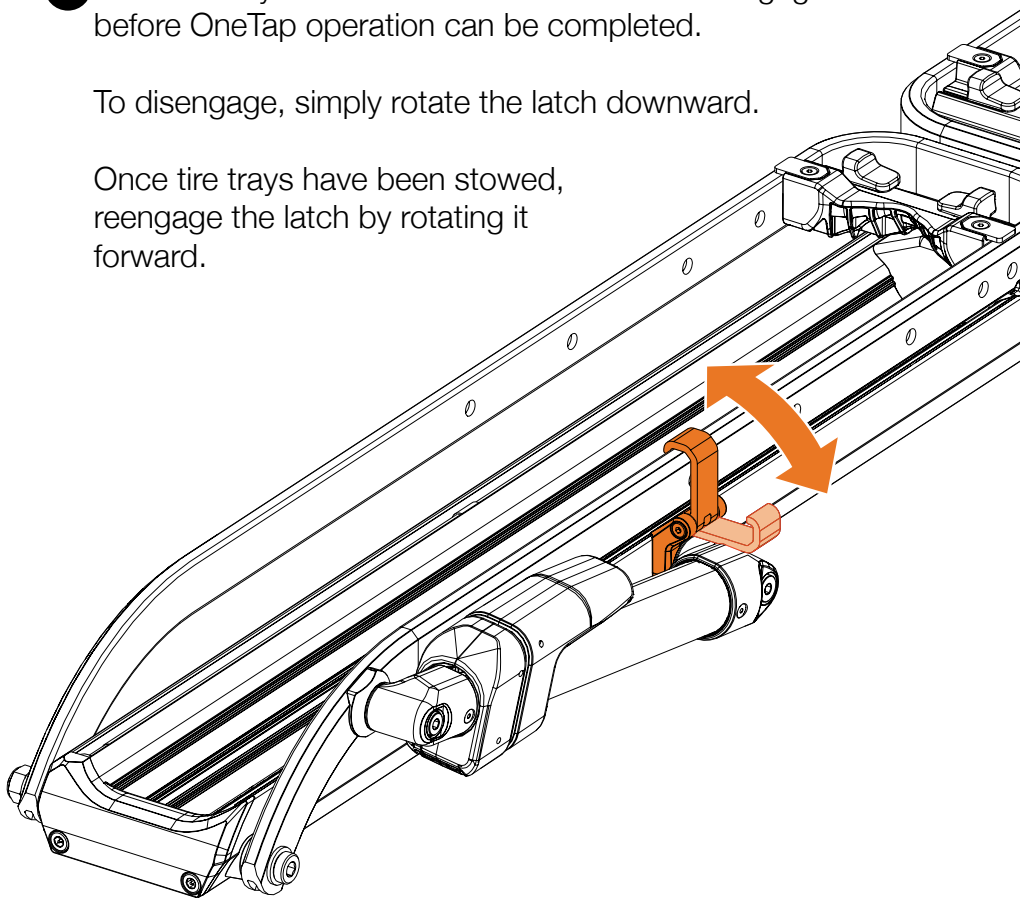


Tire Arm Keeper

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

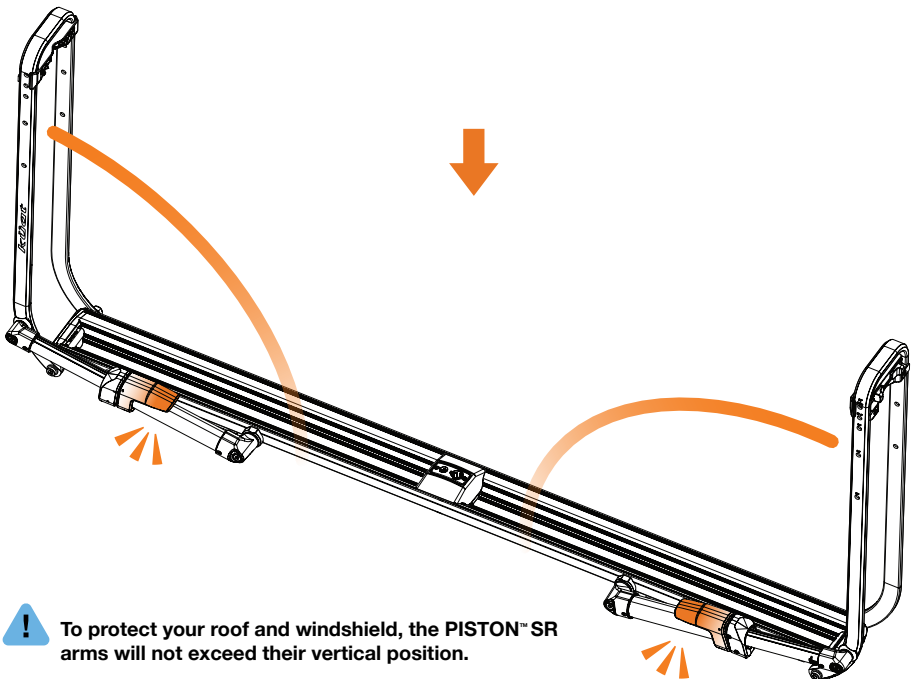
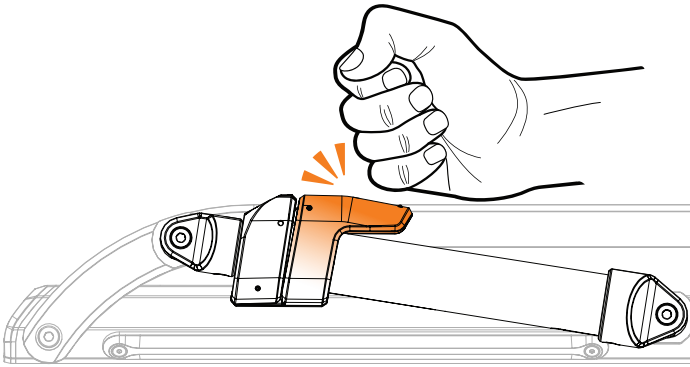
To disengage, simply rotate the latch downward.

Once tire trays have been stowed, reengage the latch by rotating it forward.



OneTap Operation

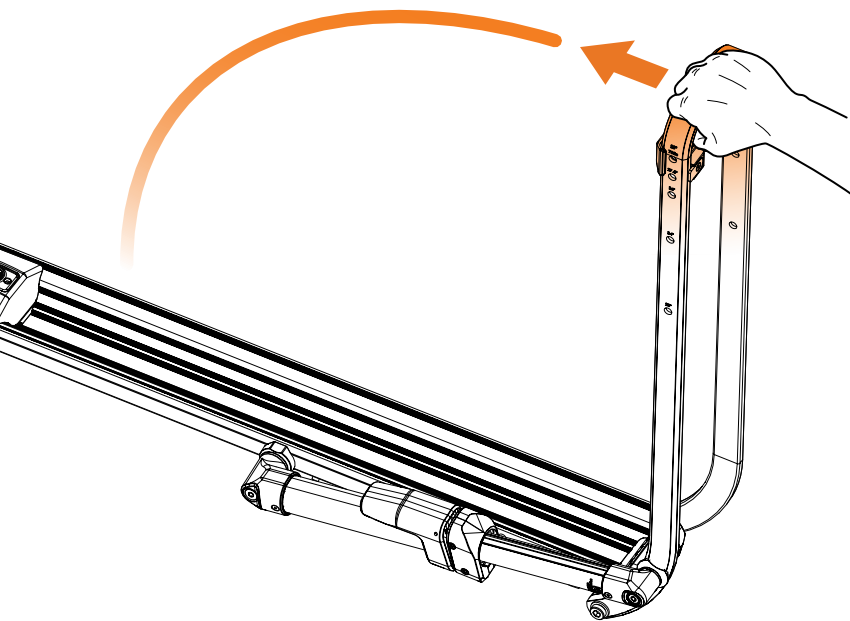
- 1 With Keepers unlatched, open each arm by tapping both OneTap Levers. Each arm will fully open automatically; there is no need to hold the levers down while operating.



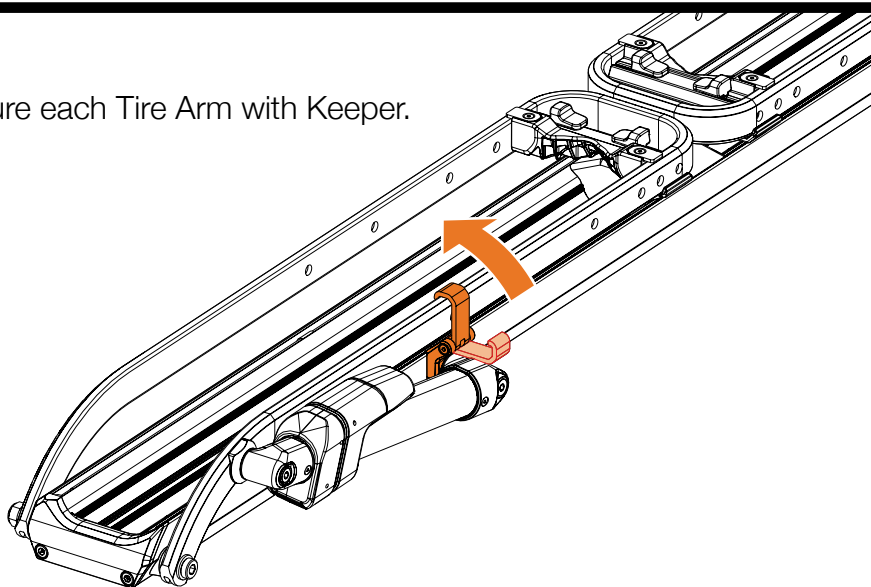
! To protect your roof and windshield, the PISTON™ SR arms will not exceed their vertical position.

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

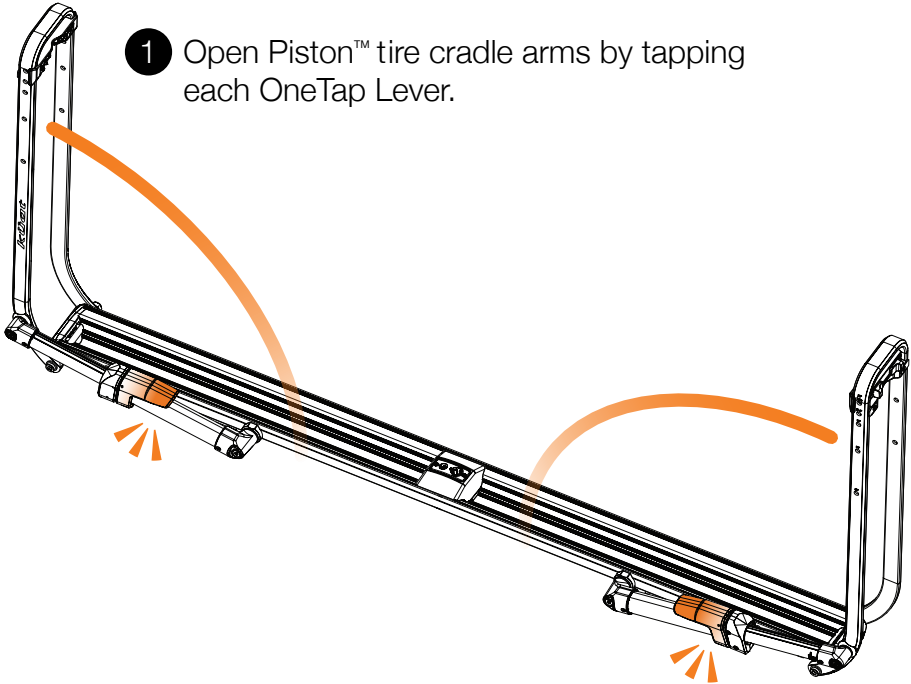
- 2 To close, simply push arms back down into stowed position. There is no need to re-engage the OneTap lever.



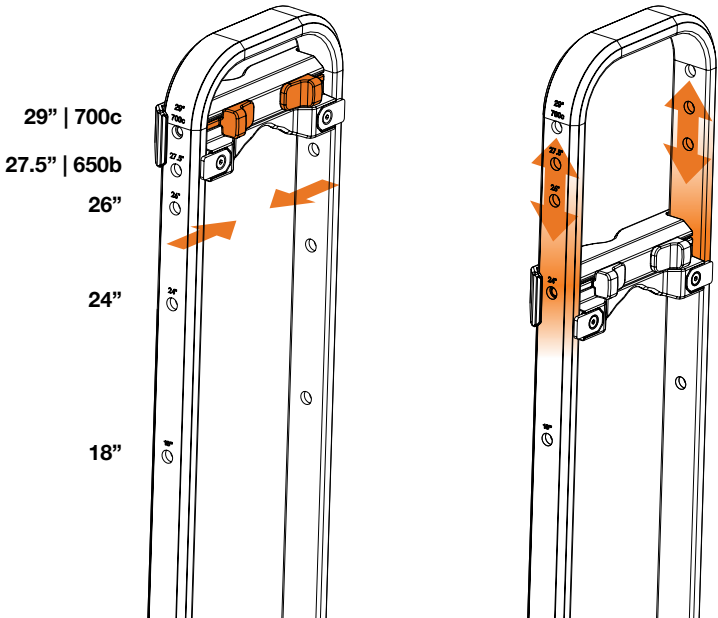
- 3 Secure each Tire Arm with Keeper.



Loading | Unloading Bikes

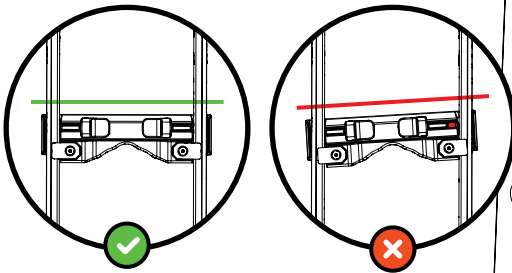
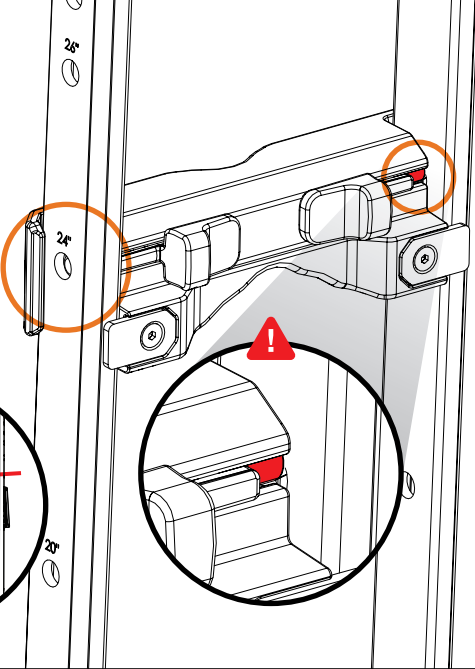


- 2 Push tabs inward and slide tire cradle up or down tire arm to adjust for desired wheel size.

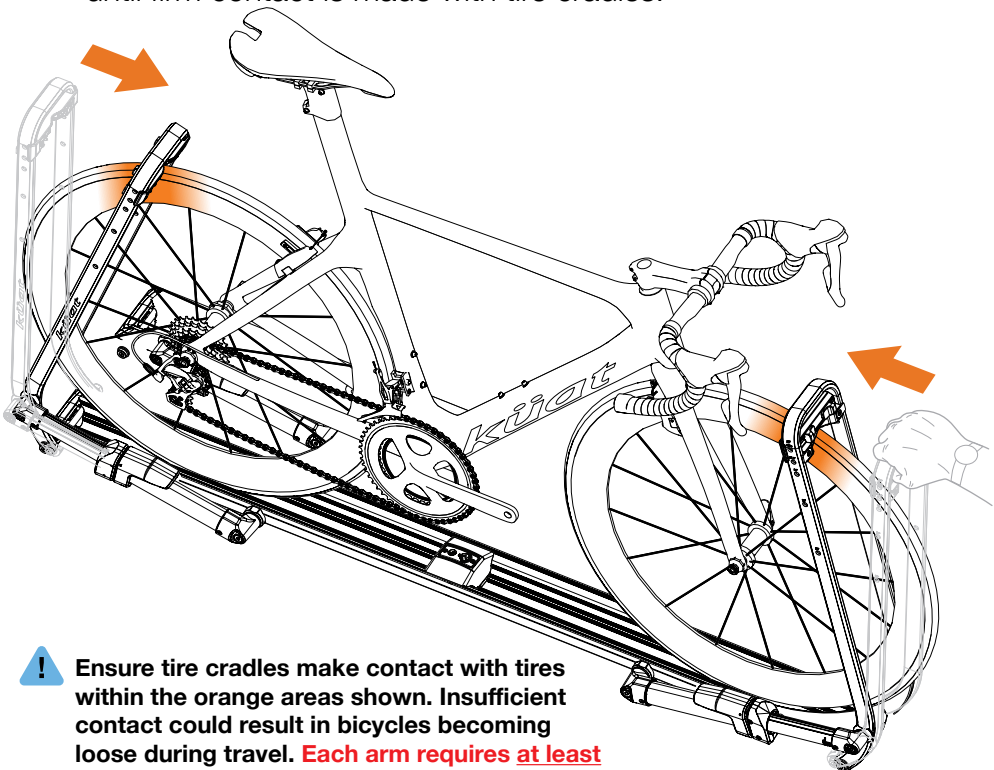


- 3 Visually ensure tabs are fully secured in notches. Misaligned tabs or tabs not fully secured will show a red warning indicator.

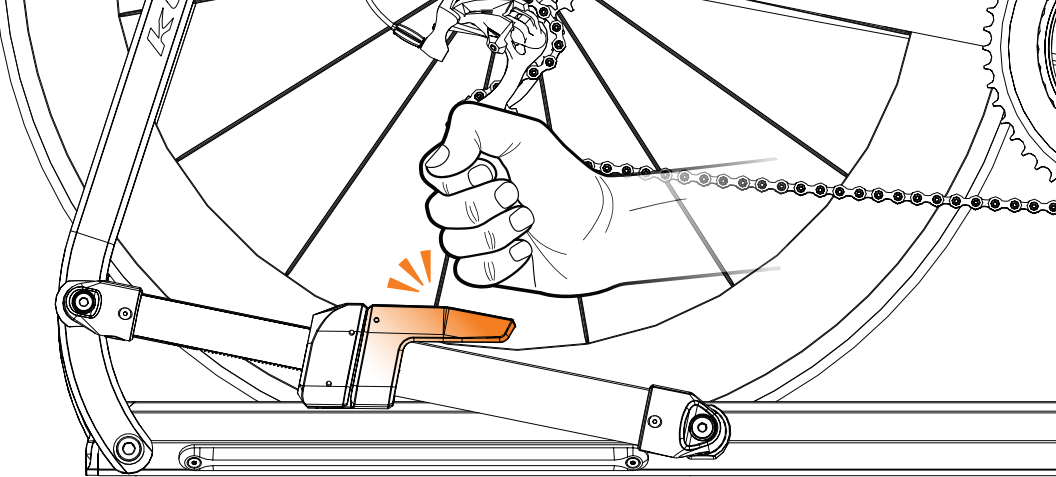
 **Failure to secure both tabs may result in bikes becoming loose and falling during travel.**



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



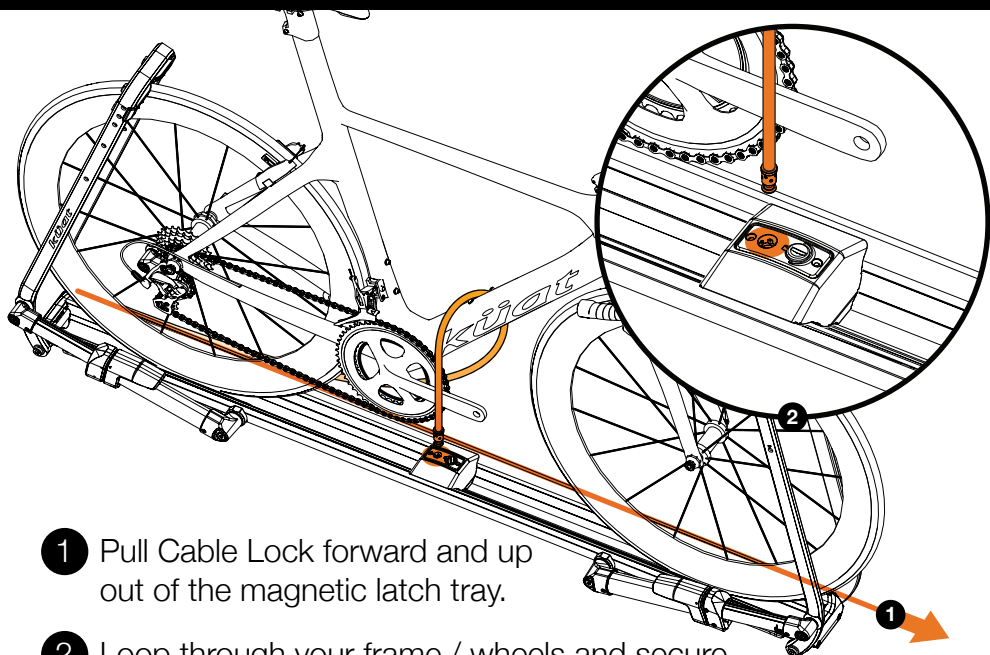
 **Ensure tire cradles make contact with tires within the orange areas shown. Insufficient contact could result in bicycles becoming loose during travel. Each arm requires at least 2 clicks of engagement to ensure safe transport.**



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

! 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.

Kuat Rack Warnings

PISTON™ SR

Number Of Bikes

1

Weight Per Bike

67 lb
30.4kg

Max Wheelbase

53 in
1346mm

Max Tire Width

5 in
127mm

WARNINGS

- 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.
- 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.
- Do not take through automatic car wash.
- Do not mount the PISTON™ SR vertically.
- Drive responsibly.

If you have questions or problems, please contact Kuat Racks directly by calling toll free 1(877)822-KUAT, or by email: info@kuatracks.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 la parrilla 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 portabicicletas.
- No utilice la rejilla fuera de la carretera (carreteras secundarias accidentadas, arrasadas, llenas de cantos rodados y surcos).
-Los caminos de ripio liso no se consideran fuera de la carretera.
- No use lonas, cubiertas para la lluvia o cubiertas contra el viento con este producto.
- No pase por lavado automático de autos.
- No monte el PISTON SR verticalmente.
- 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 rack est en bon état de fonctionnement avant chaque utilisation.
- N'utilisez pas de garde-boue avant avec ce produit sans kit de garde-boue Kuat.
- 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.
- Ne passez pas dans un lave-auto automatique.
- Ne montez pas le PISTON SR verticalement.
- Conduisez de façon responsable.

Küat Racks 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 portabicicleta 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.

Notes:

kuat[®]

1.877.822.5828

info@kuat.com

kuat.com