FlexFrame-U mounting instructions- English

KRYPTONITE®

FlexFrame U Bracket
mounting and adjustment instructions

Kryptonite
437 Turnpike Street
Canton, MA 02021
(781) 828-6655
www.kryptonitelock.com

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INS-FLEXFRAME-U REV 1111

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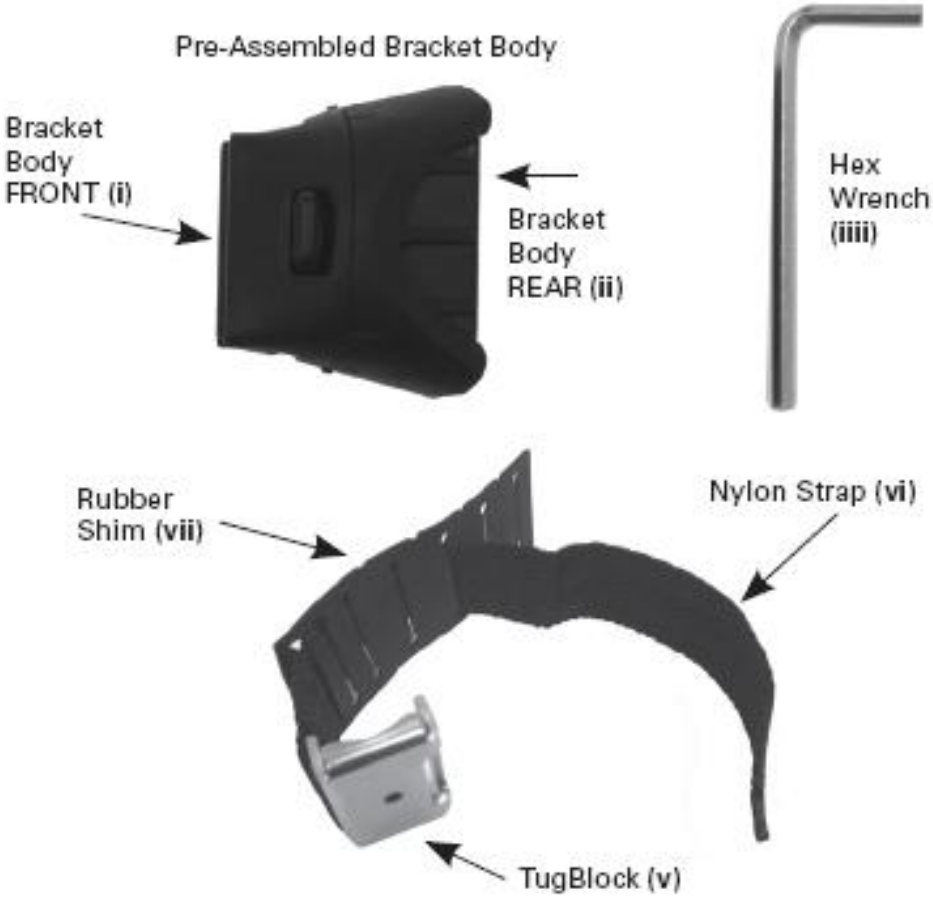
PARTS DETAIL



CONTENTS

- **Pre-assembled bracket body** includes: Bracket body front(**i**), Bracket body rear(**ii**) and Hex bolt(**iii**)
- Hex wrench-3mm(**iiii**)
- TugBlock(**v**) Metal tension carrier with Nylon Strap(**vi**) (permanently attached)
- Rubber Shim(**vii**)

GENERAL COMMENTS

- The **Pre-assembled bracket body includes**: Bracket body Front**(i)**, Bracket body Rear**(ii)** and Hex bolt**(iii)** **Note:** There is a small square shaped washer on the inside to hold them together and helps make the initial attachment easier.

- Rubber Shim**(vii)** comes pre-installed on the Nylon Strap**(vi)**. This is designed to protect your frame from the strap rubbing against the painted finish and also provides an anti-slip function in wet weather.

- If you need a new TugBlock**(v)** for a new or different bike, you can contact Kryptonite directly to purchase a replacement part.

- We recommend that you use a torque wrench with either "Inch pounds" or "Newton meters" measuring scales, but the supplied Hex wrench-3mm will do fine.

- This bracket is fully serviceable. For help with replacement parts, please contact our Customer Service department by email: **letters@irco.com** or Phone @ 800-SAY-LOCK(US) or +1-781-828-6655

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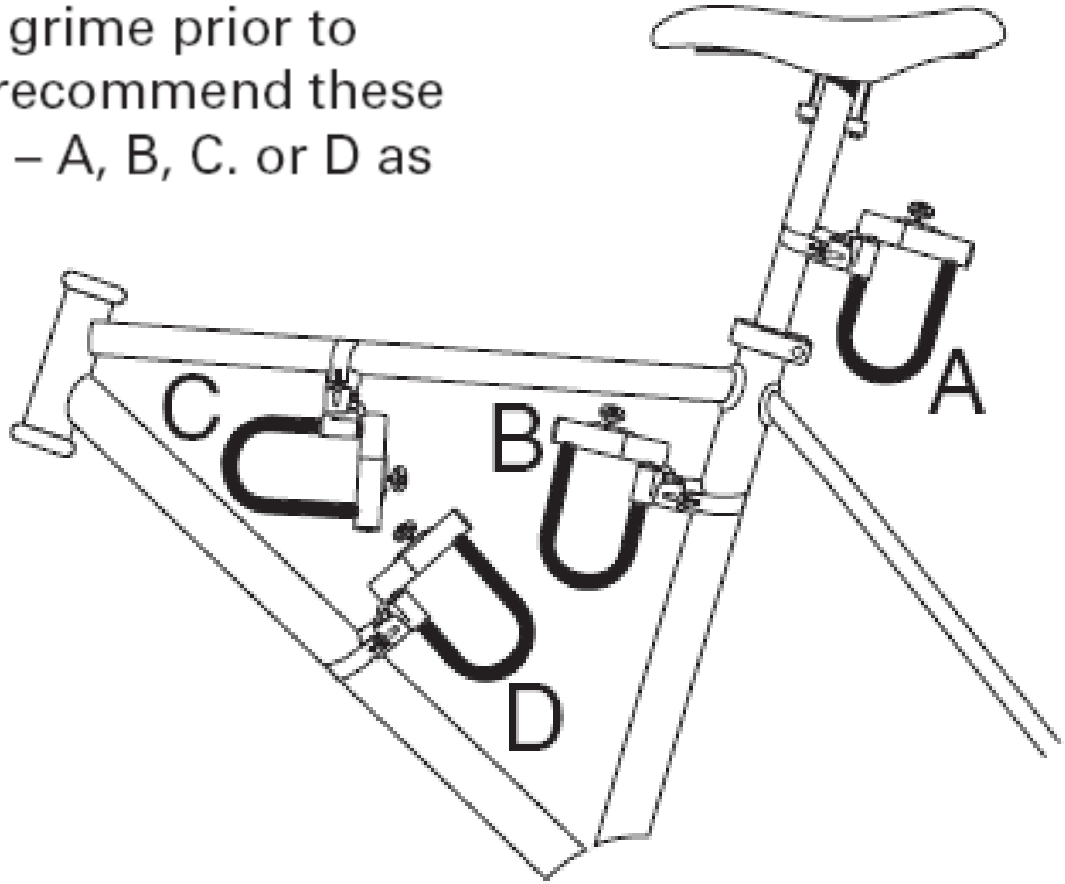
1. BRACKET INSTALLATION

STEP 1

Select your preferred mounting position on your frame or seat post and clean the area of any dirt and grime prior to installation. **NOTE:** We recommend these locations on the bicycle – A, B, C. or D as shown in the diagram.



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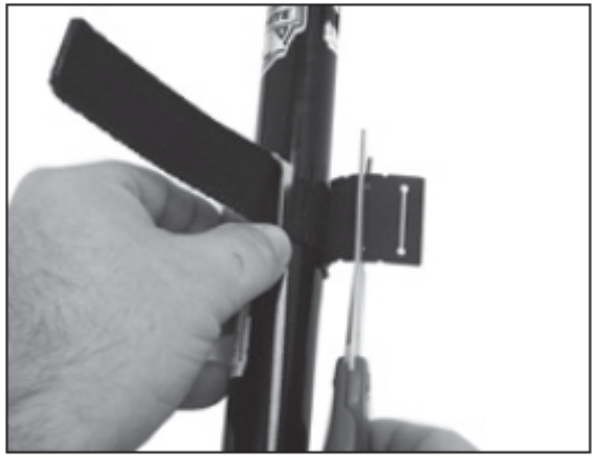
STEP 2

Determine the correct amount of protective Rubber Shim(**vii**) to be used for your preferred mounting location. Take the TugBlock(**v**) with Nylon Strap(**vi**) and wrap around either side of the tube you wish to install the bracket on. While holding the metal TugBlock(**v**) in one hand, insert the Nylon Strap(**vi**) into the cutout section on the TugBlock(**v**) and pull it through all the way. Check now to see how much of the Rubber shim(**vii**) length can be removed so that it allows the nylon strap to grip against the frame tube or seatpost surface properly and no extra material is in the way. Mark the location on Rubber Shim(**vii**), remove from bike and trim off the excess with scissors. It is recommended that you always use the Rubber Shim(**vii**) to protect your ride's finish.



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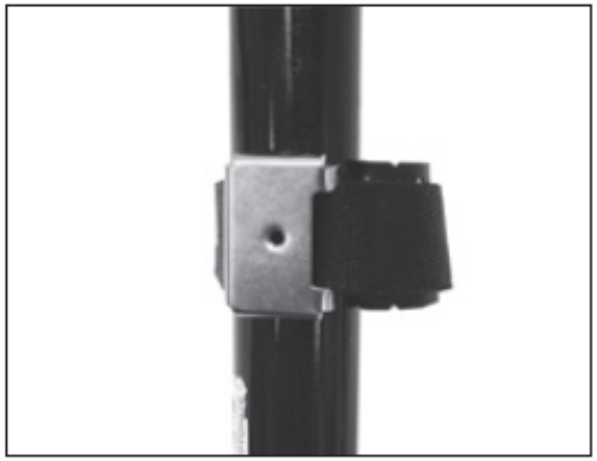
STEP 3

While holding the metal TugBlock(**v**) in one hand, wrap the Nylon Strap(**vi**) around the same location. Insert the Nylon Strap(**vi**) back into the cut-out section in the TugBlock(**v**) and pull it through. Snug up the metal TugBlock(**v**) against the frame with your thumb, while pulling the strap all the way though as possible, then bend back the Nylon Strap(**vi**) in the opposite direction so the webbing will get caught into the small cutout area. This will hold the TugBlock(**v**) on its own and free your hands for the next part of the installation process.

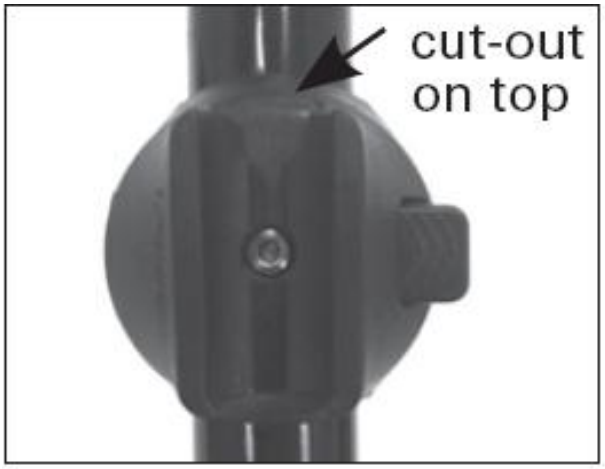


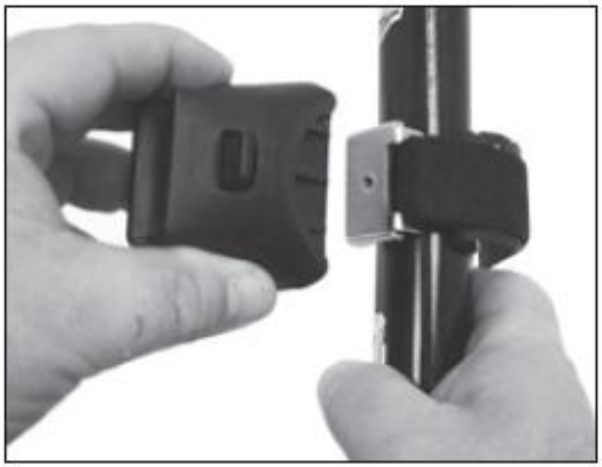
STEP 4

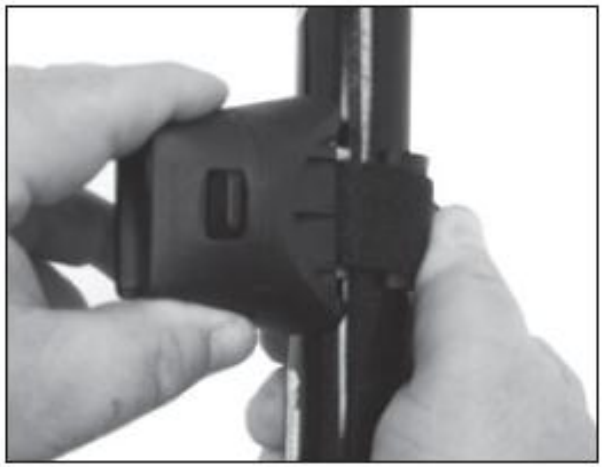
Take the Pre-assembled bracket body and be sure you slide it over the metal TugBlock(**v**) with the open Cut-Out facing the way you want to insert your lock into the bracket. Press in until the bracket body rear(**ii**) is as close to the frame tube or seatpost part as possible. While holding the plastic cover together with the frame in one hand, take the supplied Hex wrench(**iiii**) and inserting the longer portion of the wrench into the center Hex bolt(**iii**), start to rotate in a clockwise direction making a few rotations to capture the threads into the TugBlock(**v**). Check to be sure it has started. Continue to rotate the Hex bolt(**iii**) until you feel the bracket starting to get a good initial snug fit against the frame or seatpost area. Make any final adjustments to your positioning, then continue to turn Hex bolt(**iii**) with the longer portion of the wrench inserted until you moderately strain turn with your hand. Check the support of the bracket to be sure all fit points are firm without being over tightened.

Images next page

STEP 4







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STEP 5

Perform an initial check for lock position. You want to be sure it does not interfere with your pedal stroke, handlebar/fork steering or braking/shifting cable functions. Insert lock into the bracket until you hear an audible click. This confirms the lock is inserted to the proper depth and engages the retention mechanism. **To remove your lock:** While holding onto the lock body with one hand, push in the release tab on the bracket and hold while lifting out fully. If the position is ok, proceed to **Step 7** of the instructions for final steps. if not. follow **Step 6** first.




STEP 6

Loosen the Hex bolt**(iii)** counterclockwise with hex wrench**(iiii)** to reduce tension on Nylon Strap**(vi)** either to completely move bracket from its current position to a remount to a different location on the bike or just enough to allow the bracket to be moved slightly out of the way. Reinstall or tighten Nylon Strap**(vi)** as done in **Step 4**, then proceed to **Step 7**.

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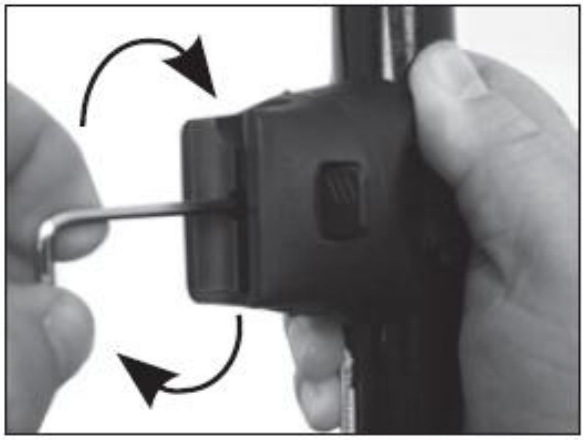
STEP 7

The final adjustment requires you to tighten the Nylon Strap**(vi)** for required support. This can be done in two ways. We recommend that you use a torque wrench with "Inch pounds" or "Newton meters" measuring scales. Tighten Hex bolt**(iii)** no more that 25 inch pounds or 2.8 Newton Meters of pressure. If a torque wrench is not available, you can visit your local bicycle shop and ask for their assistance if they did not initially mount the bracket. If a torque wrench is not available, use the small end of the hex wrench and insert into the bolt head. Rotate bolt one full turn (360-degrees) and stop to check its fit, to ensure it is firm against the tube. If still loose, rotate hex wrench**(iiii)** clockwise another 360 degree turn and recheck fit. Follow this process until you feel the bracket is connected properly and securely. Always check your bracket's fit against the tube on a daily or weekly basis. If it loosens, re-tighten to the required force amount.



Do not over tighten hex screw. For cyclists with carbon fiber frames or thin walled Steel/Aluminum tubes it is very important that you do not exceed the maximum rate of force detailed above or you might risk crushing the tubing if you over tighten. Please use a torque wrench to be sure your correct. We do not recommend using Shop T-handle hex wrenches as these generate a high amount of torque on the Nylon Strap**(vi)**. Kryptonite is not responsible for brackets that are over-tightened past the listed force rate above.

2. SPLINE ADJUSTMENTS ON THE SHACKLE

Position the spline already mounted so that if faces in the direction you want to insert it into the bracket.

(For ulocks only) Tighten set-screw on flat part of spline snug to the shackle with the hex wrench**(iiii)** at the desired location.

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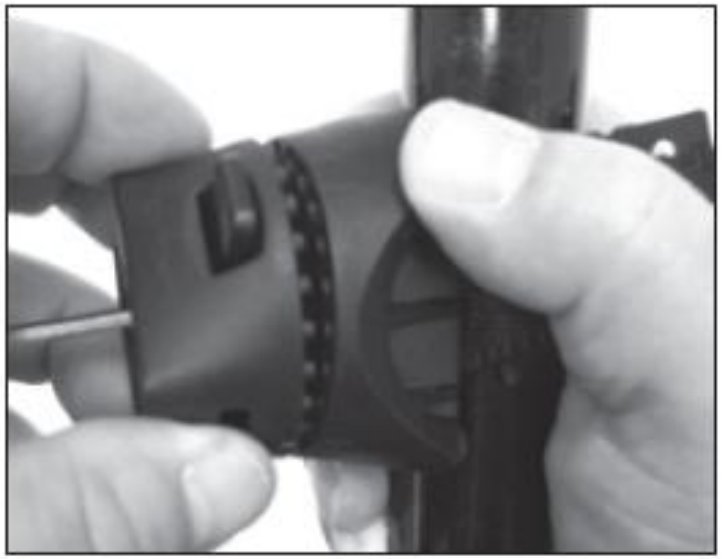
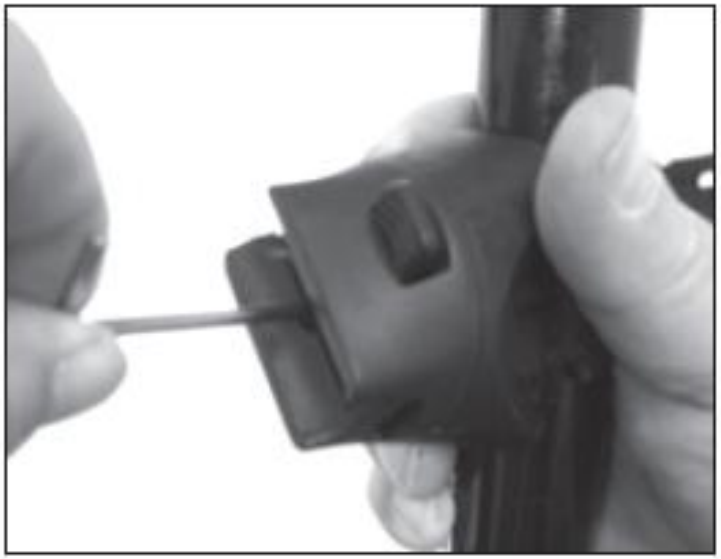
STEP 8 ROTATING BRACKET ADJUSTMENT (OPTIONAL).

You can fine-tune the adjustment angle of the lock when the bracket is mounted to better fit the lock to the frame by following these steps. The Bracket body front**(i)** allows you to turn it a full 360° rotation.
Remove your lock from the bracket. Using the hex wrench**(iiii)**, turn the Hex bolt**(iii)** counterclockwise 6 to 7 full turns. While holding the Bracket body rear**(ii)** in one hand, pull out towards you the Bracket body front**(i)** until the small round "Teeth" come out far enough to allow rotation. If this does not happen, loosen the Hex bolt**(iii)** again counterclockwise until the "Teeth" are out far enough. Rotate in the direction you need to change the angle position. Each "Teeth" position change is equal to 15 degrees Align "Teeth" to the holes and re-insert Bracket body front**(i)** into the Bracket body rear**(ii)**. While pushing in, thread Hex bolt**(iii)** in a clockwise rotation and tighten back to the required force required. Check bracket to ensure it will not slip. Re-insert lock to check position and adjust as needed.

STEP 8 ROTATING BRACKET ADJUSTMENT (OPTIONAL).





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STEP 9

Conceal or trim off excess Nylon Strap**(vi)** so it is not in the way. If possible you can try to weave the extra strap back around and re-insert into the extra slits provided on the Rubber Shim**(vii)**. If this is not possible, trim off Nylon Strap**(vi)** so that 1 inch (2.5 cm) of extra strap still appears outside of the Bracket body rear**(ii)**. You will need to heat seal the nylon material ends so it does not unravel.

You can either use: (#1) Heat gun/Hairdryer, (#2) pocket lighter with low flame control. Your goal is to Singe the ends of the nylon fibers to melt together. Do not burn them.

<<CAUTION: When performing this function, use the proper safety gloves and glasses needed. Perform this in a well ventilated area free from combustibles and be sure you keep other parts of the bike frame away from burn possibilities.>>