

Retül Müve Kit Build Introduction



Thank you for purchasing the Retül Müve dynamic fit bike.

Use these instructions to aid in assembling your new fit bike.

The Member's Area of www.retul.com is a great resource to gather informational documents and view instructional videos for the Müve fit bike. The videos include:

- A thorough walkthrough of the assembly of the Müve fit bike
- Overview on the accessories included with your Müve such as the Stack and Reach rulers

The Retül Müve is adjusted through the use of lead screws. Each full turn of a knob (large or small) will yield a move of 2.5mm.

The optional fit-crank is attached via a standard square-taper bottom bracket.

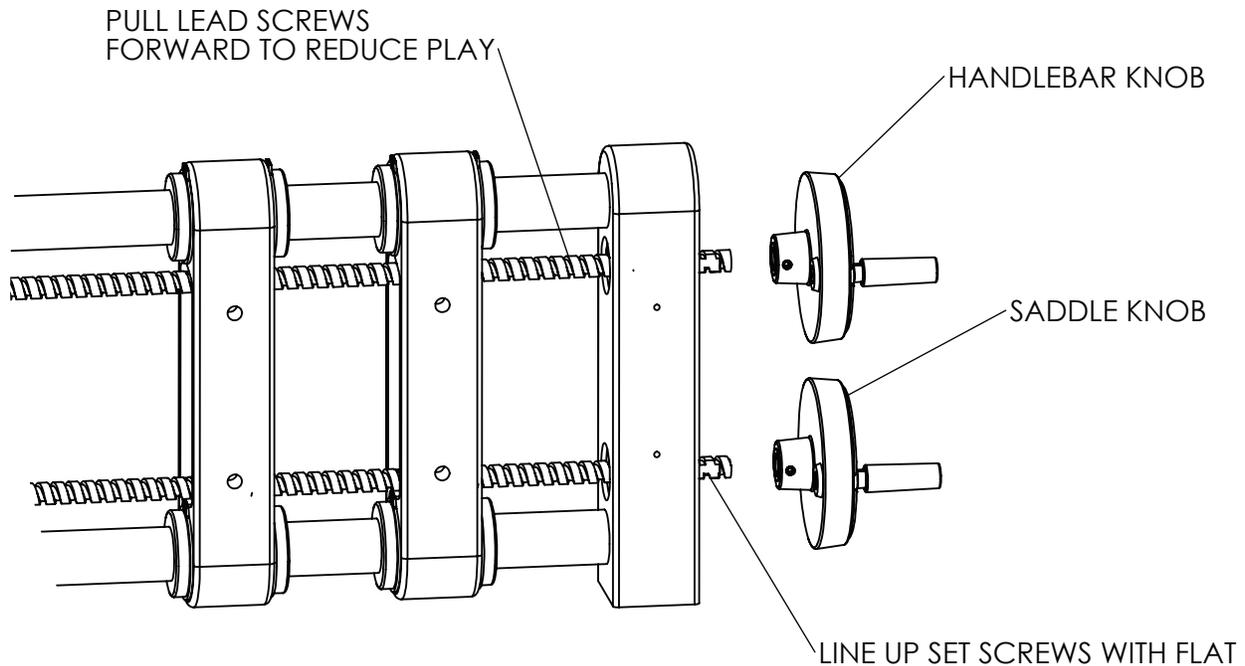
Included is a length of chain and master link sized for a 53T chainring and the included 16T freewheel. There are also extra lengths of the chain (1/2" x 3/32") in case a larger chainring is used. The chain should be set to the proper tension with

Manufacturer Information:

Crucial Innovation LLC / Retül
5445 Conestoga Ct #100
Boulder, CO 80301
+1 720-406-1171
info@retul.com



Retül Müve has a 1 year warranty for materials and workmanship. Due to the build to order nature of the product, returns are not accepted.



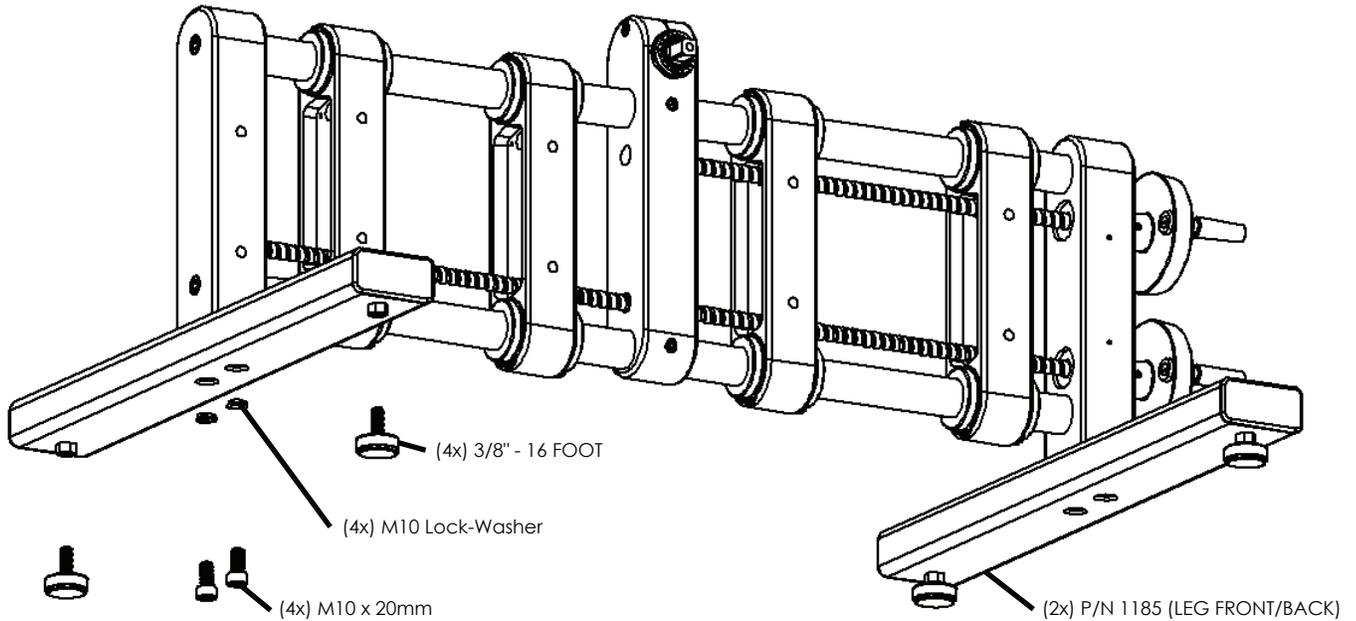
Notes:

1. Use a thread locker (e.g. Loctite 243) on the M6 set screws in the large knobs.
2. The HANDLEBAR knob goes in the upper position and the SADDLE knob goes in the lower position.
3. Rotate the lead screws so that the flat side of the lead screw will line up with the knob set screw.
4. Pull the lead screws forward to remove the horizontal play when mounting the large knobs.
5. Place a piece of paper between the front plate and the knob.
6. Tighten the set screw lightly, remove the piece of paper and check that the knob rotates smoothly with little to no horizontal play.
7. If the rotation is smooth, tighten the set screw the rest of the way.

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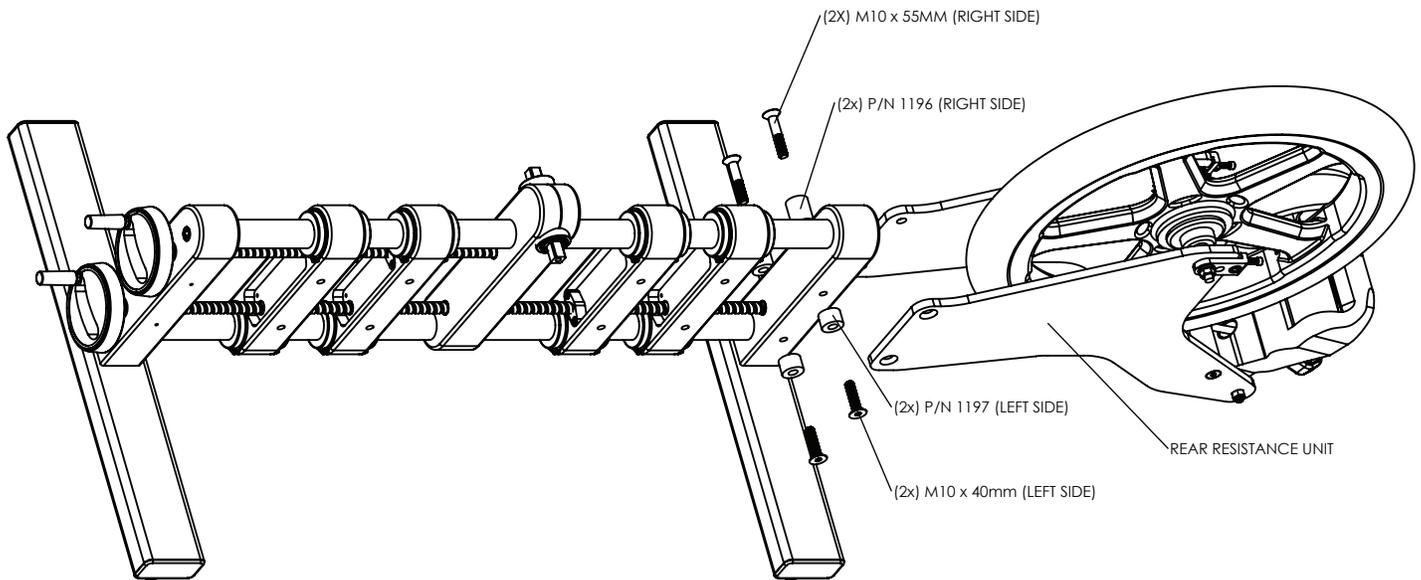
Notes:

1. Use a thread locker (e.g. Loctite 243) on the M10 screws that mount the legs to the horizontal movement towers.
- Make sure to use the lock-washers so the legs don't come loose.
2. Do not use thread locker on the feet - they may need adjustment for leveling the fit bike.

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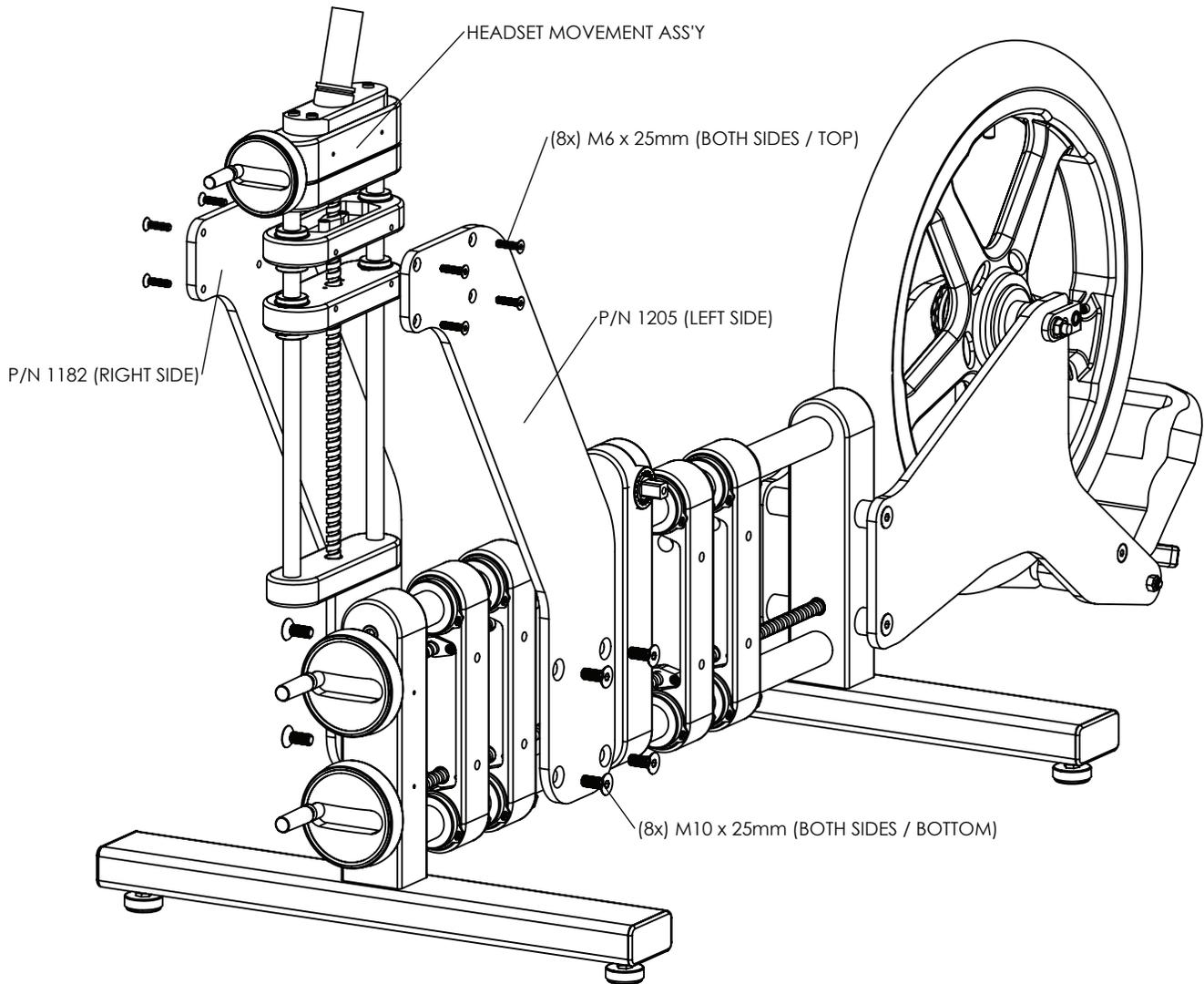
1. P/N 1196 & 1197 are spacers that mount between the rear plates and the horizontal towers.
2. Use a thread locker [e.g. Loctite 243] on the mounting hardware.

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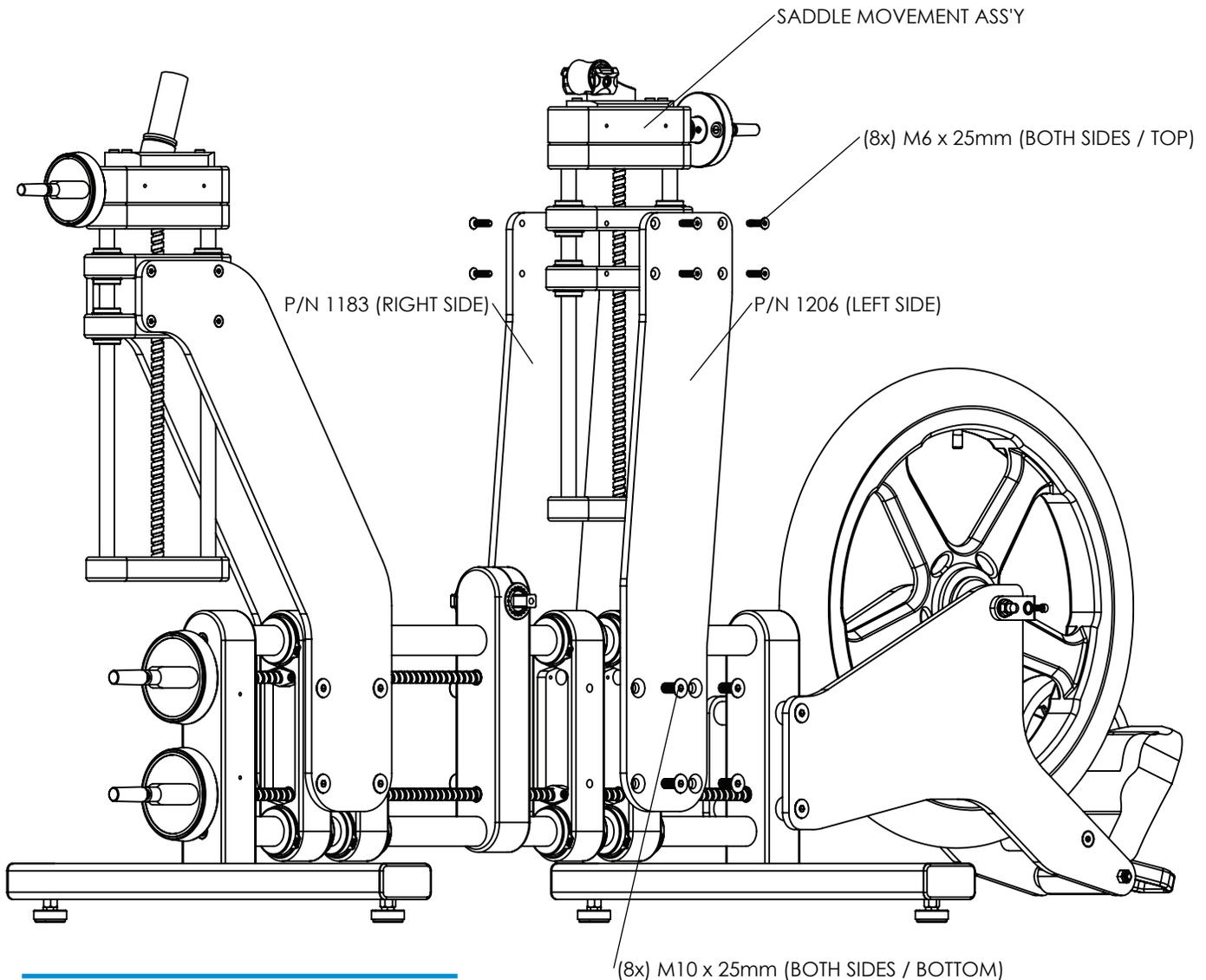
1. Vertical and Horizontal movement bearing blocks will need to be aligned when mounting the side plates to the fit bike.
2. Use thread locker (e.g. Loctite 243) on all mounting hardware.
3. Leave all side plate screws slightly loose until all screws (both sides) have been threaded on to facilitate final alignment.
4. Tighten all screws fully once alignments are achieved.
5. Kit includes one extra M6 x 25mm and one extra M10 x 25mm screw.

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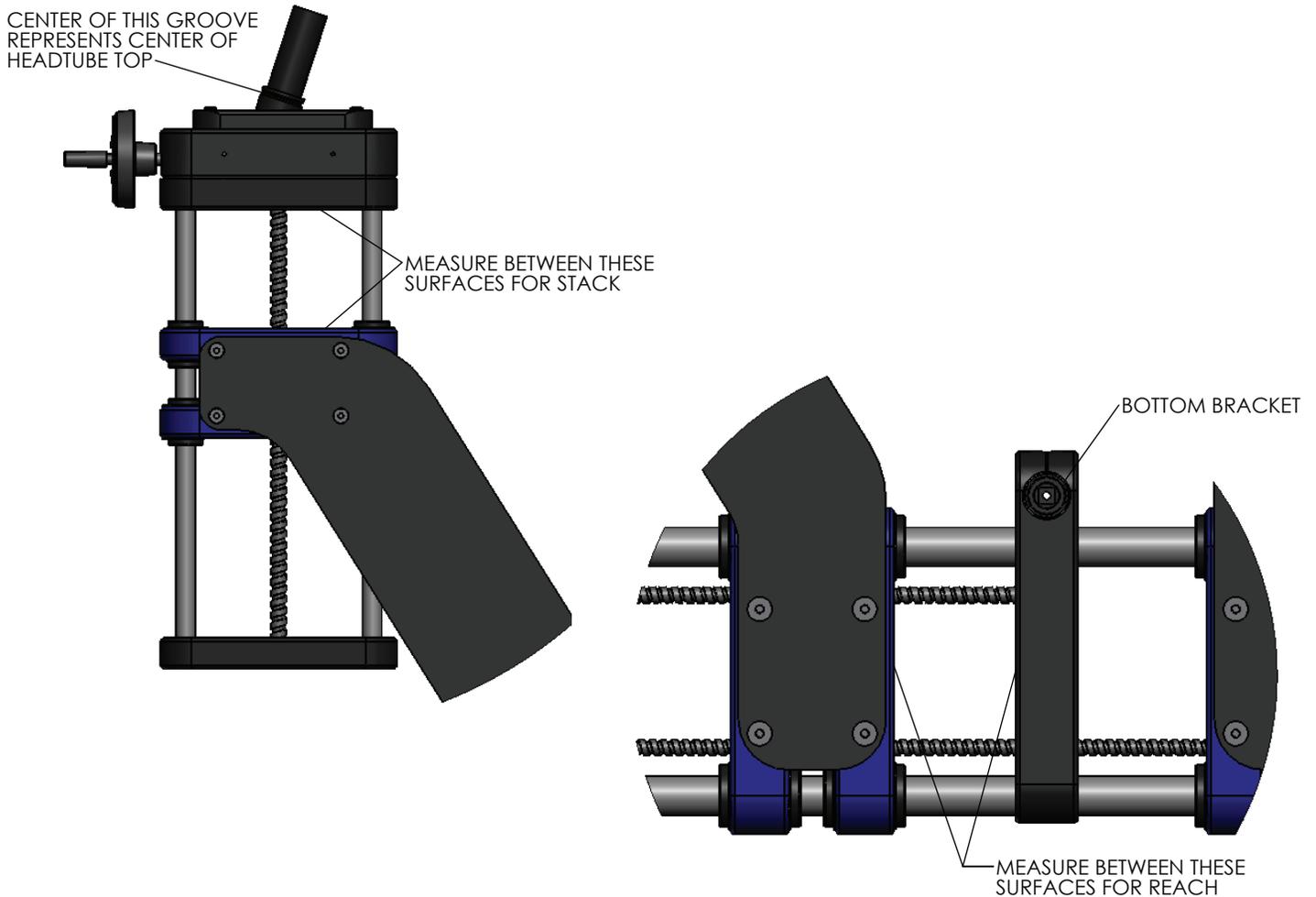
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Retül Müve Stack and Reach Measuring



Notes:

1. Use the rulers labeled STACK and REACH to measure the stack and reach from center of the bottom bracket to the center of the groove on the stem mount.
2. There is 5mm between the center of the stem groove and the bottom of the steerer post. This replicates a permanent 5mm headset top cap above the center of headtube top.
3. The rulers start with the number that compensates for the offsets in the fit bike.
4. All you need to do is measure between the surfaces shown to quickly get the stack and reach.
5. Place the lower number edge of the ruler on the blue surface and read the ruler where it crosses the black surface.

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Retül Müve Care and Maintenance



Use this as a guide for care and maintenance of your new fit bike.

Shafts:

- Keep a thin film of ParkTool Polyube 1000 or equivalent grease on the polished steel shafts to prevent corrosion and maintain the linear bearings.

Drive Screws, Knobs, and Bevel Gears:

- Keep the drive screws and bevel gears (under top caps of vertical movements) well lubricated with Phil's Tenacious Oil or equivalent light oil. Do not loosen the bevel gears or shaft support blocks under the plastic spacers. Apply small amounts of oil where the knobs and screws rotate.

Chain and Tire:

- Lubricate the chain as you would any other bicycle chain. Check the Tire pressure regularly to maintain proper resistance during use.

Note:

- Refrain from touching the lubricated surfaces to reduce corrosion. If you are in a high humidity environment and/or high usage, lubrication will be required more often. Also, periodically check the tightness of the bolts.

Cleaning:

- Spray a clean, lint free cloth with any mild household cleaner and wipe down the fit bike surfaces.

IMPORTANT NOTICE:

Follow all applicable laws in your country and specific location for disposing of waste products including lubricants and cleaning agents used to maintain the proper functioning of your Retül product. Follow all MSDS and PPE precautions when handling lubricants and cleanings agents and store them in a safe place when not in use. While Retül manufactures this product using off-the-shelf/non-custom lubricants commonly used in the bicycle industry and in most bicycle shops, we are not responsible for the misuse, mishandling, alterations or substitutions that are not intended for use on bicycle chains, bearings and bearing surfaces, and common metals (aluminum, steel, brass, etc.).

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Use this as a guide for health and safety on and around the Müve fit bike.

The Retül Müve weighs approximately 140lbs (64kg) fully assembled with the standard resistance unit attached. Its maximum rider weight is 250lbs (115kg) on the saddle, on the vertical movement. It is recommended during final assembly of the Müve to use two people, one to hold the plates and mechanisms while the other affixes them with the provided hardware. Tighten all the hardware and verify by pushing and pulling on all pieces to ensure they are tight and properly aligned.

Use two people when moving a fully assembled Müve and avoid any area that can pinch, bind or catch a person's body part or clothing. Follow proper lifting practices (do not use your back) and lift from an area of the Müve that can give you a good handhold and good leverage without interfering with carrying it to the location you desire. Make sure the path is clear of obstacles and that both people know where they are going and the orientation of the Müve in the desired location before they begin lifting.

Follow the enclosed instructions for the final assembly and do not substitute hardware or modify the Müve in any way from how it was designed and manufactured. Re-engineering, modifying, substituting, changing or using the Müve (or its components) for anything but its intended purpose will void the warranty and possibly cause bodily injury, property damage and/or death.

During normal use of the Müve you should be mindful at all times where the wired pods from the harness, any extensions and all other equipment, are in relation to the moving parts of the Müve, and avoid getting them trapped or pinched between plates, shafts, bearings, and/or resistance units. Verify the security of any saddles, handlebars, pedals and any other roadworthy products that are used with the Müve before a rider assumes a riding position.

The Retül Müve has been tested and manufactured to be a safe product with a long useful life, providing regular care and maintenance is performed.

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