

FELT ALLOY AEROBAR INSTRUCTION MANUAL



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INTRODUCTION

Thank you for purchasing the Felt aerobar system. Like all Felt products, this aerobar is engineered to offer maximum adjustability and dependability while being easy to use and service. Because this is a precision engineered product we ask you to take great care in its installation and use. Please apply quality grease to all bolts and always use a torque wrench when tightening all fasteners.

If you are unsure about anything during the installing of this product, please seek the assistance of a qualified bicycle mechanic which you can find at any Felt Authorized dealer. For your local Felt dealer listings please consult our website.



Limited Warranty: Handlebars

Subject to the terms, conditions and limitations set forth below, Felt products are guaranteed against defects in materials and workmanship for one year from date of purchase from an authorized Felt Dealer. This warranty applies only to the original owner of Felt products and is not transferable to subsequent owners. This warranty does not cover a cracked handlebar or other damage due to crashes or other similar impacts. Felt alloy Handlebars have no implied lifespan due to the many variables that affect them, including the amount and type of use, as well as other conditions. It is the owner's responsibility to have his/her Felt products including the handlebar inspected by a technician at an authorized Felt Dealer on a regular basis to defect any damage that may have occurred during normal use and immediately after a crash or other impact even if there is no visible damage. Limited Warranty Service: To obtain service under this warranty, the original purchaser must present the product along with the original, dated proof of purchase to an authorized Felt Dealer.

Limit of Warranty: During the duration of this warranty, Felt Bicycles, LLC, will—at its sole discretion—either repair or replace any Felt product deemed by Felt to be defective. All Felt products should be regularly inspected by a technician at an authorized Felt Dealer for indications of potential failures. These are important safety checks and may help prevent accidents, bodily injury to the rider, and shortened product life cycles of Felt products.

Not covered under limited warranty

- · Normal wear and tear
- Any product improperly installed, assembled or maintained.
 Any product that Felt determines has been modified or used with neglect to maintenance.
- Any product used for stunt riding or similar activities, racing, commercial purposes or in any other manner for which they were not designed.
- Damage, failure or loss resulting from causes other than manufacturing defects. This may include but is not limited to: theft, nonstandard or unapproved use, rider error, accident, abuse, neglect, or failure to follow applicable instructions or warnings.
- Finish blemishes or damage due to exposure to the weather or to a chemical or other similar environment.
- Labor costs associated with servicing, repairing or replacing the product.

Felt Bicycles, LLC, makes no other warranties express or implied by operation of law or otherwise, including the warranties of merchantability and fitness for a particular purpose, which are limited in duration to those of the express warranties stated herein.

Felt Bicycles, LLC, shall not be liable or responsible for direct, incidental or consequential damages including but not limited to damages for personal injury, property damage or

economic losses, whether based on contract, warranty, negligence, product liability or any other theory.

Some states do not allow the exclusion or limitation of damages or how long an implied warranty lasts so the above limitation/exclusion may not apply to you.

PARTS LIST

QTY.	SIZE - PART NAME	PART
4	M6 x 35mm - Bolt	
4	M6 x 30mm - Bolt	
8	M6 x 25mm - Bolt	
8	M6 x 20mm - Bolt	
10	M6 x 15mm - Bolt	
4	M5 x 12mm - Bolt	
40	Fit Washer	
2	Bracket Spacer	0
2	Armrest Washer	
2	Threaded Nut	
1	Narrow Fixed Bracket	
1	Adjustable Bridge	= =
2	Armrest	

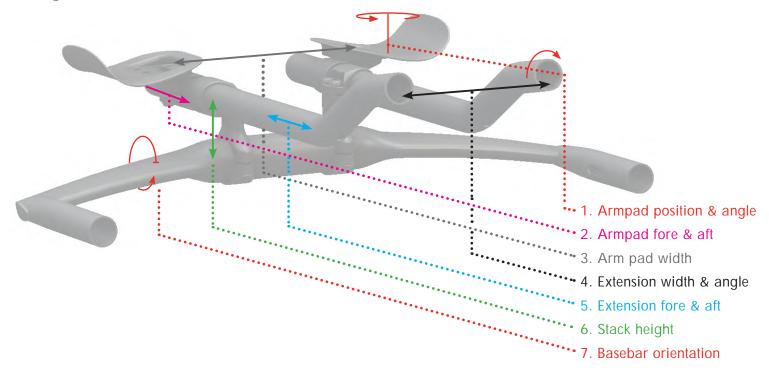
QTY.

SIZE

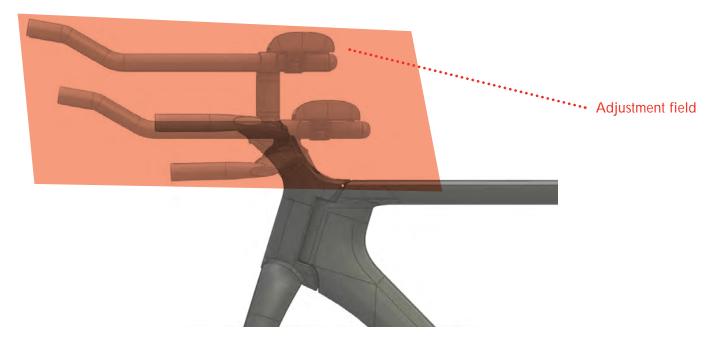
PART

OVERVIEW

The below reference highlights the five main areas of adjustment that can be manipulated to achieve the desired configuration.

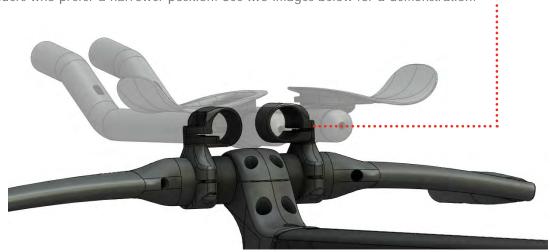


Below is a box that illustrates the range of common positions that can be acheived with the Felt aerobar system.



OVERVIEW

Further adjustment can be achieved by flipping the extension brackets 180 degrees to position the extensions closer together for riders who prefer a narrower position. See two images below for a demonstration. ••••



Shown below is an example of a low-stack configuration with a wide arm pad and extension position.



The example shown directly below is configured in mid-stack height and utilizes a fixed bridge for stability.



CONFIGURATION REFERENCE CHART

BEFORE BEGINNING ASSEMBLY OF AEROBAR, READ THE CHART AND NOTES ON STACK HEIGHT BELOW.

If you know your dimensions you require while riding a TT/TRI bicycle, the chart below will help you quickly identify the hardware required to achieve your desired stack height.

If you do not know the dimensions you require, Felt recommends getting fitted by a qualified fit specialist.

Siack	1hcade (C.C)	Non-threshop		100 BOIL		911
35	Х	X	2	20	X	
40	Х	5mm	4	25	Х	L
45	Χ	10mm	4	30	Χ	
50	Χ	5mm +10mm	6	35	Χ	
55	20	Χ	4	20	15	
60	20	5mm or Fixed or Adj. Bridge	6	20	15	
65	20	Adjustable Bridge + 5mm		30	15	
70	30	Fixed Bridge or Adj. Bridge		30	15	
75	30	Fixed Bridge + 5mm or Adjustable Bridge + 5mm	8	30	15	
80	30	Adjustable Bridge +10mm	8	35	15	
80	40	Fixed Bridge or Adj. Bridge	6	35	15	
85	40	Fixed Bridge + 5mm or Adjustable Bridge + 5mm	8	35	15	
85	40	Fixed Bridge + 10mm or Adjustable Bridge + 10mm	8	35	15	
90*	40	Fixed Bridge + 10mm + 5mm or Adjustable Bridge + 10mm + 5mm	8	35	25	

Notes about table to left:

1

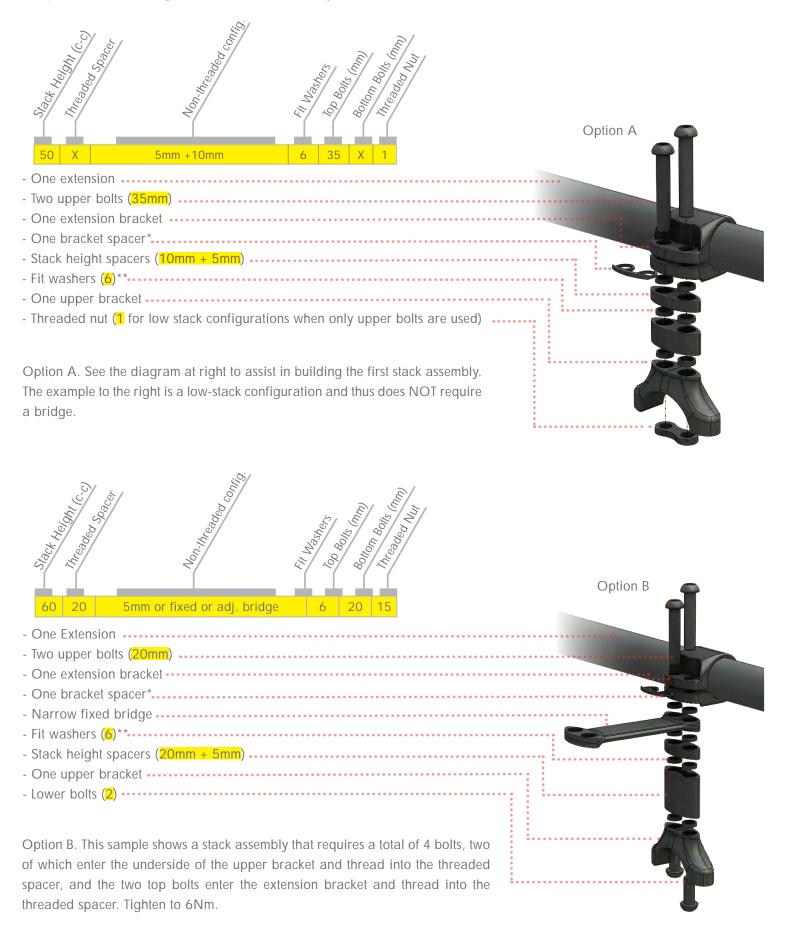
*In this configuration the 5mm spacer must be installed under the 40mm threaded spacer and longer bottom bolts must be used.

An assembly with stack height of 50mm will be used as an example in the following instructions.



Before beginning assembly, choose your preferred orientation of the base bar. The diagram to the left shows the base bar orientation upward (for rise) +20mm and downward (for drop) -20mm.

Step 1: Stack Height & Riser Assembly

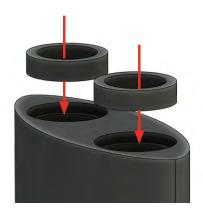


*BRACKET SPACER

Insert bracket spacer into the slots of the extension bracket, aligning the holes, leaving the long, curved edge flush with the edge of the extension bracket slot exactly as shown to the right.

**FIT WASHERS

Begin with pressing the fit washers into the recessed holes.



Sandwitch the fit washer between the bolt, spacer/bridge and a threaded spacer. Tighten the bolt until the fit washer is pressed in. Unthread the bolt and assemble.

Threaded nut ······
Threaded spacer ······



Step 2: Arm Rest Assembly

To complete the arm rest assembly, you will need the following:

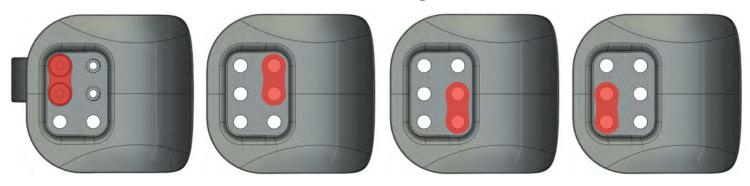
- One arm rest washer
- One arm rest ·····
- One arm rest bracket
- One 15mm bolt ·····

Begin by taking an arm rest bracket and thread a 15mm bolt into the underside and finger-tighten to keep in place. Place the arm rest washer and use two arm rest bolts to fasten in desired position. Finally, slip the arm rest assembly over the extension and tighten the 15mm bolt to 7Nm.

See diagram on following page for the four acceptable configurations.



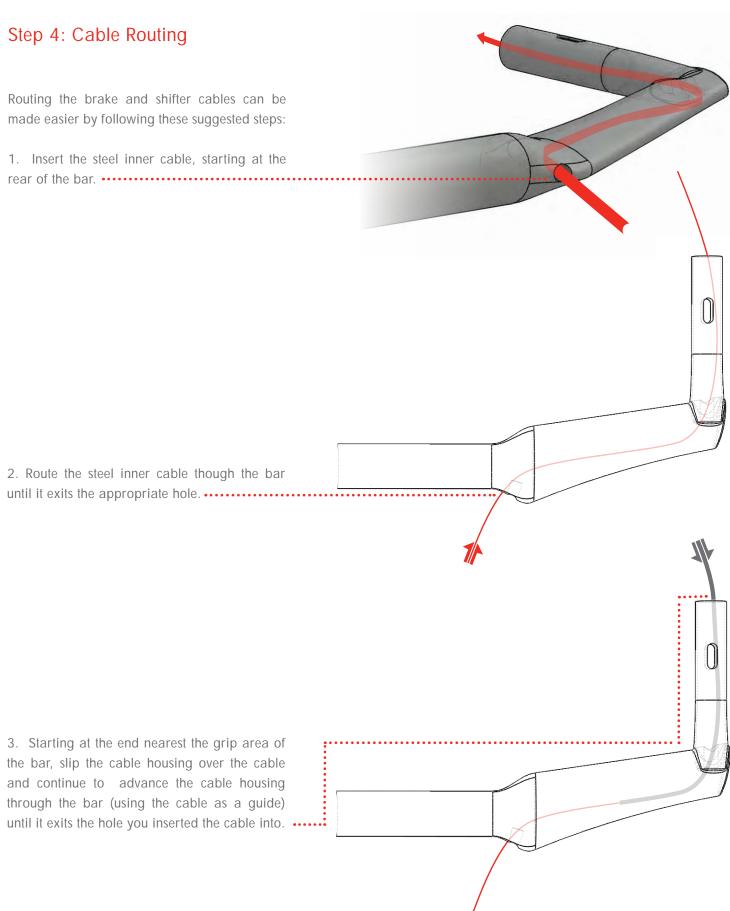
Possible armrest configurations



Notice the diameters of the six holes in the arm rest are larger than the diameter of the bolt shaft. This allows for further fine-tuning to achieve desired arm pad angle. See below for illustration.



Step 3: Final Assembly





Notes & Dimension Log

Your Dimensions:				
Name	Date	Stack height	mm Arm pad width	mm
Extension widthmm	Stem Length/rise _	mm/	degrees Frame	
Notes:				
Your dimensions:				
Name	Date	Stack height	mm Arm pad width	mm
Extension widthmm	Stem Length/rise _	mm/	degrees Frame	
Notes:				