



WINTR Fairing Kit from T-Cycle



Frame Clamp Size: _____

Fairing Color: ☐ Tinted ☐ Clear

Cycle Type: ☐ Trike ☐ Bike

TerraCycle, Inc. • 5726 SE Center • Portland, OR 97206
1-800-371-5871 or 503-231-9798(USA)
www.t-cycle.com info@t-cycle.com

Installation Instructions

The WINTR Fairing Kit has been meticulously designed with ease of use in mind. Set up requires some attention to detail, and while it is technically possible to install by yourself, having another person help with fitting definitely makes for easier going. It can also be invaluable to seek out a local bike shop for installation. The good news is that once everything is in place, this mount runs on the set-it-and-forget-it mentality.

We strongly recommend watching our instructional video of Mike and the T-Cycle Team installing a WINTR Fairing Kit, you can find this at:
t-cycle.com/products/wintr-fairing-kit

Tools Required

- 4mm Allen Key
- 5mm Allen Key
- 10mm Box End Wrench
- Level

Overview

First, we'll locate the proper placing for the mount. Then, we'll install the Frame Clamp, assemble the Necktie and Lower Mounting Tube of the WINTR Mount, attach that assembly to the Frame Clamp. Next, we'll center the Crossbar onto the top of the mount. Then, we'll install the fairing bubble and adjust the fit to clear our feet and knees. Finally, we'll set the backstop and friction for the folding mechanism.

1. **Locate the proper place for the mount.** Typically, when mounting your fairing, the farther forward on your boom you can go, the better. The WINTR Mount is crafted to clear the top of all known derailleur posts, so feel free to snuggle up near it. Hold up the Necktie beside your trike boom to decide where the best placement is. When you've chosen the place for your mount, temporarily install the Frame Mount Clamp in position with the clamp bolts facing the drive-side of the trike. Note: watch out for obstructions like cables, bosses, etc. when determining your placement.
2. **Assemble the two pieces of the WINTR Mount.** The Lower Mounting Tube of the WINTR mount will come shipped with two M6 button head bolts hanging out into space and threaded into nyloc nuts. Remove the nuts and place the bolts through the Necktie, through the Stinger Spacer Block, and through the Lower Mounting Tube. Note: be sure that the larger washer is used on the bolt that goes through the slot, and that the bolt on the Collar Clamp faces toward the left of the trike.
3. **Attach the Necktie to the Frame Clamp.** There is a recess in the Necktie just wide enough for the Frame Clamp to fit into—in that recess, two bolt holes are spaced to attach the Frame Clamp to the Necktie. Remove the M6 socket head bolts from the flat of the Frame Clamp and use them to attach the Necktie. Take this opportunity to ensure that the mount is plumb; you can do this by placing your trike on level ground and then holding a level against either of the machined surfaces of the Frame Clamp or against the face of the Necktie.
4. **Place the Crossbar into the T-Clamp on top of the mount.** Remove the M5 bolts in the T-Clamp and place the Crossbar as close to center as possible. Clamp the Crossbar in place, but note that we may have to loosen the T-Clamp and rotate the Crossbar in a minute.
5. **Find the rubber swell nuts.** Each rubber swell nut comes with a plastic bolt, plastic washer, and rubber washer. The order of these items matters, and it should be assembled like this: plastic bolt, plastic washer, rubber washer, fairing plastic, rubber nut. When the plastic bolt is tightened down, the rubber nut swells. This means that after you've properly ordered the swell nut pieces (bolt, washers, fairing, nut), then all you need to do is place the nut into its corresponding hole in the mounting hardware and tighten the bolt to lock it into place.
6. **Install the fairing.** Okay, the moment of truth. Unroll the fairing and install the mounting bolts through the fairing holes so that the rubber and plastic washers are under the head of the bolt and the rubber nut is on the inside of the fairing. With two bolts loosely tightened at the top of the fairing and two bolts loosely tightened at the bottom, plug the rubber nuts into the holes on the Crossbar and tighten

them into place. With those fixed, do the same at the bottom of the fairing by placing the rubber nuts into the lower mounting ears. Note: it's easy to overtighten the rubber nuts, so only tighten them until they feel securely snug.

7. **Take a deep breath.** If you've made it through the first five steps, then you've got yourself a trike with a fairing on it. Now, we just have to make sure this thing fits you. The next few steps are vital to having a lasting and healthy relationship with your fairing, and they can be tricky to do on your own. If you have a helper, I'd suggest pulling them in now.
8. **Clear the feet.** There are two different points of adjustment to help with foot clearance: 1. by loosening the M6 bolt in the lower Collar Clamp, you can telescope out the Stinger Tube; and 2. by loosening the M6 bolts/nuts that hold the Lower Mounting Tube to the Necktie, you can adjust the angle of the Stinger Tube. We recommend a minimum clearance of 4in between your fairing and the ground, 2in between your feet and the front of the fairing, and 0.5in between the tip of your toe and the top of the fairing. Note: it is also important to check the bottom angle of your fairing; when in riding position, the nose of your fairing should form a 45° angle with the floor.
9. **Clear the knees.** By loosening the M6 bolt in the upper Collar Clamp, you can telescope out the Riser Tube from the top of the mount. We suggest a clearance of at least half an inch between the top of your knee and the fairing.
10. **Adjust the Crossbar.** Loosen the T-Clamp and rotate the Crossbar until it is perpendicular to the fairing. Then tighten the T-Clamp in place. Keeping the Crossbar perpendicular to the fairing will ensure maximum grip by the rubber nuts.
11. **Set the backstop for the folding mechanism.** The WINTR Mount is designed to fold over a 90° span. This allows you to restrict the mount's fold back toward you (so it doesn't end up in your lap!) without hindering your ability to move the fairing out of the way when you stand. To set the stop, loosen the M6 bolt in the center of the Pivot Cap. When it is loose, move the fairing to the riding position (closest to you). Note: you should always be looking over the fairing, and not through it. When in position, rotate the Pivot Cap until it is contacting the set screw backstop, then tighten the M6 bolt.
12. **Double check everything!** Many of the adjustments we've just made affect one another, so be sure to double check that all of the correct clearances and perpendicularity are still there. It may also help to take your trike for a ride before declaring the adjustments set in stone.

13. **Adjust the friction.** When installed an M5 bolt faces the rider from the center of the Pivot Clamp. The tighter you screw in that bolt, the less freely the fairing will move back and forth. Choose a level of friction that makes sense for you.
14. **Ride with ease!** Get out there and enjoy your new WINTR Fairing!

Disassembly

We take the Travel-Ready portion of WINTR seriously. To remove your fairing, all it takes is loosening the rubber swell nuts, rolling the fairing, and unscrewing two bolts on the mount.

1. **Remove the fairing.** The fairing is held onto the mount with four rubber swell nuts. Loosen these nuts enough that you can pull the fairing from the mount, ***but do not remove them from the fairing.***
2. **Roll your fairing.** We sell cloth fairing covers that do exactly what they say on the tin (cover the fairing). The elastic edging and pull cords make storing your fairing a breeze, but you can also roll your fairing using a blanket or towel (though this can be more of a hassle). To best store your fairing, remove it from your trike and set it on your protective soft material (towel, cover, etc.), and roll it tightly from the bottom. Note: with the rubber swell nuts still installed in the plastic, make sure that they are covered so they don't scratch the fairing when rolled.
3. **Remove the hardware.** Remove the two M6 bolts that attach the Necktie to the Frame Clamp and pull off the hardware. It's that simple. Note: it's a good idea to screw the M6 bolts back into the Frame Clamp for safe keeping.





