

# **Twisted Engineering Bark Guard Assembly Instructions**

Thank you for purchasing your new Twisted Engineering Bark Guard kit. The Composi-*FLEX* handlebars are designed to **ONLY** use the Twisted Engineering Bark Guard system. **DO NOT** use any other systems with your new Composi-*FLEX* Handlebars.

## **Please read the following instructions completely before installation:**

1. Remove all controls, handlebars and non - 1 1/8" handlebar mounts from the triple clamp.

NOTE: If you are currently running 1 1/8" handlebars you only need to remove the top portion of the clamp and skip steps 2 - 3.

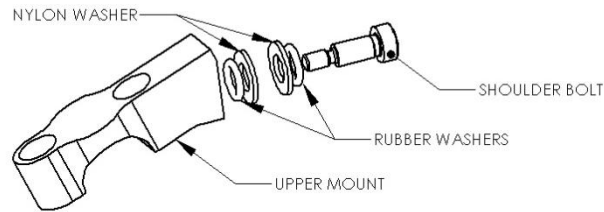
2. You will need to install the lower mount half of your 1-1/8" handlebar mounts (not included with kit) onto your triple clamp at this time.
3. Install the mounting bolts with lock-tite (blue). **Do not completely tighten at this point.** Snug the bolts enough that the mounts don't wobble but can still turn.
4. At this point if you are going to shorten your Composi-*FLEX* handle bars, and haven't already done so, go ahead and do so. Use a fine tooth hacksaw for cutting and remove all burs when done. Keep in mind to leave your handlebars 3/8" per side longer than usual.
5. Slide all controls back onto handlebar and place handlebar into the lower mount.
6. Install the new T.E. handlebar/Bark Guard upper mount onto the handlebars.
7. Start both 8mm bolts in each T.E. Bar mount. **Do not tighten.**
8. Adjust the riding position of the handlebar.
9. Tighten and torque the **front** 8mm bolt on each T.E. Bar Mount to 16 ft-lbs.. **Make sure to tighten these first.**
10. Tighten and torque the rear 8mm bolt on each T.E. Bar Mount to 16 ft-lbs.
11. If you replaced your lower mounts per step 2 – 3, then tighten and torque the lower mounting bolts (under top triple clamp) to your bike manufacturers specs. Consult owner's manual.
12. Finalize the installation of all controls and handlebar grips leaving a minimum of 3/8" of exposed handlebar at the ends. **Do not include end plugs in this measurement.**
13. Slide the split clamp section of the Bark Guards onto the handlebar. Rotate to approximate position and tighten the 5mm lock screw.

**Note: You may need to bend or twist the Bark Guards in the next step.**

14. At this point check that the front mounting surface of the upper handlebar/Bark Guard clamp

and the slotted end of the T.E. Bark Guards are as parallel to each other as possible. The relaxed gap between them should be no larger than 1/2". Also, you should try to position the mounting screw hole of the upper clamp as closely to the center of the slot as possible.

15. Install the T.E. Bark Guards lower floating mount assembly as per the below image. T.E. Bark Guards mount between nylon washers.



16. Test the assembly by tightening the 8mm screw. If excessive force is required to accomplish this, or if any of the mounting surfaces contact or bind, remove floating mount and refer to step 14. This should also be inspected after riding to insure proper operation.
17. If everything appears to move freely then remove screw, apply Lock-tite (blue) to female thread in upper bar/bark guard mount, tighten and torque the 8mm screws to 12 ft-lbs.

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