



Thank you for choosing Teravail. Teravail designs bicycle parts and accessories that deliver top-tier performance at every turn, so you can ride with confidence. Please take the time to register your product before hitting the trails.

For optimal performance and durability, we recommend pairing Teravail handlebars with a Teravail stem.

**▲ WARNING:** Cycling can be dangerous. Bicycle products should be installed and serviced by a professional mechanic. Never modify your bicycle or accessories. Read and follow all product instructions and warnings including information on the manufacturer’s website. Inspect your bicycle before every use. Always wear a helmet.

**Compatibility & Intended Use: ASTM 3**

CONDITION	DESCRIPTION
	<p>This is a set of conditions for operation of a bicycle that includes Condition 1 and Condition 2 as well as rough trails, rough unpaved roads, and rough terrain and unimproved trails that require technical skills. Jumps and drops are intended to be less than 61cm (24”).</p>

Additional Product and Safety Information can be found at the website: [www.teravail.com/for/safety](http://www.teravail.com/for/safety)

**▲ WARNING:** Not intended for use with bar ends

**Tools and Supplies Required:**

- Metric hex-bit sockets
- Star screwdrivers or wrenches (for removing some shifter/brake lever clamps)
- Torque wrench with Newton meter (Nm) scale
- Grease

**Handlebar Installation Instructions**

**▲ WARNING:** Make sure your stem clamp is compatible with the handlebar before proceeding.

1. Remove the handlebar clamp bolts from the stem faceplate using the correct size hex-bit and ratchet or hex wrench.
2. Remove the old handlebar, brakes and shifter mechanisms and other handlebar-mounted accessories that you intend to re-use (if applicable).
3. Center the new handlebar in the stem recess and place the handlebar clamp faceplate on top.
4. Lubricate the handlebar clamp bolt threads with grease, insert through the faceplate and carefully engage the stem threads. Continue threading until the bolts are finger tight and the faceplate is evenly spaced above and below the stem.

5. Set the torque wrench to the manufacturer’s specifications. If no torque ratings are provided, set the torque wrench to 4–5 Nm. Attach the correct hex-bit socket and tighten the faceplate bolts in half-turn increments using the following four-bolt tightening pattern (Fig. 1).

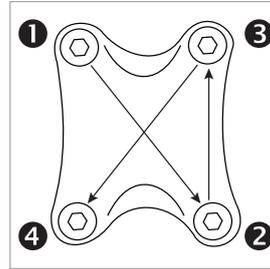


Figure 1

For two-bolt faceplates, alternate between the two bolts, making sure the gap between the faceplate and stem is equal at the top and bottom. For a one-piece stem, simply tighten to the manufacturer’s torque specification.

6. Test handlebar security by attempting to rotate the bar fore and aft. If the bar rotates, ensure the faceplate bolts are tightened equally to the manufacturer’s torque specifications. If the bar still rotates at maximum torque then the bar may be fatigued. Take your bike to a bike shop for inspection by a professional mechanic.
7. Reinstall the shift and brake mechanisms, tape, grips, and accessories on the new handlebar according to manufacturer’s instructions. Tighten the clamp bolts finger tight to allow for final positioning.

**▲ WARNING:** Over-tightening the stem, brake/shifter clamps, or accessories can damage your handlebar. Tighten the stem bolts to the recommended torque spec for the stem, or 5 Nm, whichever is less. Tighten shifter and brake levers to recommended torque spec, or 6 Nm, whichever is less.

**▲ WARNING:** Improper installation or repeated rotation of mounted components may lead to product failure, causing serious injury. Do not exceed specified torque values. Periodically inspect bolts and retighten if required.

**Drop Bar Shifter & Brake Lever Positioning**

1. With the shift and brake levers loose, position the top of the hoods even with the top of the handlebar. Rotate the levers to match the angle of the drops.
2. Using a torque wrench, tighten the brake lever clamp bolts according to manufacturer’s specifications or to a maximum of 6Nm, whichever is less. Repeat the procedure with the shifters.



## Ongoing Maintenance

### How to Inspect a Carbon Component

Visually inspect your entire bike before every ride. Pay particular attention to carbon components like the fork, handlebar, or seatpost. Check for cracks, breaks, chips, splinters, or signs of delamination. If you detect any, do not ride your bicycle. If you are unsure about the condition of any component on your bicycle, consult your dealer. Do not ride a bicycle with a damaged component.

**▲ WARNING:** A crack, chip, break, splinter, or delamination on a carbon component is serious. Do not ride your bicycle if you detect any of those conditions. A compromised carbon component can fail suddenly, leading to a crash and serious injury.

### How to Detect Carbon Delamination

Perform a visual inspection on glossy carbon components. The finish should appear glassy or shiny and have a “deep” appearance. Delaminated areas will appear cloudy or opaque.

**Perform a physical inspection:** Wipe along the carbon component with a rag, feeling for bulges, soft or deformed spots, or areas that are no longer smooth.

**Listen for unusual creaking noises:** Damaged or deteriorating carbon components can make creaking noises as they move or are stressed. To locate the source of the noise, gently tap along the carbon component with a plastic screwdriver handle. Tapping should cause solid, sharp and consistent sounds. Mark any location that produces a dull or muffled sound and have the component inspected by a professional bicycle mechanic.

## Cleaning

Clean with soap and water. Dry with a rag.

## Teravail Warranty

This product is warranted against defects in materials and workmanship for 5 year(s) from the date of retail purchase of the product, subject to the limitations detailed below. Save your dated receipt for proof of purchase.

This warranty does NOT cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence or experience of the user or assembler
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents or anything other than normal use
- Installation of components, parts or accessories not originally intended for or compatible with product as sold
- Damage or deterioration to the paint, surface finish, aesthetics or appearance of the product
- Normal wear and tear
- Labor required to remove and/or refit and re-adjust the product within the bicycle assembly

This limited warranty is expressly limited to the repair or replacement of the original product, at the option of Teravail, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the Teravail product and is not transferable. This warranty applies only to products purchased through an authorized dealer or distributor. In no event shall Teravail be liable for any loss, inconvenience or damage, whether direct, incidental, consequential, or otherwise resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to Teravail products except as set forth herein.

This warranty gives the consumer specific legal rights, and those rights and other rights may vary from place to place. This warranty does not affect your statutory rights.

TO THE EXTENT NOT PROHIBITED BY LAW, THESE WARRANTIES ARE EXCLUSIVE AND THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Warranty Registration: Proof of purchase is required before a warranty claim is processed. Teravail therefore strongly encourages warranty registration at [teravail.com](http://teravail.com). Failure to register will not affect consumer rights under the limited warranty stated above, so long as the consumer can show in a reasonable manner proof of original ownership and the date the Teravail product was purchased. If you have any questions contact [warranty@teravail.com](mailto:warranty@teravail.com)

Submitting a Claim can be made anywhere Teravail products are sold. When in doubt, contact your local shop. Please provide details about what happened including but not limited to other components used in conjunction with the alleged defective Teravail part.

NOTE: The term of the Warranty is not a guarantee of the product's useful life. Product life is influenced by how the product is used, stored, and maintained over time. The Warranty is not meant to suggest the product cannot be broken or that the product will last forever. The Warranty only means the product is covered subject to the terms of the Warranty.

Produkthinweise finden Sie auf der Website: [www.teravail.com/for/safety](http://www.teravail.com/for/safety)

Las instrucciones del producto pueden encontrarse en el sitio web: [www.teravail.com/for/safety](http://www.teravail.com/for/safety)

Le mode d'emploi est disponible sur le site Web : [www.teravail.com/for/safety](http://www.teravail.com/for/safety)

Le istruzioni sul prodotto si trovano sul sito: [www.teravail.com/for/safety](http://www.teravail.com/for/safety)

製品取扱説明書はウェブサイトにあります: [www.teravail.com/for/safety](http://www.teravail.com/for/safety)