Weltool TC59

Weltool TC59 Flashlight Tailcap Switch Instruction Manual

Model: TC59 | Brand: Weltool

1. INTRODUCTION AND OVERVIEW

The Weltool TC59 is a high-quality, durable tailcap click switch designed as a replacement or upgrade for various flashlights. It features a 1-inch diameter and is compatible with Surefire 6P, 9P, 6PX, 6PX Pro, C2, C3, Z2, L5, M2, M3, M3T, and other flashlights. Constructed from aviation CNC machined aluminum with a hard-anodized black finish, the TC59 is built to withstand rigorous use and can handle up to 4A current. It is also compatible with Weltool's BB3 flashlight body.

2. SETUP AND INSTALLATION

To install the TC59 tailcap switch, ensure your flashlight is powered off and any batteries are removed for safety. Unscrew the existing tailcap from your flashlight body. Align the Weltool TC59 tailcap with the threads on the flashlight body and carefully screw it on until it is finger-tight. Do not overtighten. Once installed, reinsert batteries if removed, and test the switch functionality.

Image: The TC59 tailcap seamlessly integrated with a Surefire 6P flashlight body, demonstrating its compatibility and fit.

Image: The TC59 tailcap attached to a Surefire E141836 flashlight, highlighting its adaptability to different Surefire models.

Image: The TC59 tailcap shown on a Weltool BB3 flashlight body, illustrating its intended use with Weltool's own product line.

3. OPERATING INSTRUCTIONS

The Weltool TC59 functions as a standard click-type tailcap switch. To operate your flashlight, simply press the button on the tailcap. A full press will engage the constant-on mode. Pressing the button again will turn the flashlight off. For momentary activation, lightly press and hold the button; release to turn off.

4. MAINTENANCE

The Weltool TC59 tailcap switch requires minimal maintenance. To ensure optimal performance and longevity:

- **Cleaning:** Periodically wipe the exterior of the tailcap with a soft, dry cloth to remove dust and debris. Avoid using abrasive cleaners or solvents.
- **Threads:** Keep the threads clean and lightly lubricated with silicone grease to ensure smooth operation and maintain water resistance.
- **O-rings:** Inspect the O-rings for any signs of wear, cracks, or damage. Replace them if necessary to maintain the water-resistant seal.
- **Storage:** When not in use for extended periods, store the tailcap in a cool, dry place.

5. TROUBLESHOOTING

If you encounter issues with your Weltool TC59 tailcap switch, consider the following:

- **Flashlight Not Turning On:**
  - Ensure the tailcap is fully and securely screwed onto the flashlight body.
  - Check that the batteries are correctly inserted and fully charged.
  - Clean the contact points on both the tailcap and the flashlight body with a clean, dry cloth to ensure good electrical

connection.

- **Intermittent Operation:**

  - Tighten the tailcap.
  - Inspect the internal spring and contact points for any damage or debris.
  - Ensure the O-rings are properly seated and not interfering with the connection.

- **Stiff Button:**

  - A small amount of silicone grease can be applied to the button mechanism if it feels stiff, but avoid over-lubrication.

If problems persist after attempting these steps, please contact Weltool customer support.

6. SPECIFICATIONS

Feature	Detail
Model Number	TC59
Color	Black
Material	Aviation CNC machined aluminum, Silicone Rubber
Compatibility	Surefire 6P, 9P, 6PX, 6PX Pro, C2, C3, Z2, L5, M2, M3, M3T, Weltool BB3
Current Withstand	Up to 4A
Item Weight	1.13 ounces
Package Dimensions	2.44 x 2.36 x 1.26 inches
Water Resistance Level	Water Resistant

7. WARRANTY AND SUPPORT

Specific warranty information for the Weltool TC59 is not provided in this manual. For detailed warranty terms, product support, or to purchase additional Weltool products, please visit the official Weltool store or contact their customer service directly.
Official Weltool Store: [Weltool Store on Amazon](#)