

TEKTRO MT-2.1

TEKTRO ALLOY LEVER/MT-2.1 ALL BLACK BR-TK-M007 User Manual

Model: MT-2.1 | Brand: TEKTRO

1. INTRODUCTION

Thank you for choosing the TEKTRO MT-2.1 Alloy Brake Levers. This manual provides essential information for the proper installation, safe operation, and effective maintenance of your new bicycle brake levers. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

2. SAFETY INFORMATION

Always prioritize safety when working with bicycle components. Improper installation or maintenance of brake components can lead to serious injury or death. If you are unsure about any step, consult a professional bicycle mechanic.

- Ensure all bolts and fasteners are tightened to the manufacturer's specified torque settings.
- Regularly inspect brake cables, housing, and levers for wear, damage, or corrosion.
- Test brake function before every ride. Ensure both front and rear brakes engage smoothly and effectively.
- Keep hands and clothing clear of moving parts during adjustment and operation.
- Do not modify the brake levers or any associated components.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- TEKTRO MT-2.1 Alloy Brake Levers (1 Pair)

4. SETUP AND INSTALLATION

The following steps outline the general procedure for installing the TEKTRO MT-2.1 brake levers. Specific bicycle configurations may require slight variations.



This image displays the TEKRO MT-2.1 Alloy Brake Lever, highlighting its two-finger design, black main body, and silver lever. The clamp mechanism for handlebar attachment is visible at the top, along with the cable adjustment barrel.

1. **Prepare Handlebar:** Ensure the handlebar area where the levers will be mounted is clean and free of grease. Remove any existing grips or accessories if necessary.
2. **Mount Levers:** Loosen the clamp bolt on each brake lever. Slide the levers onto the handlebar, positioning them comfortably for your hands. The levers are designed for a 22.2mm handlebar diameter.
3. **Connect Brake Cables:** Insert the brake cable barrel end into the lever body. Route the brake cable through the lever's cable guide and adjustment barrel.
4. **Route Cable Housing:** Guide the brake cable housing from the lever to the brake caliper/mechanism, ensuring smooth bends and no kinks.
5. **Secure Cable:** Attach the brake cable to the brake caliper/mechanism according to its specific instructions. Pull the cable taut and secure it with the retaining bolt.
6. **Adjust Cable Tension:** Use the barrel adjuster on the brake lever to fine-tune cable tension. Turn clockwise to loosen (more slack) and counter-clockwise to tighten (less slack). Adjust until the brake pads are close to the rim/rotor without rubbing.
7. **Position and Tighten Levers:** Once the cable tension is set, adjust the angle and position of the brake levers on the handlebar for optimal ergonomics. Tighten the lever clamp bolts securely. Do not overtighten.

8. **Final Check:** Squeeze the brake levers firmly several times to seat the cables and housing. Re-check cable tension and lever position. Ensure the brakes engage and release smoothly.

5. OPERATING INSTRUCTIONS

The TEKRO MT-2.1 levers are designed for a comfortable 2-finger operation, providing efficient braking power for V-brakes and cantilever brakes.

- To apply the brakes, gently squeeze the levers towards the handlebar.
- For controlled stopping, apply both front and rear brakes simultaneously.
- Practice braking in a safe, open area to become familiar with the feel and stopping power of your brakes.
- Avoid sudden, hard braking, especially with the front brake, as this can lead to loss of control.

6. MAINTENANCE

Regular maintenance will prolong the life and ensure the safe operation of your TEKRO MT-2.1 brake levers.

- **Cleaning:** Wipe down the levers and surrounding areas with a clean, damp cloth. Avoid using harsh chemicals that could damage the finish or components.
- **Cable Inspection:** Periodically check brake cables for fraying, rust, or kinks. Replace damaged cables immediately.
- **Lubrication:** Apply a small amount of bicycle-specific lubricant to the pivot points of the levers and where the cable enters the housing to ensure smooth operation.
- **Lever Tightness:** Ensure the lever clamp bolts remain tight. If they become loose, re-tighten them to prevent the levers from rotating on the handlebar.
- **Brake Pad Wear:** Regularly inspect your brake pads for wear. Worn pads reduce braking performance and can damage rims/rotors. Replace them as needed.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Brakes feel spongy or weak.	Loose cable tension, worn brake pads, stretched cable, contaminated pads/rims.	Tighten cable tension using the barrel adjuster. Inspect and replace worn brake pads. Check for cable stretch and replace if necessary. Clean brake pads and rim/rotor surfaces.
Brakes not engaging fully.	Insufficient cable tension, misaligned brake caliper/pads.	Increase cable tension. Adjust brake caliper and pad alignment.
Levers are loose on the handlebar.	Clamp bolt is loose.	Tighten the lever clamp bolt securely.
Brakes rub constantly.	Too much cable tension, misaligned brake caliper/pads.	Decrease cable tension. Adjust brake caliper and pad alignment.

8. SPECIFICATIONS

- **Material:** Aluminum
- **Lever Type:** 2-finger
- **Color:** ALL BLACK
- **Weight:** Approximately 174g (per pair)
- **Compatibility:** V-brake, Cantilever (switchable)
- **Clamp Diameter:** $\phi 22.2\text{mm}$
- **Product Dimensions:** 19.94 x 9.78 x 9.78 cm

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer or TEKTRÖ directly through their official website. Keep your proof of purchase for any warranty claims.