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WEST BIKING YP0710002-A-G

WEST BIKING Brake Bleed Kit Instruction Manual

Model: YP0710002-A-G | Brand: WEST BIKING

Introduction

This manual provides detailed instructions for the WEST BIKING Brake Bleed Kit, designed for maintaining hydraulic disc brakes on bicycles. It is compatible with Shimano, Tektro, and Magura brake systems. Please read this manual thoroughly before use to ensure proper operation and safety.

Product Components

The WEST BIKING Brake Bleed Kit includes the following components:

- **2 x 60ml Portable Mineral Oil:** Specifically formulated for hydraulic bicycle brakes (Note: NOT FOR DOT fluid).
- **2 Precision Syringes:** For controlled fluid transfer during bleeding.
- **1 Spill-Proof Funnel:** Designed for easy and clean fluid addition to the brake lever reservoir.
- **12 Professional Adapters:** A variety of connectors to fit mainstream mineral oil hydraulic brake systems, including Shimano, Tektro, and Magura.
- **3 Types of Piston Blocks:** To hold brake pads in place during bleeding.
- **Hoses and Connectors:** For connecting syringes and funnel to the brake system.
- **Oil Resistant Gloves:** For hand protection during the bleeding process.
- **Instruction Manual:** This guide.



Figure 1: All components included in the WEST BIKING Brake Bleed Kit.



Figure 2: A selection of the 12 professional adapters included, ensuring compatibility with various brake models.



Figure 3: The included 120ml premium mineral oil. This kit is only suitable for mineral oil systems, not DOT fluid.

Setup and Preparation

1. **Prepare Workspace:** Ensure a clean, well-lit area. Lay down protective sheets to catch any spilled brake fluid.
2. **Wear Gloves:** Always wear the provided oil-resistant gloves to protect your hands from brake fluid.
3. **Remove Bicycle Wheel:** Carefully remove the bicycle wheel corresponding to the brake system you intend to bleed.
4. **Adjust Handlebar Position:** Adjust the brake lever on the handlebar to a horizontal position to ensure the bleed port is at the highest point.
5. **Remove Brake Pads:** Pull out the pin securing the brake pads and carefully remove them from the caliper.
6. **Insert Piston Block:** Insert the appropriate piston block into the caliper to prevent the pistons from closing during the bleeding process.
7. **Unscrew Oil Filler Screw:** Locate the oil filler screw on the brake lever and unscrew it.
8. **Loosen Oil Drain Screw:** Locate the oil drain screw on the brake caliper and loosen it slightly to allow old fluid to drain.
9. **Assemble Syringe:** Attach the clear hose to the syringe and then attach the appropriate adapter to the end of the hose.

10. **Fill Syringe:** Draw mineral oil into one of the syringes. Ensure there are no air bubbles in the syringe.
11. **Install Funnel:** Install the conversion connector into the brake oil injection port on the brake lever, then insert the funnel.

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Video 1: A detailed installation and setup guide for the WEST BIKING Brake Bleed Kit. This video demonstrates the initial steps of preparing your bicycle and the bleed kit for operation.

Operating Instructions: Brake Bleeding Procedure

There are two primary methods for bleeding hydraulic brakes. The recommended method is bottom-up filling, as it is more effective at eliminating air bubbles.

Method 1: Bottom-Up Filling (Recommended)

1. Ensure the funnel is securely installed at the brake lever and contains a small amount of mineral oil.
2. Connect the syringe filled with mineral oil to the brake caliper's drain screw.
3. Slowly push the plunger of the syringe, injecting fresh mineral oil into the caliper. Observe the funnel at the brake lever; old fluid and air bubbles will rise into it.
4. Tap the brake line and caliper gently to dislodge any trapped air bubbles.
5. Continue pushing fluid until no more air bubbles appear in the funnel and the fluid coming into the funnel is clean.
6. Once bleeding is complete, remove the syringe from the caliper, tighten the drain screw, and then remove the funnel from the brake lever, replacing the oil filler screw.
7. Clean any spilled fluid immediately.



Figure 4: Illustration of the recommended bottom-up brake bleeding method.

Method 2: Top-Down Filling (Alternative)

1. Ensure the funnel is securely installed at the brake lever and contains a small amount of mineral oil.
2. Attach an empty syringe or a waste container to the brake caliper's drain screw.
3. Slowly open the drain screw and allow fluid to drain into the waste container while continuously adding fresh mineral oil to the funnel at the brake lever.
4. Ensure the funnel never runs dry to prevent air from entering the system.
5. Close the drain screw once clean fluid without bubbles is observed.
6. Remove the funnel and replace the oil filler screw.
7. Clean any spilled fluid immediately.

Maintenance

- **Clean Components:** After each use, thoroughly clean all components of the bleed kit with a clean cloth to remove any residual brake fluid. This is crucial as some plastic materials can corrode if left exposed to fluid.
- **Store Properly:** Store the kit in its original case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Check Seals:** Periodically inspect all O-rings and seals for wear or damage. Replace if necessary to prevent leaks during future use. The kit includes extra gaskets for this purpose.
- **Mineral Oil Storage:** Ensure the mineral oil bottles are tightly sealed after use to prevent leakage and maintain fluid quality.

Troubleshooting

Problem	Possible Cause	Solution
Air bubbles persist in the system.	Trapped air, insufficient tapping, or improper lever positioning.	Ensure brake lever is horizontal. Gently tap brake lines and caliper during bleeding. Repeat the bleeding process, ensuring slow and steady fluid injection.
Fluid leakage from connections.	Loose connections, worn O-rings, or improper adapter fit.	Ensure all connections are tight. Check O-rings for damage and replace if needed. Some users have found success using thread tape or zip ties around connections for a tighter seal.
Brake lever feels spongy after bleeding.	Air still present in the system or insufficient fluid.	Repeat the bleeding procedure carefully, focusing on removing all air. Ensure the funnel does not run dry during top-down bleeding.
Difficulty fitting tubing to adapters.	Tight fit.	Slightly warm the end of the tubing with a hairdryer (do not overheat) to make it more pliable before pushing onto the adapter.

Specifications

Model Name: YP0710003

Part Number: YP0710002-A-G

Material: Plastic

Item Package Dimensions (L x W x H): 6.46 x 4.8 x 2.4 inches

Package Weight: 0.34 Kilograms

Item Dimensions (L x W x H): 6.3 x 4.53 x 1.97 inches

Included Components: Brake oil, syringes, funnel, adapters, piston blocks, gloves.

Compatibility: Shimano, Tektro, Magura hydraulic disc brake systems (Mineral Oil ONLY).

Warranty and Support

The WEST BIKING Brake Bleed Kit comes with a **90-day warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use.
For technical assistance, troubleshooting, or warranty claims, please contact the WEST BIKING customer service team. Refer to your purchase documentation for specific contact information or visit the official WEST BIKING store online.
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