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SHIMANO Y8H202000

Shimano BH96/63/59 Brake Hose Connecting Insert User Manual

Model: Y8H202000

Product Overview

The Shimano BH96/63/59 Brake Hose Connecting Insert is a small, precision-engineered brass component designed to provide structural support and a secure connection when joining a brake hose to a caliper or lever in a bicycle hydraulic brake system. This insert is crucial for maintaining the integrity and performance of your bicycle's braking system.



Image: The Shimano BH96/63/59 Brake Hose Connecting Insert, a small brass component.

Compatibility

This connecting insert is specifically designed for use with Shimano BH96, BH63, and BH59 series brake hoses. Ensure your brake hose model matches one of these specifications for proper fit and function.

- Fits BH96 brake hoses
- Fits BH63 brake hoses
- Fits BH59 brake hoses

Setup and Installation

Proper installation of the brake hose connecting insert is critical for the safety and performance of your hydraulic disc brakes. It is recommended that installation be performed by a qualified bicycle mechanic. If performing the installation yourself, ensure you have the correct tools and follow the specific instructions provided with your Shimano brake system components.

1. **Preparation:** Ensure the brake hose end is cut cleanly and squarely. Remove any burrs.

2. **Insert Installation:** Carefully insert the brass connecting insert into the end of the brake hose. This may require a specialized tool, such as a hose barb insertion tool, to ensure it is fully seated without damaging the hose or the insert.
3. **Olive Installation:** Slide the olive (compression fitting) over the hose, ensuring it is oriented correctly.
4. **Connection:** Connect the prepared hose end to the brake lever or caliper. Tighten the connecting bolt to the manufacturer's specified torque using a torque wrench. Overtightening can damage components, while undertightening can lead to leaks.
5. **Bleeding:** After installation, the hydraulic brake system must be properly bled to remove any air bubbles and ensure optimal braking performance. Refer to your specific Shimano brake bleeding instructions.

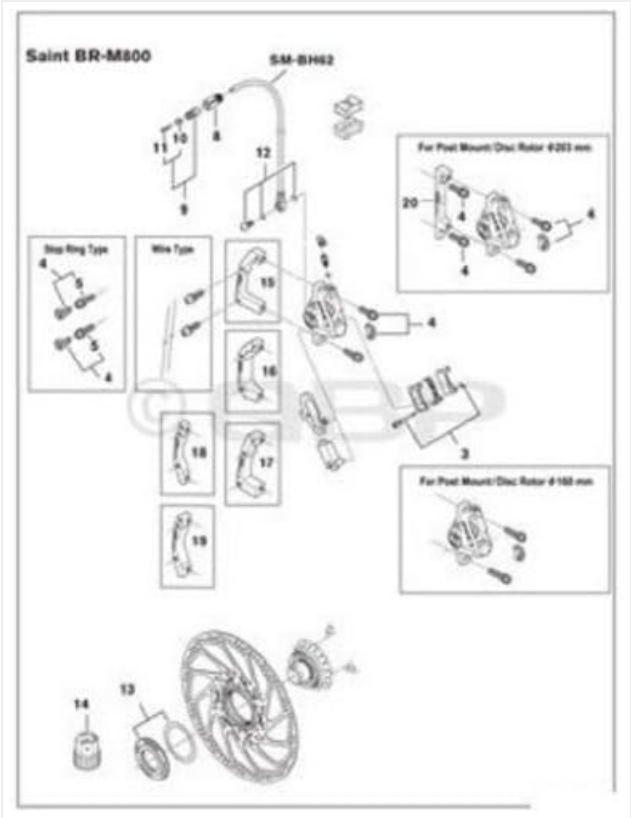


Image: A technical diagram illustrating components of a Shimano hydraulic brake system, including hose connections.

Operating Considerations

Once installed, the connecting insert functions as an integral part of the hydraulic brake line. Its proper operation is passive, ensuring a sealed and structurally sound connection. The overall performance of your braking system depends on correct installation of all components, proper bleeding, and regular maintenance.

Maintenance

The connecting insert itself requires no specific maintenance beyond ensuring it remains securely seated and free from damage. Regular maintenance of your bicycle's hydraulic brake system should include:

- **Leak Inspection:** Periodically check the connection points at the lever and caliper for any signs of fluid leakage. A leaking connection indicates a problem that needs immediate attention.
- **Hose Condition:** Inspect the brake hose for kinks, abrasions, or other damage that could compromise its integrity.
- **Brake Fluid Replacement:** Follow Shimano's recommendations for brake fluid replacement intervals.
- **Component Integrity:** Ensure all brake system components, including the connecting bolt, are tightened to the

correct torque specifications.

Troubleshooting

Issues related to the connecting insert typically manifest as brake fluid leaks or compromised braking performance. If you experience any of the following, inspect the insert and its connection:

- **Brake Fluid Leakage:** If fluid is visible around the hose connection at the lever or caliper, the insert may not be seated correctly, the olive may be damaged, or the connecting bolt may be loose.
- **Spongy Brake Lever:** While often indicative of air in the system (requiring bleeding), a poorly seated or damaged insert can also contribute to a spongy feel if it allows air ingress or fluid egress.
- **Loss of Braking Power:** A severe leak due to an improperly installed or damaged insert will lead to a significant loss of braking power.

In case of any issues, cease riding the bicycle immediately and consult a qualified bicycle mechanic. Do not attempt to ride with compromised brakes.

Specifications

Attribute	Detail
Brand	SHIMANO
Model Number	Y8H202000
Compatible Hose Series	BH96, BH63, BH59
Material	Brass
Color	Brass
Item Weight	0.01 Pounds
Item Dimensions (LxWxH)	1 x 1 x 0.75 inches
UPC	689228217171
Manufacturer	Shimano
Date First Available	September 27, 2008

Warranty and Support

For specific warranty information regarding Shimano components, please refer to the official Shimano website or contact your authorized Shimano dealer. Warranty terms typically cover manufacturing defects. Damage due to improper installation, misuse, or normal wear and tear is generally not covered.
For technical support, installation guides, or service inquiries, please visit the official SHIMANO website or contact their customer service department. Always use genuine Shimano replacement parts for optimal performance and safety.
Official SHIMANO Website: bike.shimano.com
SHIMANO Store on Amazon: Visit the SHIMANO Store

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