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SHIMANO FBA_689228409224

Shimano B01S Resin Disc Brake Pad & Spring User Manual

Model: FBA_689228409224 | Brand: SHIMANO

1. PRODUCT OVERVIEW

The Shimano B01S Resin Disc Brake Pad and Spring set is designed to provide reliable and consistent braking performance for compatible bicycle disc brake systems. This set includes two resin brake pads, a metal spring clip, and cotter pins necessary for installation.



This image displays the complete set of Shimano B01S Resin Disc Brake Pad and Spring components. From top to bottom, it shows one brake pad with the 'B01S RESIN' marking, followed by the metal spring clip, then the second brake pad (showing the resin friction material), and finally, the two cotter pins.

2. COMPATIBILITY

These brake pads are compatible with a wide range of Shimano disc brake calipers. Please verify your brake model against the list below:

- BR-C501
- BR-M575
- BR-M525

- BR-M495
- BR-M486
- BR-M485
- BR-M475
- BR-M465
- BR-M447
- BR-M446
- BR-M445
- BR-M416
- B-M416A
- BR-M415
- BR-M395
- BR-M375
- BR-T675
- BR-T615

3. SETUP AND INSTALLATION

Proper installation of disc brake pads is crucial for safety and performance. If you are unsure about any step, it is recommended to seek assistance from a qualified bicycle mechanic.

1. **Preparation:** Ensure your bicycle is stable, preferably on a repair stand. Remove the wheel to access the brake caliper.
2. **Remove Old Pads:** Carefully remove the cotter pin or retaining bolt that holds the old brake pads in place. Compress the brake pistons slightly to create space, then remove the old pads and spring.
3. **Clean Components:** Clean the brake caliper and rotor thoroughly. It is highly recommended to clean the brake disc with isopropyl alcohol to remove any contaminants that could affect braking performance or cause noise.
4. **Inspect Rotor Thickness:** Before installing new pads, measure the thickness of your rotor. The minimum thickness is typically stamped on the rotor itself. Do not use the rotor if its thickness is below the specified minimum.
5. **Prepare New Pads (Optional but Recommended):** Some users find it beneficial to lightly sand the surface of the new brake pads to remove any glaze or manufacturing residue. This can improve initial bite and reduce noise.
6. **Install New Pads:** Insert the new spring clip between the two new brake pads, ensuring correct orientation. Carefully slide the assembled pads and spring into the caliper, making sure they seat correctly against the pistons.
7. **Secure Pads:** Reinsert the cotter pin or retaining bolt to secure the pads. Bend the cotter pin ends or tighten the bolt as required.
8. **Reinstall Wheel:** Reinstall the wheel and ensure it spins freely without rubbing.
9. **Bedding-In Process:** After installation, perform a bedding-in procedure to optimize pad performance and longevity. This typically involves about ten firm braking applications from approximately 20 km/h (12 mph) down to 5 km/h (3 mph), allowing the pads to cool completely between each application. This process helps transfer pad material to the rotor and ensures consistent braking.

4. OPERATING INSTRUCTIONS

Shimano B01S Resin Disc Brake Pads are designed for reliable performance in various conditions:

- **Stopping Power:** These pads offer above-average stopping power, providing effective deceleration.
- **Compound Flexibility:** The flexible resin compound contributes to controllable performance, allowing for modulated braking.
- **Performance Characteristics:** They are designed to stop well, operate quietly, and provide a smooth engagement.
- **Conditions:** The pads are suitable for use in both wet and dry conditions, maintaining consistent performance.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your brake pads and system:

- **Regular Cleaning:** Periodically clean your brake discs with isopropyl alcohol to remove dirt, oil, or other contaminants that can reduce braking efficiency and cause noise.
- **Pad Inspection:** Inspect brake pads regularly for wear. Replace pads when the friction material is worn down to approximately 0.5mm or less, or if they show signs of uneven wear or damage.
- **Rotor Thickness:** Always measure the thickness of your rotor when changing pads. Ensure it remains above the manufacturer's minimum specified thickness.
- **Contamination Avoidance:** Avoid getting oil, grease, or other lubricants on the brake pads or rotors, as this will severely degrade braking performance.

6. TROUBLESHOOTING

Common issues and their potential solutions:

- **Squealing Brakes:**
 - *Cause:* Often caused by dirty or contaminated pads/rotors, worn pads, or improper bedding-in.
 - *Solution:* Clean rotors with isopropyl alcohol. Lightly sand pad surfaces. Re-bed the pads. If noise persists, replace pads. Ensure caliper alignment is correct.
- **Weak Braking Power:**
 - *Cause:* Worn pads, contaminated pads/rotors, air in the hydraulic system (if applicable), or an un-bedded system.
 - *Solution:* Inspect pad wear and replace if necessary. Clean pads and rotors. Perform the bedding-in procedure. If using hydraulic brakes, consider bleeding the system (consult a mechanic if unsure).
- **Brake Rubbing:**
 - *Cause:* Misaligned caliper, bent rotor, or sticky pistons.
 - *Solution:* Realign the brake caliper. Check the rotor for trueness. Clean and lubricate pistons if they are sticking (consult a mechanic).

7. SPECIFICATIONS

Attribute	Detail
Brand	SHIMANO
Model Name	FBA_689228409224
Material	Resin
Color	Black
Product Dimensions (LxWxH)	6.5" x 3.35" x 0.24"
Number of Pieces	2 (Pads)
Manufacturer	Shimano
UPC	689228409224
Sport Type	Cycling

8. WARRANTY AND SUPPORT

For detailed warranty information and customer support regarding your Shimano B01S Resin Disc Brake Pads, please refer to the official Shimano website or contact an authorized Shimano dealer. Keep your proof of purchase for any warranty claims.

Official Shimano Website: bike.shimano.com