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SHIMANO Y5PJ98020

Shimano Altus M280 and Tourney A070 TX800/75/55/35 Rear Derailleur B-Axle Instruction Manual

Model: Y5PJ98020

1. Product Overview

This manual provides essential information for the installation, maintenance, and troubleshooting of the Shimano Altus M280 and Tourney A070 TX800/75/55/35 Rear Derailleur B-Axle. This component is designed for repairs and replacement within compatible Shimano rear derailleur systems, ensuring proper function and longevity of your bicycle's drivetrain.



Image 1: Top view of the Shimano Rear Derailleur B-Axle. This image shows the threaded shaft and the circular base of the B-Axle, which is a critical component for mounting the derailleur.

2. Setup and Installation

Proper installation of the B-Axle is crucial for the correct operation of your rear derailleur. Always ensure your bicycle is stable and secure before beginning any work.

Required Tools:

- Appropriate hex key or wrench (refer to your specific derailleur model's service manual for size)
- Grease (optional, for threads)
- Torque wrench (recommended for precise tightening)

Installation Steps:

1. **Preparation:** If replacing an existing B-Axle, carefully remove the old component. Clean the mounting area on the derailleur body thoroughly to remove any dirt or old grease.
2. **Apply Grease (Optional):** Apply a thin layer of bicycle-specific grease to the threads of the new B-Axle. This can

help prevent seizing and facilitate future removal.

3. **Insert B-Axle:** Carefully thread the B-Axle into its designated mounting point on the rear derailleur body. Ensure it is aligned correctly to avoid cross-threading.
4. **Tighten:** Using the appropriate tool, tighten the B-Axle. Refer to your derailleur's service manual for the specific torque specifications. Overtightening can damage the component or derailleur body, while undertightening can lead to loosening during use.
5. **Verify:** Once tightened, ensure the B-Axle is securely seated and the derailleur's movement is not impeded.



Image 2: Side view of the Shimano Rear Derailleur B-Axle. This view highlights the overall shape and dimensions of the B-Axle, showing its robust construction.

3. Operating Considerations

The B-Axle is a static component that facilitates the mounting and pivot of the rear derailleur. Its proper function is integral to the derailleur's ability to shift gears smoothly and accurately. Once installed correctly, no specific "operation" is required from the B-Axle itself; its role is to provide a stable and secure connection point for the derailleur to the frame or hanger.

4. Maintenance

Regular inspection and maintenance can extend the life of your B-Axle and ensure optimal derailleur performance.

- **Periodic Inspection:** Regularly check the B-Axle for any signs of loosening, wear, or damage. Ensure it remains securely tightened to the specified torque.
- **Cleaning:** Keep the area around the B-Axle clean from dirt, mud, and grime, which can accumulate and potentially affect derailleur movement or cause corrosion.
- **Lubrication:** While the B-Axle itself does not require lubrication after installation, ensuring the derailleur's pivot points are clean and lubricated will contribute to overall system health.

5. Troubleshooting

If you experience issues with your rear derailleur, the B-Axle may be a contributing factor. Here are some common troubleshooting steps:

- **Derailleur Movement Issues:** If the derailleur feels loose or has excessive play at its mounting point, check if the B-Axle is securely tightened. Re-tighten to the recommended torque if necessary.
- **Noise:** Unusual noises from the derailleur area might indicate a loose B-Axle or contamination around its mounting. Inspect and clean the area.
- **Damage:** In the event of a crash or impact, inspect the B-Axle for bends, cracks, or other damage. A damaged B-Axle must be replaced immediately to prevent further issues or failure.

6. Specifications

Specification	Detail
Brand	SHIMANO
Model Number	Y5PJ98020
UPC	689228918580
Mounting Type	Braze-On Mount
Material	Metal, Aluminum
Color	Black
Item Weight	0.02 Pounds
Item Dimensions (LxWxH)	0.5 x 0.5 x 0.5 inches

7. Warranty Information

Specific warranty details for the Shimano Altus M280 and Tourney A070 TX800/75/55/35 Rear Derailleur B-Axle are typically provided with the original product purchase or can be found on the official Shimano website. Please retain your proof of purchase for any warranty claims. Warranty coverage generally applies to manufacturing defects and does not cover damage due to improper installation, misuse, or normal wear and tear.

8. Support and Contact

For further assistance, technical support, or inquiries regarding the Shimano Altus M280 and Tourney A070 TX800/75/55/35 Rear Derailleur B-Axle, please refer to the official Shimano support channels or visit their website. You may also consult with a certified bicycle mechanic for professional installation or repair services.
Official Shimano Website: bike.shimano.com

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