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AXA Dynamo Traction Power Control rechts - One Size User Manual

Model: 286000

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your AXA Dynamo Traction Power Control rechts. Please read this manual thoroughly before installation and operation to ensure proper functionality and longevity of the product.

2. SAFETY INFORMATION

General Safety Guidelines

- Always ensure the product is securely mounted before use. Loose components can cause injury or damage.
- Do not attempt to modify the product. Unauthorized modifications can void the warranty and lead to malfunction.
- Keep out of reach of children. This product is not a toy.
- Consult a professional bicycle mechanic if you are unsure about installation or operation.

3. COMPONENTS

Product Overview

The AXA Dynamo Traction Power Control rechts is a bicycle dynamo designed to provide power for bicycle lighting systems. It features a robust housing and a traction wheel for efficient power generation when engaged with the bicycle tire.



Image 1: AXA Dynamo Traction Power Control rechts. This image shows the complete dynamo unit, highlighting its compact design and the traction wheel at the bottom, ready for mounting on the right side of a bicycle.

Key Parts

- **Dynamo Body:** The main housing containing the generator mechanism.
- **Traction Wheel:** The rubberized wheel that makes contact with the bicycle tire to generate power.
- **Mounting Bracket:** The integrated arm used to attach the dynamo securely to the bicycle frame.
- **Connection Terminals:** Electrical points for wiring to the bicycle's front and rear lights.

4. SETUP

Installation Instructions

1. **Choose Mounting Location:** Identify a suitable location on the right side of your bicycle's rear wheel fork. Ensure there is sufficient clearance for the dynamo and its traction wheel to engage and disengage from the tire without obstruction.
2. **Attach Mounting Bracket:** Secure the dynamo's mounting bracket to the bicycle frame using appropriate bolts and nuts (not included). Ensure the bracket is firmly attached and the dynamo is stable, preventing any wobble during operation.
3. **Position Dynamo:** Adjust the dynamo's position so that the traction wheel can make firm, consistent contact with the tire when engaged, and completely disengage when not in use. The dynamo should be positioned to allow for easy engagement and disengagement.
4. **Electrical Connection:** Connect the dynamo's electrical terminals to your bicycle's lighting system. Typically, there is a positive (+) and a negative (-) connection. Refer to your bicycle light's manual for specific wiring diagrams and polarity. Ensure all connections are secure and insulated.
5. **Test Functionality:** Spin the bicycle wheel to ensure the dynamo engages properly and generates power for your lights. Check that the lights illuminate steadily when the dynamo is engaged and the wheel is spinning.

5. OPERATING

How to Use

The AXA Dynamo Traction Power Control rechts is designed for simple and reliable operation.

Engaging the Dynamo

To activate the dynamo and power your lights, push the dynamo body towards the tire so that the traction wheel makes firm contact. This action is typically performed via a lever or a spring-loaded mechanism on the dynamo itself. Ensure the traction wheel is pressed firmly against the tire for optimal power generation.

Disengaging the Dynamo

To disengage the dynamo and reduce resistance when lights are not needed, pull the dynamo body away from the tire. This will stop power generation and allow for free wheel rotation.

Power Output

The dynamo generates power proportional to the bicycle's speed. Higher cycling speeds will result in brighter lights. The dynamo is designed to provide consistent power for standard bicycle lighting systems.

6. MAINTENANCE

Care and Longevity

- Cleaning:** Periodically clean the dynamo body and especially the traction wheel to remove accumulated dirt, mud, and debris. A damp cloth is usually sufficient. Ensure the traction wheel is free of grit for efficient operation.
- Traction Wheel Inspection:** Regularly inspect the traction wheel for signs of wear, such as cracks, hardening, or excessive flattening of the rubber. If the contact surface is significantly worn, it may reduce efficiency and grip. Replacement traction wheels may be available from AXA or authorized dealers.
- Lubrication:** The internal mechanisms of the dynamo are generally maintenance-free and sealed. Do not attempt to lubricate internal components unless specifically instructed by the manufacturer, as this could damage the unit.
- Storage:** When not in use for extended periods, especially during off-season, store the bicycle in a dry environment to prevent corrosion and preserve the dynamo's components.

7. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Lights are dim or flicker	Loose electrical connection, dirty traction wheel, worn traction wheel, low cycling speed	Check and secure all wiring connections. Clean the traction wheel thoroughly. Inspect and replace worn traction wheel if necessary. Increase cycling speed to generate more power.

Problem	Possible Cause	Solution
Dynamo slips on tire	Wet tire, worn traction wheel, insufficient pressure on tire, improper alignment	This can occur in wet conditions; try to keep the tire contact area clean. Check for wear on the traction wheel and replace if needed. Adjust mounting to ensure adequate and consistent pressure on the tire. Verify proper alignment of the dynamo with the tire.
No power output	Disconnected wires, faulty dynamo, dynamo not engaged with tire	Verify all electrical connections are secure and correctly wired. Ensure the dynamo is properly engaged with the tire. If issues persist after checking connections and engagement, the dynamo may be faulty and require professional inspection or replacement.

8. SPECIFICATIONS

Technical Data

Feature	Detail
Brand	AXA
Model	286000
Size	One Size
Color	Black
Material	Other
Sport	Cycling
Fit Type	Universal fit
Global Trade Identification Number (GTIN)	03379939031957
Item Package Dimensions (L x W x H)	7.24 x 4.8 x 2.01 inches
Package Weight	0.21 Kilograms
Manufacturer	Axa
Model Year	2018
ASIN	B00W6ILS7I

9. WARRANTY AND SUPPORT

Product Warranty

Warranty information for the AXA Dynamo Traction Power Control rechts is typically provided with your purchase documentation. Please refer to the warranty card or contact the retailer from whom you purchased the product for specific details regarding warranty coverage, terms, and conditions.

Customer Support

For further assistance, technical support, or inquiries regarding replacement parts, please contact your local AXA distributor or the authorized retailer from whom you purchased the product. They will be able to provide specialized support and guidance.