

BAFANG M315 MM G340.750.C

BAFANG 750W Mid Drive Kit User Manual

Model: M315 MM G340.750.C

Brand: BAFANG

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BAFANG 750W Mid Drive Kit (BBS02B G340). This kit is designed to convert a standard bicycle into an electric bicycle, offering enhanced features for a comfortable and controlled riding experience.

Key Features:

- Soft Start Function:** Provides smooth acceleration, preventing sudden jolts.
- Precise Speed Control:** Achieved via a thumb throttle with varying pressure sensitivity.
- XT60 Port Upgrade:** Replaces the traditional bullet port for improved motor longevity.
- Upgraded SM Connector:** Ensures quick and accurate connections for the headlight.
- High Torque Output:** Maximum torque of 120 N.m for powerful assistance.
- Speed Capability:** Capable of reaching speeds up to 50 KM/H on a 27.5" bike.



Image 1.1: Overview of the BAFANG 750W Mid Drive Kit and included components.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- BAFANG 48V 750W Mid Motor Kit
- Optional Display (e.g., 500C, EKD01, DPC18)
- 44T Chainring (standard; 36T or 42T available upon request)
- Brake Levers (default; brake sensors for hydraulic/integrated levers available upon request)
- Thumb Throttle
- Cranks
- Speed Sensor
- 1T4 Cable
- Headlight

- Wrench
- Crank Puller
- Zip Ties
- Stickers



Image 2.1: Thumb Throttle, Cranks, and 1T4 Cable.



Image 2.2: Brake Lever, Bottom Bracket Removal Tool, and Speed Sensor.



Image 2.3: Headlight, Wrench, and Crank Puller.

3. COMPATIBILITY & FITMENT

To ensure proper fitment of the BAFANG BBS02B mid-drive motor to your bicycle, please verify the following dimensions:

- **Bottom Bracket Length:** Must be between 68mm and 73mm.
- **Bottom Bracket Inner Diameter:** Must be between 33.5mm and 36mm.

For bottom brackets at the 73mm length, specific washers may be required. Please contact customer support if this applies to your bike.

Ensure that the selected chainring will not interfere with the chain stay of your bicycle. The kit is not compatible with belt drive chainrings, coaster bikes, or carbon fiber bike frames.

HOW DO I KNOW IF THIS MOTOR KIT FIT MY BIKE OR NOT?



Image 3.1: Guide for checking bike compatibility with the mid-drive motor kit.



Image 3.2: Detailed visual guide for motor fitment and incompatible bike types.

4. SETUP & INSTALLATION

The installation process is designed to be straightforward with the included tools. A detailed video guide is available upon request if you encounter any difficulties.

Installation Steps Overview:

- 1. Prepare Your Bike:** Remove the existing bottom bracket, cranks, and chainring from your bicycle using the provided crank puller and bottom bracket removal tool.
- 2. Install the Mid Motor:** Insert the BAFANG mid motor into the bottom bracket shell. Secure it with the locking ring using the specialized wrench.
- 3. Attach Chainring and Cranks:** Install the chosen chainring (44T standard, or 36T/42T if requested) and then attach the left and right cranks.
- 4. Mount Components:** Install the display, thumb throttle, brake levers, and headlight onto your handlebars.
- 5. Connect Wiring:** Use the 1T4 cable to connect the motor to the display, thumb throttle, and brake levers. Connect the speed sensor to the rear wheel area, ensuring a 5-8mm distance between the sensor and the magnet. Connect the headlight.
- 6. Brake System Considerations:** The kit includes standard brake levers. If your bike has hydraulic brake levers or integrated brake/shifter units, please contact customer support to receive compatible brake sensors instead.

EASY TO INSTALL

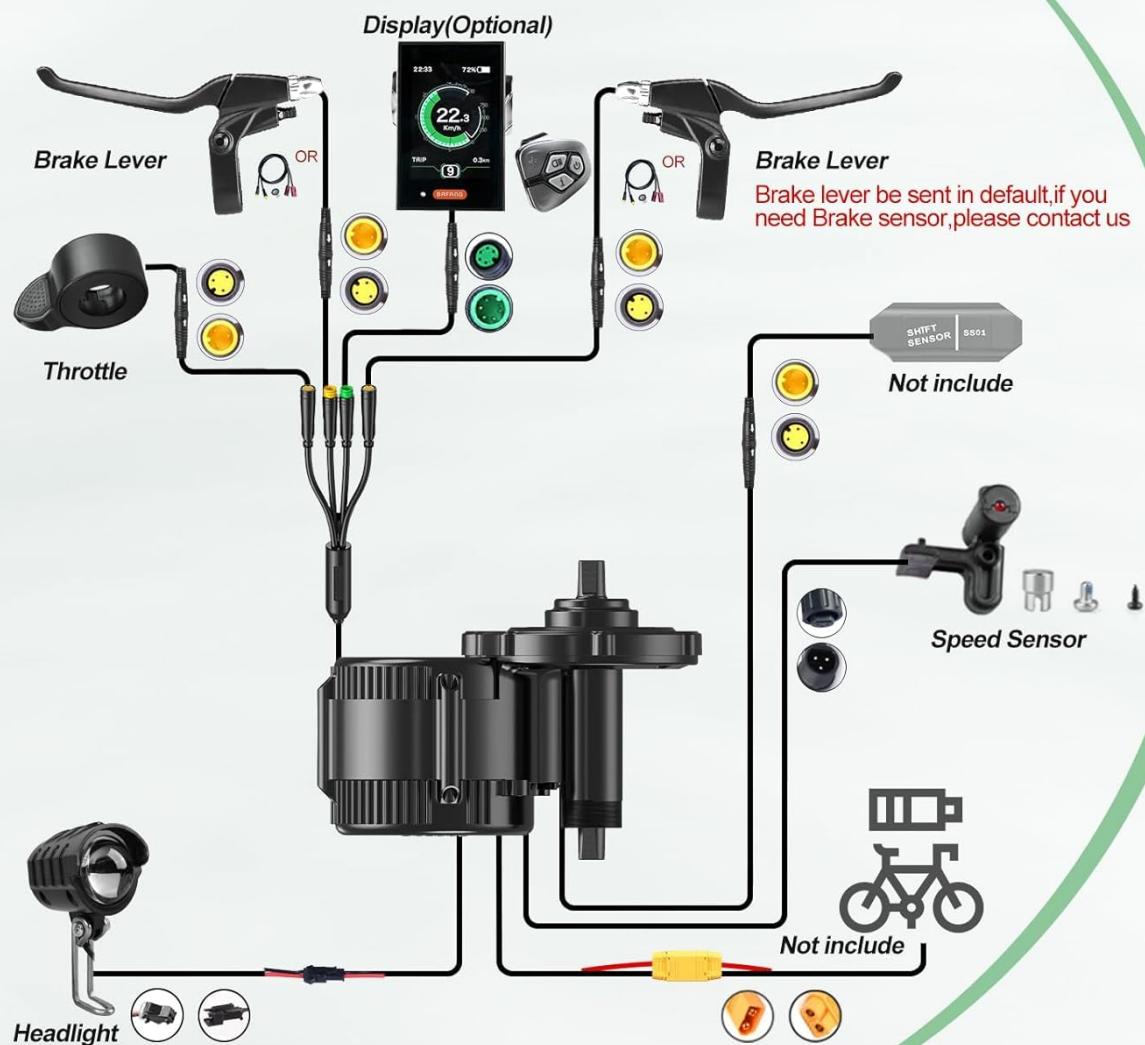


Image 4.1: Wiring diagram illustrating component connections.

OPTIONAL CHAINRING & BRAKE SYSTEM

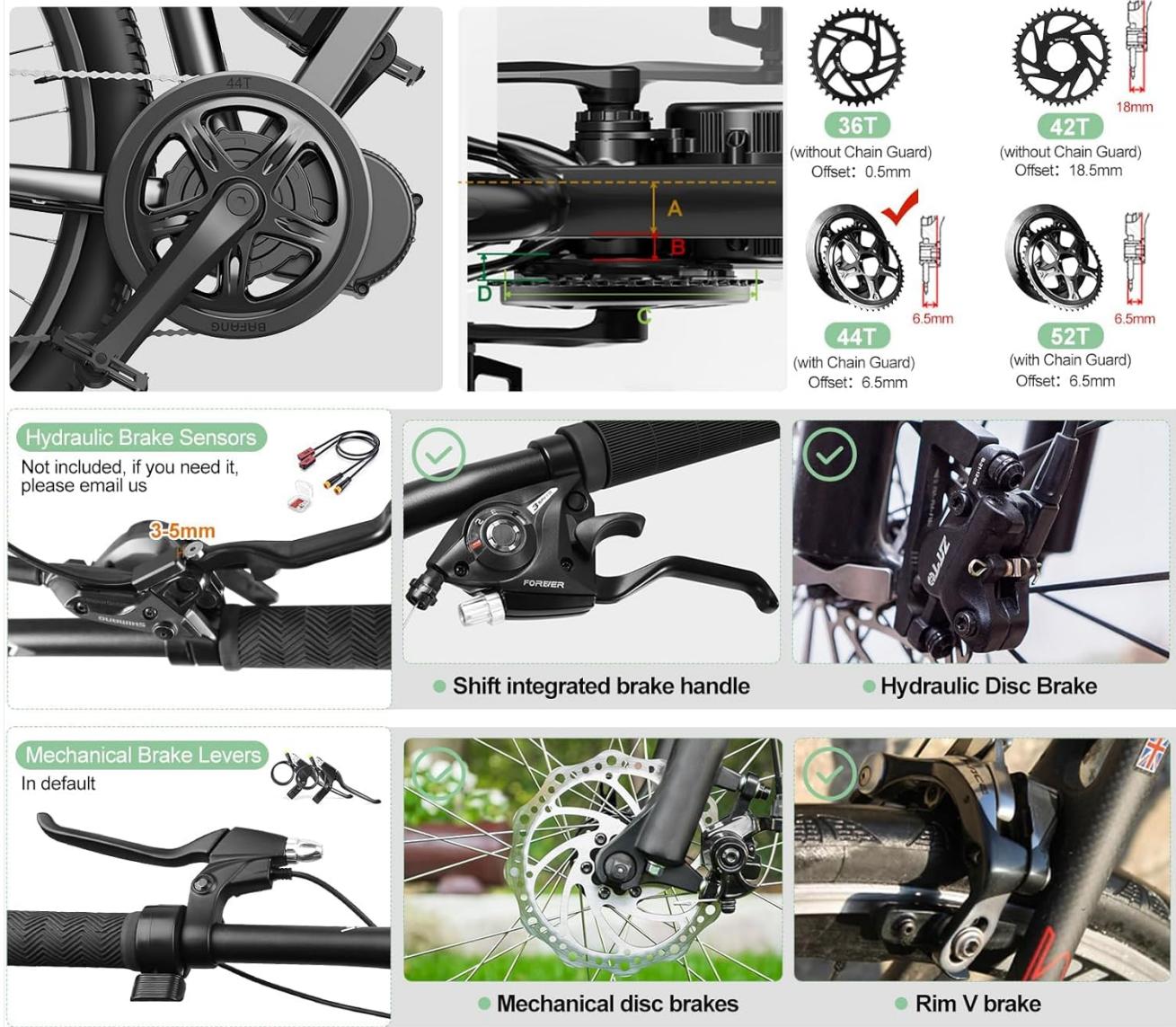


Image 4.2: Chainring selection and brake system options.

INTELLIGENT DISPLAY



Image 4.3: Brake system options and compatibility notes.

5. OPERATING INSTRUCTIONS

Motor Operation:

The BAFANG 750W mid-drive motor features a soft start function, ensuring a gradual and comfortable acceleration. Speed can be precisely controlled using the thumb throttle, which responds to varying pressure. The motor supports both throttle mode and pedal assist mode, with speed limits applying to both for safety.

NEW UPGRADED BAFANG BBS02B MOTOR

New upgraded version

- Slow Start Function

Max Torque

40km/h

30km/h

20km/h

10km/h

0

1 PAS 2 PAS 3 PAS 4 PAS 5 PAS

Gently Start

NEW

Cyclist icon at 4 PAS

- Speed Changes Based on Throttle Pressure

- Speed Limit Applies To

Throttle Mode ✓ Pedal Assist Mode ✓

Old version

- No Slow Start Function

Max Torque

40km/h

30km/h

20km/h

10km/h

0

1 PAS 2 PAS 3 PAS 4 PAS 5 PAS

Quick Start

OLD

Cyclist icon at 4 PAS

- Same Speed

- Speed Limit Applies To

Throttle Mode ✗ Pedal Assist Mode ✓

Image 5.1: Comparison of new upgraded motor features including soft start and throttle control.

Display Options:

The kit offers various display options to suit individual preferences, including the 500C, EKD01, and DPC18 models. These displays provide essential information such as speed, battery level, and assist level. The EKD01 display, for example, features a 2.4" IPS screen, adjustable brightness, and multi-language selection.

SMART DIGITAL LCD DISPLAY

EKD01 DISPLAY



Image 5.2: Features of the EKD01 Smart Digital LCD Display.

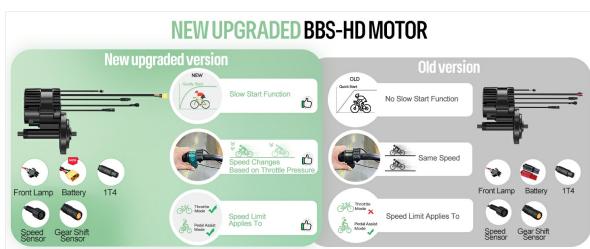


Image 5.3: EKD01 Bluetooth Display.

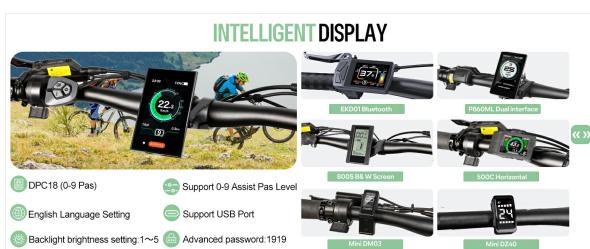


Image 5.4: P860ML Dual Interface Display.



Image 5.5: 500C Horizontal Display.



Image 5.6: Mini DZ40 Display.



Image 5.7: Mini DM03 Display.

6. SPECIFICATIONS

| Feature | Detail |
|------------------------------|--|
| Motor Type | BAFANG BBS02B Mid Drive Motor |
| Power Output | 750W |
| Voltage | 48V |
| Max Torque | 120 N.m |
| Max Speed (on 27.5" bike) | Up to 50 KM/H |
| Bottom Bracket Compatibility | Length: 68-73mm, Inner Diameter: 33.5-36mm |
| Chainring Options | 44T (standard), 36T, 42T |
| Display Options | 500C, EKD01, DPC18, P860ML, 800S, Mini DM03, Mini DZ40 |
| Brake Type Compatibility | Disc, Rim V-brake (with appropriate levers/sensors) |
| Item Weight | 6.83 kg |
| Frame Material Compatibility | Aluminum (not compatible with Carbon Fiber) |
| Special Features | Rechargeable (requires external battery, not included) |



45KM/h(28MPH)
Top speed



IPX5
Waterproof



4.3KG(9.5lb)
Weight



45°
Climbing Angle



High-tech
Display



POWERFUL & SAFETY BAFANG MOTOR

BAFANG 48V 750W 120 N.m



Image 6.1: Key specifications of the BAFANG 48V 750W motor.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your BAFANG mid-drive kit. While specific maintenance instructions for the motor itself are minimal, general e-bike care practices should be followed:

- **Regular Cleaning:** Keep the motor, chainring, and electrical connections clean from dirt and debris. Use a damp cloth; avoid high-pressure washing directly on electrical components.
- **Check Connections:** Periodically inspect all electrical connections (motor, display, throttle, sensors) to ensure they are secure and free from corrosion.
- **Lubrication:** Keep your bicycle chain well-lubricated according to standard bicycle maintenance practices.
- **Brake Inspection:** Regularly check brake pads and cables/hoses for wear and proper function. Adjust or replace as necessary.
- **Speed Sensor Alignment:** Ensure the speed sensor maintains the recommended 5-8mm distance from its magnet for accurate readings.
- **Storage:** When storing the e-bike for extended periods, especially in cold conditions, ensure the battery (if

purchased separately) is stored at an appropriate charge level as recommended by its manufacturer.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your BAFANG mid-drive kit.

| Problem | Possible Cause | Solution |
|--------------------------------------|--|--|
| Motor not providing assistance | Loose electrical connection, low battery (if applicable), display error, speed sensor issue. | Check all cable connections. Ensure battery is charged and properly connected. Check display for error codes. Verify speed sensor alignment. |
| Inconsistent or no throttle response | Throttle cable loose or damaged, display settings. | Inspect throttle cable and connection. Check display settings for throttle activation. |
| Brakes not cutting motor power | Brake levers/sensors not connected or faulty. | Ensure brake levers/sensors are correctly installed and connected. If using hydraulic brakes, confirm correct brake sensors are installed. |
| Display not turning on | Loose power cable, battery issue. | Check power cable connection to the display and motor. Ensure battery is charged and connected. |
| Chainring rubbing chain stay | Incorrect chainring offset or incompatible bike frame. | Verify chainring offset. If issue persists, the bike frame may be incompatible. |

If you encounter issues not listed here or require further assistance, please refer to the support section.

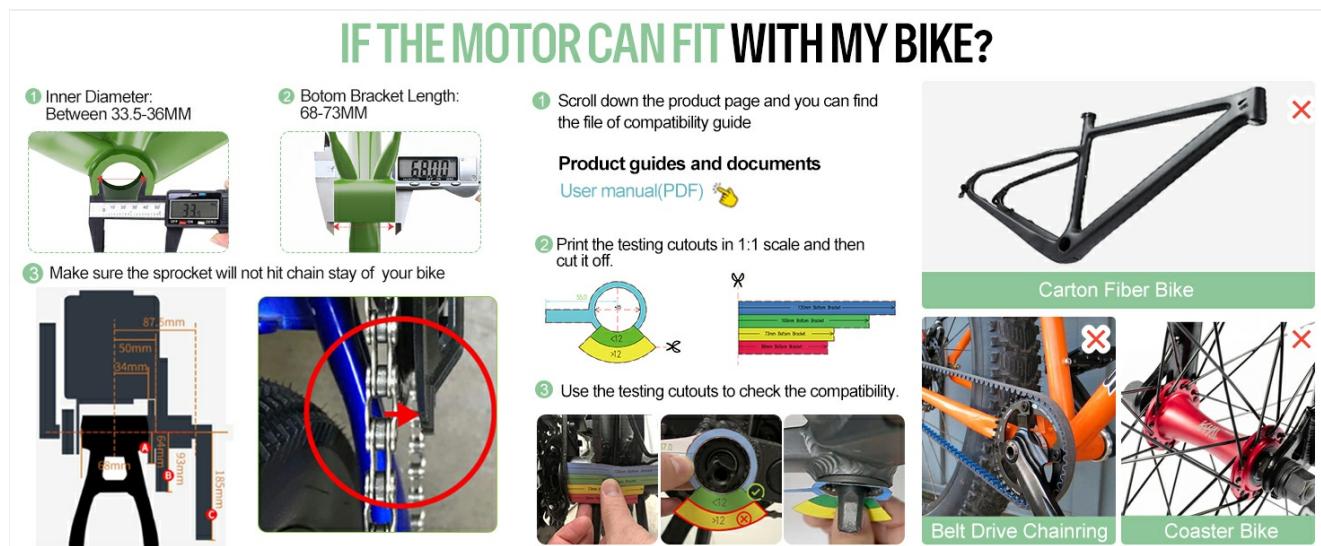


Image 8.1: Common questions regarding compatibility and components.

9. WARRANTY & SUPPORT

BAFANG is committed to providing exceptional service and support for your mid-drive kit.

Technical Support:

A dedicated local technical support team is available to provide assistance whenever needed. For any installation concerns, operational questions, or troubleshooting, please do not hesitate to reach out to us. We are committed to

delivering a smooth and worry-free experience post-purchase.

Warranty Information:

Specific warranty details are typically provided with your purchase documentation. Please refer to the warranty card or contact customer service for information regarding warranty periods and claims.

Contact Information:

For support, please refer to the contact details provided at the time of purchase or visit the official BAFANG website for the most current support options.

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Related Documents

| | |
|---|--|
|  | <p>Bafang BBS Series Drive System User Manual</p> <p>Comprehensive user manual for the Bafang BBS Series Drive System, covering installation, operation, maintenance, and troubleshooting for e-bike conversion kits.</p> |
|  | <p>BAFANG BBS01/BBS02 Mid-Drive Electric Bike Conversion Kit Installation Manual</p> <p>Detailed installation guide for BAFANG BBS01 and BBS02 mid-drive electric bike conversion kits. Covers system overview, technical specifications, step-by-step assembly, component connections, and warranty information for e-bike DIY enthusiasts.</p> |
|  | <p>BAFANG M510 Mid Motor User Manual and Installation Guide</p> <p>Comprehensive user manual for the BAFANG M510 Mid Motor, covering specifications, installation procedures, maintenance, and troubleshooting for electric bicycles.</p> |



[BAFANG M625/M325 Drive System User Manual - Installation, Operation, and Maintenance Guide](#)

The official user manual for BAFANG M625 and M325 electric bicycle drive systems. Covers installation, operation, safety, maintenance, specifications, and troubleshooting for optimal performance.