

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

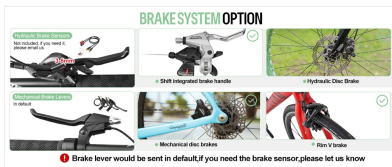


Image 2.1: Thumb Throttle, Cranks, and 1T4 Cable.

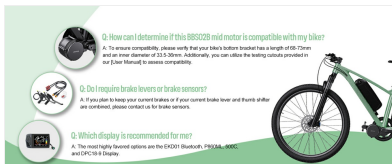


Image 2.2: Brake Lever, Bottom Bracket Removal Tool, and Speed Sensor.



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.

INTELLIGENT DISPLAY



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

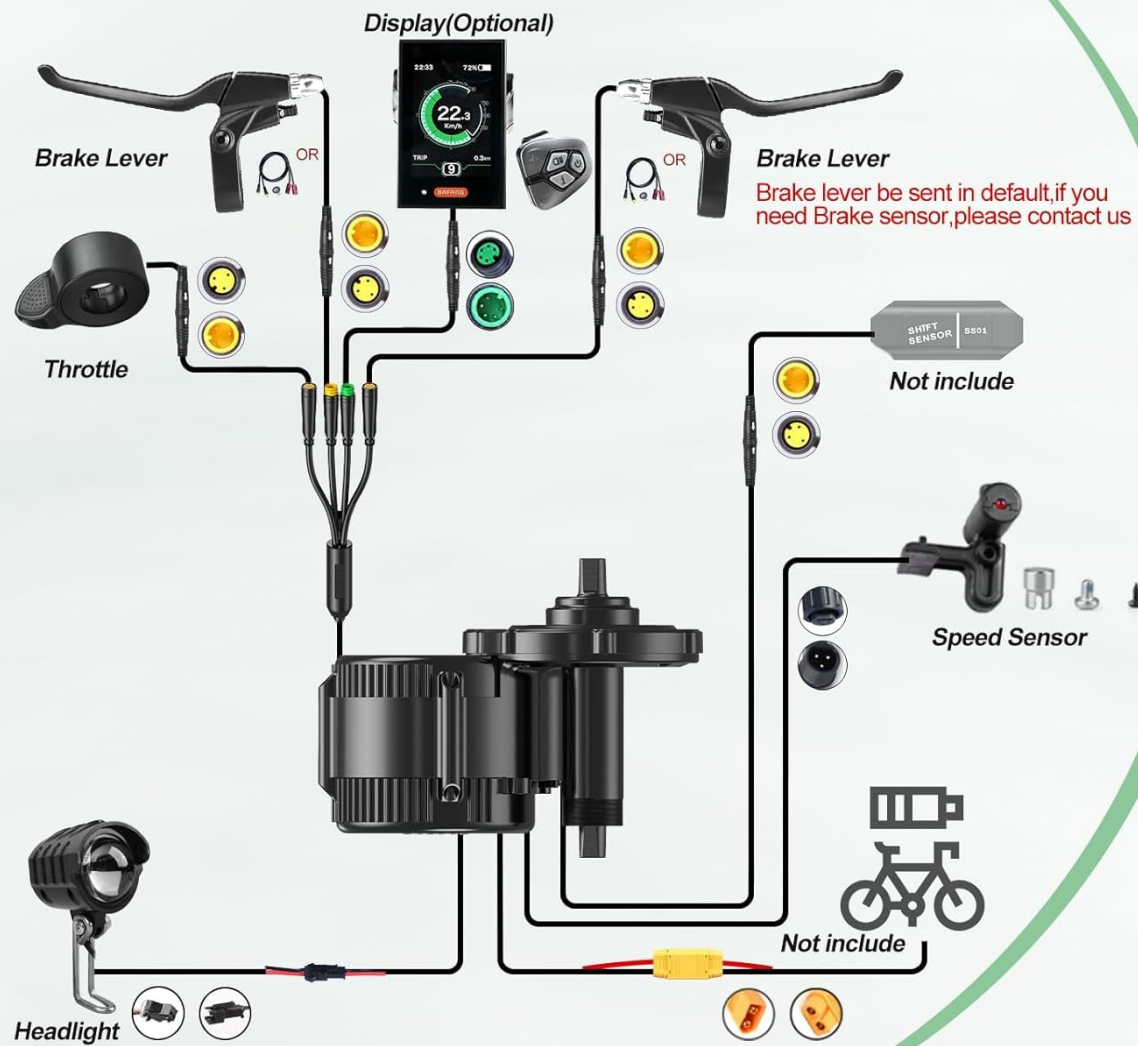
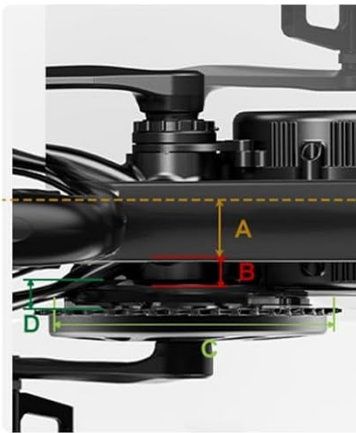


Image 4.1: Wiring diagram illustrating component connections.

OPTIONAL CHAINRING & BRAKE SYSTEM



36T
(without Chain Guard)
Offset: 0.5mm



42T
(without Chain Guard)
Offset: 18.5mm



44T
(with Chain Guard)
Offset: 6.5mm



52T
(with Chain Guard)
Offset: 6.5mm

Hydraulic Brake Sensors

Not included, if you need it, please email us



● Shift integrated brake handle



● Hydraulic Disc Brake

Mechanical Brake Levers

In default



● Mechanical disc brakes



● Rim V brake

Image 4.2: Chainring selection and brake system options.

INTELLIGENT DISPLAY



- P860ML Dual Interface
- Support 0-9 Assist Pas Level
- Support 8 Language Setting
(English, Français, Deutsch, Español, Italiano, Polski, Netherlands, Cestina)
- Support USB Port
- Backlight brightness setting: 1~5
- Advanced password: 1919



EKD01 Bluetooth



800S B&W Screen



DPC18 (0-9 Pas)



500C Horizontal



Mini DM03



Mini DZ40

Image 4.3: Brake system options and compatibility notes.





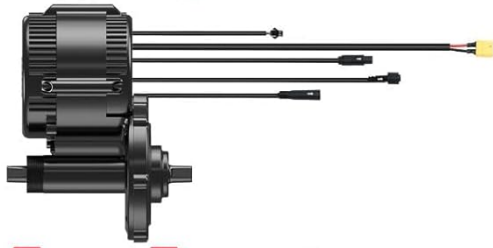
5. OPERATING INSTRUCTIONS

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**

- Speed Changes Based on Throttle Pressure**

- Speed Limit Applies To**
Throttle Mode  Pedal Assist Mode 

 - Front Lamp 250mm
 - Battery 500mm
 - 1T4 445mm
 - Speed Sensor 450mm
 - Gear Shift Sensor 250mm

Old version

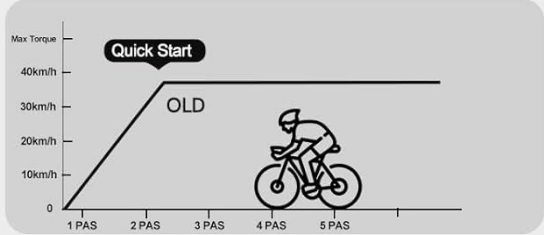
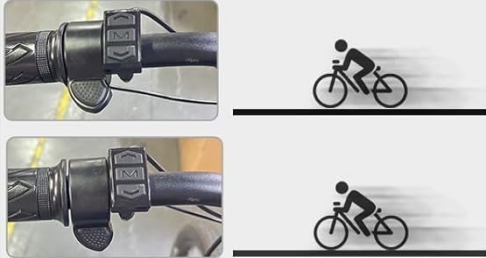


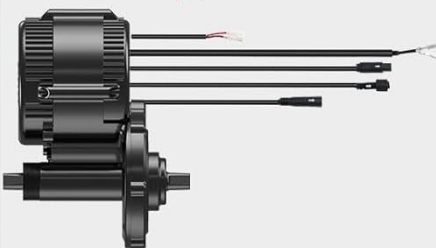
- No Slow Start Function**

- Same Speed**

- Speed Limit Applies To**
Throttle Mode  Pedal Assist Mode 

 - Front Lamp 100mm
 - Battery 500mm
 - 1T4 450mm
 - Speed Sensor 450mm
 - Gear Shift Sensor 240mm

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



2.4" IPS
Screen



2020
Advanced Password



Φ22.2/25.4
Holder Size(mm)



30%/50%/75%/100%
Brightness setting



Download on the
App Store

Android on the
Google play

Search for "BIKEGO" in the
app store and download

	Charge	Number of Navigable Times	Search Times
Free Experience Times	0\$	5 Times	200 Times
Payment Standard 1	1\$	10 Times	100 Times
Payment Standard 2	5\$	55 Times	600 Times
Payment Standard 3	10\$	120 Times	1300 Times



Total Mileage



Power Display



Type-C



0-99KM/H
Speed limit



3, 5, 9
PAS Level



Multi-Language
Selection



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

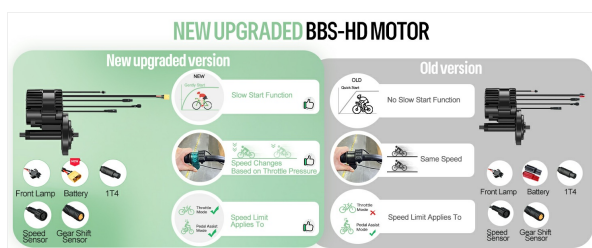


Image 5.3: EKD01 Bluetooth Display.

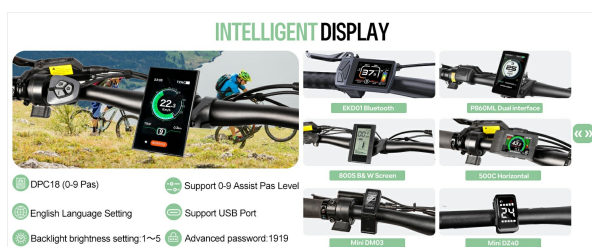


Image 5.4: P860ML Dual Interface Display.



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.
Chaining 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.

IF THE MOTOR CAN FIT WITH MY BIKE?

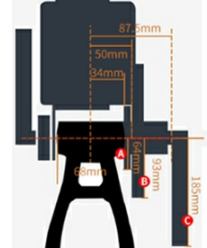
1 Inner Diameter:
Between 33.5-36MM



2 Bottom Bracket Length:
68-73MM



3 Make sure the sprocket will not hit chain stay of your bike

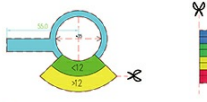


1 Scroll down the product page and you can find the file of compatibility guide


Product guides and documents


[User manual\(PDF\)](#)

2 Print the testing cutouts in 1:1 scale and then cut it off.




3 Use the testing cutouts to check the compatibility.






Carton Fiber Bike



Belt Drive Chainring



Coaster Bike

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.

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

10



USER MANUAL
M625/M325 Drive System

Thank you for your purchase of BAFANG products.
Please always use the correct installation and operation methods to ensure the safety of your vehicle and the performance of the product.
English version only.
The manual is for reference only. For more details, please refer to the product manual.
BAFANG Technology Co., Ltd. 2023

[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.