

# Quick Assembly Guide

## BESV PS1



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## 1. What's in the Box

### 1.1 Main Box Contents

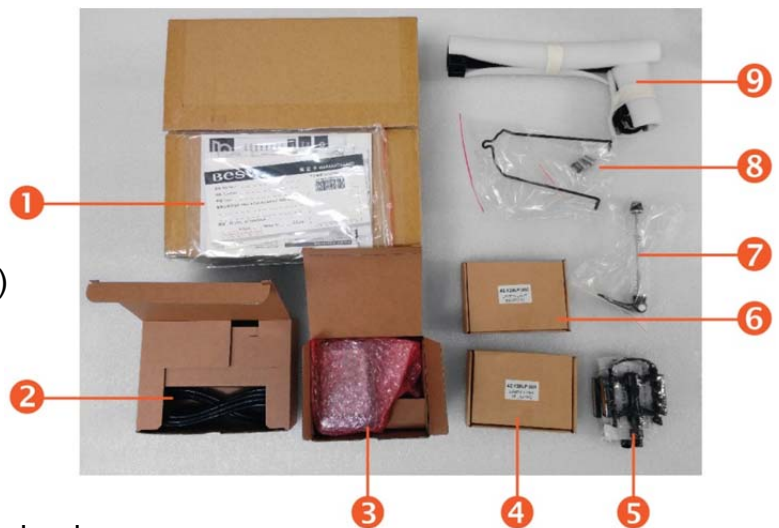
1. Main Bike Assembly
2. Accessory Box
3. Saddle/Seat Post Set
4. Front wheel



### 1.2 Accessory Box Contents

Parts in the accessory box:

1. Product Documentation
2. Charger
3. Human Machine Interface (HMI)
4. Headlight
5. Pedal
6. Rear light
7. Quick release (QR) for the front wheel
8. Front Fender Support
9. Steering column extension tube



## 2. Assembly Procedures

### 2.1 Front Wheel

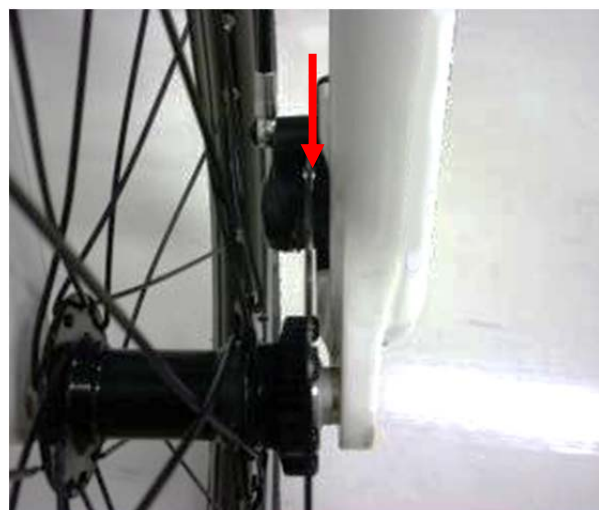
2.1.1 Unpack the front wheel and the main bike assembly.



2.1.2 Insert the wheel into the fork end.



Attention: The disk should be placed between the brake pads.



### 2.1.3 Set the quick release (QR)

Unscrew the nut and spring from the QR and insert the QR stem from the left side of the bike.



Attention: The quick release handle should be on the left side of bike.



### 2.1.4 Tighten the nut.

Place the spring back in the QR stem and tighten the nut until you encounter resistance. Then loosen 1/4 turn.



Note: The tapered end of the spring should be facing inward.

### 2.1.5 Lock the QR

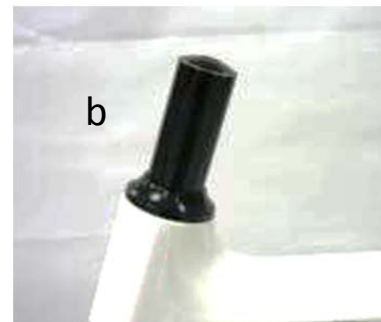
Lock the QR by pushing the handle upwards until parallel with fork. Turn the wheel and verify the rotation is smooth.



## 2.2 Steering Column Extension Tube with Stem

2.2.1 Insert the extension tube (a)

into the front fork (b).



2.2.2 Adjust the alignment of the tube

The tube and stem should face forward. The notch of clamp (d) must face backward.



2.2.3 Tighten the screw (c) beside the clamp (d)

\*The torque is 7N-m.



## 2.3 Set Up the Handle Bar

### 2.3.1 Take the brackets(e) off the stem



### 2.3.2 Align the handle bar.

Put the handle bar into stem and lock the brackets but not tighten it. Refer to the markings on the handle bar and align it with the center of the lock ring.



### 2.3.3 Tighten the brackets of the stem

Tighten the upper screw until the gap become 0.5mm, then tighten the lower screw with 6N-m torque.



## 2.4 Front Fender and Headlight

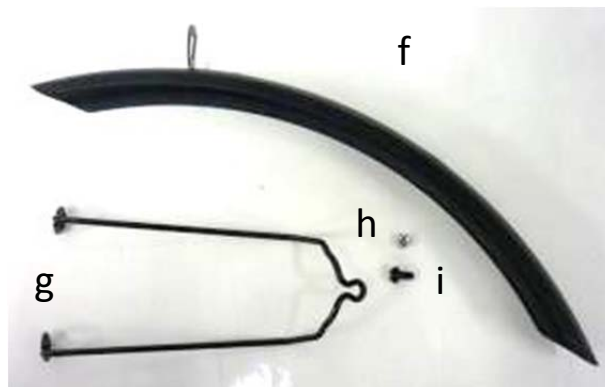
### 2.4.1 Fender parts introduction

(f) Front fender

(g) Fender support

(h) Nylon nut.

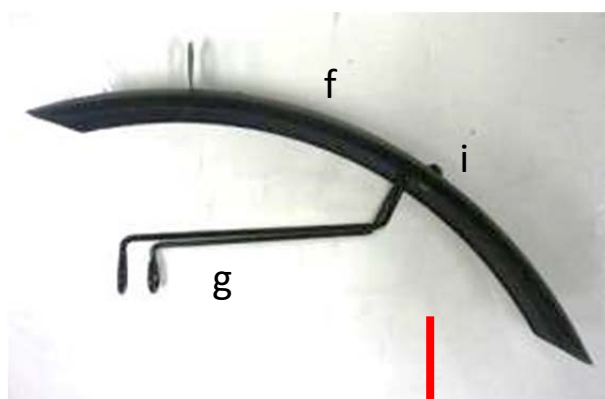
(i) M5 screw



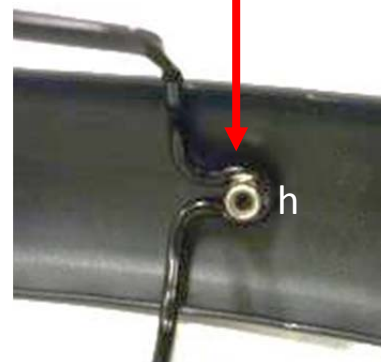
### 2.4.2 Assemble the fender first

Assemble the part (g), (f), (i) as right

picture show.



Note that nylon nut (h) should be inside the fender.





2.4.3 Positon the fender from back to front within the gap between wheel and fork.

Attention: The brake cable must be kept to the outer left of the fender support



2.4.4 Push the fender forward until the hanger touches the fork.



2.4.5 Introduction of headlight parts

(j) Headlight

(k) M6\*L35 screw

(m) Flat washer

(n) Spring washer

(p) M6 Nut



- 2.4.6 Insert the screw (k) from the front and through the light, fork, and the fender hanger. Sequentially from (m), (n), (p) and tighten them.



- 2.4.7 Secure the front fender support to the fork

After adjusting the space between the fender and the wheel, use the M10 screw to secure to the fork.



## 2.5 Pedal

2.5.1 Take out the pedal.



2.5.2 Set up the right pedal

Note: There is a mark "R" on one of the pedal.

Assemble it onto the right crank clockwise.



2.5.3 Set up the left pedal

Take another pedal and assemble it to the left crank counterclockwise.

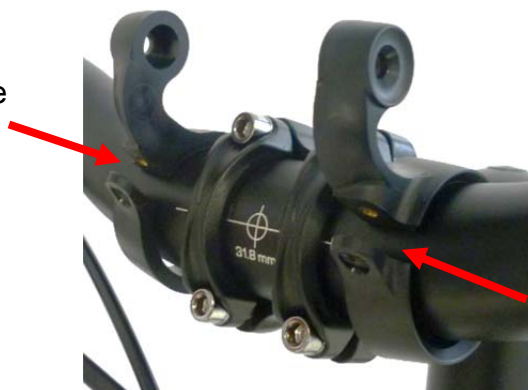


## 2.6 HMI

### 2.6.1 Set up the two brackets.

The C type notch face forward and lock onto the handle bar. Keep the screw loose for now.

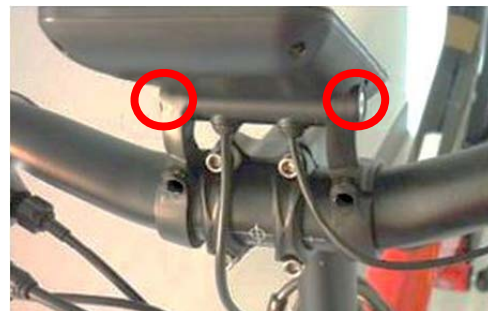
\*Note the bracket location.



### 2.6.2 Set up the HMI

Put the HMI in the bracket and adjust the angle.

Tighten both sides with a flat head screwdriver.



### 2.6.3 Adjust the angle and tighten the bracket screws.

Note: Do not over tighten.

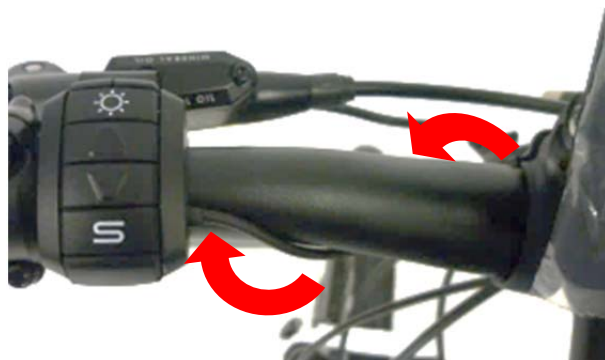


### 2.6.4 Take apart of switch's upper and lower housing by taking off the screws.



### 2.6.5 Set up the Switch

Set up the switch and cable as shown in the picture.



Place the switch close to the left brake lever.



Assemble the lower case and tighten the screw after adjusting the angle.

### 2.6.6 Connect the HMI.

Connect the HMI to the corresponding green connector.

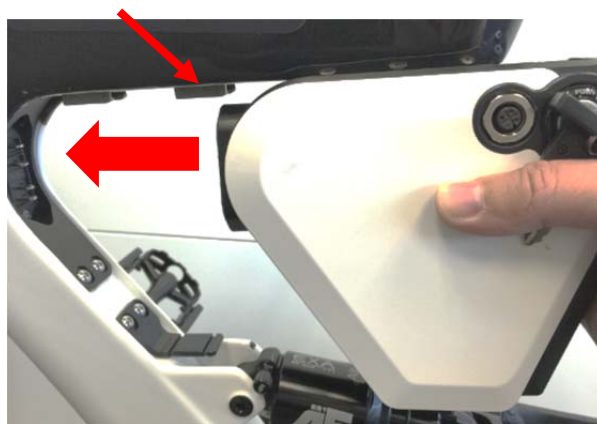


## 2.7 Battery

2.7.1 Insert the key and turn it to the "OPEN" position.



2.7.2 Aligning the battery with the metal rail, slide the battery in until it is firmly connected to the socket.



2.7.3 Push the key in and turn it to "OFF" position to lock the battery in place.



## 2.8 Saddle & Seat Post

2.8.1 Open the seat post clamp and insert the seat post.



Attention: the depth of the seat post. The seat post must be inserted at least 10cm (3.9inch).



2.8.2 Set the saddle face forward and adjust the height. Lock the seat post clamp.



## 2.9 Rear Light

### 2.9.1 Introduction of the rear light parts.

(1) Rear light

(2) Bracket upper housing.

(3) Bracket lower housing & reflector

(4) M4 Nut\*2

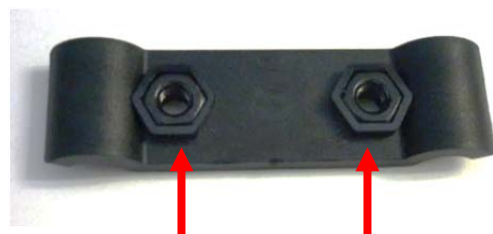
(5) M4\*L15 Screw\*2



### 2.9.2 Bracket.

Put the M4 nut into bracket upper housing.

Set under the saddle.



### 2.9.3 Combine upper and lower housing by M4 nut.



### 2.9.4 Insert the rear light into the bracket rail.





### 3 Checklist

3.1 Check the tire pressure is normal.

3.2 Check the function of the brakes, derailleur, and chain.

3.3 Check the function of the electric module and the battery power. Please refer to PS1 user manual.

