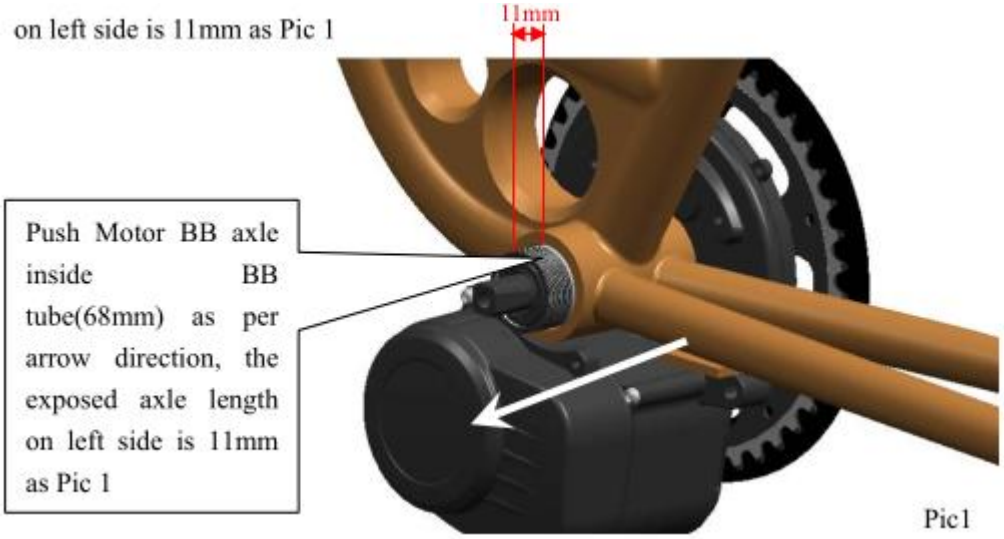
中置电机装配流程

Mid Drive Motor Installation Process

1 电机安装

第一步：电机中轴套依箭头方向推入自行车五通管，长度为 68mm 的五通管，则中轴套露出长度为 11mm，如图 1.

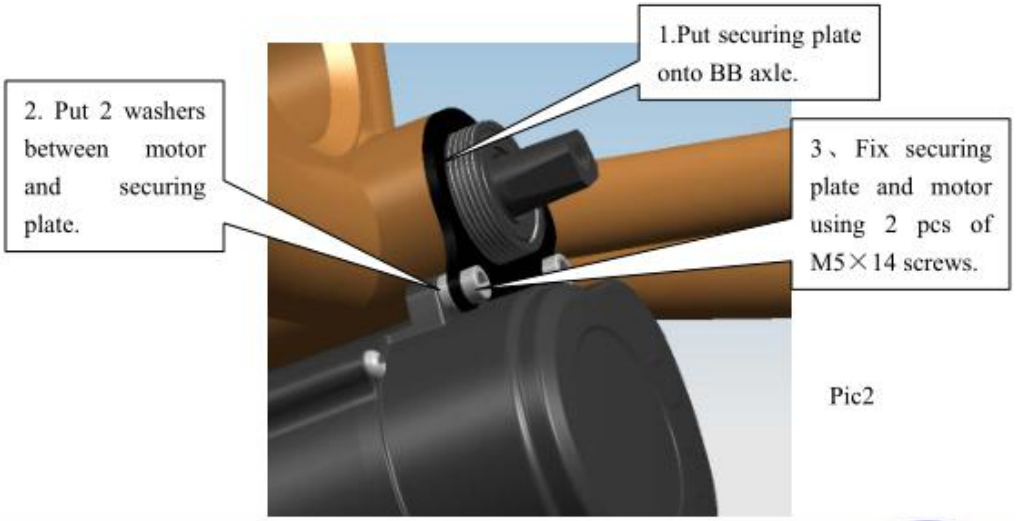
Step 1. Push Motor BB axle inside BB tube(68mm) as per arrow direction, the exposed axle length on left side is 11mm as Pic 1



Pic1

第二步：安装加强板。如图 2

Step 2. Install Securing plate. Please refer to Pic2.



Pic2

1、将加强板套在中轴五通上

1. Put securing plate onto BB axle.

2、两个铝垫圈放在加强板与中置电机之间

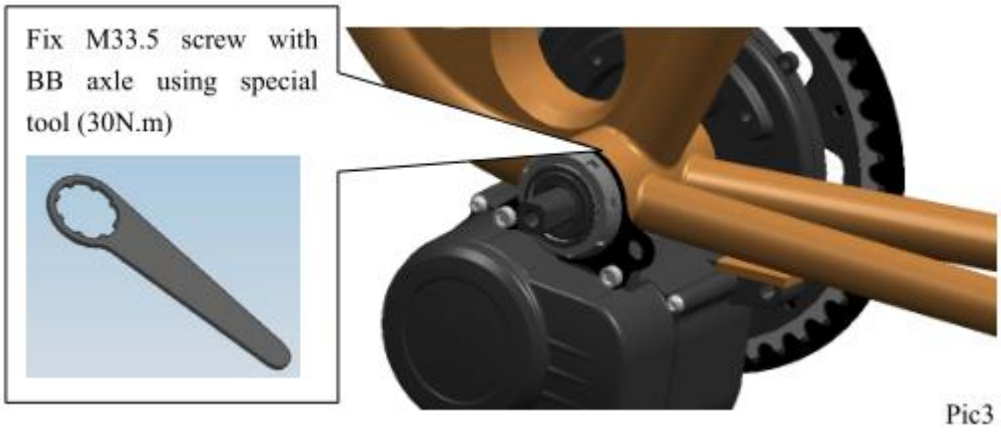
2. Put 2 washers between motor and securing plate.

3、用两个 M5×14 的内六角螺钉将加强板与中置电机锁紧

3. Fix securing plate and motor using 2 pcs of M5×14 screws.

第三步：将 M33.5 螺母旋到中轴套上，注意不要旋紧（预紧） 。 如图 3

Step 3. Fix M33.5 screw with BB axle using special tool (30N.m). Please refer to Pic3.



Pic3

第四步：固定电机与车架。如图 4.

Step 4. Fix Motor body with Frame. Please refer to Pic4.

1、M8*40 的螺钉连接固定块和中置电机主体螺柱孔，锁紧扭力为 20N·m。

1. Fix M8*40 screw with motor body and fixed block at this site by 20N.m torque.

2、用 M8*45 的圆头螺钉与固定块上的螺纹孔固定锁紧。

2. With the M8 * 45 screw and tighten threaded holes on the fixed block.

第五步：用 40N·m 的力旋紧 M33.5 螺母（最终锁紧） 。 如图 5

Step 5. Using 40N.m torque to fix this M33.5 screw again. Please refer to Pic5.

Pic5

第六步：安装曲柄。如图 6.

Step 6. Cranks installation.

用 M8×14 内六角螺钉安装左右曲柄，锁紧扭力为 40N·m。

Fix Cranks using M8×14 screws, the locking torque is 40N.m.

Pic6

2 仪表安装 Display Installation Process

第一步：安装仪表。如图 7.

Step 1. Install VLCD5 display. Please refer to Pic7.

用 2 个 M4×14 内六角圆柱头螺钉及 2 个 M4 的方螺母将仪表固定在图示位置处

Fix LCD display with handlebar using 2pcs of M4×14 bolts and 2pcs of M4 screws

其中支架有 2 个规格：φ 22.2 和φ 32，用户下单时要说明清楚。

The fixing support has 2 specifications:

Pic7

第二步、安装左手操作开关。如图 8.

Step 2. Install left hand remote control buttons. Please refer to Pic8.

用 2 个 M2.5×10 内六角圆柱头螺钉将操作开关固定在图示位置处

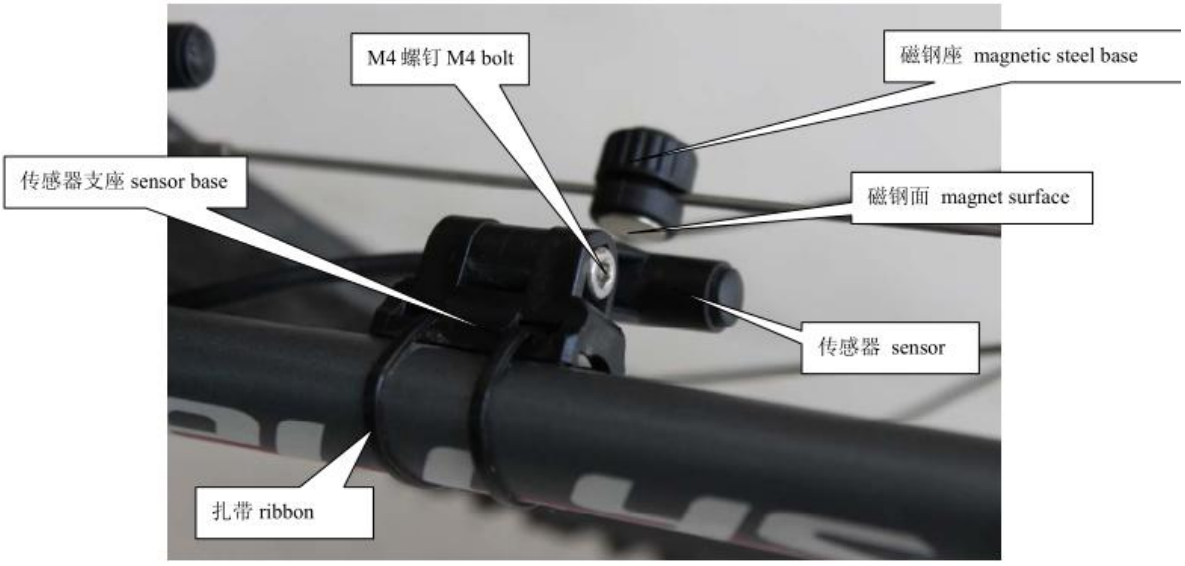
Pic8

3 车速传感器安装 Detection speed sensor Installation

第一步：装传感器

用两根扎带将车速传感器支座固定在车架后平叉上；

With the two ribbons will speed sensor pedestal fixed on the frame flat after a fork



Pic9

第二步：装磁钢座

Step 2. Install magnetic steel base

将磁钢座安装在后轮辐条上，且磁钢面朝向传感器；

Install the magnetic steel base on the spoke of rear

第三步：调节磁钢面与传感器的距离

Step 3. Adjust the distance between the magnetic steel base and the sensor.

转动传感器使其与磁钢面的距离不大于 5mm，然后上紧 M4 螺钉。

Turn the sensor, make sure it is less than 5mm distance from the magnetic steel base, and then tighten the M4 screw.

4 系统连接 System connection

第一步：将操作器与仪表的插件插好；

Step 1. Plug the plug-in of operator and display.

第二步：将仪表与中置电机的插件插好；

Step 2. Plug the plug-in of display and mid drive motor.

第三步：将车速传感器与中置电机的插件插好。

Step 3. Plug the plug-in of speed sensor and mid drive motor

第四步：将中置电机的两根电源连接到电池上。

Step 4. Connect the two power cord with the battery.

接线图

All Plugs connection