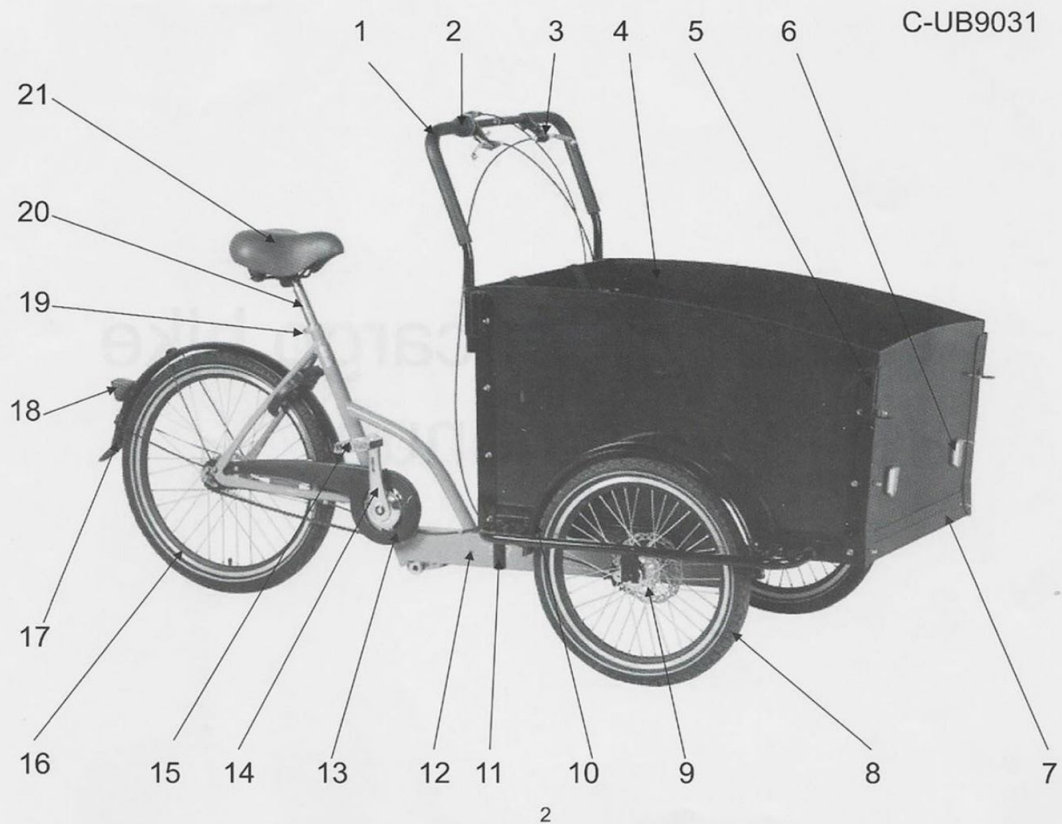
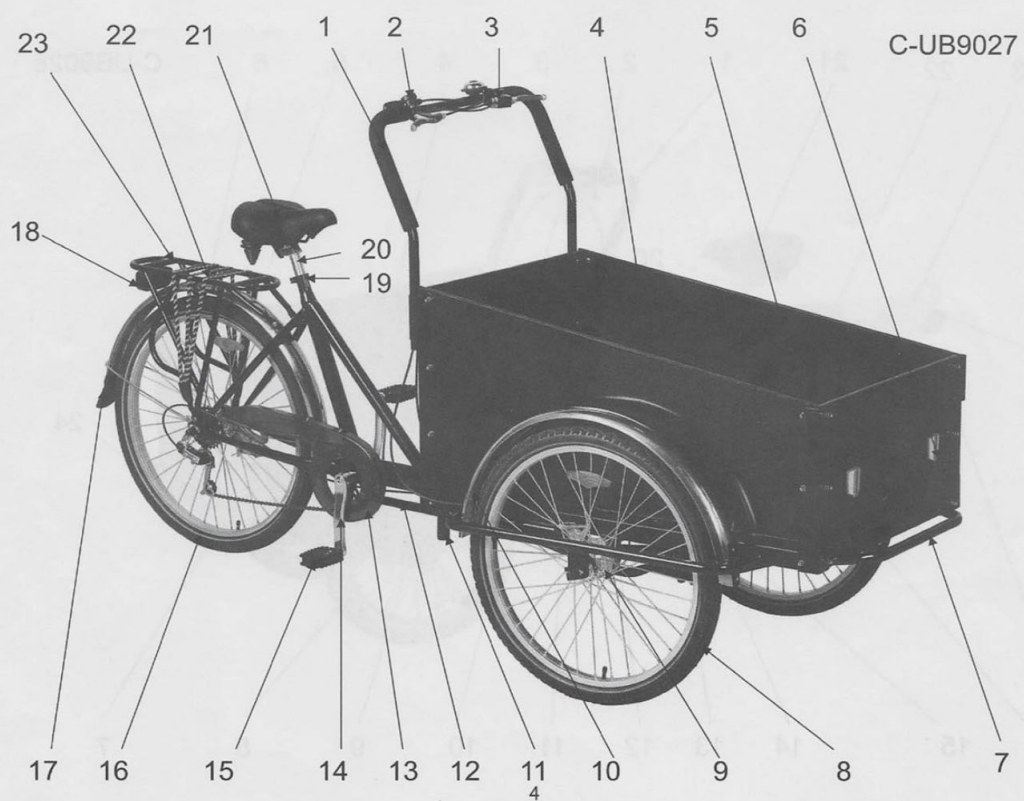
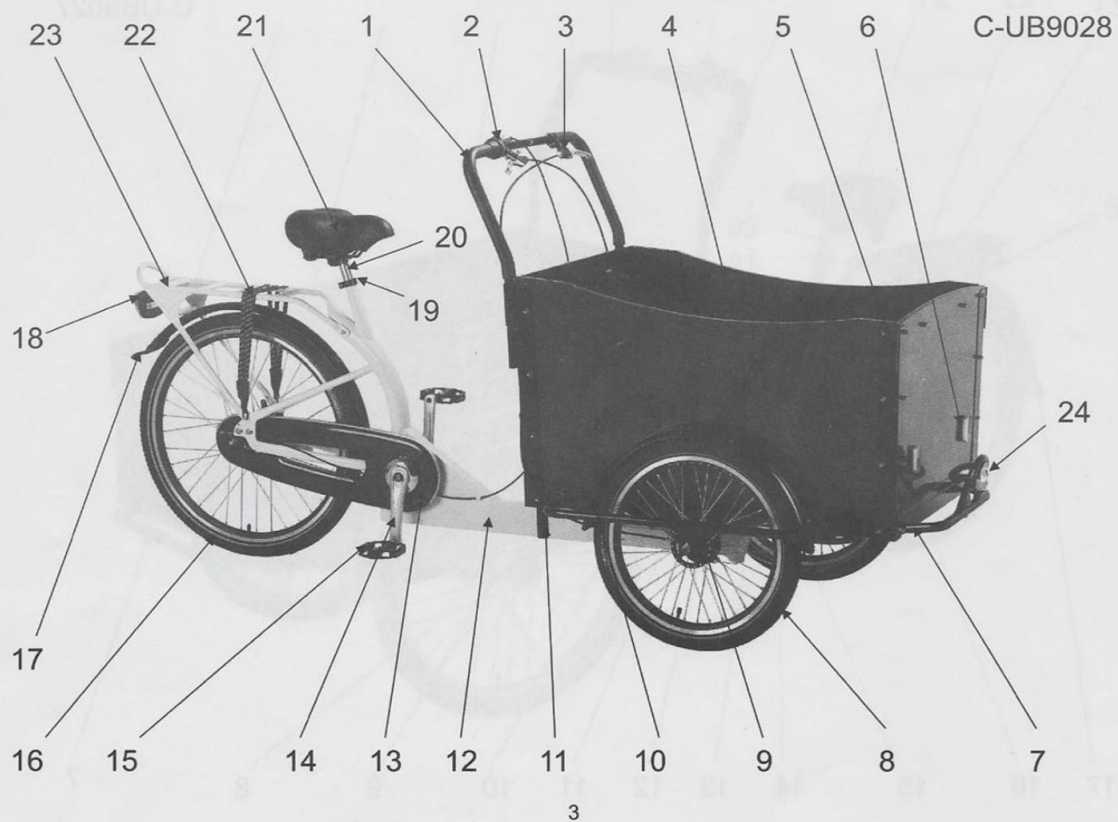
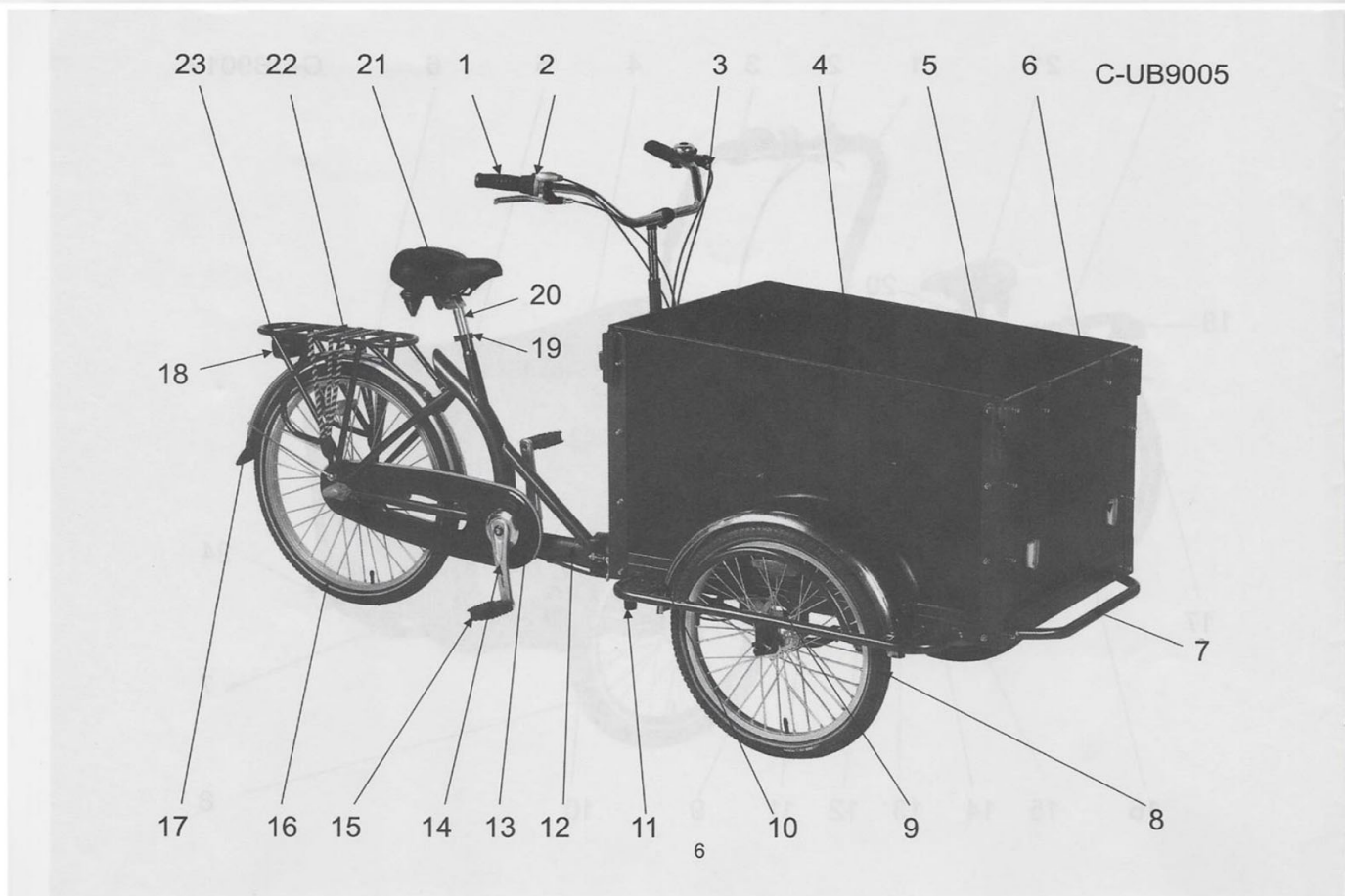
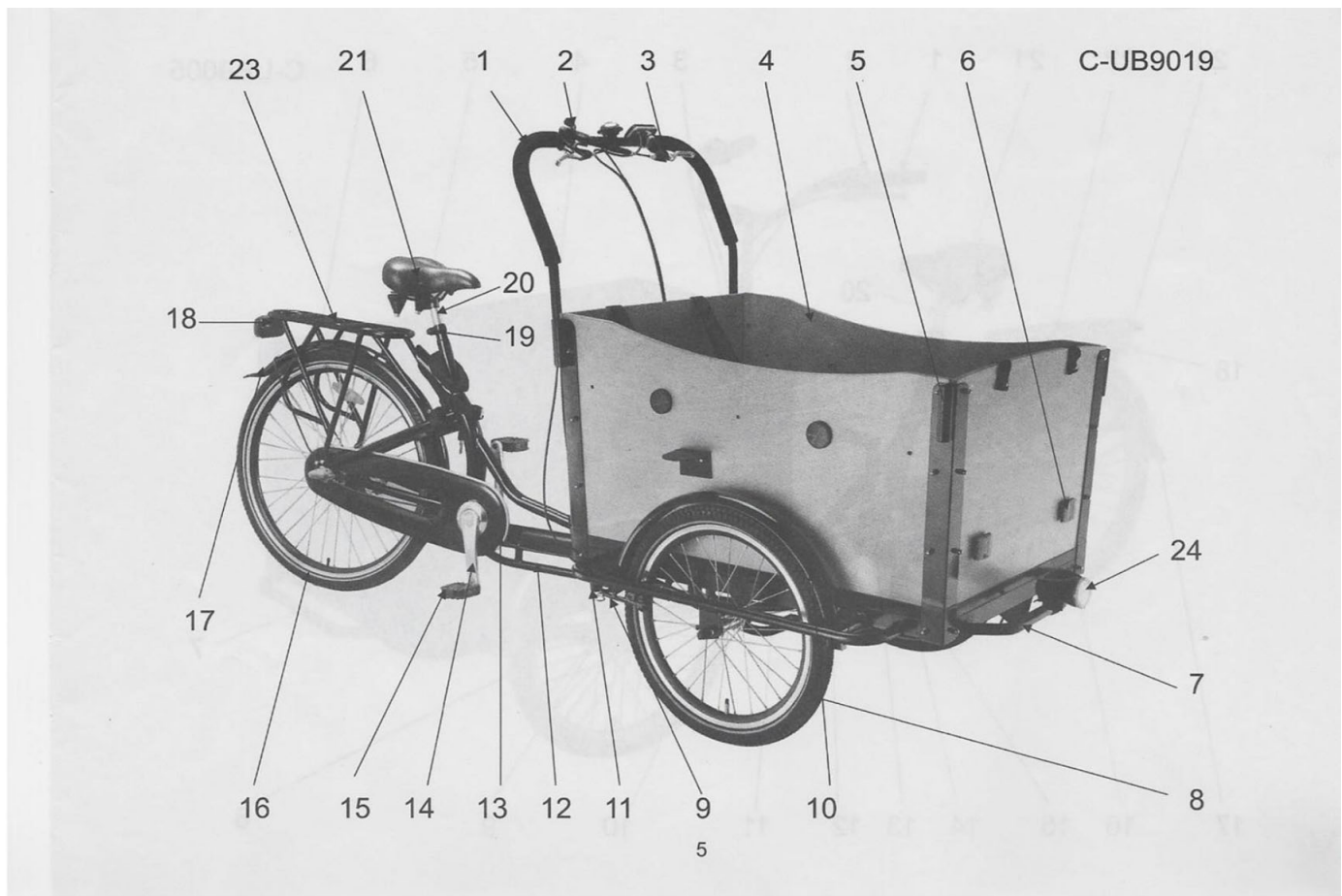


Three wheel cargo bike assembly manual







1.Handle bar & grip 2. gear shift 3. brake lever 4.box 5.corner iron 6. front reflector

7.Front frame (bottom border) 8.front wheel 9.front brake 10.fender

11.Bottom spacing pole 12.rear frame 13.chain cover & chain

14.chainwheel and crank 15. Pedal

16.Rear wheel 17.rear fender 18. rear reflector 19.seat post lock 20.seat post 21.saddle

22. Rubber band 23.carrier 24.LED light

7

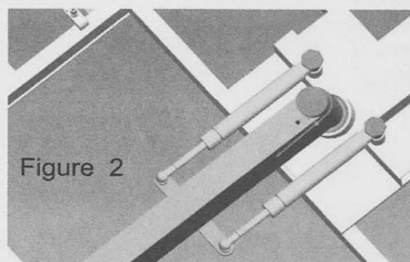
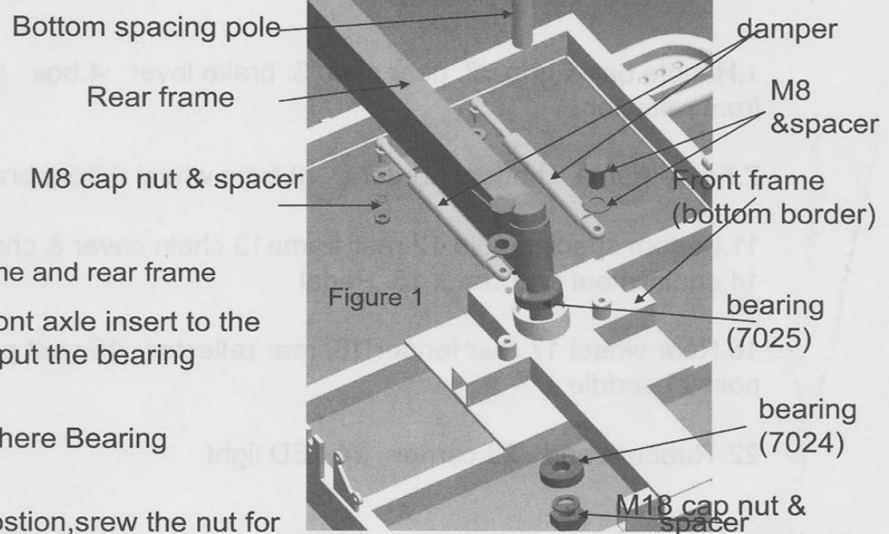
1Connecting front frame and rear frame

First let rear frame front axle insert to the front frame hole and put the bearing between them.

(Note: Daub butter where Bearing assembled).

After adjusting the postion,srew the nut for fixing.

Assemble the damper on the two sides of the frame as shown in Figure 2.



8

Second version, show in figure 3 and figure 4

Space all the parts as shown in figure 3, and lock it; Note: keep the knighthed and bottom border on the same level .

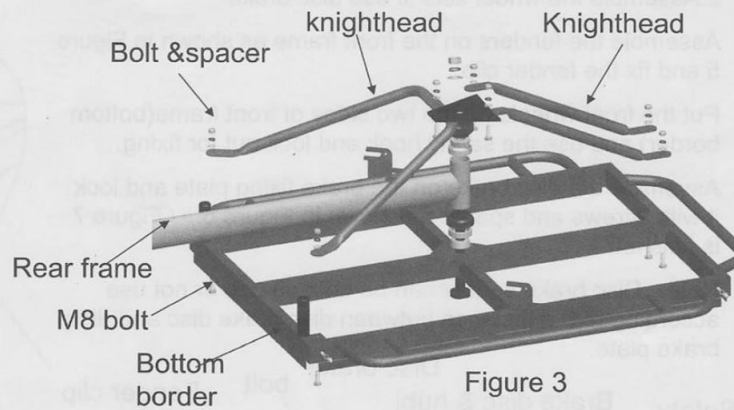


Figure 3

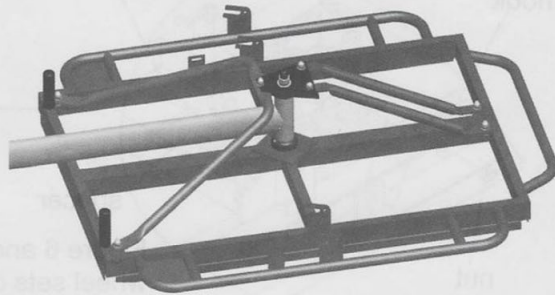


Figure 4

9

2. Assemble the wheel sets ,if use disc brake

Assemble the fenders on the front frame as shown in Figure 5 and fix the fender clip.

Put the front wheels on the two sides of front frame(bottom border) and use the safety hook and lock nut for fixing.

Assemble the disc brake on the brake fixing plate and lock it with screws and spacer as shown in Figure 6. (Figure 7 is finished.)

Note: Disc brake spacer can be chosen use or not use according to the distance between disc brake disc and disc brake plate.

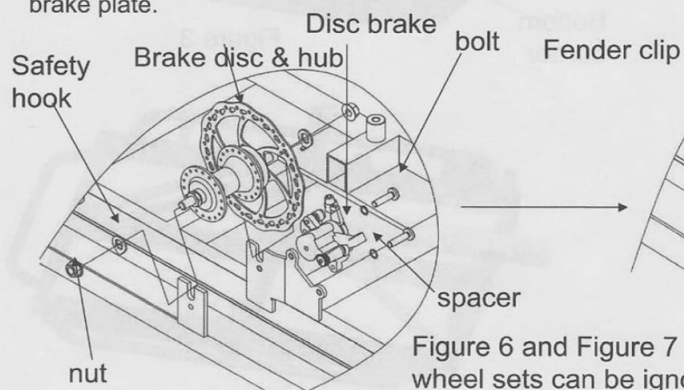


Figure 6

Figure 6 and Figure 7 the wheel sets can be ignore.

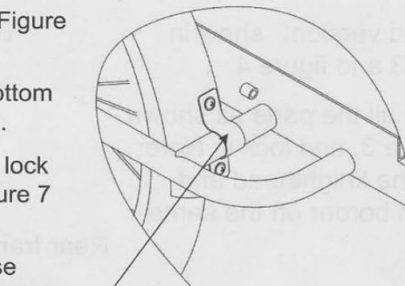


Figure 5

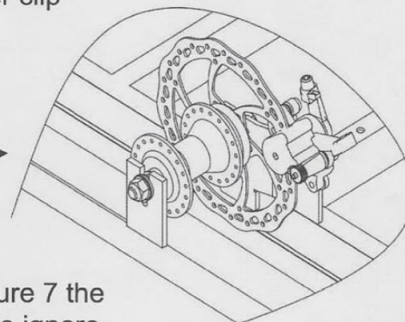


Figure 7

10

B. When use the roller brake

Assemble the fenders on bottom border as shown in Figure 5 and fix the fender clip. And then attach the roller brake onto the wheel hub with lock nut for fixing.

Put the front wheels on the two sides of front frame(bottom border) and fixing the roller brake end at fixing space. Adjust the brake and lock it with brake lock nut.

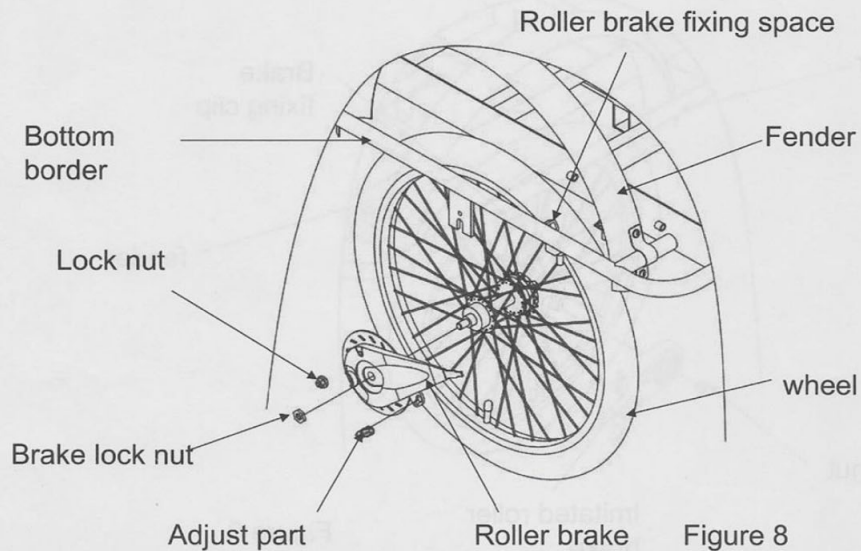


Figure 8

11

C . Assemble the imitated roller brake

Assemble the fenders on bottom border as shown in Figure 5 and fix the fender clip. And then attach the imitated roller brake onto the wheel hub with lock nut for fixingn as shown in figure 9. Put the front wheels on the two sides of front frame(bottom border) and fixing the imitated roller brake end at fixing space. Adjust the brake and lock it with brake lock nut.

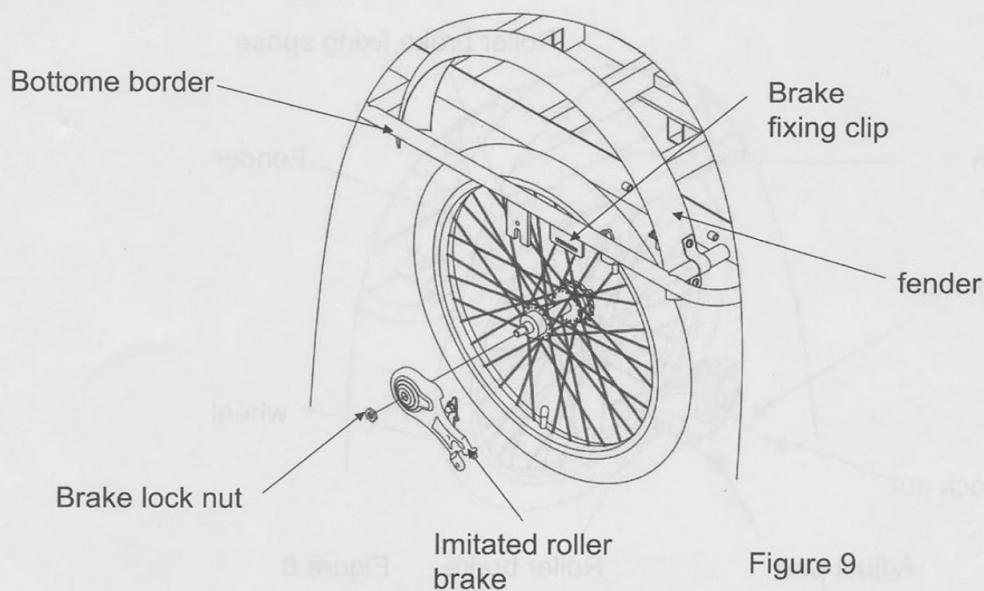


Figure 9

12

D . Assemble the V brake

Assemble the fenders on bottom border as shown in Figure 5 and fix the fender clip. Attach the V brake onto the V brake seat and lock it with V brake fixing bolt, adjust the brake cable and fixing it.

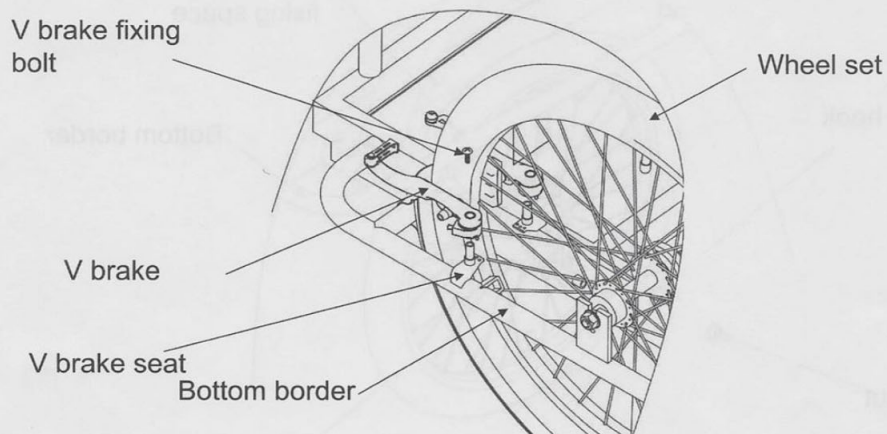


Figure 10

13

E. Assemble drum brake

Assemble the fenders on bottom border as shown in Figure 5 and fix the fender clip. Put the two front wheel onto both sides of bottom border and fix end of drum brake on the drum brake fixing space, lock it with the lock nut and safety hook. Adjust the brake cable and lock it shown in figure 11

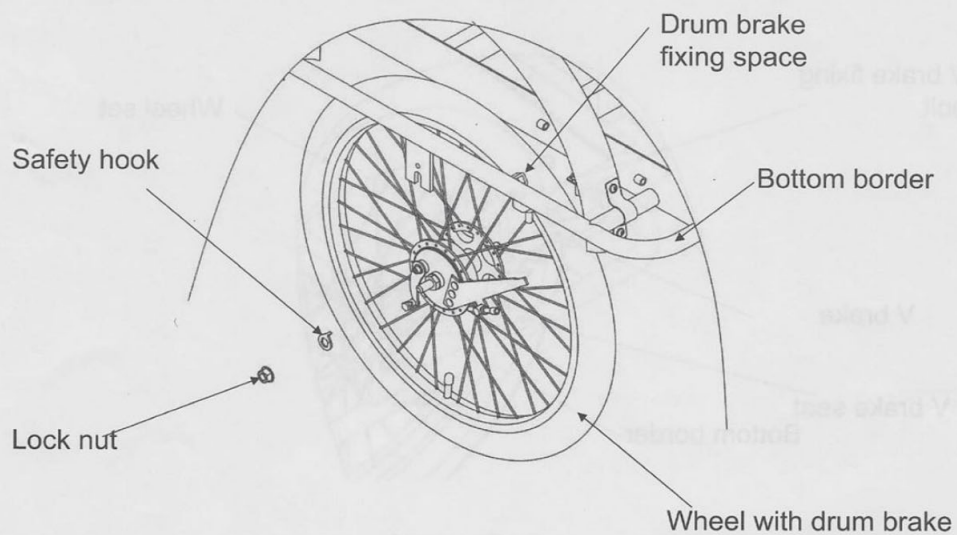
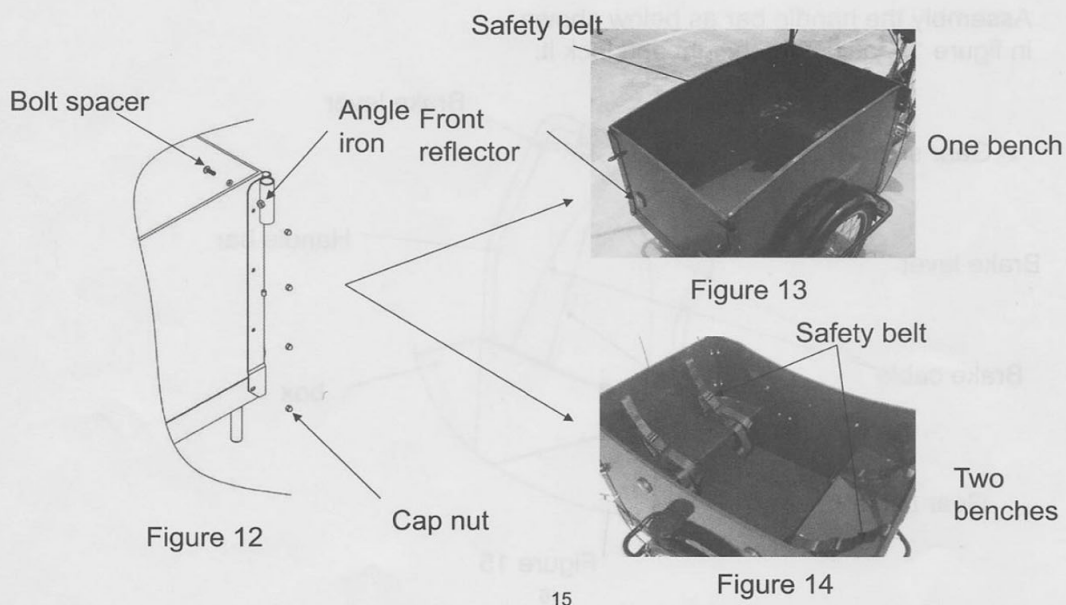


Figure 11

14

3. Assemble the box

Assemble the front box onto the front frame (bottom border) as shown in Figure 12 and Figure 9 with screw fixing. Fixing the safety belt and front reflector on the box

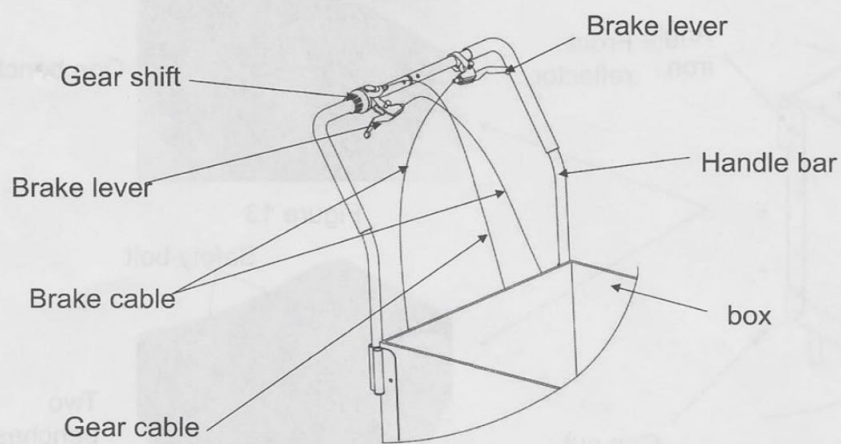


4. Assemble handlebar

Normally use two kinds of handlebar according to customer's request.

U- type handle bar assembly

Assembly the handle bar as below shown in figure 15, adjust the height and lock it.



If use below handlebar

Assembly the handle bar as below shown in figure 16 and figure 17, adjust the height and lock it.

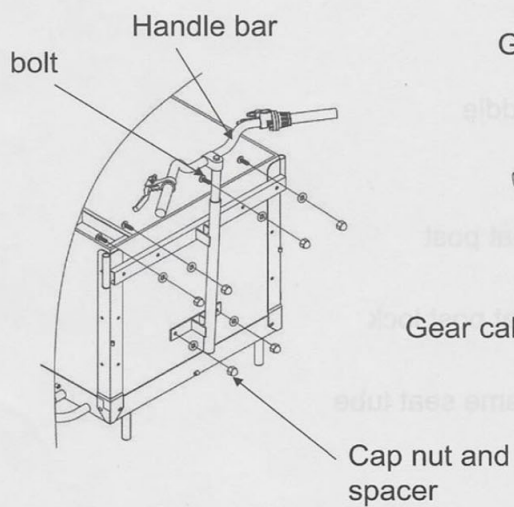


Figure 16

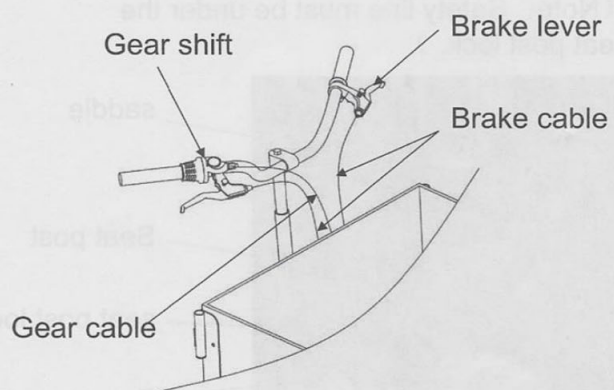


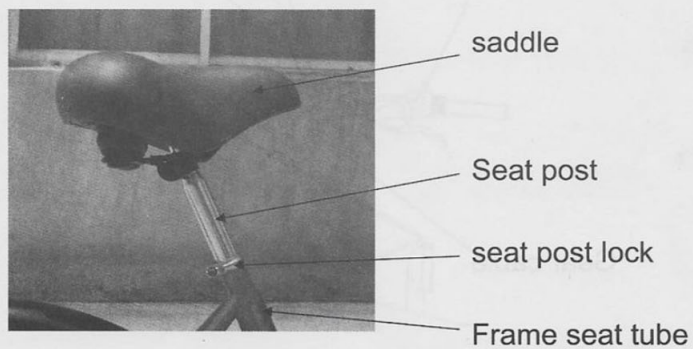
Figure 17

17

4.Saddle assembly

As shown in figure 18, Insert the seat post into the saddle and lock it, and then put another side of seat post insert into frame seat tube and fixing the seat post lock.

(Note: Safety line must be under the seat post lock.)



Figur18

18

Owner's Manual

Warnings

Failure to obey all of the warnings and instructions contained in this manual may result in serious injury, permanent damage to your CARGO BIKE, or legal problems.

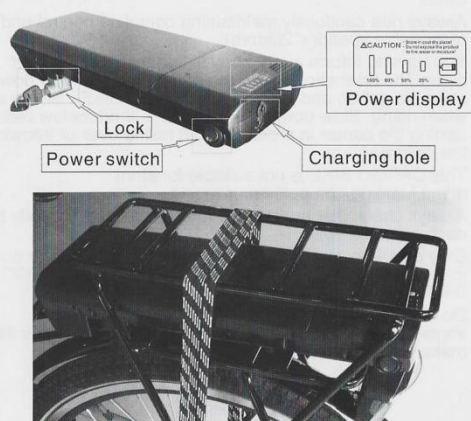
- Always wear a properly fitted and fastened helmet when riding. This is required by law in most states and is an important safety precaution. Failure to wear an approved safety helmet can result in severe injury or death.
- Always obey all traffic laws.
- The purchaser, owner, and/or riders of this CARGO BIKE are directly responsible to know and obey all local, state, and federal laws regarding the riding and use of this CARGO BIKE.
- Always ride cautiously, maintaining complete control and a reasonable speed (<20km/h).
- You have to inform every body sitting that you will start riding. The rider should hold the handlebar and slow down the speed to get on and take off the CARGO BIKE. Sitting well when riding. Slow down the speed to 10km/h below before turning the corner in order to avoid rolling over or throwing out the children.
- This CARGO BIKE is not suitable for stunt riding, jumping, competition, or racing.
- Always check that brakes and throttle function properly before each ride.
- Only one rider at a time. Carrying more than 4 kids or objects in the box may interfere with your control of the CARGO BIKE, and can result in loss of control.
- Do not ride at night or in conditions when visibility is impaired, unless you install head lamps and tail lamps that make you visible to all pedestrians and vehicles.

www.promarke.cn

- Wet weather significantly detracts from brake performance. You will need more distance to safely stop in the rain, or on a wet or icy street.
- Always with kids come and down from the cargobike, and help kids with the helmet..
- This product should not be used by minors without adult supervision.
- The products cant be allowed to make any modication.
- Do not tow, pull or be towed or pulled with the CARGO BIKE.
- Keep fingers away from moving parts and belt.

ALWAYS WEAR A HELMET.

1-1 Battery



2

Specifications Of The Power Battery Pack

I. Product name, specifications and package:

Product Name	Specifications	Unit	Package
Li-ion battery	24V/8.8Ah 24V/6.6Ah 24V/4.4Ah	Pack	As actual package delivered
	36V/8.8Ah 36V/6.6Ah 36V/4.4Ah	Pack	

II. Application:

This power battery pack is applicable to the electric bicycle with rated power of electric motor less than 250W.

III. The technical parameters of environmental-friendly smart li-ion rechargeable power battery pack:

1. Rated Voltage: 24V/36V
2. Max Voltage: 29.4V/42V
3. Max Discharge End-Voltage: 21V/30V
4. Rated Capacity: No less than 8. 5/6. 5/4. 3Ah under normal cycle run.
5. Standard Charging: Under temperature range 15~25℃, use 0.3C current and 29. 4/42V to charge. Charging stops when the charging current decreased to 200/198/130mA.
6. Standard Discharging: Under temperature range 15~25℃ use 2.64/1.98/1.32mA current and 42V to discharge. Discharging stops when the voltage decreased to 21V/30V.
7. Charging Input Voltage: 29.4V~29.8V/42V~42.5V
8. Charging Input Current: Not exceeding 2A
9. Over-charge Protect Current: 20A±2A
10. LED Indication (See below table)

LED Status	LED 1 on	LED 1.2 on	LED 1.2.3 on	LED 1.2.3.4 on
Voltage	20.8V/31.55V	25.6V/36.77V	26.4V/37.46V	27.8V/38.91V
Capacity	0%~30%	25%~60%	50%~80%	70%~100%

3

Operation Instruction Of The Power Battery Pack

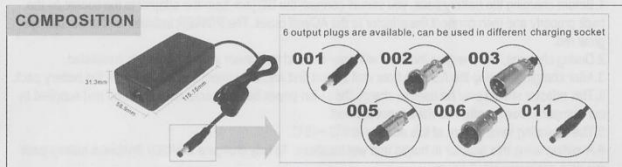
1. Charge the battery pack before use. Please refer to the user manual of the Adaptor.
2. Place the battery pack properly and safely on the bicycle's battery rack.
3. Connect the power cable of the electric bicycle to the output socket of the battery pack and tighten the screw-lock to secure the connector.
4. Switch on the power by turning the key lock of the battery pack to "ON" position and the power on indicator light on the electric bicycle will turn on. The bicycle is ready for use.
5. Switch off the power by turning the key lock of the battery pack to "OFF" position when the electric bicycle is not in use.
6. Use the battery pack at the temperature range of -20 ~ 50℃. The running mileage will be less than normal if the battery pack is being used out of this range.
7. Should the electric bicycle be placed under open area from long period, the battery pack should be dismounted from the electric bicycle to avoid it from exposing to sun and rain for prolong period.
8. The LED indication and its relationship to the remaining capacity of the battery pack, please refer to the Battery Specification of this booklet. When the power of the battery pack is totally consumed, it will turn off automatically to avoid damage.
9. Store the battery pack in cool, dry and ventilated place with temperature between -20~40℃.

Warning

- I. If the battery is found overheating, leaking, deforming, giving out odd smell and smokes, stop using the battery pack immediately. Put it in open area and away from the crowd.
- II. The battery pack is designed for using with the designated electric bicycle. Do not use the battery pack on other applications.
- III. Use only the specified adaptor to charge the battery. It is prohibited to use adaptor not certified by our company for charging to avoid damaging the battery pack.
- IV. Do not place the battery pack over the radiator or any heated objects, particularly microwave oven and high-pressure container, to avoid the heat from damaging the battery pack. It is also important that the keep the battery pack way from reach by children.
- V. For extended storage of the battery pack, it is recommended that you charge the battery with 30%~50% capacity, i.e. with 2~3 LEDs on. Repeat the same procedure every 4 months. Totally discharged battery should be recharged immediately afterwards.
- VI. If the battery pack or adaptor is found defective, please return it to our Service Center for repair immediately. Please do not attempt to open the casing of the battery pack and the adaptor to avoid hazard or damaging the parts inside. Warranty will be voided if the battery pack or the adaptor is found being opened.
- VII. Do not use gasoline and other chemical solvents to cleanse the casing of the battery pack and the adaptor. Use soft cloth to wipe clean any water or dirt on the surface of the battery pack and the adaptor.
- VIII. Do not place the battery pack at exposed environment for long period of time to avoid rain and strong sunlight damaging the battery pack.

4

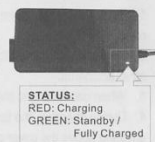
COMPOSITION



SPECIFICATIONS

Model	ACK2804	ACK2812	ACK4201	ACK4211
Application	For 24V / 20Ah Li-Ion Battery	For 24V / 20Ah LiFe Battery	For 36V / 20Ah Li-Ion Battery	For 36V / 20Ah LiFe Battery
Input	100-240V~50/60Hz 1.2A (MAX)	100-240V~50/60Hz 1.2A (MAX)	100-240V~50/60Hz 1.2A (MAX)	100-240V~50/60Hz 1.2A (MAX)
Output Voltage	29.4VDC \pm 0.3V	28.8VDC \pm 0.3V	42.0VDC \pm 0.5V	36.6VDC \pm 0.5V
Output Current	1.5A \pm 0.2A	1.5A \pm 0.2A	1.35A \pm 0.2A	1.35A \pm 0.2A
Output Power	Max. 45W	Max. 45W	Max. 60W	Max. 60W
Color	Black			
Measurement	115.15 x 68.9 x 31.3 mm Length of DC Output Cord: 1.8M			
Weight	Approx. 365g		Approx. 280g	

LED INDICATOR



The LED Indicator will show the status of the Battery Charger.

POWER CORDS

We have 5 types of AC Power Cord for choice:



Provided with a molded-on, non-polarized attachment plug with a 15A, 125V or 250V configuration, and a molded-on connector mated with the Power inlet

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS
DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
CAREFULLY FOLLOW THESE INSTRUCTIONS

For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet, if needed.

Basic Cord Type	Other Suitable Types
ST	STO
SP-2	SPE-2, SPT-2
SP-3	SPT-3
SV	SVE, SVT
SJ	SJE, SJO, SJT, SJTO
S	SE, SO, ST, STO

3 x 18 AWG, minimum rated 300 V,
105degC, VW-1, minimum 1.8 m

User Manual Of The Adaptor

1. Before charging the battery pack, you should connect the DC jack from the adaptor to the socket on the pack properly and then connect the adaptor to the AC wall outlet. The POWER indicator on the adaptor will glow red.
2. During charging, the charging indicator will glow red and turn green when charging is completed.
3. After charging, unplug the AC plug from wall socket first and disconnect the DC jack from the battery pack.
4. This adaptor should only be used to charge the Li-ion power battery packs manufactured and supplied by our company. Use for other devices is not allowed.
5. The operating temperature of this adaptor is 0°C ~45°C.
6. Avoiding using this adaptor in humid and wet locations. To fully charge a 24V/36V 9Ah Li-ion battery pack requires approximately 5 hours.
7. Do not allow water to go into the adaptor.

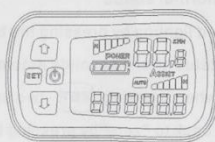
➤ Warning










1. Do not attempt to open or modify this unit. All work should be carried out by authorized service personnel only.
2. Use only with compatible batteries, Charging non-compatible batteries may cause fire, electrical shock or other accidents.
3. When connecting to the battery, be sure the DC output plug is connected to the charging socket firmly.
4. During charging, the temperature of the charger will rise, this is normal and not a malfunction. Do not put anything above the cover of the adaptor. Do not place inflammable substances within the distance of 30cm from the adaptor to avoid danger.
5. A short circuit between the plus (+) and minus (-) charger pins may cause fire, electrical shock or other accidents. Make sure that the charger= connector is isolated from any metal parts when a battery is not connected.
6. Only use the Ac power cord included with the charger or the ones specified.
7. Stop charging immediately if charging does not complete in designated time. In case of abnormal smell, leak or case deformity during use, turn off the power and unplug the cable from socket to avoid possible injury.
8. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
9. Children should be supervised to ensure that they do not play with appliance.
10. Never attempt to charge non-rechargeable batteries. It might explode!
11. See instruction manual for use in countries other than the U.S.A.
12. Risk of injury. Charge only Li-ion/FeLi type rechargeable batteries, other types of batteries may burst causing personal injury and damage.










1-3 LCD control panel

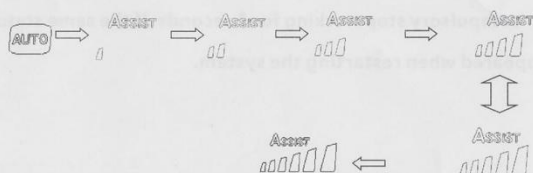
Button and indications
















- 1/  is switch button of system.when pressing the button  to turn on the power supply,there will be appeared TOTAL ODO , speedometer ,Automatic function ,Buttety charge level , or Assist lowest rate  and highest rat , output power rate of battery  in LCD display panel .

- 2/  button,  button: The function can be switched easily according to customer's requirement while pressing   ,  button is add the power,  button is reduce the power. Totally in 6 level, after reduce 6 level, the seventh press would be automatically function  .

Display as blew signs!



- 3/ There are 3 functions for button  at present.
- (1) The background lighting  of LCD panel will light up by touching the button  one time at normal status.
- Adjust 5 levels of background lighting by pressing the button of  .
- It will return to the cycling status after 5 seconds automatically.
- (2)  will be lighted up when pressing  two times.
-  Resetting back to "zero" by pressing button .
- (3) Set wheel size when  been lighted up through pressing the button  continuously for 10 seconds. Setting 14"~30" under the speed display range. (Only professional person can use this function)
- 4/  is fault indicating code.

There are 02~09 malfunction indicator status under original speed range when  flashing.

- (1): When showing "02" code .It means controller system be Checked out strong current protection.

If you met the same status when restarting system. That means the power semiconductor inside controller be damaged .

- (2): When showing "03" code .It means 3 phases wire be shedded and loose or compulsory stop working for 2 seconds .If the same status be appeared when restarting the system.

1-4 Operation and Safety

- Take time to familiarize yourself with your CARGO BIKE.
- Always observe all traffic regulations.
- Always park in right place.
- Avoid high speed sharp turns, as your CARGO BIKE may tip over.
- Make sure that there is an enough braking distance when with carried. Must use rear brake every time when braking.
- Some localities require that the owner or rider equip their ELECTRIC CARGO BIKE with a horn, bell, or other sound making device to use for warning others of your approach.
- Check handlebar and seat adjustments before riding.
- Check all axle, motor mounting, and drive system mounting nuts.
- Check your tires for cuts, exposed casing cords, and proper inflation before each ride.
- Check your helmet for proper fit and damage before each ride. NEVER RIDE WITHOUT A HELMET.

1-5 Circuit interconnect pattern

