E-Töffli Power







Main components

Name of E-bike E-Töffli Power Length 1770mm	•	-Töffli Power	
Length 1770mm		E-Töffli Power	
		1770mm	
Width 680mm		680mm	
Height 1050mm		1050mm	
Wheelbase 1200mm		1200mm	
Height above 120mm		120mm	
ground			
Seat height 730mm		730mm	
Capacity one person		one person	
Weight 59kg		59kg	
Range 35km		35km	
Climbing ability 6 degree	1	6 degree	
Motor type Brushless		Brushless	
Rated output 800w/1000w		800w/1000w	
Rated torque 12N.M		12N.M	
Battery type lead acid battery/lithium battery	lea	lead acid battery/lithium battery	
Battery voltage 48v(12v* 4)		48v(12v* 4)	
Battery capacity 12Ah/17Ah	/	12Ah/17Ah	
Battery driving sealed maintenance-free battery	sea	sealed maintenance-free battery	
Low voltage protection value 42V	n	42V	
Value over current 17A protection		17A	

Broko	Front	front 9 room drum brook	
	Back	front & rear drum break	
Tiro oizo	Front	2.125-18/2.5-18	
Tire size	Back	2.125-18/2.5-18	
Tire pressure	Front	250kPa(2.50kgf/cm2)	
The pressure	Back	270kPa(2.70kgf/cm2)	



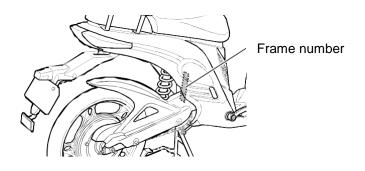
Vehicle Information

Vehicle Information

Frame number

Frame number is the special number for the vehicle.It will be used in insurance.repair.routine attention.

Frame number is which the arrow points to



Name of E-bike	E-Töffli Power
Frame number	

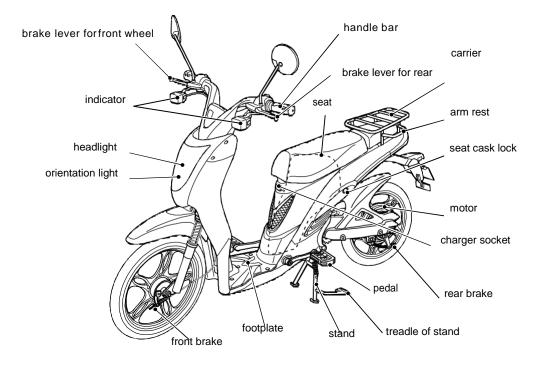




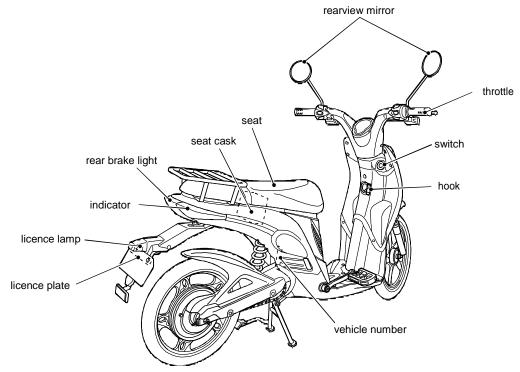
The name for spare parts and using instruction

Spare parts

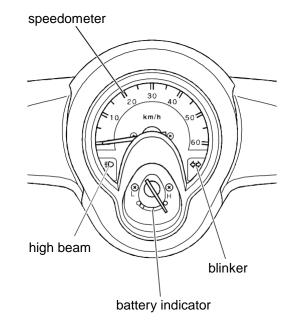
The view of vehicle(Front)



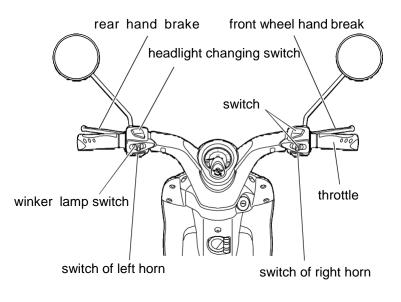
The view of vehicle(Back)



Meter and Switches



Around the handle bar









How to use the key

The key is used to switch on the bike and lock the compartment under the seat,it's important,please keep it safe and don't lost it.

This vehicle is equipped withtwo keys, please keep one of them well, so that you can reserve. if lost or damage, please replace that with following parts.

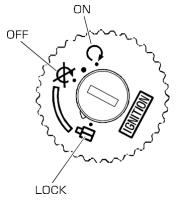


√!\ Notice

Please attention when you use the metal k e yc ha i n ,do n' t us e m o r e t ha n t w o keychain,in order to avoid scratching surface of bike,you had better use cloth keychain.

Main switch entity

main switch:start power(ON/OFF) steering wheel lock(lock/unlock)



Power ON/OFF

0

When the key is in this place, the headlight, Instrument light, blinker, tail light and Licence light can use, if mot or supply power normally, this e-bike can start.

OFF

When the key is in this place, the headlight, instrument light, blinker, taillight and licence light extinguish, power stop, e-bike can't keep riding, at this time you can take out the key.





At times like this

Trouble shooting

How to resolve the symptoms which need repaired, given to the nearest repair shop, or please contact with service center.

Symptom	Reason	How to solve
Can't charge the power	The plug of the charger is off	Whether the charger connect well according to the instruction.
	The fuse of the charger is cut off	Change the fuse accroding to the instruction.
	The charger is broken	The charger need to be repaired.
	The fuse of the battery is cut off	Change the fuse of the battery.
	The electrical system has an unusual	The electric wire,connector,return circuit need to be repaired.
Exclusive use charger can't charge enough in 12 hours (The safety green light is not lighted)	Can't charge enough	Long time not use after the first charge,the charging time will be longer,please charge enough in one time.
	The function of the battery is low	Need to replace the battery, the life of the battery is connect with the driving distance.
	Wrong way to charge	Please refer to the charging instruction.
	The setting of the charger doesn't match	Please refer to the charging instruction.



Symptom	Reason	How to solve
The scooter is not moving when the switch is on.	The fuse of the battery is cut off	Change the fuse of the battery.
	The electrical system has an unusual	The electric wire,connector,return circuit need to be repaired.
When the switch is on,the head light and horn is normal,but the motor doesn't work.	Brake lever cannot get back to its original position	If the brake lever can't get back to its original position when it is not used, pleaseturn offthe headlight, cut off the battery, then the brake lever will recover.
	Vehicle dynamic system, electrical system fault, please repair (motor, etc)	Need to be repaired
When the switch is on,the motor is normal,but the head light and horn doesn't work.	The electrical system is fault	Need to be repaired
Can't speed up.	Without using of special charger to charge	Please use exclusive use charger
	The remain battery power is small, can't speed up	Please use exclusive use charger
	The using period of the battery is finished.	Due to the different speed, different driving conditions(loading,wind load etc)

Symptom	Reason	How to solve
Can't speed up	The using period of the battery is finished.	Need to replace batteries. The life of battery is different according to the driving condition.
	Without using of special charger to charge	Please use exclusive use charger.
	The charging time is not enough	He indicator lights of the charger shows green,the battery is full.
Driving distance shortened	The fuse of the charger is cut off, can't charge any more	Please transfer the charger to normal refer to the charger instruction.
	External temperature is low	It is most suitable for using the vehicle in 10 $^{\circ}\mathrm{C}\sim30^{\circ}\mathrm{C}$. It will shorten the life of the battery in cold weather.
	Overload driving	The driving range and speed of the vehicle will be different according to the different driving condition (loading,wind load,etc).
	The pressure of the tyre is under-inflation	Please adjust the pressure of the tyre to normal.
	The pressure of the tyre is under-inflation	Need to replace batteries. The life of battery is different according to the driving condition.







Symptom	Reason	How to solve
The driving distance shortens	The battery faults	Please change the battery.
The throttle is not operative (speed instability, the brake statement is faulty in driving)	The power of the battery is less,the voltage of the battery is not enough	Please use exclusive use charger.
coomen and any meaning /	The throttle is unnormal(The throttle doesn't work,too loose,or too tight,the connector losts	Please repair.
	It inflows when driving in the puddle	Please dry the wet part of the bake.
The brake is unnormal	The brake regulator is not adjusted fully	The braking effect is influenced by the adjusting the brake regulator.
	The brake pads finishes life	Change the brake pads.
Stops suddenly when driving (throttle don't work)	The battery meter shows charge to low	Please use exclusive use charger.
	The voltage of the battery is unnormal,the fuse is cut off	Change the fuse of the battery.





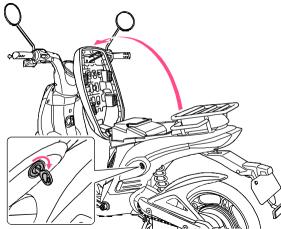
Symptom	Reason	How to solve
Pedal idling	 Chain losts Chain snaps The power transmission unit like gear is faulty	Need to be repaired
The pedal is not turning	The position of the pedal and crank is not correct	Please adjust the crank and pedal in correct way
The pedal is lost in the driving	The screw which assembling the crank and pedal is loose The pedal is assembled in the opposite	Please repair if can't adjust the padel and crank correctly

Change the fuse

The fuse of battery

When replacing the fuse, be sure to close the vehicle power, and don't conncet the battery wire, if so, it may be short and will be dangerous.

- 1 To open the seat, please put the keyinto the lock under the seat and turn right.
- 2 Open the seat from the behind slowly.

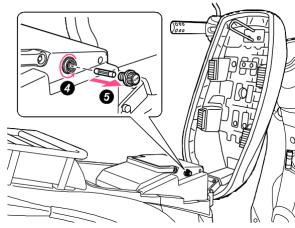


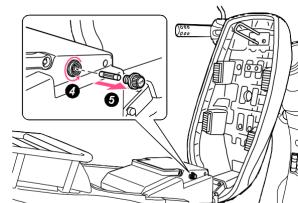
3 Take off the wires of the battery.

(12)



- 4 Take off the nut of the fuse.
- **5** Change the fuse





Position Lamp

Take off the screws which fix the position lamplens.

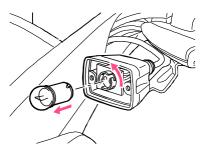
Change the bulb

2 Take off the position lens.



3 Change the bulb

The headlight bulb can be taken off by turning the bulb opposite.

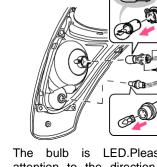


Headlight bulb

1 Take off the headlight lens.



- 2 Change the position lamp bulb.
- 3 Take off the screws which fix the headlight lens.



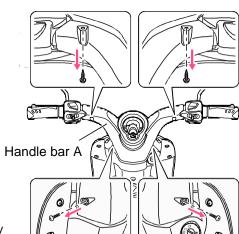
is LED.Please pay attention to the direction of the bulb.Please test it after changing,if it is not lighting, try to turn opposite.

/ Attention

Replace the bulb, pay attention to the positive and negative, if opposite, the high beam and low beam will be opposite, it will be dangerous.

The speedmeter light

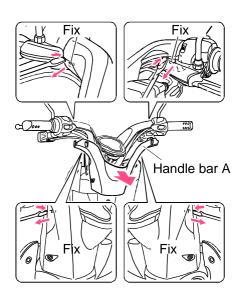
1 Take off the screws which fix the speedmete.



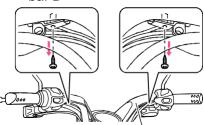




2 Take off the plastic parts of the handle bar A.There is 4 fixing hasps on the plastic parts.Put the screwdriver into the certain hasps and it is easy to take off the hasps.

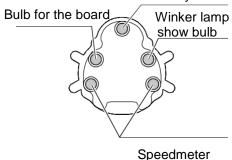


3 Take off the screws of the handle bar B

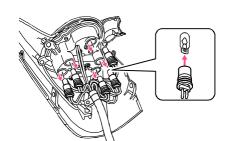


Battery show

The bottom view of the speedmeter



- Handle bar B
- 4 Take off the plastic of the handle bar B.
- **5** Pull off the plug at the bottom of the board, change the bulb.



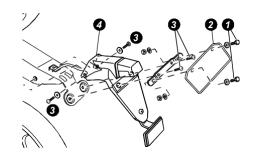
- bulb for the board×3 (speedmeter,battery show)
- High beam×1
- *Winker lamp show bulb×1

Attention

If there is free wire connections, please don't connect wires, lest it will damage the vehicles.

Licence lamp

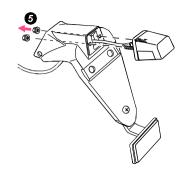
- 1 Take off the screws which fix the licence lamp.
- 2 Take off the licence lamp.
- 3 Take off the screws which fix the rear fender.
- 4 Take off the rear fender.



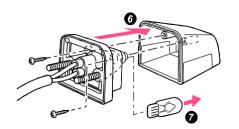
5 Take off two nuts which are inside | Tail light of the rear fender.

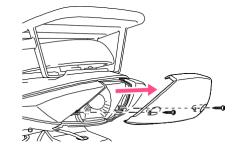


Take the lamp from the rear fender. Take off the screws which fix the tail light.



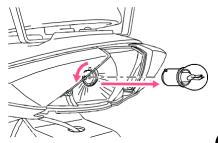
- 6 Take off the lens.
- Change the bulb.





2 Change the bulb.

Turn the bulb opposite and take it off. Install the bulb, turn the bulb clockwise.



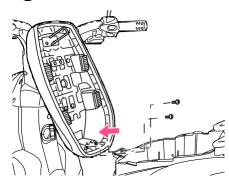




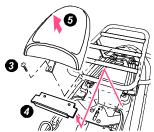
Rear winker lamp

Please take off the battery when changing the rear winker lamp.

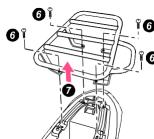
- Take off the screws which fix the seat.
- 2 Take off the seat.



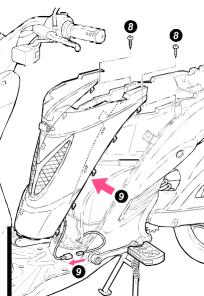
- Take off the screws which fix the rear seat.
- Take off the plastic parts in front of the rear seat.
- **5** Take off the rear seat.



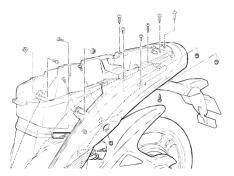
- Take off the four screws which fix the rear rack.
- **7** Take off the rear rack.



- 8 Take off the screws which fix the body cover under the seat.
- Take off the connecter, take off the seat cover.



Take off the all the screws which fix the plastic parts.



- Take out the wires with pliers, the front of the wires need to be fixed.
- Take off the cover carelly and softly, or it will damage the cover.

/!\ Attention

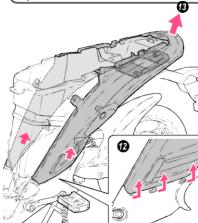
Move to add Saidokauru excessive force, may be broken Saidokauru claws.

Take off the body cover.

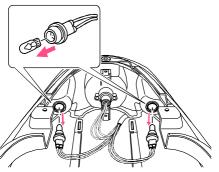


Attention

it is impossible take off the body cover completely because the wires is fixed together.



Pull of the plug, change the rear winker lamp.



/ Attention

This manualis only for reference. The exact condition please according to the vehicle.





