Yotsuba moto WOOF

Instruction manual and warranty

Thank you for purchasing Yotsubamoto WOOF.
Please store this instruction manual and warranty form in a safe place for the duration of possession of the product, as this manual describes the setup, method of use, storage method of the product, etc.

DIRTFREAK

1. About Yotsuba Moto WOOF

Yotsuba Moto is a motorcycle brand that began in 2017 with the launch of the Meow series of electric bikes produced by Dirtfreak Inc. and designed to be safe and fun for children as young as 3-4 years old.

The WOOF is the perfect step up bike for riders who are already familiar with the Meow. Of course, it is also designed to be familiar to riders who are 7 to 8 years old or older and are new to riding.

Helmets must be worn when riding. It is recommended to wear long sleeves, long pants, boots, and elbow and knee protectors. Please start riding safely under the watchful eye of guardian.

CAUTION

The Yotsuba Moto WOOF is classified as a competition *motorcycle.*

Never drive on public roads.

2. Checking the enclosed parts

The following contents are inside the package.

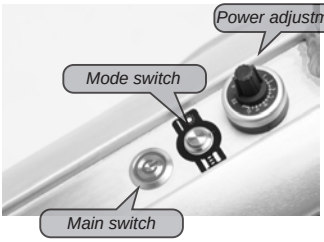
※The image shows WOOF16.

① *Main unit*
② *Front wheel & nuts, hardware*
③ *Handlebar*
④ *Rear fender*
⑤ *Seat*
⑥ *Foot pegs*
⑦ *Battery lock key*
⑧ *Number plate*
⑨ *Battery charger*
⑩ *Front fender*
⑪ *2 sets of decals (6 sheets)*

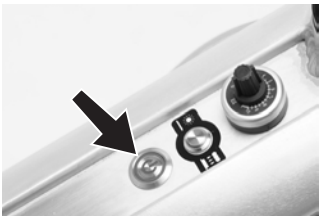
The tools used for assembly and adjustment are not included.
Tools required are as follows.
Spanners, Wrenches 8mm, 10mm, 14mm, 15mm, 22mm
Philipps screwdriver No.2
Hexagon wrenches: 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 10mm
A plastic hammer
Air pump for wheel (with a small tip)

3. Name of each part

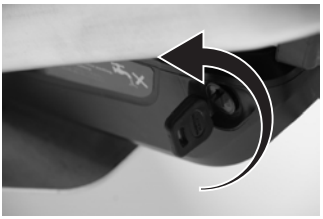
※*The image shows WOOF16.*



4. Charging the battery



Make sure that the main power is off (unlit).



Insert the key into the cylinder on the right side of the battery and turn it 180° to the left to unlock it.

Slide the battery forward to remove.

※Charging can be done either with the battery mounted on the vehicle or with it removed.

Plug the charger terminal into the port on the left side to start charging. Make sure that the indicator light on the charger is lit red.
When the indicator light turns green, charging is complete. The estimated charging time is 3 hours.

Align the groove on the body with the claw on the battery, and push the battery into the rear of the bike as if sliding it in.

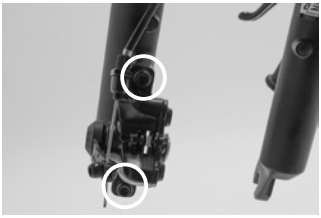
The battery can be locked by turning the right key cylinder 180° to the right; if it cannot be turned 180°, check if the battery is not pushed in far enough.
Please remove the key after locking.

CAUTION

・Be sure to use the dedicated charger included in the package.
・When charging outdoors, do so in the shade. When charging outdoors, do so in a shady place and keep out of the rain.
・The charger is equipped with an overcharge protection circuit, but for safety reasons, remove the charger as soon as charging is completed.
・The cord that comes with the charger is a dedicated one. Do not use other cords.

5. Assembly and Adjustment

1) Installing the front wheel



Use a 5mm hex wrench, loosen the brake fixing bolt and make sure that the brake caliper can move left and right.

Install the front wheel on the fork. Make sure that the brake disc goes between the brake pads.

Install the washer on the axle and tighten the nut to secure it using a 15mm wrench.

2) Install the handlebar

Use a 4mm hex wrench, loosen the bolt and remove the stem clamp.

Align the handlebar and install the stem clamp. The bar should lie slightly more forward than vertically. And fix it.

Use a 5mm hex wrench, loosen the clamp bolt on the column side, straighten the handlebar, and secure it again.

3) Selecting the swing arm position

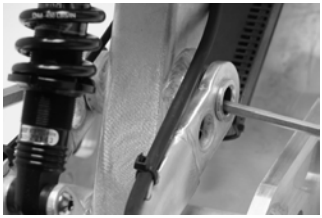
The swingarm is mounted in "the motocross position" when opened. The lower ride height, longer wheelbase and laying down front forks are suitable for riding at speed.
"The trial position" is a relatively low speed dimension suitable for tight turns, front up and other actions. It can be easily changed, so try to use it in different parks. Here is an example of changing from the motocross position to the trial position.

MOTOCROSS POSITION

TRIAL POSITION

Place the bike on the platform and lift the rear wheel.

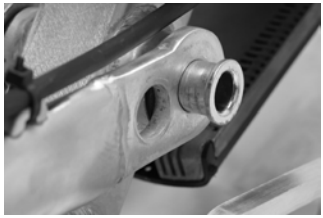
Remove the black rubber cap.



Insert a 6mm hex wrench into the right side of the swing arm pivot and loosen the bolt at the back. If the vehicle is turning, insert a 10mm hex wrench into the left pivot and attach it.

Use a 6mm wrench to loosen the bolt on the right side and push it in with the wrench, or the pivot part on the left side will be pushed out.
If it is too hard, use a plastic hammer to hit the wrench.

Continue to pull out the left side part.



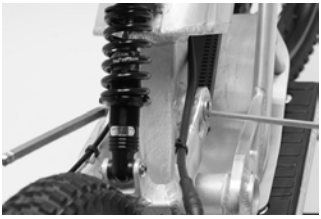
From the left side, push in a 10mm hex wrench to push out the right side pivot part, and pull it out in the same way as the left side.
If it is too hard, use a plastic hammer to tap the wrench.

Shift the swing arm to align the rear hole with the pivot hole.

Insert the pivot part on the right side.

Continue to push it all the way in. If it is too hard, tap it lightly with a plastic hammer.

Insert the left side pivot part and push it all the way in.
If it is too hard, tap it lightly with a plastic hammer to insert it.

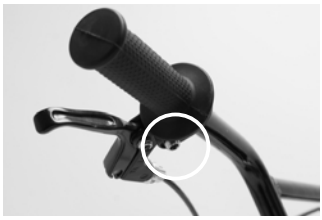


Insert a 10mm hex wrench into the left side, insert the bolt from the right side, and tighten it with a 6mm hex wrench.

Make sure that the pivot parts are inserted all the way and that there are no floating or gaps.
Finally, install the rubber cap.

4) Adjusting the lever position (common to both left and right)

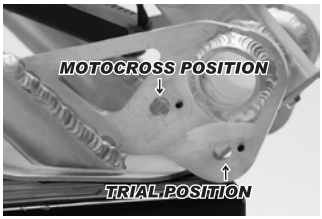
Use a 2mm hex wrench, turn the screw shown in the illustration to adjust the proximity of the lever to fit the size of the rider's hand.
The tighter you tighten the lever, the closer the lever position will be. (It cannot be farther than the initial position)



Use a 5mm hex wrench, loosen the bolt shown in the illustration to adjust the lever height.
Set it slightly lower than horizontal, make fine adjustments according to the rider's preference, and fix it again.

If the lever interferes with the throttle case when adjusting the lever height, loosen the screw shown in the illustration with a 2.5mm hex wrench, rotate the throttle, and attach it in a position where it will not interfere.

5) Install the foot pegs



Insert the foot pegs into the forward holes for the motocross position and the rear holes for the trial position.

The pegs are different for left and right. Install the foot pegs so that they can be tipped to the rear of the vehicle.

Align the foot pegs so that the small holes on the foot pegs can be pierced by the immersion screws.

Insert the washer from the back side and tighten the nut using a 14mm wrench.

6) Inflate the tires

Inflate the front and rear tires; in the case of the WOOF16, the rear tire has a small space to work in, so it is easier to use a pump with a smaller tip or an adapter like the one shown at right.
Recommended air pressure: 200~250 kPa

7) Installing the front fender

Remove the bolt temporarily inserted into the front fork, and place the mounting hole of the front fender against the arch of the fork.

Insert the bolts from the front and rear and secure them using a 10mm wrench.

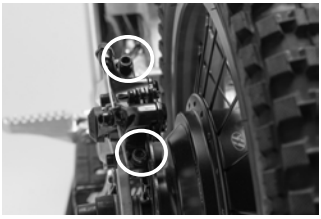
8) Installation of the number plate

Use a screwdriver to remove the countersunk screw.

Place the plate against the frame, make sure that the throttle wire is placed in the vertical groove in the center of the back of the number plate.

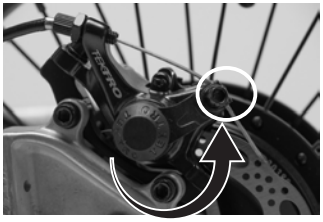
Tighten the countersunk screw that was removed earlier to secure the number plate.

9) Adjust the brakes (same for front and rear)

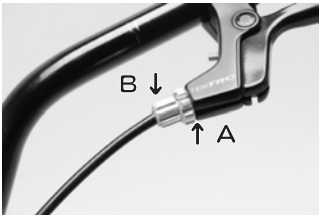


To optimize the left and right positions of the brake calipers, use a 5mm hex wrench to loosen the caliper fixing bolts and set them in a temporary position.

Grab the brake lever to make the brake caliper pinch the disc, and then tighten the fixing bolts. Tighten the upper and lower bolts alternately.



Loosen the bolts securing the wire, move the brake arm upward, and re-tighten the wire when the gap between the brake pad and the disc is about 0.5mm.



Loosen the nut on A, and rotate B to fine-tune the brake's effective position. Turn clockwise to get closer and counterclockwise to get farther. Once the position has been determined, tighten the nut on A to secure it.

CAUTION

If the brake pads are not fully acclimated to the disc, the brakes will not be fully effective. After the first ride or replacement of the brake pads, be sure to break them in gradually.
Also, keep in mind to prevent oil from sticking to the brake discs and brake pads.

10) Applying decals to the body

After cleaning the surface of the body of any oil or dirt, apply the decals by referring to the numbers shown below. There are two colors, aqua and navy, so choose the one you like best. Those without numbers are free. As for the rear fenders, apply them after the fenders are installed.

Also, the frame of this product has not been painted or surface treated. You can enhance the individuality of the product by polishing it before applying the decals, and then applying the decals after finishing it to your desired gloss.

11) Attach the rear fender

Place the rear fender on the frame and bolt it to the forward hole using a 10mm wrench.

If a seat is installed (motocross specification), the rear hole can be fixed later.
If the seat is not installed (trial model), secure the rear holes with bolts and nuts.

12) Applying decals to the rear fender and seat

Decals for the rear fender and seat are as shown in the figure.

13) Installation of Seat

Hook the protrusion on the back of the seat onto the tip of the rear fender, and push it toward the rear of the bike.

Insert the bolt from the bottom side as shown in the figure, and use a 10mm wrench to fix the seat.

6. Power adjustment dial

The power can be adjusted steplessly with the dial. Turning the dial to the left will decrease the power, and turning it to the right will increase the power.

When riding for the first time, turn the dial to the left and adjust the power as you see fit.

7. Mode switch

The mode switch allows you to change the power output at the beginning of acceleration. When the switch is pushed in (sunny mode), acceleration starts directly when the throttle is opened. This is suitable for riding on surfaces with good grip.

When the switch is back in (rain mode), the power output is gentle in response to operation, suitable for control on slippery surfaces. It is recommended to use the rain mode when riding for the first time.

The mode switch does not change the maximum speed or hill climbing performance, only the starting characteristics.

8. Main switch & indicator

When the main switch is pushed in, the indicator light will come on to let you know that the bike is ready to ride. The following is an explanation of the indicator status.

***(1) Always on** : .....Battery level is 100% to about 35%.*

***(2) Slowly flashing** : .....Battery level is below about 35%.*

***(3) Flashing in small increments** : .....Fall sensor (see below) is activated.*

***(4) Unlit** : .....No remaining battery power. The ride is over.*

9. Inspection before ride

Guardians should inspect the bike and make sure it is safe before riding.

1) *Are the front and rear brakes working properly?*
2) *Is the mode switch appropriate?*
3) *Is the power adjustment dial set properly?*
4) *Is the battery locked?*
5) *Are the tires properly inflated?*
6) *Is there any rattle in the steering wheel?*
7) *Are any of the screws loose (especially the brake and rear axle)?*
8) *Is the cover of the charging port closed?*
9) *Are there any wires caught or damaged?*
10) *Does the throttle turn and return smoothly?*

10. How to operate

1) Push in the main switch to turn on the power. The main switch will light up.

2) Check the power adjustment dial and the mode switch.

3) Remove the side stand and straddle the bike.

4) Twist the throttle toward you to drive the rear wheel according to the throttle opening.

5) When decelerating, return the throttle and grip the brake lever.

The right hand brake is for the front wheel and the left hand brake is for the rear wheel.

If the rear brake is applied strongly with the throttle open,

the power will be cut to protect the motor.

6) When you finish running, operate the main switch to turn off the power.

7) Please put the side stand on.

CAUTION

The power adjustment dial regulates the speed of the motor, but there is no engine brake, so the bike will accelerate rapidly on downhills. If you are an inexperienced rider, please choose an area with no slope for practice.

When putting up the side stand, there is a danger of pinching your fingers on the hinges, so use your feet or wear gloves.

This product is designed to be ridden by children. If an adult puts excessive load on the product, it may cause damage to the seat or fender, or abnormal noise due to spinning gears in the motor.

11. Tumble sensor

The Yotsuba Moto WOOF is equipped with a sensor that automatically cuts power to the motor when it detects a fall.
Specifically, when the machine is tilted about 60 degrees sideways, it is judged to be in a tipping condition and the power is cut. When this happens, the indicator flashes in small increments to indicate that the sensor is activated.
After a fall, the motor will not operate even if the vehicle is raised with the throttle open. If the throttle is left open after a fall, the motor will not operate. If the throttle is returned to fully closed after raising the vehicle, the sensor will be deactivated and the bike can be driven.

CAUTION

The tipping sensor is effective only in the left-right direction. In the case of the upside down condition, the sensor will not work.
When the bike is completely upside down, the sensor judges that the bike is standing and does not cut the power. In other words, if the bike is rolling forward or backward, the sensor will not cut power. In other words, if the bike rolls forward or backward and comes to a standstill in the upside-down state, the rear wheels may continue to rotate.
Guardians should keep an eye on the rider while riding.

12. Handling the battery

No washing with water

The battery is simply waterproofed, so it can be run in the rain. However, be sure to remove the battery from the body when washing the bike.
When washing the battery, wipe it with a wet rag. Also, never immerse the battery in water. Doing so may cause an electric shock or short circuit, which is extremely dangerous.
If mud or other contaminants adhere to the terminals, clean them with a toothbrush or similar tool, not with water.

Storage

Store the product in a cool place as much as possible. Storing the product in a bike in the middle of summer will accelerate the deterioration of the battery.
When not in use for a long time, fully charge the battery and store it in a cool, dark place.

Disposal

When disposing of the battery, please follow the rules of your local government for recycling.

CAUTION

- *Don't disassemble, crush, puncture, or incinerate.*
- *Don't short circuite external contacts.*
- *Don't expose to temperature 60°C (140°F).*
- *Don't dispose in fire or water.*

13. Motor (one-way clutch)

One-way clutch

The motor is equipped with a one-way clutch to allow the wheels to rotate without resistance when the throttle is turned off or when going downhill.
The ratchet of the one-way clutch may spin out of control when a sudden load is applied, or when making a sudden start from a backward position, or when landing from a jump, and a crunching noise may be generated. Continuing to open the throttle in this condition may cause a malfunction, so please loosen the throttle once the noise occurs.

14. Brake pad wear

The brakes used in this unit are bicycle-standard brakes. Since they wear out more quickly than those of ordinary motorcycles, please check the remaining pad capacity frequently. As the pads wear down, the gap between them and the disc becomes larger, and the brakes will not work as well.
It is not possible to adjust the gap between the pads on the right side by wire adjustment alone, so loosen the caliper fixing once and position it correctly as shown in timely manner 4-9.

15. If you think you have a problem

The power does not come on

Insufficient battery power: ..... Please recharge the battery.

The battery is not inserted properly. ..... Please check if it is installed properly.

Charging does not start (lamp does not turn red)

Insufficient insertion of the charger cable: ..Please check the connector of each cable.
Check the connector of each cable.

Misrecognition of battery level: ..... Once the battery has been used up until the power indicator turns off, try again.

It does not run

Check the motor cable ..... to see if it is disconnected or not plugged in properly.

No speed

Turn the power adjustment dial ..... to the right.

Insufficient air pressure in the tire: .....Inflate the tire to the recommended pressure.

Brake drag ..... Adjust the brake so that the tire turns smoothly.

Check the throttle ..... to make sure there are no foreign objects or cracks in the throttle.
It may be interfering with the operation.

CAUTION

Since it is a battery-equipped device, it may catch fire or generate heat if repair work is mistaken. Do not disassemble and repair the inside of the device by yourself.
Please contact your dealer or us for assistance.

16. Specifications

	WOOF16 ( ) = Trial position	WOOF20 ( ) = Trial position
Length	1365mm(1320mm)	1605mm(1570mm)
Width	60mm	60mm
Hight	790mm(805mm)	925mm(935mm)
Wheel base	950mm(905mm)	1095mm(1060mm)
Lowest seat hight	563mm(485mm)	610mm(525mm)
Minimum under clearance	170mm(200mm)	215mm(245mm)
Caster angle and trail	26°(23°)	26°(23°)
Frame	AL6061	←
Front suspension	Telescopic	←
Rear suspension	Swing arm	←
Front brake	Wire disc	←
Rear brake	Wire disc	←
Tire size	16×2.4	20×2.5
Weight	24.5kg	26.5kg
Motor	Brushless Hub Motor	←
Battery	48V10Ah Lithium	←
Rated output	750W	←
Maximum output	1500W	←
Charging time	3 hours	←
Mximum speed	40km/h	←
Running time	60 min	←
Acceptable body weight	55kg	←
Recommended age range	7 years old ～	9 years old ～

17. Product Warranty

The manufacturer's warranty period for the Yotsuba Moto WOOF is one year from the date of purchase. ***Please keep this manual together with the receipt or delivery note showing your purchase history.***

The warranty covers the frame, battery, charger, fork, motor, wheels, sensors, switches, charging port, throttle, wiring and connectors.
The warranty does not cover consumable parts such as tires and brake pads, exterior parts, or damage caused by falls or improper use.
The warranty does not cover batteries that have had the seal removed.
For repair parts and replacement parts, please refer to our website at https://www.yotsubakids.jp/.

Yotsuba moto WOOF

Warranty claim form

Frame number
Name *Address* *Phone number*
Authorized dealer *Address*
Warranty period a year from month date year


GO
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Yotsuba moto

WOOF

www.yotsubakids.jp

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