

# Golf Scooter Monobuggy



(Photo and equipment variations)

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# 1. PREPARATION

Congratulations!

You've acquired one of the most popular golf scooters. The most innovative and thoughtful golf scooter of his generation. In order to enjoy driving for a long time, take your time and read this manual carefully before you start driving.

We are constantly working on the further development of our models. Please understand that changes in the scope of delivery in form, equipment and technology are therefore possible at any time. Therefore, no claims can be derived from the information, pictures and descriptions of these instructions.

## 2. NOTE

### Important

Please read the instructions carefully before using the device.

### Symbols used

Important information for your safety is specially marked. Please follow these instructions to avoid injuries and damage to your Monobuggy:



### Warning

Warn of health hazards and indicate possible injury hazards.



### NOTE

Indicates possible hazard to the Monobuggy or other objects. Non-compliance may lead to the conclusion of guarantees



### NOTE

Highlights tips and information for you.

## 3. Preliminary legal observations

### 3.1. User age

This golf scooter is recommended for riders 16 YEARS OF AGE and older.

### 3.2. Monobuggy for public road transport

The model do not have a road registration and therefore may not be used in public areas where the normal traffic laws are in force.

This information applies to most Countries Ask your local authorities about different regulations as these can be subject to change.

## 4. Safety

The improper use can lead to serious injuries. The driver can minimise this risk by driving safely at low speed on the golfcourse.

Do not use the scooter on slippery and wet surfaces. Do not drive under the influence of alcohol and /or drugs.

Avoid impact holes, cracks in rough and other obstacles. If wet, note the increased risk of slipping and falling.

The device should not be used by persons with reduced vision, balance, coordination, reflexes, muscle and bone strength etc..

It should not be used by people who cannot or do not want to take responsibility for their actions.

The driver assumes all risks associated with the use of the vehicle.

## 5. Package content

Your golfscooter comes with below accessories:

1. Instructions
2. Tool kits
3. Fuse
4. Seat and seat post
5. Battery and Charger
6. Golf Rack
7. Scorecard holder
8. Front Basket (option)



### NOTE

If you find any missing accessories in your scooter package, please contact your dealer.

## 6. First

### 6.1 Instructions for unlocking the scooter

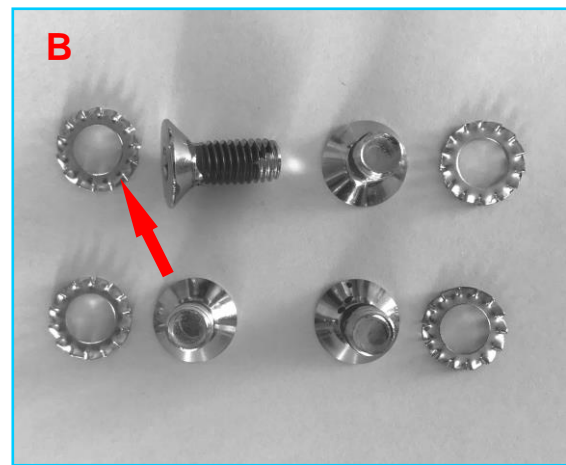
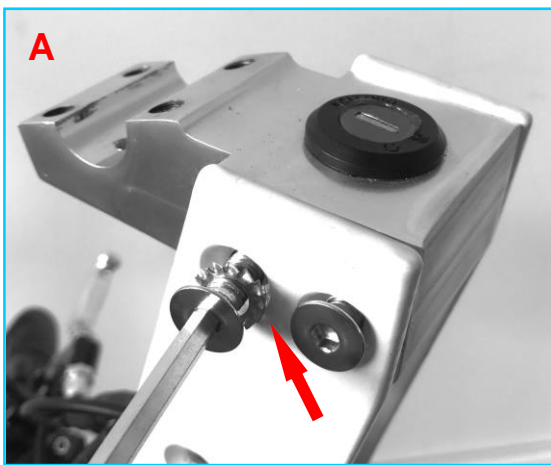


To open the scooter, pull out safe PIN firstly and then press the handle to open down with one hand (see arrow), while gently press the handlebars up with the other hand.

Push the handlebars gently into the vertical position until you feel that the mechanism is pressed, make sure to insert safe PIN.

## 6.2 Instructions for mounting handlebar

1. Place the alloy clamp onto correct position as PIC.A, attach washer of PIC.B onto M8 screws and tighten all screws.
2. Place the handlebar to clamp bottom and attach clamp cap as PIC.C, adjust correct angle and tighten all screws M8X20.
3. Open holder of the display as PIC.D onto handlebar, adjust correct position and tighten all screws on the holder.



D



After the handlebar is fixed, the Plug from ignition wire must be connected (Photo D)



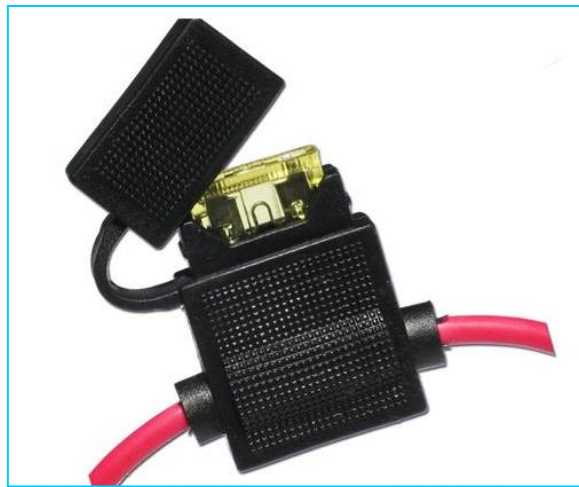
## NOTE

Note the correct polarity and fit accuracy of the connectors.

## 7. Commissioning

### 7.1 Connect battery and controller

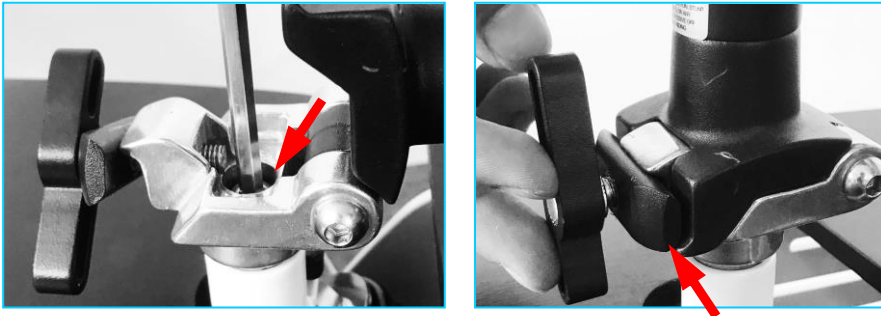
Now insert the BATTERY PACK into the battery compartment by tapping the tread surface upwards, and connecting the plugs and inserting the fuse on the connecting cable into the small safety valve



Note XT90 controller (big) for rear motor and XT60 controller (small) for front motor

## 7.2 Mount seat

2 Insert the seat support from the top into bottom tube, adjust correct direction as picture.1, use the 8mm Allen wrench (standard equipment) to tighten nut, and then close the seat post to lock the screw as picture.2 The Allen wrench is fixed on the side of the steering-tube.



Place seat onto upper seat post and tighten screws as above picture.3. In order to allow comfortable, fatigue-free and thus safe driving, the saddle height should be adjusted to the height of the body. The toes must still be able to touch the ground. Release quick lever, determine saddle height and clamp. The clamping force can be adjusted by adjusting the nut to the quick lever.



### **Warning**

An unscrewed quick-release lever can be opened again. This could allow the saddle to slide down during the ride.

## 7.3 Bottle holder

The Monobuggy is standard delivered with a Bottle holder, that can be fixed on the side of the steering-tube. (ref. To the front-cover Photo of this manual)



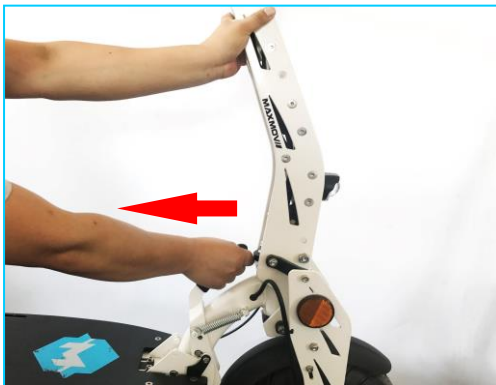
## 7.4 Folding

The seat must be removed before collapsing.



**Make sure the ignition lock is on OFF.**

After using the scooter, you can fold it for easier storage or transport. To do this, pull out safe PIN first. Use your left hand to push the steering post, with your right hand simply pull the lever back to collapse and gently push the handlebars down, making sure you do not hurt yourself. Turn the handlebars over until you feel the mechanism is locked.



## 7.5 Control / Elements

### Multifunctional LED

The scooter is equipped with a multi -function LED that shows you the charging status of the batteries while using the scooter.

When the scooter is on and fully charged (>48V), all LEDs light up.

If you use the scooter, the LED will turn yellow after a while. When the voltage drops, the LED switches to red and indicates that the scooter must now be charged.



### NOTE

If the LED starts flashing red, it is important that you immediately stop using the golf - scooter to recharge it and avoid damage to the batteries and the controller.



### **7.6 1 vs 2 speed Button**

The Monobuggy is equipped with an innovative 1 vs 2 speed button. If you drive in hilly Fairways you can press this once to use both front and rear HUB motor, this leads to an increase in the power of 100%. If you drive with only rear HUB motor you will increase the driving distance on one battery charge.

### **7.7 Ignition**

The delivery includes two keys.

Place the ignition key on position "1" so that the scooter is ready for use.



#### **NOTE**

Be careful when driving with 2 x motor speed as the power and maximum speed is high

### **7.8 Bumper**

The Monobuggy is mounted front single shock and rear dual shocks. Hardness can be adjusted.



## 8. Battery

Monobuggy golfscooter use Lithium Batteries.



### NOTE

Important information that you should read before starting operations.

The batteries are charged to approximately 50% from the factory.

**-The battery develops its maximum power after about five charging cycles.**

-Please turn off power firstly when mount batteries or remove batteries.



### NOTE

The battery and charger of Monobuggy are matched. Therefore, never charge the batteries with a charger other than the supplied charger.

The maximum battery life is achieved by charging them at ambient temperature between +10 degrees and max. +30 degrees.

-The batteries can warm up when they are under heavy pressure.



### NOTE

As a consumer, you are legally obliged to return used/defect batteries and chargers to designated collection points. You can drop your old batteries and chargers at the public collection points in your municipality. **Batteries and chargers don't belong in the trashbin.**

If you want to buy a new battery, please contact your dealer. They supply the correct lithium batteries for your golfscooter.

### 8.1 Fuse

The battery system is protected by a plug -in fuse. Replacement fuses can be found in the supplied toolbox if required. On the fuse you will find the specification printed.

### 8.2 Standard Battery Capacity / Type

Monobuggy: 48V 20Ah Lithium.

Use only the high quality original batteries of the same type and size .

### 8.3 Use of batteries

New batteries must always be fully charged the first five times. The more you charge your batteries, the better. They have longer lifetime if they are not discharged below

20% residual capacity. Never charge batteries at minus degrees but let the batteries at minus degrees warm up to room temperature before charging them. This considerably prolongs the service life.

#### 8.4 Charging device



In order to prevent risks of injury, you must only charge the supplied and installed battery with the supplied charger.

Batteries could explode if charged in wrong way and with wrong charger. The use of accessories or batteries that are not sold or recommended by us may lead to fire risk, electric shock or other serious injuries.

In any case, avoid operating the charger in a humid or wet environment. Avoid any water entering the device. If there is any liquid, disconnect the charger immediately from the main socket and have it checked by a specialist.

The device should be safe and level. Always disconnect the device from the main socket if not in use. Never pull on the cable, as this avoids cable damage and the risk of electrocution.

Never operate the charger with damaged cable or plug or with damage to the housing. Do not dismantle or open the charger yourself under any circumstances. Any manipulation or incorrect assembly may result in an electric shock or fire.

#### 8.5 Charging

1. Charge battery in vehicle:

Make sure the Golf Scooter's turned off. Take the charger and attach it to a socket.

The red light on the charger should now turn on to show that it has power. Insert the 3-pole charger on the right front bottom of the vehicle (ref. To Photo).



The status display on the charger will be red to indicate that the charging process has started.

When the display LED become green, you can remove the charger from the scooter.

You can use the golfscooter now.



2. Charge battery outside the vehicle:

Open the Footbase and remove the battery. With the build-in charging adapter (left side of battery), you can connect the standard charger to the battery.



#### NOTE

The charger is equipped with a safety FUSE. In the Charger carton you will find 2 extra FUSE in case needed later.



Don't recommend to charge the batteries over several nights.

Recommend to charge the batteries for max. 12 hours.

Recommend to disconnect the charger when you are away from home long time.

## 8.6 Maintenance and instructions for charging the batteries



### NOTE

Failure to comply with the instructions may result in the battery being discharged. No warranty can be accepted for low-charged batteries. Therefore, in order to achieve the longest possible lifetime of the battery, it is imperative that the following information be taken into account:

- The charger shall not be activated in a battery temperature range between +0 and over +60 degrees. Therefore, bring the battery to room temperature before each charge.
  - Choose a storage place where the Monobuggy is stored at room temperature.
  - Re-charge the battery after use, irrespective of the previous route or the energy taken.
  - The charger is an intelligent system with monitoring and control functions.
  - After the charging process is completed, the charger must be disconnected from the battery and from the main socket.
  - In case of prolonged non-use like over wintertime or if you go on holiday the battery must be charged shortly every 3 weeks.
- Keep the vehicle in a dry room at room temperature (e.g. in winter).
- Always recharge your battery every three weeks at the latest.
  - When the vehicle is restarted after a long time (e.g. after a winter break), the battery should be connected to the charger for a complete charging.
  - Duration of charge: The battery is fully charged with the supplied charger with 2.0 A charging power in approximately eight hours.
  - The battery should be fully charged before first use.
  - Never let the batteries completely discharged.

Use only original Monobuggy approved batteries to prevent damage to the controller. The use of unauthorised batteries results in the loss of the warranty.

The maximum achievable range with a charge of the battery depends on a number of factors. These include the battery and charging condition, temperature conditions, route profile and driver weight as well as the corresponding driving mode (e.g. stop-go, full load, mountain valley, 2-speed up-hill etc.).



### WARNING

In case of disturbances check:

- Is the charger plug stuck in the battery box?
- If a proper charge of the battery is not possible, please have the battery and charger checked by a specialist workshop.
- Is the power cable properly connected?
  - Are the contacts of the charger and the battery clean, not damaged or bent?
  - Is the battery damaged or defective? (Check the FUSE on battery and charger)

## 9. Golfbag Rack

The Monobuggy is standard delivered with adjustable golfbag Rack. This can be adjusted in height to fit most standard Golfbags. The Golfbag is fixed to the Rack by a Velcro-band. The golfbag Rack can be fixed from both right and left side of the Scooter, to fit the user preference.

## 10. Starting and driving



### **WARNING – to avoid crashing!**

Please note the following points to minimise the risk of falling:

1. Before you go, always up-fold the side-stand.
2. Hold the steering wheel straight, and notice your fellow golf-players.
3. When turning, starting in a curve or when driving in a narrow curve reduce the speed and be prepared to use the brakes (rear-brake first, then gently apply front-brake)

During the trip:

If there are any unusual noises or problems, stop the game and inform the Dealer. Service addresses will be informed by the Dealer.

## 11. Brakes

The electric scooter is equipped with front and rear hydraulic disc brakes, which are operated by the hand brake handle on the steering wheel. The scooter is equipped with a regulator which interrupts the power supply to the engine when the brake lever is pressed.



### Attention

The front brake can react very directly.

Practice braking on a flat and dry surface to familiarize yourself with the braking system. The brake path depends on the driver's weight, weather and surface.

A slight noise from the brakes is nothing to worry about. The brake lining should then be applied slightly. In the case of hard quality brake linings, a Qietsch can occur frequently.

## 12. Tyres and wheels

The scooter has identical front and rear tube-less tyres. Only these tyres approved by the manufacturer may be used when changing tyres.



### Attention

In case of puncture and flat Tyre please consult the nearest tire service center that can then patch the tire.

Tyre:

It is recommended to pump the tyres to air pressure of 2 BAR.

You can do this at any gas station. These are standard car valves.

## 13. Guarantee

The Monobuggy golf scooter is guaranteed according to the current legal regulations. The warranty excludes wear parts such as batteries, tires, hoses, rims, brake parts, wheel bearings, steering head bearings.

Also excluded are damages due to improper use and overloading due to excessive weight.



1. The battery is guaranteed for six months.

Replaced battery shall be transferred to the ownership of the Dealer.

2. By installing spare parts in the context of a warranty case, the warranty period running from delivery of the vehicle to the customer shall not be extended.

3. The warranty shall be without prejudice to wear and tear arising from normal use, as well as wear and tear resulting from improper handling and use. Oxidation and corrosion are caused by environmental influences and do not constitute a deficiency under the guarantee law.

4. The buyer loses his warranty when manipulating the vehicle, such as modifications to the Frame, the battery pack, the sensor, the braking system, as well as when installing accessories and spare parts that have not been released by the manufacturer.

The loss of warranty entitlement results in all improper interventions, such as by an unskilled workshop, as well as non-compliance with maintenance intervals in a specialised workshop.

5. In case of a warranty case, the buyer shall provide the seller with the duly completed service booklet including proof of payment for these.

## **14. Accessories Parts**

Only use original Monobuggy accessories and parts.

The use of non-specified accessories may lead to accidents and also to the cancellation of the warranty.

## 15. Errors

The following table will help you identify and correct common problems that can occur with golfscooters

Symptoms	Possible reasons	Solutions
No function at all.	The fuse was not used or defective.  The battery pack is not properly connected.	Put the fuse on.  Connect the battery according to instructions.
The device does not move, although the gas lever was pressed.	The gas handle is faulty or not correctly connected.  The batteries can't be recharged anymore.  The batteries have reached the end of their life.  Brake levers are engaged.  The brake handle breaker is defective.	Check the gas handle, wiring and replace it if necessary.  The connectors may have been switched when commissioned. Watch out for the right countersign.  Replace the batteries or the charger.  Replace the batteries.  Release the brake.  Replace the brake handle
The device only runs periodically or very slowly.	The batteries are not fully charged or have a polarity problem.  The engine or control unit is overheated.  The connectors have a wavelength contact.  The brake arches are not correctly adjusted and release the brake contact.  The engine ran hot.	Reload the batteries or replace them.  Wait about 15 -minute cooling time. Do not use full throttle for a while.  Check all connections to the correct position.  Set the bow line precisely.  Let the engine cool down. Avoid extreme climbs when the speed decreases vehemently and only reaches step speed.
The device fails abruptly while driving.	The controller is defective  The fuse on the battery pack is defective (if LED is off).	Please contact your dealer.  Replace the fuse.

The batteries can no longer be charged or will not last much longer.	Batteries have reached the end of their life or poor polarity among themselves. These should be replaced by a new battery pack.  The charger is no longer functioning properly.  The connection cable from the charging box to the control unit is no longer properly connected.	Replace the batteries.  Replace the charger.  Check the connection of the charger and cable in the battery compartment, as well as the fuse.
The light on the charger switches to green immediately.	The batteries are already charged. Some models are delivered fully loaded.  The charger's broken.	However, charge the battery for another four hours before using the scooter for the first time.  Replace the charger.

## 16. Instructions



### NOTE

Regular and properly implemented care measures serve to maintain the value of the Monobuggy and are important prerequisites for the recognition of warranty claims. Corrosion due to lack of care or winter operation is not guaranteed.

Paint, rubber and plastic parts shall not be treated with aggressive or penetrating cleaning or solvents. This can lead to damage.

Do not use a pressure jet for cleaning!

The high water pressure can cause severe damage to electronics, tires, seals etc.

-Use a soft, moist cloth to wash.

-Do not wipe dirt with dry cloth, as otherwise scratches in the paint arise.

### Care

The golf scooter should be maintained regularly and if necessary with commercial, pH - neutral and non -aggressive preservatives and care. Treat parts at risk of corrosion regularly with preservatives and care products, but especially in wintertime.

## 17. Technical data

<b>Model</b>	Monobuggy		
<b>Motor power</b>	2000W		
<b>Drive mode</b>	Dual-Hub drive(F/R)		
<b>Standard battery</b>	48V 20Ah lithium		
<b>Charge time</b>	6-8hours		
<b>Range per charge</b>	50KM		
<b>Max speed</b>	Ca. 35KM/H		
<b>Frame material</b>	Hight-tensile steel for battery box,Alloy for front and rear arm-swing		
<b>Dimension(LxWxH)</b>	1370 x 660 x 1340mm		
<b>N.W/G.W</b>	36/40KGS		
<b>Max load</b>	140KGS		
<b>Tire size</b>	13x5.00-6		
<b>Suspension</b>	Single shock / dual shock (F/R)		
<b>Brake system</b>	Disc brake (F/R) (hydraulic brake)		



### NOTE

Above sheet as a standard specification for your reference.

Manufacturer can not put all specifications in the sheet.

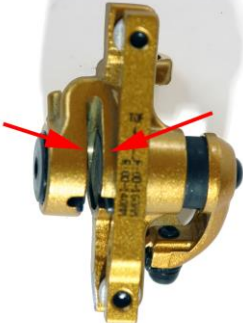

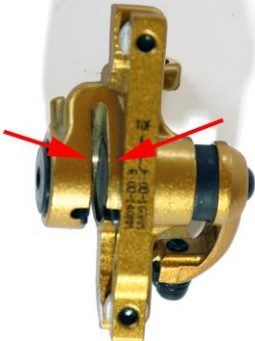
If you find any different from actual scooter, please check with your dealer.

## 18. Maintenance

Work to be done	Before playing golf	14 -day	Monthly	If needed
All screws and clamps and Check couplings on a fixed seat and if necessary. Adjust.			<b>X</b>	<b>X</b>
Check air-pressure in front- and rear wheel. Must be 2 BAR at all time		<b>X</b>		<b>X</b>
Check steering head bearings for correct seat, if applicable. adjusting and greasing.			<b>X</b>	<b>X</b>
Check and tighten buffer bearings.			<b>X</b>	<b>X</b>
Add anti-rust treatment spray before wintertime.			<b>X</b>	<b>X</b>
Brake system functional test, if applicable. Adjust, check brake linings,	<b>X</b>	<b>X</b>		<b>X</b>
Clean frame with Air-pressure after each Golf-round	<b>X</b>		<b>X</b>	<b>X</b>
Charge battery with the supplied charger	<b>X</b>			<b>X</b>
test drive after maintenance, Control of operational safety				<b>X</b>




### 18.1 Setting Brake System Front and rear wheel disc brake

The optimum braking performance is achieved by adjusting the brake pads regularly. To do this, release the brake saddle from the bracket by releasing the two bus screws.

<p>The two brake linings should then be in the visible area. The distance between the two layers should correspond to the strength of the brake pad (approx. 2.5mm).</p>	<p>To adjust the inner brake lining, use the bus key and turn the bus screw clockwise until the lining has reached the appropriate position.</p>	<p>To align the brake pedal in the middle around the brake disc, you can loosen the two black screws slightly and then move along the long hole to adjust the position exactly.</p>
		

After the two mountings have been adjusted accordingly, the brake saddle can be mounted back on the bracket with the two inlet screws.

## 18.2 Adjust steering head

First, check lower nut on bottom of steering tube and tighten it.	Now the upper nut can be tightened ,but must keep steering turning smooth.	Finally, tighten the top nut.
		

## 19.Service

If you have any questions or need spare parts and accessories, please contact your dealer or our online store at the following :

[www.monobuggy.nl](http://www.monobuggy.nl)