

**READ THIS MANUAL CAREFULLY!**  
**It contains important safety information**



**Item No: GC1101**

---

**\*\*This manual describes the basic operation and maintenance for the ATV, which should be read carefully before operation.**

★★ If you need more electric scooter product information, please  
visit our web site: <http://www.MADEMOTO.com> ★★

### 7.8 Carburetor

The idle speed adjusting screw bolt on carburetor is used to adjust the speed of idle speed. Tighten the screw and the speed will slow down; loosen the speed to the lowest stable position when adjusting .

### 7.9 Steering System

Routine screw inspections for the steering pole. Steering machine and turning pole are necessary.

## Important Safety Warning

<p><b>WARNING</b></p> <p>IMPROPER TIRE PRESSURE OR OVERLOADING CAN CAUSE LOSS OF CONTROL. LOSS OF CONTROL CAN RESULT IN SEVERE INJURY OR DEATH.</p> <p>OPERATING TIRE PRESSURE: Set with tires cold</p> <ul style="list-style-type: none"><li>• Recommended : FRONT : 20 KPa, (0.20 kgf/cm<sup>2</sup>), 2.9Psi : REAR : 20 KPa, (0.20 kgf/cm<sup>2</sup>), 2.9Psi</li><li>• Minimum : FRONT : 17 KPa, (0.17 kgf/cm<sup>2</sup>), 2.5Psi : REAR : 17 KPa, (0.17 kgf/cm<sup>2</sup>), 2.5Psi</li></ul> <ul style="list-style-type: none"><li>• Never set tire pressure below minimum. It could cause the tire to dislodge from the rim.</li></ul> <p>LOADING</p> <ul style="list-style-type: none"><li>• Maximum Vehicle Load: 95kg, (209 lbs). includes weight of operator, cargo and accessories.</li></ul>	<p><b>WARNING</b></p> <p><b>UNDER 16</b></p> <p>Operation of this ATV by children under the age of 16 increases the risk of severe injury or death. <b>NEVER</b> permit children under age 16 to operate this ATV.</p>
--	--

**THIS VEHICLE IS AN ALL-TERRAIN VEHICLE AND IS NOT INTENDED FOR USE ON PUBLIC HIGHWAYS.**  
**CE VÉHICULE EST UN VÉHICULE TOUT TERRAIN DONT L'USAGE N'EST PAS DESTINÉ AUX VOIES PUBLIQUES.**

**NOTICE**

**Please insert the key in the lock (Don't need to turn it). Then turn the cover of the lock counter-clockwise to open the oil tank.**



## 7.5 Accelerator

☆ The free path of accelerator is 3-5mm, which can be measured from the initial position where the revolution begins to rise.

☆ It is necessary to adjust accelerator cable and the screw nuts in the end of carburetor if free path of accelerator is not its proper distance. You should lock it after adjustment.

☆ Please replace accelerator cable if it is damaged.

☆ Inspect the return spring of accelerator pole and replace if it can not work properly.

## 7.6 Tire Check

☆ The tires of the vehicle at low pressure ones. The over-high or over-low air pressure benefits nothing to the proper performance. The measure of air pressure should be conducted under the cool state.

☆ Depth of Tire Checker

Please check surface and side and make sure that there is no crack on it, no foreign substances in it and no leakage of air. You should replace the tire if the depth of tire checker is less than 2 mm.

## 7.7 Battery

☆ You must connect the red wire to “+” pole and the black wire to “-” pole when installing the battery. You should replace the battery if it cannot store electricity. Generally speaking, battery should be replaced every 2-3 year.

▲ Attention: You should not tighten it to squeeze out the rest engine oil and the otherwise will damage the filter.

☆ Dust the empty air filter box, the cover and the entrance and place the dry filter into air filter box.

#### 7.4 Brake Staff

Disk brake is adopted in the vehicle and you should inspect the free path of brake pedal, the joints of the braking system and the leakage.

Routine inspection is necessary for the braking disks to make sure that it doesn't reach extreme points.

##### ☆ Free Path of Brake Pedal

The distance between the initial position of the pedal working position means free path of brake pedal .

☆ It is necessary for you to replace the braking disks if it is less than 3 mm thick .

☆ Please replace the braking pedal if it is not active. Please pay attention to spring, screw bolt, linchpin and the pipe when replacing.

## **SERIES OFF-ROAD KART USER'S MANUAL**

Dear Sir or Madam ,

Thank you very much for your choice of the Off-road kart.

This Off-road Kart is manufactured according to the full survey of market demand. We hope that it will bring you driving pleasure.

Please read the manual carefully before driving because it will help you learn the basic knowledge of structure, function, operation and maintenance of the Kart, which will be of great help for you to keep it in good condition and drive more safety.

The materials and pictures provided in the manual is the latest information made according to the newest products. There possibly are differences between the contents in the manual and the actual situation of Kart as a result of the improvement or changes of the products. But the user has to operate by the real situation. The producer preserves the rights revision by the Manual at any time, with no further information or notice.

No one can copy, quote or print any part of the Manual without permission from the producer.

Please contact the dealers if you have any problems about the kart's operation and maintenance.

**▲ Warning : Drivers and parents should read and follow the rules in Section 4 BEFORE DRIVING OFF-ROAD KART, which is about the important events and safety .**

## 1. Brief Introduction to Off-road Kart

### 1.1 Brief Introduction

◆ The shape of this Off-road Kart for leisure and entertainment is new and unique. The frame is welded with excellent steel pipe, which is high in structural strength with reliable safety.

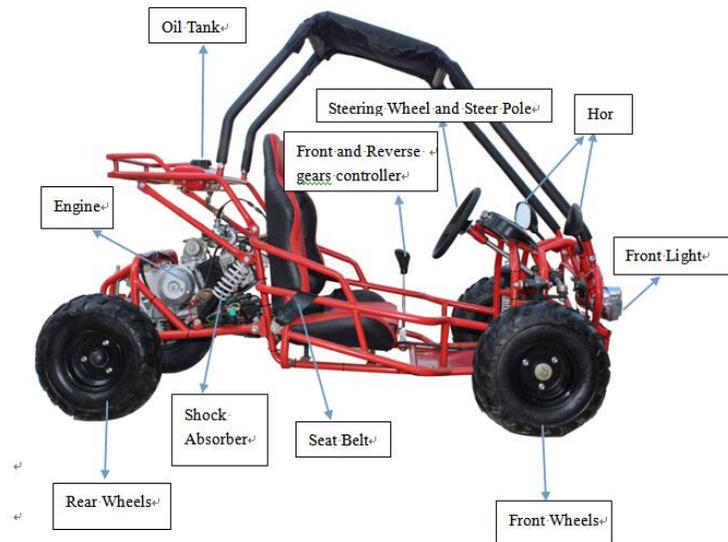
◆ Front independent suspension and articulate and complicated shock-absorber in the rear frame are adopted, which is comfortable and is of great help to prolong the life of the components of the whole vehicle.

◆ Front wheel and rear axle hydraulic disc arrester is adopted, which has a good effect and easy and soft operation.

◆ This type of karts has taken an engine with high efficiency and low oil consumption.

◆ The electrical system is simple and reliable as well, which is a leisure and entertainment vehicle based on good function.

◆ Continuously variable transmission engine is adopted in the vehicle, better and convenient customer in energy usage.



☆ Please drive the screw by hand if installing sparking plug to avoid sliding-filament.

☆ After the above the screw by hand if installing sparking plug to avoid sliding-filament.

☆ After the above-mentioned step, you can drive fasten it 1/2 circle (for new sparking plug) or 1/4-1/8 circle (for use sparking plug) by the special wrench for sparking plug.

▲ Attention: You should tighten sparking plug and otherwise it will cause the damage of engine as a result of overheating.

### 7.3 Air Cleaner

Routine cleaning is necessary because dust will be left in Air Cleaner during the use. Frequent cleaning should be conducted if driving in the dust area.

#### 7.3.1 Cleaning of Air Cleaner

- ☆ Take off the plastic protecting jacket.
- ☆ Take off the cover of Air Cleaner.
- ☆ Take the filter out of the air filter.
- ☆ You can clean the cleaner in the dissolvent of inflammable and high flash point. Then soak the filter in the clean engine oil for 5 minutes and squeeze out the rest engine oil.

▲ **Warning:** You should cut off the engine when conducting maintenance and otherwise it will possibly damage the moving and hot parts.

▲ **Warning:**

1. When conducting maintenance, please read the operation guidance and warning signs and prepare the necessary tools and auxiliary materials.

2. The clean, flat, ventilating and bright place should be chosen to conduct the maintenance, the engine should be stopped unless necessary, please choose the real products if it is necessary to change the components.

3. Please ask help from dealers of the producer if you can not conduct the maintenance by yourself.

4. It will be better for you to ask the dealers of the producer to repair or maintenance the items with “\*” unless you have enough tools, maintenance parameters and experience.

## 7.2 Sparking Plug

☆ Take off the cap of sparking plug.

☆ Bust the tray of parking plug.

☆ Take out sparking plug.

☆ Inspect the electrode and replace it if the electrode and the nonconductor are burnt in a improper way.

☆ A new one should be installed if sparking plug is apparently burnt or the nonconductor is broken.

☆ Inspect the distance between the electrodes. The normal distance is 0.67-0.71mm. You must make it to the right place carefully if the distance is not proper.

## 1.2 Engine and Frame Identification Numbers

Engine Identification Number: Please remember Engine Identification Number for the check when necessary. The location of Engine Identification Number is at the mouth of the discharge pipe of the engine.

Frame Identification Number: Frame Identification Number is the unique number for all the vehicles and please make a record for the check when necessary. It is on the framework under the seat.

## 2. Main Technical Parameter Table

Item		Parameter
Product model	mademoto	GC1101
External Dimension	LXWXH(MM)	168x103x118cm
	Axle Base(mm)	1650
Weight	Dry Weight (KG)	93
Load Capacity	150KGS (2 person)	
Engine	Type	4 stroke, air-cooling, 1 front gear with reverse
	Exhaust (cc)	110
	Form of transmission	chain drive
Power	Highest speed (km/h)	41
Tire	Tyre /Air Pressure Front	10PSI
	Tyre /Air Pressure Rear	10PSI
Electrical System	Battery	12V5Ah
Capacity	Oil Tank (L)	6.2

### 3. Vehicle Assemblage

3.1 Take off the cover and fixing poles by using wrench.

3.2 Take out steer wheel and pan head cruciform slot screws or hexangular flange face screws and install steer wheel on the steer wheel fixing base (pay attention to the place of steer wheel with 3 strips up face the rear ). Fasten the screw and put on the cover of steer wheel .

3.3 If it is equipped ,put the protective small plastic jacket into the pipe of goods shelf with the backing screw.

3.4 If it is equipped,put the protective large plastic jacket into the pipe of bodywork,put the screw bolt backings into the hexangular flange face screws and then fix the protective pipes with the backing screw.

3.5 Take the oil tank from the box and fix on the oil output mouth.Fix oil tank on the supporter by hexangular flange face screws.Put one end of non-burning rubber oil-input pipe into the oil-output mouth.Take off the dust-free cover on the mouth of the carburetor,put the other end to the input oil mouth on the carburetor.

3.6 Take out the hexangular screws and hexangular flange face nuts and fix the seat.

3.7 Connect the wires by the plugs and screw nuts which on the poles of the battery to the corresponding place (attention: the positive wire connects to the positive pole of the battery,black wire connects to the negative pole of the battery). Tighten the screws.

3.8 Plug the joints of all lights on proper position.

Check and make sure that every screw is tight and then you can prepare to use the kart.

## Routine Maintenance Table

To keep the performance good,the motorcycle should be checked and maintained at certain interval.The meanings of capital in following table are:  
I: Inspection,including check,clean, lubricate,refuel,repair or replacing if necessary .

A: Adjusting C:Cleaning R:Replacing T: Tightening

Items Maintena nce period	Odometer(km)													
	300	100	200	300	4000	500	6000	7000	8000	9000	1000	11000	12000	Everyday check before riding
Crankcase lube	R	R	R	R	R	R	R	R	R	R	R	R	R	I
Lube filter	C				C				C				C	
Air filter	Clean filter every 2000-3000km change it when necessary													
Spark Plug	Initial 1000km and clean every 3000-4000km change it when necessary													
Valve Gap				A				A					A	
Gas Filter										R				
Brake function,bra ke pads			I	I	I	I	I	I	I	I	I	I	I	I
Brake Fluid														
Driving Chain										I				I
Fasteners (Cylinder head)					T			T		T			T	
Fasteners (other parts)	T							T		T				
*When the mileage is over the highest on the table,please perform according to the period set on the table.														
*Driving on dust place,it is recommended to clean it frequently.														

Please don't run at a too fast speed or even tread gas pedal to the bottom in the first few weeks driving the new vehicle . The right way to run in the engine will be of great help for the life and performance.It will be better to run in the engine at a various revolving speed.

#### 6.5. Turning

You should control the speed properly when turning and it will be difficult to run in the expected direction and track if you run at an excessive speed.

You should use gas pedal and breaking pedal properly to ensure the security when tuning.And you should iurch to the turning direction.

▲ Attention: You should practice the turning at a low speed firstly and increase the speed gradually to get familiar with the operating features of the off-road kart.

#### 6.7 Stop

It will be better for you to choose a flat place to park the vehicle.

When parking ,you should loosen gas pedal and tread barking pedal,reducing the speed until it stops .

After parking the kart ,you can loosen the brake pedal only after pull up the hand brake so that you can avoid the automatic moving.

### **7. Maintenance of off-road kart.**

#### 7.1 Routine Maintenance

The following is the routine maintenance table,it is made according to the general situation and you must conduct the maintenance more frequently if the driving environment is worse and dust is more.

### 3.9Important Events and Safety

This off-road Kart is more than a toy and it will cause danger if driving improperly. Please abide by the following suggestions strictly to avoid the injury.

◆ You mustn't drive at an excessive speed.You must control the speed properly according to the road situation,the field of vision,your driving experiences and your operating conditions.

◆ Keep a proper gap with the other kart before driving ,making sure that it is in the condition that safe driving can be obtained. You can inspect according to the process and maintenance specified in the manual and the explanation attached to the components,making sure that all the joints are tightened and safe.

◆ You must drive with defined loading capacity,with on over-loading driving.

◆ Never carry a passenger on a single seat vehicle . A multi-seats vehicle can only carry defined number of persons,don't pick up more.And never carry the person who is too young to step on the footrest or unable to grip the armrest.

◆ The passenger can only sit on the passenger seat,never sit on other location and must grip the armrest tightly during driving .

◆ You must put your hands on steer wheel all the time when driving and make sure that the running direction is under your control.

◆ You must abide by the operating procedures and methods when turning the vehicle.

◆ You must practice the low-speed turning before you conduct the high-speed operation.Please don't turn at an excessive speed.

◆ You must do warming-up exercises before driving the vehicle.

Please read the manual and all the warning notes carefully before driving and operate by following strictly the procedures and methods,

◆ Don't let the kart to anybody that can't drive it .

◆ You mustn't drive off-road kart under the influence of drink or anesthesia agents because this will badly reduce your judging ability and cause serious injury and even death.

◆ You must drive on the slippery and steep road after mastering the skills of driving for it is dangerous to do so. Attention: driving on the slippery, broken stone or soft road will prolong the braking distance.

◆ You must drive on the strange road slowly and carefully.

◆ You must learn how to drive off-road kart in a proper way and a qualified training coach is a necessity. The driver must be more than 16 years old and of adequate understanding. Intelligence and judging ability for controlling the driving safety.

◆ You must add petrol to the oil tank before you drive it for the first time. Attention : Please don't add the fuel when the engine is in operation or it is hot. You must keep the source of heat and the flame away from the oil tank .

◆ Please don't change the position and the state of the components or add any attachments at your will.

◆ You mustn't operate the engine in a closed environment because end gas from it will be dangerous to life.

◆ It is dangerous for any parts of body or clothes to touch the engine, noise deadener or any other revolving parts. Please keep away from them.

◆ You must follow the local suggestions and rules to drive the off-road kart in helmet and protection clothes.

#### F. Ignition Key and Blanket Switch

Please check the joints and if they are tight and work properly .

#### G. Screw Bolt, Screw Nut, Fastener

Please check the wheel axles to see if the screw bolts are tight and to see if the other screw and screw nuts are tight and reliable . You must make sure that the screw bolts of steer wheel freely.

#### H. The Lower Part of Vehicle and Exhaust System

Please check and clear the dust , plants and the other foreign substances that will possibly cause fire or wrong operation.

You must clear all the faults before driving and you can also ask help from the dealer of franchiser if you fail to do so .

▲ Warning: It will increase the possibility of the accidents if you don't check the vehicle and clear the faults before driving. You should check it according to the procedures and maintenance in the manual and make sure that the vehicle is in good and safe condition.

#### 6.3 Steps of Start the Engine

☆ Put the vehicle on the flat place.

☆ Put Ignition Key to the location of starting the engine , with no more than 8 seconds every time.

Please press slightly gas pedal and repeat the above-mentioned steps if you fail to start it for several times.

#### 6.4 Running-in

The new vehicle must experience the running the running-in period before normal use. The running-in period is during the first 1000km traveling distance.

## 6.2 Vehicle Check Before Driving

It is necessary for you to spend few minutes on checking your off-road kart before driving so that you can save time and keep safe in the long-way driving. This includes the following items.

### A. Adding of engine oil .

If you use for the first time,you must add petrol and engine oil in it.The petrol number is 90 or above.

You must add oil to the engine in time according to the using requirement and the engine oil number is :

\*Crank case : SAE 15W/40SE,0.9L

\*Gear case: 0.18l;

### ▲Warning :

Attention : Please don't add petrol or engine oil when the engine is running and keep the oil tank away from the heat resources and flame.

### B. Quantity of Petrol

You must add petrol in time if the quantity of petrol is not adequate it will not break down on the way. You should check the leakage of oil tank.

### C. Brake

Please check the operation of the brake and adjust the free path when necessary.

### D. Tires

You should check the tightness of the screw bolt and screw nut,the state and the air pressure of the tires to see if it is suitable to drive.

### E. Accelerator

Please check the accelerator if it can move freely and if it can resume its position.

◆ You must fasten the seat belt when driving,with no hand ,foot or head exposing outside of the vehicle.

◆ You must follow the rules and the regulations of the sports ground or the local authorities when driving for pleasure.

◆ Please don't drive the vehicle if your body dimension or health status are not suitable.

◆ Please keep the vehicle far away from the resource of heat and fire if you store it for a short time please empty the petrol in the oil tank if you store it for a long time. Please store the manual properly for the necessary usage.

◆ Certain experience are required to repair and maintenance the vehicle and all the actions of its kind must be done under the safe conditions.

## 4.Components and Operation Introduction

### 4.1 Location of Components

### 4.2 Operation of Components

#### ☆Steer Wheel

Steer wheel is used to control the direction of the off-road kart and the kart will turn right or left according to the corresponding operation.

▲ Warning: You must keep the hands on steer wheel to avoid the losing control of the kart when driving the off-road kart.Otherwise it may cause serious accidents even death .

#### ☆Braking Pedal

Brake Pedal is operated by left left foot.It will work when step hard forward and the off-road kart will slow down.

▲ Warning: You must be skillful in the operation and the force Braking Pedal and Gas Pedal when driving initially off-road kart so that you can control the speed properly especially in the curves and among the karts.

#### ☆Gas Pedal

Gas Pedal is operated by right foot,it will accelerate when step hard forward and slow down otherwise .

#### Gear-engine Device

If there is gear-engine device in your kart,you must make clear the function and operating ways of each gear so that you can avoid the danger arising from the unexpected running.

The reverse gear controller for this kart is between the seats .

The gear-operating ways for the engine are as follows:

Move the handle backward and locate the gear pole at the back gear,the kart will go backward.

#### ☆ **Warning :**

Attention : you must stop when conduct gear changes .

#### ☆Control Panel (Ignition Key and Blanket Switch )

#### ☆ Ignition Key

Turn the ignition key clockwise to the first gear and Braking Indicator will be on .

Engine-start: Electric Start ( Ignition Key is on Control Panel),you can start the engine by turning ignition key clockwise to the second gear .

#### ☆Blanket Switch

If you want to stop the engine,you can press the red Blanket Switch until it stops.

#### ☆Turning Lamp Switch

#### ☆Light Switch

#### ☆Horn Switch

The horn will be switched on if pressed and off if loosened.

#### ☆Seat

You can adjust the location of seat by moving the hand lever under the cushion.You can move the hand lever ,and then move to the place necessary and loosen the hand lever.Attention: please resume the location of the hand lever.

#### ☆Oil Tank (Cover)

There is a blowhole on oil Tank Cover ,which should not be blocked.

Please add the petrol no more than the neck bottom of oil feeding mouth when adding .

You must fasten oil tank cover after finishing adding petrol.

#### ☆Hand Brake

The hand brake of this kart is between the two seats . The kart will be braked if you pull upward the hand brake when stopped and will be loosened if you put down the brake .

### 5.How to Drive Off-road Kart Properly .

#### ▲ Special Attention :

- 1.The petrol in the oil tank and the engine oil in the engine have been emptied for the safe transportation.Before starting.Please add petrol and engine oil to the defined place.
- 2.If the kart has gear shift then you must shift gear into the correct position before starting the kart and then run with the necessary gear.

### 6.before Driving

#### 6.1 Preparations before Driving

Such preparations are necessary as receiving the proper training and guidance,check your off-road kart and making sure that it is in good condition and learning the rules of driving safely.You must put in the protecting equipment,such as helmet and long-sleeve clothes.