HP

ELECTRIC MINI ATV

OWNER'S MANUAL

Important Information! Read thoroughly before driving the first time.

All information, images and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or production changes, there could be discrepancies in this manual. We reserve the right to make product changes at any time, without notice and without obligation to make the same or similar changes to any vehicle previously built or sold.

INTRODUCTION

Thank you for purchasing this mini ATV. The proper care and maintenance that your vehicle requires is outlined in this manual. Following the instruction will ensure a long trouble-free operating life of this vehicle and your satisfaction with it.

The owner's manual corresponded to the latest state of this vehicle at the time of printing. Slight deviations resulting from continuing development and design can, however, not be completely excluded. All specifications are non-binding, we reserve the right to modify or delete technical specification, parts, design, etc… without prior notice.

SAFETY WARNINGS

This vehicle is NOT A TOY and ONLY used in closed off areas remote from public road traffic.

Never permit children under age 12 to operate this ATV.

Adult's supervision is required if children under age 16.

WARNING: Riding an electric mini quad can be a hazardous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Like other electric vehicles, the Mini Quad can and is intended to move, and it is therefore possible to lose control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and other precautions. RIDE AT YOUR OWN RISK AND USE COMMON SENSE.

This manual contains many warnings and cautions concerning the consequences of failing to maintain, inspect or properly use your mini ATV. Because any incident can result in serious injury or even death. We do not repeat the warning of possible serious injury or death each time such a possibility is mentioned.

APPROPRIATE RIDER USE AND PARENTAL SUPERVISION

This manual contains important safety information and useful tips to help you and your child operate and handle the mini ATV. Carefully read the manual in its entirety together with your

Please read the owner's manual before riding.

Never operate this vehicle if you are under age 12.

Never use the vehicle on public road. OFF ROAD use only.

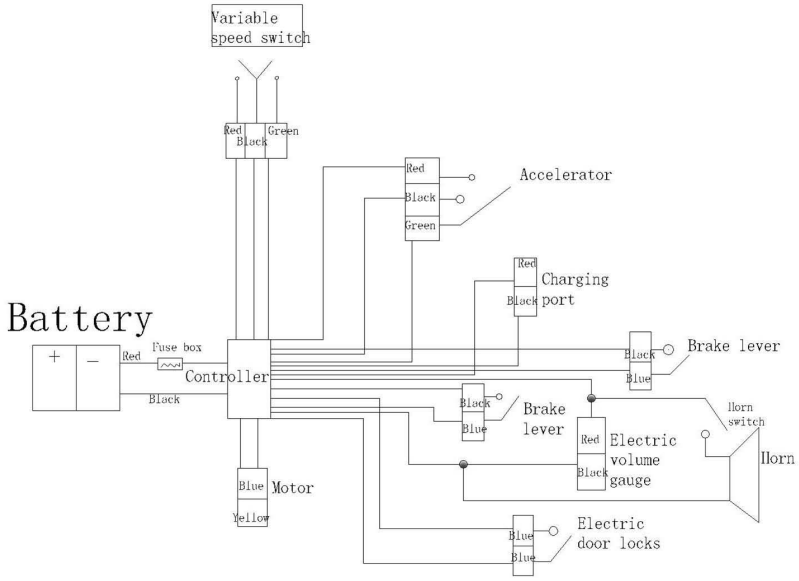
Never ride with a passenger

Always use an approved helmet and protective gear

NEVER use with drugs or alcohol

Cold tire pressure.

CIRCUIT DIAGRAM



child before letting your child ride it for the first time. The manual also contains important information on servicing the vehicle.
It is your responsibility to review the manual and make sure that all riders understand all warnings, cautions, instructions and safety topics and assure that the riders are able to safely and responsibly use this product and protect your child from injury. We recommend that you periodically review and reinforce the information in this manual with your child, and that you inspect and maintain your children's vehicle to insure their safety. **The recommended rider age of 12 years** is only an estimate, and can be affected by the rider's size, weight, skills. Any rider unable to fit comfortably on the mini ATV should not attempt to ride it.

It is important and necessary to conduct technical training for your child before first use. To get the train information, please contact the dealer who you purchase the vehicle from. Before your child completes the training, do not let your child use this vehicle.

Children often underestimate or fail to recognize the dangerous situation, you should make it clear to your child that should not, under any circumstances, operate the vehicle without supervision and that your child may only drive at a speed that is commensurate with the child's riding ability and other road condition.

A parent's decision to allow his or her child to ride this product should be based on the child's maturity, skill and ability to follow the rules.

Keep this product away from small children younger than age 12 and remember that this product is intended for use only by persons who are, at a minimum, completely comfortable and competent while operating the vehicle.

DO NOT EXCEED THE WEIGHT LIMIT OF 65KG. Rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of the mini ATV.

Do not touch the brakes or electric motor on your mini ATV when in use as they can become very hot.

Refer to the following section on safety for additional warnings.

ACCEPTABLE RIDING PRACTICES AND CONDITIONS
Always check and obey any local laws or regulations which may affect the locations where the Mini ATV may be used.
Ride defensively. Watch out for potential obstacles that could catch your wheel or force you to swerve suddenly or lose control. Be careful to avoid pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.

The mini ATV is meant to be used on private property and on closed courses and not on public streets or sidewalks. Do not ride your mini ATV in any areas where pedestrian or vehicle traffic is present.

Do not activate the speed control on the hand grip unless you are on the MINI ATV and in a safe, outdoor environment suitable for riding.

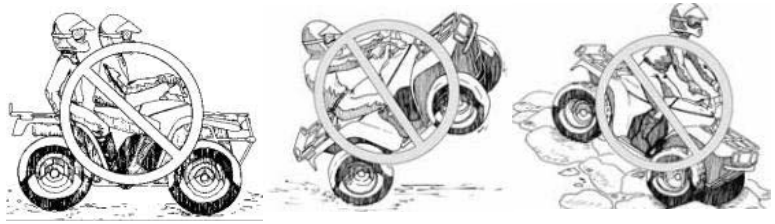
This product was manufactured for performance and durability but was not impervious to damage. Jumping or other aggressive riding can over-stress and damage any product, including the Mini ATV, and the rider assumes all risks associated with high-stress activity.

Be careful and know your limitations. Injury risks increases when the degree of riding difficulty increases. The rider assumes all risks associated with aggressive riding activities.

Never carry passengers or allow more than one person at a time to ride the electric mini quad.

Never use near steps or swimming pools.
Never use alcohol or drugs before or while operating
Never attempt to do wheelies, jumps,or other stunts. Don't try to show off. If not avoided, could

result in death or serious injury.



Always keep both hands on the handlebar and both feet on the footrests of your ATV during operation.

Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.

Keep your fingers and other body parts away from the steering system, wheels and all other moving components.

Never use headphones or a cell phone when riding.

Never hitch a ride with another vehicle.

Do not ride the min quad in wet or icy weather and never immerse the electric mini quad in water, as the electrical and drive components could be damaged by water or create other possibly unsafe conditions.

Wet, slick, bumpy, uneven or rough surfaces may increase the risks of use. Do not drive the electric quad in mud, ice, puddles or water. Avoid excessive speeds that can be associated with downhill rides. Never risk damaging surfaces such as carpet or flooring by use of an electric four wheeler indoors.

Do not ride at night or when visibility is limited.

PROPER RIDING ATTIRE

Always wear proper protective equipment such as an approved safety helmet, elbow pads and kneepads. A helmet may be legally required by local law or regulation in your area.

A long-sleeved shirt, long pants and gloves are recommended. Always wear athletic shoes, never drive barefooted or in sandals, and keep shoelaces tied and out of the way of the wheels, motor and drive system.

USING THE CHARGER (The charger is not a toy!)
The charger supplied with the electric mini quad should be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, the quad must not be charged until the charger has been repaired or replaced. Always disconnect from the charger prior to wiping down and cleaning your electric mini quad with liquid.

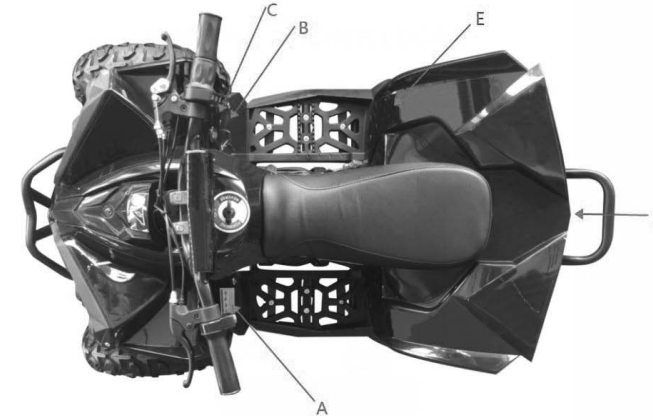
FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES THE RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.

	Inflated.	They invariably will lose some pressure Between the point of manufacturing and your purchase. Refer to tire instructions to properly inflate tires.
	Vehicle is overloaded.	Make sure you do not overload the vehicle by allowing more than one rider at one time, exceeding the maximum weight limit, going up too steep a hill or towing objects behind the vehicle. If the vehicle is overheated, the temperature circuit protector will slow motor down and if the condition continues, will shut off power to the motor. Correct the driving conditions that caused the overheating, wait 5-10 minutes and then resume riding. Avoid repeatedly overheating the unit.
Sometimes the vehicle doesn't run, but other times it does.	Loose wires or connectors.	Check all wires around the motors and all connectors to make sure they are tight.
	Motor or electrical Switch damage.	Contact the authorized service center for diagnosis and repair.
Charger gets warm During use.	Normal response to Charger use.	No action required. This is normal for some Chargers and is no cause for concern. If your charger dose not get warm during use, it does not mean that it is not working properly.
Vehicle does not Stop when applying the brake.	Brakes are not adjusted properly.	Refer to brake instructions to properly adjust Brakes.
Vehicle makes loud noises or grinding sounds.	Chain is too dry.	Apply a lubricant to the chain.

TROUBLESHOOTING GUIDE

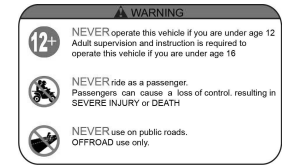
Problem	Possible cause	Solution
Vehicle does not run.	Undercharged battery .	Charge the battery. A new battery should have been charged for at least 12 hours before using the vehicle for the first time and up to 8 hours after each subsequent use.
		Check all connectors. Make sure the charger connector is tightly plugged into the charging port, and that the charger is plugged into the wall.
		Make sure power flow to wall outlet is on.
	Charger is not working.	You may check to see if your charger is working by using a volt meter or asking the authorized service center to test your charger for you.
Vehicle was running but suddenly stopped.	Loose wires or connectors.	Check all wires and connectors to make sure they are tight
	Burned-out fuse.	The fuse will burn out and automatically shut off the power if the motor is overloaded.
		An excessive overload could cause the motor to overheat. Refer to replacing the fuse instructions of this manual. Correct the conditions that caused the fuse to burn out and avoid repeatedly burning out fuse.
	Motor or electrical switch damage.	Contact the authorized service center for diagnosis and repair.
Short run time (less than 30 minutes per charge)	Undercharged battery.	Charge the battery. A new battery should have been charged for at least 12 hours before using the vehicle for the first time and up to 8 hours after each subsequent use.
		Check all wires and connectors. Make sure the battery connector is tightly plugged into the charger connector, and that the charger is plugged into the wall.
		Make sure power flow to the wall outlet is on.
	Battery is old and will not accept full charge.	Even with proper care, a rechargeable battery does not last forever. Average battery life is 1 to 2 years depending on vehicle use and conditions. Replace only with a replacement battery.
	Brakes are not adjusted properly	Refer to brake adjustment instructions.
Vehicle runs Sluggishly.	Driving conditions are too stressful.	Use only on solid, flat clean and dry Surfaces such as pavement or level ground.
	Tires are not properly	The tires are inflated when shipped, but

WARNING STICKER LOCATION

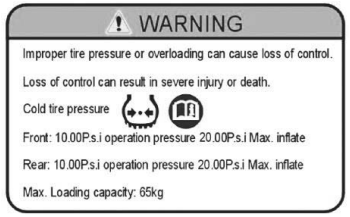


Sticker A is located on the left front fender.

Sticker B is located on the right front fender

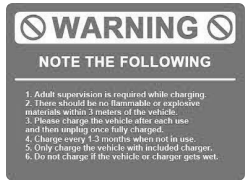


Sticker C is located on the right front fender.



Sticker D is located on the motor.

Sticker E is located near the battery indicator.



PRODUCTION DESCRIPTION

positive cable first.
Check the entire brake systems (fluid level, pads, etc.), all controls, headlights, taillight, brakelight; adjust or replace if necessary.
Check the tire pressure. Inflate to recommended pressure as necessary.
Tighten all nuts, bolts, cap screws, and screws making sure all calibrated nuts, cap screws, and bolts are tightened to specifications.
Make sure the steering moves freely and does not bind.
Follow the recommendations found in the pre-start inspection.

Motor type	1000W 36V/48V
	3 x 12V 12AH lead acid battery
	4 x 12V 12AH lead acid battery for option
Charger Input	100-240V/50-60 Hz
Charger Output	43.20V-1.5A
Transmission	Chain drive
Front suspension	double mechanical damper
Rear suspension	mono shock absorber
Tyre(optional 6")	front 14x4.10-6, rear 14x5.00-6 with 10.00 P.s.i. operation pressure and 24 P.s.i Max. inflate.
Brake system	front and rear disc brake with mechanical control
Rated loading capacity	65KG
Vehicle size	1180*700*690mm

TRANSPORTATION

The ATV should be transported in the normal position if possible. It may also be transported in the standing position, but the standing position is not as stable as the normal position.

PREPARATION FOR STORAGE

Some measures should be taken when the vehicle is subjected to a long term storage so as to reduce the bad influence on its performance. Before the storage, make necessary maintenance to ensure the vehicle's high performance after-storage.

VEHICLE

Place the vehicle on level ground and thoroughly clean the entire vehicle.DO NOT get water into any part of the motor controller or battery.

Tighten all nuts, bolts, cap screws, and screws. Make sure rivets holding components together are tight. Replace all loose rivets. Care must be taken that all calibrated nuts, cap screws, and bolts are tightened to specifications.

Disconnect the battery cables (negative cable first); then remove the bat┐tery, clean the battery posts and cables, and store in a clean, dry area.

NOTE: For storage, use a battery maintainer or make sure the battery is fully charged.

TIRES

Inflate the tires to the normal specification.

EXTERNAL

Spray all vinyl and rubber parts with a rubber preservative.

Spray unpainted surfaces with rust preventative.

Coat painted surfaces with car wax.

NOTE: Void storing outside in direct sunlight and avoid using a plastic cover as moisture will collect on the ATV causing rusting.

PREPARATION AFTER STORAGE

Clean the ATV thoroughly.

Check all control wires and cables for signs of wear or fraying. Replace if necessary.

Charge the battery, then install. Connect the battery cables making sure to connect the

1. seat
2. rear tire
3. battery
4. footrest
5. fuse case
6. front tire
7. front shock
8. front up swing arm
9. bumper
10. front disk brake
11. head light
12 rear brake lever
13. throttle
14. ignition key
15. headlight on/off button
16. forward/reverse switch
17. three-speed limit button/key
18. motor
19. front down swing arm
20. rear axle
21. charger port
22. rear shock
23. rear disk brake
24. front brake lever
25. battery indicator
26. horn button

LOCATION OF PIN

The PIN is stamp marked on an aluminum plate that is riveted on the front of the frame

There are the product main specification information on this PIN plate.

PIN means the Product Identify Number which is unique for each unit.

BEFORE YOU BEGIN

Remove contents from box. Remove the foam separators that protect the components from damage during shipping. Inspect the contents of the box for scratches in the paint, dents or kinked cables that may occur during shipping. Because the product was 85 percent assembled

and packed at the factory, there should not be any problems, even if the box has a few scars or dents.

Estimated Assembly and Set-Up Time

We recommend assembly by an adult with experience in motorbike or bicycle mechanics.
Allow up to 30-40 minutes for assembly, not including initial charge time.
Allow up to 12 hours for initial charge.

Required Tools

Some tools may be supplied; however, we recommend the use of mechanic's grade tools. Use the supplied tools only as a last resort.
The list of tool required is as follows

- Open end wrench 10mm / 13mm/ 17mm / 22mm
- Allen wrench 5mm / 6mm/ 8mm
- Bicycle style tire pump with pressure gauge

FUNCTION SWITCH OF 3 SPEED LEVEL ADJUSTABLE

The 3-speed limit key is located under the right side of the seat (see above pictures).

There are 3 letters standing for the different speeds as follows:

1 (or M): Middle speed Recommended for those with some experience

0 (or L): Lowest speed Recommended for first time use

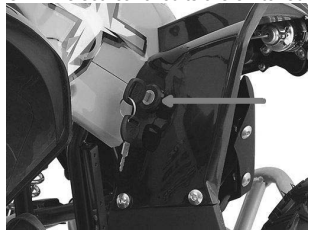
2 (or H): Highest speed Recommended for those with full experience

WARNING! Speed MUST be adjusted to suit the abilities of the rider. It is IMPERATIVE that the responsible adult controls speed setting. ALWAYS start the rider at the slowest speed (L). Never allow the child to alter the speed setting.

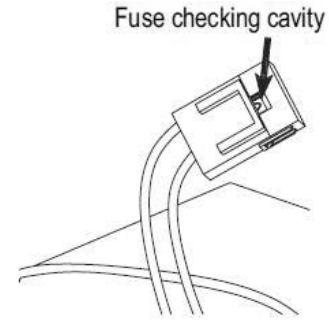
CONTROL FUNCTIONS

MAIN SWITCH

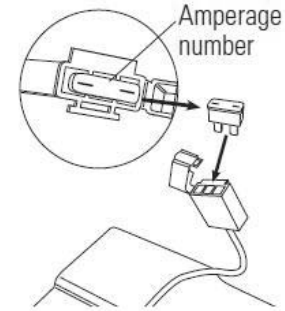
Functions of the respective switch positions are as follows:
On: The engine can be started only at this position.
Off: All electrical circuits are switched off. The key can be removed in this position.



1. Open the battery bag to locate the fuse box attached to the batteries.



2. Check the fuse to see if it has burnt out. If the fuse is damaged, open the fuse cover.



3. Remove any fuse that is damaged or burnt out and replace with a new one of equal amperage.

Note: Amperage is located on top of fuse.

⑧Battery Care and Disposal

Do not store the battery in temperatures above 75° F or below -10° F.

CONTAINS SEALED LEAD OR LI-ION BATTERY. THE BATTERY MUST BE RECYCLED.

Disposal: Your product uses sealed lead-acid or li-ion batteries which must be recycled or disposed of in an environmentally sound manner. Do not dispose of a battery in fire. The battery may explode or leak. Do not dispose of a battery in your regular household trash. The incineration, land filling or mixing of sealed lead-acid batteries with household trash is prohibited by law in most areas. Return exhausted batteries to a federal or state approved lead-acid battery recycler or a local seller of automotive batteries.

⑧ Charger

The transformer/charger supplied with the product should be regularly examined for damage to the cord, plug, enclosure and other parts, and, in the event of such damage, the Mini Quad must not be charged until it has been repaired or replaced.
Use ONLY with the recommended charger.

WARNING: If a lead-acid battery leak develops, avoid contact with the leaking acid and place the damaged battery in a plastic bag. Refer to the disposal instructions as above. If acid comes into contact with skin or eyes, flush with cool water for at least 15 minutes and contact a physician.

TECHNICAL SPECIFICATION SHEET

brake function. Avoid skidding to a stop as this can cause you to lose control or damage the rear tire.

Step 1:

To adjust the brake tension, thread the brake lever adjuster in or out 1/4 or 1/2 turn until the required brake adjustments is attained.

Most of brake adjustments are complete at this step. If the brake still needs further adjustment, proceed to step 2.

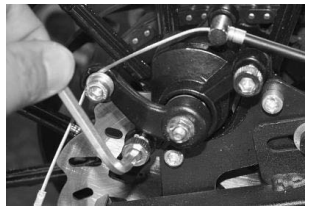
Step 2:

If the brake has too much slack, loosen the rear anchor bolt with a L-wrench and pull the brake wire tighter.

The distance of the brake wire between the end of the cable and the anchor bolt should be between 37mm and 44 mm.

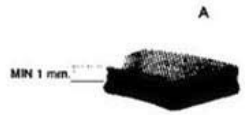
Step 3:

If the brake rotor is dragging on the brake pads, use L-wrench to twist the caliper bolts in either direction until rotor is centered between pads.



Check

To check the wear of front and rear brake pads **A**, simply inspect the brakes calipers as shown in the below picture.



The thickness of the lining on the ends of the four pads should never be less than 1mm.

Should the lining be thinner, immediately replace the brake pads.

We recommend having the brake pads replaced by an authorized dealer.

⑧ Replacing the Fuse

THROTTLE LEVER

Once the main switch is turned on, movement of the throttle lever will increase the motor speed. Regulate the speed of the motor by varying the throttle position. Check the throttle to be sure it is operating smoothly. Make sure it returns to the initial position as soon as the lever is released.

FRONT BRAKE LEVER

The brake lever is located on the right side of the handlebar. Pull down on the lever to apply the front brake.

REAR BRAKE LEVER

The brake lever is located on the left side of the handlebar. Pull down on the lever to apply the rear brake.

PARKING BRAKE

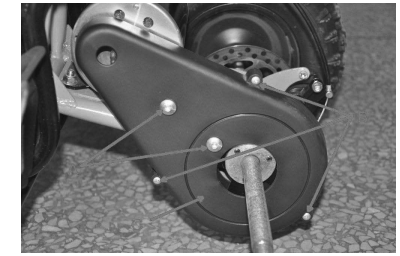
Apply the brake lever and then press down the stop-button to apply the parking brake.
Squeeze the rear brake lever to release the parking brake.
When parking, stop the engine. Turn the fuel cock to "OFF" and apply the parking brake

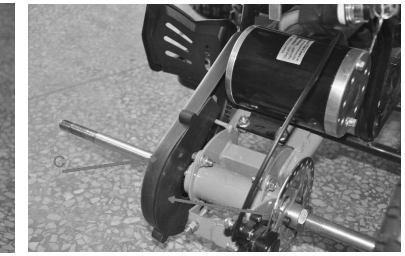
Parking on a slope

Avoid parking on slopes. If you must park on an incline, apply the parking brake, and block the wheels with rocks or other objects.

Assembly illustration and instruction

Attaching the Chain Cover

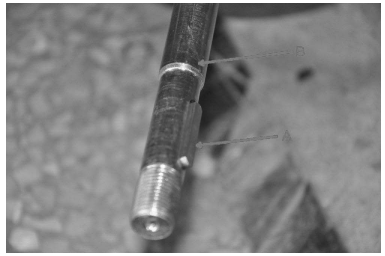




A. Hex socket cap bolt M6*10 2PCS
B. Philip's head screw M4*12 3PCS
C. Left side chain cover
D. Right side chain cover

1. Place part C on ATV and fasten A by a 6mm key wrench.
2. Align part D to part C and tighten B by a screwdriver.

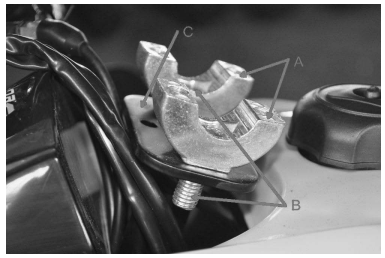
Attaching the Rear Wheels (tire 14*5.00-6)

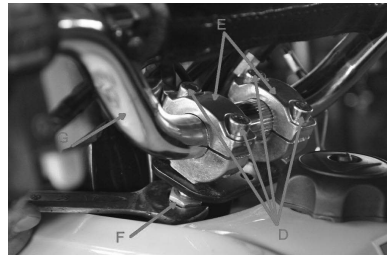


A. Pin
B. Rear axle
C. Rear wheel locknut
D. Rear wheel

1. Place pin A on rear axle B.
2. Place rear wheel D on rear axle B.
3. Tighten C by a wrench.

Attaching the handle bar





A. Handlebar down clamp 2PCS
B. Flange bolt M10*20 2PCS
C. Steering rod
D. Hex socket cap bolt M8*20 4PCS
E. Handlebar up clamp 2PCS
F. Lock nut M10 2PCS
G. Handle bar

1. Place parts A on C.
2. Place B through parts A & C and then tighten F by a wrench.
3. Place part G on part s A. Align E to parts A and tighten D by an 8mm key wrench.

NOTE: When properly tightened, the handlebar should not move forward or back.

NOTE: Using a bicycle-style tire pump to inflate the tires to the PSI indicated on the sidewall of the tire. Always inflate the tires to the correct PSI before first time use.

Front(optional)	14x4.10-6
Rear(optional)	14x5.00-6

Higher pressures may cause the tire to burst. Inflate the tires very slowly and carefully. Fast inflation could cause the tire to burst.

Note: The pressurized air supplies found at gasoline stations are designed to inflate high-volume automobile tires. If you decide to use such an air supply to inflate your tires, first make sure the pressure gauge is working, then use very short bursts to inflate to the correct PSI. If you inadvertently over-inflate the tires, release the excess pressure immediately.

Important information of use guider for tire

Note: Tire is the only contact between the vehicle and the road, the safety of various driving activity depends on the small area of the tire where contact with the road. Therefore, it is very important to keep the tire in good condition any time and use the correct size and standard tire to replace the old ones.

Guide:

Tire assembly and disassembly

It is strongly recommended that the tire assembly and disassembly should be done by an authorized technician with necessary skills.

Tire inflating pressure

It is very important to keep the tire in proper pressure and check the tire pressure before use. The inflating should be done while the tire is cold.

Tire maintenance

Tire tread depth should be checked regularly.(Shallower tread means less grip of the tire). You must stop to use the vehicle if the tire is pierced, disassemble the tire and check it carefully. Tire maintenance should be done by an authorized technician. The tire should be replaced immediately when it is distorted or damaged.

Tire replacement

It is important to use the correct size and standard tire as per our specification (see details in the technical specification sheet)

Don't use the used tire if you are not sure its previous service condition.

Tire aging

Tire aging is unavoidable even the tire is not ever used or just used a few times. Tire aging is mainly reflected in the cracked section on side of tire and tire tread, sometimes the tire is distorted as well. The used and aged tire should be checked and confirmed if it is ok to use again by an authorized technician.

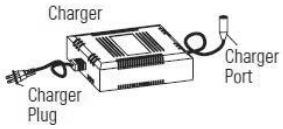
REPAIR AND MAINTENANCE

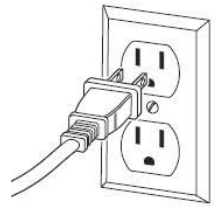
Turn the power switch off before conducting any maintenance procedures.

® Adjusting the Brake

The mini quad is with 2 front brakes and 1 rear brake.

WARNING: The brake is capable of causing the electric mini quad to skid the tire throwing an unsuspecting rider. Practice in an open area free from obstacles until you are familiar with the





1 Turn **OFF** power switch before charging. Plug charger into the charger port on the electric motor bike.

2 Plug the charger plug into a wall outlet. If the lights on the charger do not light up, check the power to the outlet. If necessary, try a different outlet.

Warning: Failure to recharge the battery at least once a month may result in a battery that will no longer hold a charge.

PRE-RIDE CHECKLIST

⑧ Loose Parts

Check and secure all fasteners before every ride. Make sure steering stem clamp bolts are locked properly in place. There should not be any unusual rattles or sounds from loose parts or broken components. If you are not sure, ask an experienced mechanic to check.

Note: To avoid a pinch or injury, keep fingers away from moving sprockets and chain.

⑧Brake

Check the brake for proper function. When you squeeze the lever, the brake should provide positive braking action. When you apply the brake with the speed control on, the brake cut-off switch will stop the motor.

⑧Frame, Fork and Handlebars

Check for cracks or broken connections. Although broken frames are rare, it is possible for an aggressive driver to bash into a curb or wall and wreck and bend or break a frame. Get in the habit of inspecting yours regularly.

⑧Tire Inflation

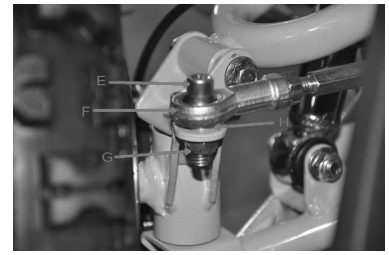
Periodically inspect the tires for excess wear, and regularly check the tire pressure and re-inflate as necessary. If you get a flat tire, the inner tube can be patched or a new tube can be purchased from Razor or an authorized repair center.

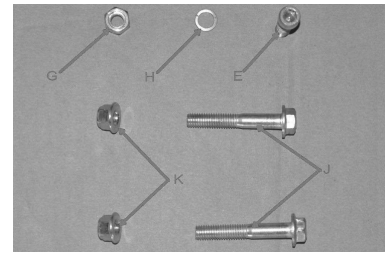
⑧Safety Gear

Always wear proper protective equipment such as an approved safety helmet, elbow pads and kneepads. Always wear shoes (lace-up shoes with rubber soles), never drive barefooted or in sandals, and keep shoelaces tied and out
of the way of the wheels, motor and drive system

Inflating the Tires

Attaching the front wheels (tire 4.10-6)

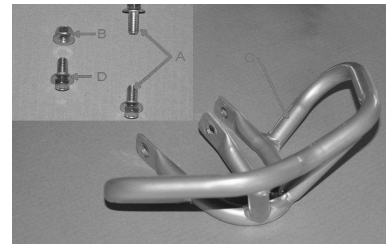


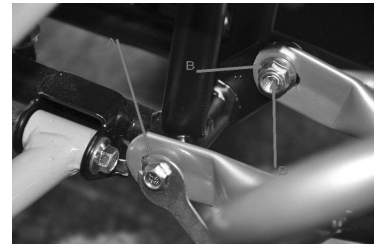


A. Up swing arm
B. Down swing arm
C. Wheel spindle
D. Tie rod holder
E. Hex socket cap bolt M8*25
F. Tie rod end
G. Lock nut M8
H. Spacer M8
J Flange bolt M8*45 2PCS
K. Self lock nut M8 2PCS

1. Align C to A & B.
2. Place bolts J though A & C, B & C. Tighten nuts K by wrenches.
3. Place bolt E though F, H, G in sequence and tighten nut G.

Attaching front Bumper

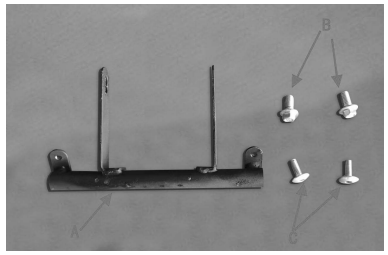




A. Flange bolt M8*16 2PCS
B. Lock nut M8
C. Front bumper
D. Flange bolt M8*16

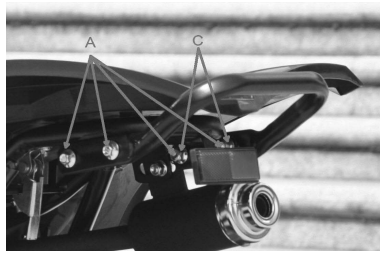
1. Align C to ATV frame
2. Tighten bolts A by wrench.

3. Tighten B,D by wenches.



1. Align A to ATV frame
2. Tighten bolts B with wrench.
3. Tighten C with wenches.

Attaching rear Bumper



A. Flange bolt M8*16 4PCS
B. Lock nut M8

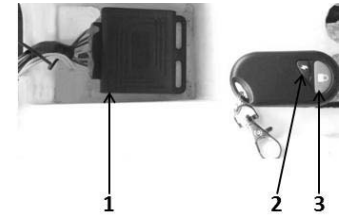
B.Rear bumper

1. Align B to ATV frame.
2. Tighten A,C by wenches.

Seat

To remove the seat, pull the seat lock lever upward and pull up the seat at the rear.

OPTIONAL PART ---REMOTE CONTROL



The remote control unit (No.1 in above picture) is located under the seat, and the switch

Stop the motor: press the button 🔒 (No.3 in above picture)

Start the motor: quickly press the button ⚡ 2 times (No.2 in above picture)

Caution: The remote control works effectively within 30 meters only.

SAFETY REMINDERS

Charging the Battery

Your electric mini quad may not have a fully charged battery; therefore it is a good idea to charge the battery prior to use.

· suggested Initial charge time: 9-12 hours

· Average battery life: 250 charge/discharge cycles (Lead-Acid battery),
500 charger/discharge cycles (lithium battery).

· Recharge time: *Always* remember to turn the power switch off and fully charge the battery after each use. When the vehicle is not in regular use, recharge the battery at least once a month until normal use is resumed. If you have left the power switch on or your product has not been charged for a long period of time the battery may reach a stage at which it will no longer hold a charge.

WARNING: Always disconnect your electric mini quad from the charger before cleaning with liquid.

The charger has a small window with two LEDs to indicate the charge status. Red LED means the battery is in charging and Green LED means the battery is fully charged. Chargers have built-in over-charge protection to prevent the battery from being over-charged.

Be sure to properly align the groove on the charger input port with the corresponding socket on the Mini Quad and tighten threads; otherwise, no charging action will occur.