

HP

ELECTRIC MINI UTV

Brushless

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.



MINI UTV OWNER'S MANUAL

INTRODUCTION



Thank you for purchasing this mini UTV. 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 specifications, parts, designs, etc... without prior notice.

SAFETY WARNINGS

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

Never permit children under age 13 to operate this UTV.

WARNING: Riding an electric mini UTV can be a hazardous activity. Certain conditions may cause the equipment to fail without the fault of the manufacturer. Like other electric vehicles, the Mini UTV 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 UTV. 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 uses tips to help you and your child operate and handle the mini UTV. Carefully read the manual in its entirety together with your 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 can 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



Please read the owner's manual before riding.



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.



Never operate this vehicle if you are under the age 13

inspect and maintain your children's vehicle to insure their safety. **The recommended rider age of 13 years** is only an estimate and can be affected by the rider's size, weight, and skills. Any rider unable to fit comfortably on the mini UTV 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 whom 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 speeds that are commensurate with the child's riding ability and other road conditions.

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 rules.

Keep this product away from small children younger than age 13 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 75KG. Rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of the mini UTV

Do not touch the brakes or electric motor on your mini UTV 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 UTV 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 UTV is meant to be used on private property and on closed courses and not on public streets or sidewalks. Do not ride your mini UTV 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 UTV 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 UTV, and the rider assumes all risks associated with high-stress activity. Be careful and know your limitations. Injury risks increase 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 UTV. Never use near steps or swimming pools.

Never use alcohol or drugs before or while operating

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.

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Do not ride the min UTV in wet or icy weather and never immerse the electric mini UTV 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 UTV 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 barefoot 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 UTV should be regularly examined for damage to the cord, plug, enclosure, and other parts, and in the event of such damage, the UTV must not be charged until the charger has been repaired or replaced. Always disconnect from the charger before wiping down and cleaning your electric mini UTV 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.

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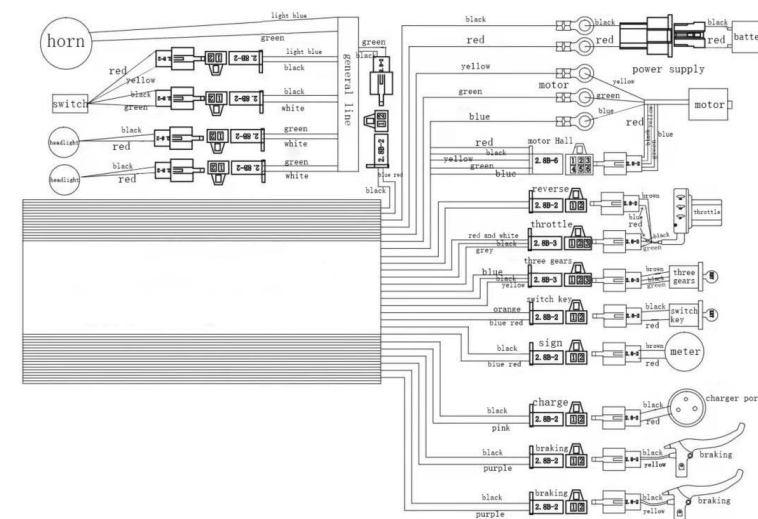
tires.

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 does 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.

CIRCUIT DIAGRAM



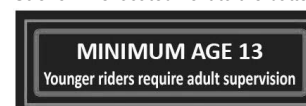
TROUBLESHOOTING GUIDE

Problem	Possible cause	Solution
Vehicle does not run.	Undercharged battery .	Charge the battery. Battery should have been fully charged 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.
	Loose wires or connectors.	Check all wires and connectors to make sure they are tight
Vehicle was running but suddenly stopped.	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.
	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.
Short run time (less than 30 minutes per charge)	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.
	Driving conditions are too stressful.	Use only on solid, flat clean and dry Surfaces such as pavement or level ground.
Vehicle runs Sluggishly.	Tires are not properly Inflated.	The tires are inflated when shipped, but They invariably will lose some pressure Between the point of manufacturing and your purchase. Refer to tire instructions to properly inflate

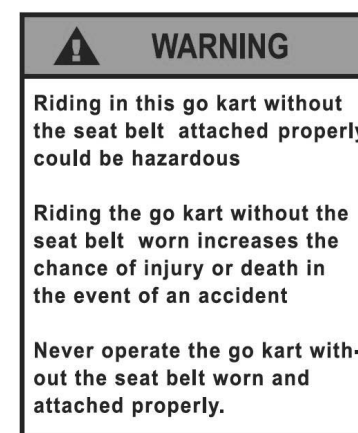
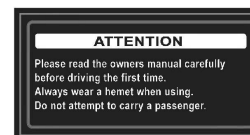
WARNING STICKER LOCATION



Sticker A is located next to the battery indicator



Stickers B, C & H are located next to the gear switch

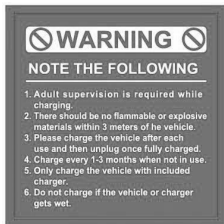


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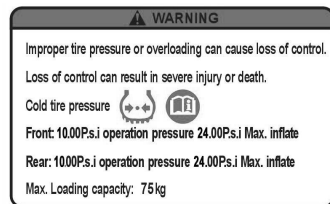
Stickers **D & E** are located next to the motor.



Sticker **F** is located next to the charging plug



Sticker **G** is located next to the ignition key



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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.

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Brake system	Hydraulic rear disc brake
Suspension	Front hydraulic shock absorbers Rear hydraulic shock absorbers
Rated loading capacity	75KG
Overall size(L*W*H)	145*87*99 cm
Packing carton size	144x88x66 cm (Packed with wheels disassembled) 144x95.5*75.5 cm (Packed with wheels on)

TRANSPORTATION

The ATV should be transported in the normal position if possible. It may also be transported in the standing position. Still, 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 long-term to rage to reduce the bad influence on its performance. Before 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 the 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 battery, clean the battery posts and cables, and store them 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 it. Connect the battery cables making sure to connect the positive cable first.

Check the entire brake system (fluid level, pads, etc.), all controls, headlights, taillight, and brake light; adjust or replace if necessary.

Check the tire pressure. Inflate to recommended pressure as necessary.

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PRODUCT DESCRIPTION



LOCATION OF PIN

The PIN is stamped on an aluminum plate that is riveted on the front of the frame.

There is the product's main specification information on this PIN plate.

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



BEFORE YOU BEGIN

Remove contents from the 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 30-60 minutes for assembly.

Required Tools

Some tools may be supplied; however, we recommend using mechanic's grade tools. Use the supplied tools only as a last resort.

The list of tools required is as follows:

- Open end wrench 10mm / 13mm-15mm / 14mm-17mm / 24mm
- Allen wrench 5mm / 6mm / 10mm
- Bicycle style tire pump with pressure gauge

CONTROL FUNCTIONS

MAIN SWITCH

Functions of the respective switch positions are as follows:



Check

To check the wear of front and rear brake pads **A**, simply inspect the brake 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.

Battery Care and Disposal

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



CONTAINS SEALED LEAD OR LI-ION BATTERY. 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 a 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.

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 UTV 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 above. If acid comes into contact with the skin or eyes, flush with cool water for at least 15 minutes and contact a physician.

TECHNICAL SPECIFICATION SHEET

Motor	Brushless motor
Max power output	1200W
Transmission	Shaft drive
Battery	4 x 12V 12AH lead acid battery 48V14AH lithium battery for option
Charger INPUT for lead acid battery	100-240V/50-60 Hz/1.6A
Charger OUTPUT for lead acid battery	57.60V-2.0A
Charger INPUT for 48V lithium battery	100-240V/47-63 Hz/2.0A
Charger OUTPUT for 48V lithium battery	54.6V-2.0A
Gears	F/N/R
Front & rear tire size	Tubelss tyre, front 15*5.0-6, rear 15*5.0-6 with operation pressure and 24 P.s.i Max. inflate .

NOTE:

Using a bicycle-style tire pump to inflate the tires to the PSI indicated on the sidewall of the tire. Recommended tires for this UTV listed below:

Front	15*5.0-6
Rear	15*5.0-6

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 guide for tire

Note: The tire is the only contact between the vehicle and the road, the safety of various driving activities 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 at 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 the 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 on 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 specifications (see details in the technical specification sheet)

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

Tire aging

Tire aging is unavoidable even if the tire is not ever used or just used a few times. Tire aging is mainly reflected in the cracked section on the side of tire and the 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 power switch off before conducting any maintenance procedures.

1. Brake Pedal

Depressing the brake pedal will stop the UTV.

Warning: Always check brakes before operation.

2. Accelerator Pedal

Depressing the accelerator pedal will increase motor RPMs causing UTV to move forward or reverse.



3. Headlight Switch

This button can control the light on and off.

4. Forward/Neutral/Reverse Switch



When the gear switch is placed in the (D3) position, the vehicle can reach the maximum speed.

When the gear switch is placed in the (D2) position, the vehicle can reach a medium speed.

When the gear switch is placed in the (D1) position, the vehicle can reach a low speed.

When the gear switch is placed in the (P) position, the vehicle will stop.

When the Gear switch is placed in the (R) position, the vehicle will reverse.

5. Power Switch

When the power switch is placed in the (ON) position the motor can run. please keep the power switch in the (OFF) position when you leave the vehicle, park, or stop.

6. Battery indicator

Charging the vehicle when the battery is low.

7. Speed Limiting Device



The 3-speed limiting key is located under the front panel of the mini UTV.

There 3 letters are standing for the different maximum speeds as follows.

M: Middle speed

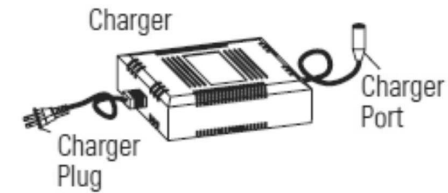
H: Highest speed

L: Lowest speed

The supervising adults can limit the mini UTV's maximum speed capability according to the skill and experience of the young rider.

8. Air Switch

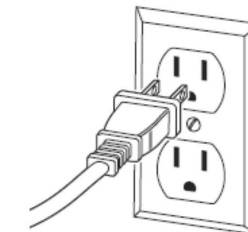
The air switch is located under the front panel of the mini UTV.



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.



1. Plug the charger into the charger port on the seat back of the electric UTV.



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.

Warning:

1. Adult supervision is required while charging.
2. There should be no flammable or explosive materials within 3 meters of the vehicle while charging.
3. Please charge the vehicle after each use and then unplug once fully charged.
4. Charge every 1-3 months when not in use.
5. Only charge the vehicle with included charger.
6. Do not charge if the vehicle or charger gets wet.

Inflating the Tires



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

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

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

SAFETY REMINDERS

PRE-RIDE CHECKLIST

_ 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.

_ Brake

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.

_ Frame, 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.

_ Tire 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.

_ Safety 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

Charging the Battery

Your electric mini UTV may not have a fully charged battery. It is a good idea to charge the battery before use.

- Suggested Initial charge time: 9 hours
- Run time: up to 45minutes
- 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 the battery may reach a stage at which it will no longer hold a charge.

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

SEAT BELTS



WARNING

Riding in this go kart without the seat belt attached properly could be hazardous

Riding the go kart without the seat belt worn increases the chance of injury or death in the event of an accident

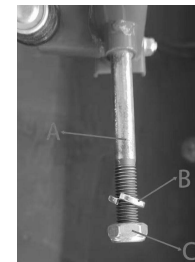
Never operate the go kart without the seat belt worn and attached properly.



To connect the seat belt sit in the seat and buckle the lap belt. Make sure the buckle is latched properly.

Assembly illustration and instruction

Attaching the front wheels



1. Fit the wheels to A after removing the B&C from A.
2. Place B&C in line. Tighten C with a wrench.

Attaching the Rear Wheels



- 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 with a wrench.

Insert the plastic rim decoration

As shown in the photo below, insert plastic rim decoration and tighten.



Seat mounting

The driver's seat is attached at 3 points as shown in the photo below.

Position the seat, taking care not to pinch the battery cables, then tighten the assembly securely.



Fitting the steering wheel

Insert the steering wheel and choose the ideal position for the driver (2 possible positions).

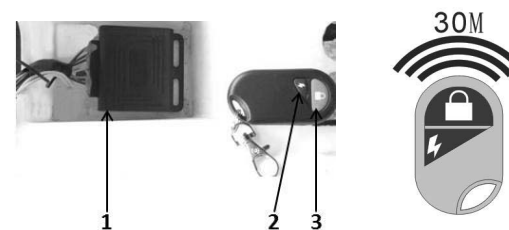
Then tighten the steering wheel by using the screw + nut supplied with the charger and instructions box, as shown in the photo below.



Attaching the Front & rear roll cage



OPTIONAL PART ---REMOTE CONTROL



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