

Important: You must charge your MINIMOTO™ ATV a minimum of 12 hours before you can use it.

RECHARGE the battery **EACH TIME** you use it.

TO PROTECT THE LIFE OF THE BATTERY, recharge the battery at least once a month.

FOLLOW ALL SAFETY RULES AND SET UP INSTRUCTIONS IN THIS MANUAL THOROUGHLY. FAILURE TO DO SO MAY VOID YOUR WARRANTY.

DO NOT RETURN THE MINIMOTO™ ATV TO THE STORE! IF YOU ARE MISSING PARTS OR NEED ASSISTANCE, PLEASE CONTACT US TOLL- FREE:

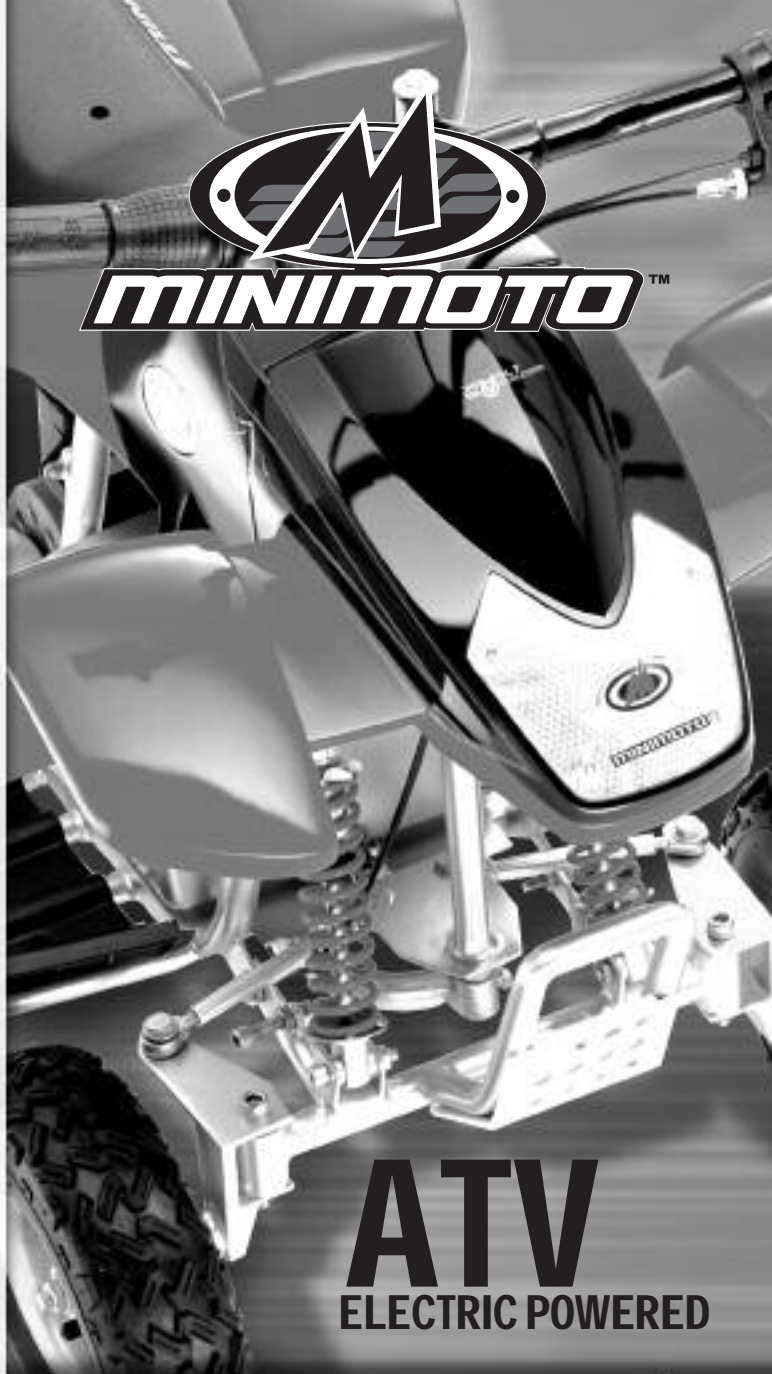
1-800-434-6178

**8 AM TO 7 PM CST,
Monday through Friday,
(excluding holidays)**

OR contact us by:

email at:

customerservice@teamminimoto.com



**ATV
ELECTRIC POWERED**

TOY QUEST®
A DIVISION OF HANLEY
SKU#23293

www.toyquest.com

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Toy Quest
Los Angeles, CA 90064. All Rights Reserved. Made in China.

Conforms to ASTM F963. Colors and content may vary.

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23293 1.0106 (06)

**36
VOLT**
RECHARGEABLE
BATTERY
CHARGER INCLUDED



INSTRUCTION MANUAL

IMPORTANT!
Read completely before
attempting to ride

**UP TO
14 MPH***

ATV
ELECTRIC POWERED

**500
WATT
MOTOR**

Please read this manual and save it with your original sales receipt.

Tools needed for assembly (included): Three Allen Keys, One Wrenches, and one Detachable Screwdriver.

Use only with included: One 36 Volt Lead-Acid Rechargeable Battery,

three Ignition Keys and one Battery Charger.

(Protective equipment not included)

TOY **Q**UEST[®]
LEARNING CENTER

SKU#23293

MINIMOTO™ ATV

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MINIMOTO™ ATV

Owner's manual and safety instructions

Read this manual completely and carefully before operating your electric MINIMOTO™ ATV. Keep this manual in a safe place for future reference. Be sure you thoroughly understand how to operate the components of your MINIMOTO™ ATV.

NOTE: Throughout this manual there are many “WARNINGS”. Be sure to read and understand all of these “WARNINGS”. Please pay extremely close attention to these areas as serious injury or even death may result in failing to do so.

WARNING: This vehicle is a serious machine and should be treated with respect when riding it, working on it, or simply being near it.

This vehicle can obtain speeds that only qualified riders of the proper age, size, and maturity should attempt. That decision rests entirely on the observation and discretion of the direct supervising adult.

IMPORTANT!!! Before we begin:

Like any wheeled vehicle, riding the MINIMOTO™ ATV can be extremely hazardous. It is your responsibility to follow this manual for the proper set up, inspection, riding procedure, protective gear required, and rules of the road to reduce the risk of serious injury.

The age recommendation is only an estimate. If the rider is too small, too large, or too old to comfortably fit on the MINIMOTO™ ATV, he/she should not attempt to ride it. The minimoto™ ATV is not designed for or intended to be used by of anyone under the age of 10.

Keep away from small children.



WARNING:

To reduce the risk of injury, adult supervision is required. Never use in roadways, near motor vehicles, on or near steep inclines or steps, swimming pools or other bodies of water; always wear shoes, and never allow more than 1 rider.

**FOR WEBSITE INFORMATION
OR REGISTRATION AND CUSTOMER
SERVICE GO TO
www.teamminimoto.com**

WARNINGS:

This product is meant for outdoor use only and only on private property. Never ride your MINIMOTO™ ATV on public streets, alleys, or other public roads or through-fares. It must never be ridden in any area that could potentially do harm to humans, animals, or property damage.

Never ride around the vicinity of small children who may enter your path.

Special notes for supervising adults of the rider:

1) The decision to allow a rider to ride the MINIMOTO™ ATV must be done with the permission of a directly supervising adult. The directly supervising adult must read and follow all of the contents of the owners manual before making this decision.

2) The rider must have previous experience in riding electric powered vehicles before attempting to ride the MINIMOTO™ ATV. It is the responsibility of the supervising adult to ensure the rider has the specific talent, physical ability, and training before allowing them to attempt to ride the ATV.

3) The MINIMOTO™ ATV is never to be ridden indoors. Indoor flooring and carpets can be damaged from abrasive contact with the tires. The manufacturer will not be responsible for any indoor damage if the MINIMOTO™ ATV is used in this manner.

4) The MINIMOTO™ ATV is designed to run on off-road surfaces. Grass, packed dirt, and moderate off-road terrain are ideal riding surfaces by persons over the age of 10.

5) The rider of a MINIMOTO™ ATV should always wear appropriate footwear. Open-toed shoes should never be allowed. Keep

shoe laces and pant legs away and clear of the wheels.

6) The rider must wear a safety helmet, elbow and kneepads to avoid injury if falling. Failure to wear a standard approved helmet may result in serious personal injury or death.

7) The MINIMOTO™ ATV is never to be ridden by more than one person at a time. In addition, it is not designed to pull or tow anything behind it as it may result in serious damage to the motor or internal parts. Do not exceed the maximum capacity of 200 lbs (90 kg).

8) The MINIMOTO™ ATV cannot be used on wet surfaces or in wet weather. Never immerse any part of the MINIMOTO™ ATV in water. Moisture can damage the motor, switches, and drive components.

9) The MINIMOTO™ ATV should never be ridden in mud, water, ice, snow or sand. It is not designed to be ridden in streets or on paved surfaces either. Avoid riding on extreme incline, declines, rocky surfaces, curbs or jumps.

10) The electric motor can become hot when in use. Do not touch it at anytime and handle it carefully.

11) Never use your MINIMOTO™ ATV while using personal radios or headphones.

12) Do not use your MINIMOTO™ ATV for stunt riding, ramp jumping, acrobatics or similar activities.

MINIMOTO™ ATV

13) Never inflate the tires beyond 30 psi. Inflation of the tires should be performed by adults only. Serious injury or death may result in over inflation of the tires. Avoid filling the tires at a gas station. The greater pressure of a gas station air pump makes a blowout of the tire possible. This may result in serious injury or death. Never use non-MINIMOTO™ replacement parts.

14) If there is any problem or question with the MINIMOTO™ ATV, please contact the MINIMOTO service center by calling the toll free number:

1-800-434-6178

Between the hours of 8 to 7 CST, Monday through Friday (excluding holidays)
or by email:

customerservice@teamminimoto.com

Do not return the product to the store! Contact the Minimoto Service Center. Authorized service is only available through the official Minimoto Service Center. Spare tires, inner tubes, batteries, and replacement parts can be obtained through the Minimoto Service Center.

15) SB 1918 (CALIFORNIA) DECLARATION:

YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS PRODUCT. TO DETERMINE IF COVERAGE IS PROVIDED, CONTACT YOUR INSURANCE COMPANY OR AGENT.

Customer Service Center:

**Toy Quest
c/o Minimoto Service Center
1800 N. 9th Street
Indianola, Iowa 50125**

ELECTRICAL HAZARD: WARNING

CAUTION!

THIS IS AN ELECTRICALLY OPERATED PRODUCT AND SHOULD BE OPERATED WITH CARE. KEEP AWAY FROM SMALL CHILDREN.

BEFORE RIDING, ALWAYS MAKE SURE THAT THE BATTERY RETAINER IS FIRMLY IN PLACE AND HOLDING THE BATTERY SECURELY.

PREVENTING A FIRE:

a) Never modify the electrical system or battery charger. Modifications of these systems can result in fire, serious injury and damage to the electrical components.

b) To avoid damaging the batteries, do not use the charger if it has been struck, dropped or damaged in any way.

c) Do not expose the batteries to high temperatures as this may cause the battery to explode.

d) Never allow the battery charger to become wet or placed in water.

e) Use of the wrong type of batteries or charger could cause a fire or explosion resulting in serious injury.

f) Never use Minimoto™ parts, batteries,

or components in any other products or vehicles other than those of Minimoto™. Replacing or substituting parts with other vehicles can result in overheating, fire, or explosion.

g) The battery is to be handled by ADULTS ONLY. The battery is heavy and contains a lead-acid electrolyte. Dropping the battery can result in serious injury.

h) Never allow children to recharge the battery. Charging the battery must be done by ADULTS ONLY. A child could be injured when involved in the operations of battery charging or use of electrical devices.

i) Make sure that all battery contacts or connectors are clean and free of excessive wear or damage whenever the battery is charged. If ANY damage is detected, DO NOT USE the charger or batteries until you have replaced the worn or damaged part.

j) Always remove the Key when not in use to ensure the power is off and prevent any unauthorized riders from attempting to ride the ATV.

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VEHICLE SET UP AND ASSEMBLY:

CAUTION: The included tools to set up and charge the Minimoto™ ATV should be used by an ADULT ONLY. The package contains some small parts. Keep away from small children.

- 1)** Completely remove the Minimoto™ ATV and all contents from the package. (Fig 1) Remove and discard the protective cardboard covering from the handlebars.



Fig 1



- 2)** Find and identify the following tools and hardware (Fig 2)

Fig 2

- 3)** Take the steering arm and place it in the clamp (Fig 3)



Fig 3

- 4)** Tighten the steering arm using the Allen key in the tool kit (Fig 4).



Fig 4

- 5)** Under the seat, remove the rubber band that holds the connectors and snap together the two connectors (Fig 5).



Fig 5

- 6)** From the left side of the vehicle, locate the two screws holding the Battery box together (Fig 6). Using a phillips head screwdriver, unscrew these screws and remove the left half of the battery box off the vehicle (Fig 7).



Fig 6



Fig 7

- 7)** Place the connector assembly inside the battery box with only a wire protruding from the top (Fig 9).



Fig 9

- 8)** Place the left half of the battery box back on the vehicle and retighten the screws (Fig 10).



Fig 10

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BATTERY CHARGING INFORMATION:

IMPORTANT! The new battery provided in the Minimoto™ ATV MUST BE charged for at least 12 hours before using for the first time.

The charger MUST be used only in a clean, dry area. In addition:

- Battery charging must be done by ADULTS only.
- The battery must be upright when charging.
- The charger is not a toy.
- Do not short-circuit the battery.
- Do not charge the battery on any delicate surfaces (such as a counter top).
- Only use the provided charger to charge the battery.
- Only use a Minimoto™ ATV battery or batteries when operating.
- Remove old or dead battery from the Minimoto™ ATV if they do not accept a charge.
- Never use the charger in an enclosed space. Always ensure adequate ventilation.
- Never cover the Minimoto™ ATV or the charger during charging.
- Should anything abnormal happen to the Minimoto™ ATV or charger, switch off the mains supply immediately and contact Minimoto™ Service Center.

IMPORTANT!

Under normal conditions, the battery will reach full charge in 8 to 12 hours of charging time. The difference in time depends on the local power output in your area, the type of outlet you use, and the condition of the battery.

NOTE: Do not connect the charger to a surge protector. You should only plug the charger directly into a standard electric wall outlet. Surge protectors can slow down the charging process.

STEPS TO CHARGE BATTERY:

1) IMPORTANT: BEFORE YOU ATTEMPT TO CHARGE THE MINIMOTO™ ATV, REMOVE THE KEY FROM THE LOCK.

2) Lift up the rubber protective cover of the charger receptacle (Fig 11)



Fig 11

3) Note that the charging port has a “groove” inside (Fig 12). This allows the plug to be inserted in the proper orientation to the port. Plug the charger into the port.



Fig 12

4) Plug in the charger into an electrical outlet.

5) Inspect that the RED or GREEN LED is On. If the RED LED is ON, the battery is charging. When properly charging the LED on the charger will change to red. After the battery is fully charged the LED will return to GREEN. If there is no GREEN or RED LED on at all, check that the power is on from the outlet and that the charger is properly plugged into the charging port.

NOTE: When properly charging, the RED indicator light on the charger will be ON. You may hear a clicking sound. This is normal. **MAKE SURE ANY SWITCHES CONNECTING THE ELECTRICAL OUTLET ARE SET TO THE ON POSITION.**

When the battery is fully charged, a Green light will be indicated on the charger.

6) Before using the Minimoto™ ATV for the first time, charge the battery for at least 12 hours. Never charge the battery for more than 30 hours.

7) It is recommended that you always recharge the battery for a period of 8 hours. However, 80% of the power will be charged into the battery in 4 hours. It is possible to use the Minimoto™ ATV after this period but the total running time will be reduced.

8) Remove the charger plug from the charging port. Replace the rubber protective cover over the charging port.

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BATTERY CARE:

If a battery appears to be leaking, avoid contact with the leaking materials. Place the battery in a plastic bag.

WARNING: This liquid and contents of the battery are highly acidic. Wash your hands immediately and thoroughly for a minimum of 15 minutes. Call a physician. Do not touch your face or eyes. If acid is internally ingested, IMMEDIATELY give water, milk, egg whites, or milk of magnesia. Never give emetics or induce vomiting. CALL A PHYSICIAN IMMEDIATELY.

- Use ONLY a Minimoto™ 36 volt replacement battery.
- Never charge the battery for more than 30 hours.
- Charge the battery after each use.
- Avoid running the battery completely as this will greatly shorten their useable life.
- Never leave the battery in an uncharged condition. This will perma-

nently damage it and prevent it from being able to hold any charge.

- Disconnect the battery from the wiring if the Minimoto™ ATV is to be stored for more than 2 months.
- Do not store the batteries in temperatures above 122 degrees F or lower than 32 degrees F.
- Check to make sure the battery are securing in place before riding the ATV. Tighten the battery retainer if necessary.

Battery Charger specifications for world-wide standard:

Country	Input	Output	Polarity	Shape
U.S./Canada Taiwan/Japan	A.C. 100-120V 60Hz	d.c. 36V 2000mA	Bare 	
U.K./Hong Kong/ Singapore/Malaysia/ Africa	A.C. 220-240V 50Hz	d.c. 36V 2000mA	Bare 	
Europe/Germany/ Israel	A.C. 220-230V 50Hz	d.c. 36V 2000mA	Bare 	
Australia/ New Zealand/China	A.C. 240V 50Hz	d.c. 36V 2000mA	Bare 	



MINIMOTO™ ATV



RIDING RULES:

STRONGLY RECOMMEND RIDERS NOT TO RIDE THE MINIMOTO™ ATV UNDER 32 DEGREES F TO PREVENT COLD TEMPERATURE DAMAGING THE ATV.

DIRECT ADULT SUPERVISION IS REQUIRED WHEN RIDING.

Adults should teach the appropriate safety rules and methods before allowing anyone to ride the Minimoto™ ATV. The rules should be reviewed with any children in the vicinity that may want to ride the ATV.

- 1)** The following areas are to be avoided when riding the Minimoto™ ATV :
- Cars or traffic
 - Streets or alleys
 - Steps, curbs or steep inclines
 - Swimming pools, puddles, ice, or bodies of water
 - Any area that could potentially cause harm to humans, animals, or property. Ride only in areas where permission has been granted.
- 2)** Do not use on roads or public streets, as this is illegal and dangerous.
- 3)** Never ride the Minimoto™ ATV at night.
- 4)** Never ride with more than one rider. Maximum allowable weight of the rider should not exceed 200 lbs (90kg).
- 5)** Always wear appropriate shoes, clothing, and protective gear. Protective gear includes the use of a helmet, knee pads, and elbow pads (not included).

6) Do not use the Minimoto™ ATV for jumping, stunts or tricks. This product has not been designed for such use

7) Do not touch the motor or wheels while they are rotating.

8) Keep hands, face, feet, and hair away from all moving parts.

9) Do not ride down or across steep inclines. The Minimoto™ ATV just like a professional ATV can reach unsafe speeds, lose traction, or slide or collide with other objects. Ride only on level ground

10) Never ride near flammable liquids or vapors such as gasoline acetone or paint thinner. Keep all flammable materials away from the Minimoto™ ATV.

11) Never wear headphones or use a cell phone when operating.

12) Ride defensively. Remember that others around you may not see you or may be to involved in their own actions

13) Learn about and observe your local laws regarding use.

14) Riders must be over the age of 10 yrs. Keep away from small children.

PRE-RIDE CHECKLIST

YOUR MINIMOTO™ ATV IS JUST LIKE ANY VEHICLE. IT REQUIRES ROUTINE MAINTENANCE, SERVICE, AND INSPECTION TO OPERATE RELIABLY AND SAFELY.

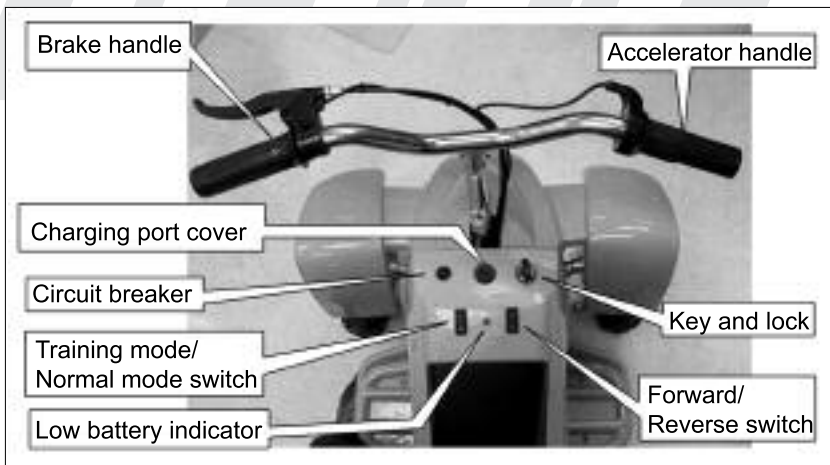
- LOOK OVER THE ENTIRE VEHICLE TO ENSURE THAT THERE ARE NO VISIBLE PROBLEMS WITH THE MINIMOTO™ ATV.
- CHECK THAT THE HANDLEBAR CLAMP IS TIGHT AND PROPERLY ALIGNED.
- CHECK THE TIRES, ENSURING THERE ARE NO CUTS OR EXPOSED CORDS OR THE TIRES ARE DEFLATED.
- CHECK THAT THE TIRE WHEEL NUTS ARE TIGHT AND THE WHEELS TURN PROPERLY.
- CHECK THAT ALL CABLES AND WIRES ARE NOT FRAYED, CUT OR BROKEN.

- CHECK ALL STEERING LINKAGES, RETAINER NUTS, AND ROD ENDS ARE NOT LOOSE AND ARE IN GOOD WORKING ORDER.
- PRESS THE BRAKE LEVER TO MAKE SURE THAT:
 1. THE BRAKE RELEASES AUTOMATICALLY.
 2. THE BRAKE HOLDS THE ELECTRIC ATV FROM BEING PUSHED FORWARD AND BACKWARD.
- CHECK THAT THE THROTTLE IS TIGHT ON THE HANDLE BAR.

MINIMOTO™ ATV CONTROLS AND SWITCHES:

The switches and controls (Fig 13):

Fig 13



HOW TO RIDE YOUR MINIMOTO™ ATV:

NOTE: It will take a little practice to get used to driving. Take it slowly and start in a location that is very open and away from obstacles or obstructions. Take steps to learn the proper way to use your left hand for braking purposes.

WE HIGHLY RECOMMEND THAT YOU START IN "TRAINING MODE" BEFORE USING "NORMAL MODE". THIS WILL GIVE THE RIDER A CHANCE TO BECOME COMFORTABLE WITH THE VEHICLE'S CONTROLS BEFORE PROCEEDING TO THE TOP SPEED.

WARNING: BEFORE DOING ANYTHING, REMOVE THE KEY FROM THE VEHICLE BEFORE ATTEMPTING ENTRY ONTO THE VEHICLE (Fig 14). THIS WILL PREVENT ACCIDENTAL ACCELERATION WHEN LOADING.



Fig 14

1) Check the "FWD/REV" switch is in the "FWD" (forward) position (Fig 15).



Fig 15

2) Step in the vehicle and carefully sit on the seat (Fig 16).



Fig 16

3) Place your feet on the foot pads on either side of the vehicle (Fig 17).



Fig 17

4) Move the Control switch to either Training Mode or Normal (Full Power) Mode (Fig 18).



Fig 18

5) Insert the Key and switch it to the ON position (Fig 19).



Fig 19

6) Put both hands on the handlebars without pressing the brake lever, **SLOWLY** rotate the accelerator handle on the driver's right side (Fig 20). The ATV should move forward. The more you rotate the handle, the faster the ATV will go.



Fig 20

7) To stop, pull the brake lever on the handle to the driver's left side (Fig 21).



Fig 21

Reversing the vehicle

If you need to reverse the vehicle for any reason, go to a **COMPLETE STOP** first. Next, move the FWD/REV switch to the "REV" position. Rotate the accelerator slowly and the vehicle will begin to move backward. [NOTE: Reverse speed is limited to a few miles per hour. You cannot run at top speed in reverse.] When finished reversing, go to another **COMPLETE STOP** and move the switch to the FWD position for forward motion.

TIP: You do not need to let off of the accelerator when you press on the brake. The power to the motor is automatically cut off when the brake pedal is pressed. This will help you conserve power and speed when driving.

BE CAREFUL: The Minimoto ATV™ can reach speeds up to 14 MPH on a level surface (depending on the surface terrain and the weight of the rider).

SPECIAL SAFETY WARNINGS

- 1)** When accelerating please ensure that you start slowly & precisely.
- 2)** The brake is designed to control speed as well as stop the vehicle. Practice braking for slow-down and smooth stopping.
- 3)** Never operate the accelerator handle when the rear wheels are off the ground or the ATV in an upside down position.
- 4)** Do not attempt to make sharp turns. The Minimoto™ ATV is not designed to do high speed cornerings. Attempting to do so may result in serious injury.



Abuse Detection Warning buzzer, Circuit breaker and Power shut down protection

Your Minimoto™ ATV has automatic protection systems built into it to prevent permanent damage to the electronic circuits.

Abuse Detection Warning Buzzer: Your ATV is equipped with a temperature and overloading current sensor to detect possible overheating and overloading of the electronic control box. Overheating or Overloading may occur if you run your ATV with too heavy a load, in too rough a terrain, or up too steep an incline.

1) If the temperature in the electronics is too high, the sensor will shut the vehicle down and a warning buzzer with a high pitch noise will last for 10 seconds.

If this happens, you must wait for the sensor to detect a lower temperature. This may take at least 5 to 10 minutes, depending on the outside air temperature during the ride. The ATV should work as normal again, after the reset.

2) If a overloading current occurs, the buzzer will beep for 2-3 seconds and shut the vehicle down at the same time.

Release the accelerator to reset the ATV. Rotate the accelerator again to resume riding.

When a overloading current occurs causing the vehicle to stop operating and NO buzzer is heard, refer to Circuit Breaker Protection and Reset section.

Circuit Breaker Protection and Reset: If the ATV stops working and you hear NO BUZZER, check to see if the Circuit Breaker button has “popped up” (Fig 22). WAIT ten seconds and press the black button in the center of the Circuit Breaker down. If the button stays down, the Circuit Breaker is reset. If not, wait longer until it has cooled down enough before pressing the button.



Fig 22

Low Power LED Indicator:

When the battery is low and almost completely drained of power, the Low Power LED on the front console (Fig 23) will light up and the vehicle will start to noticeably slow down. This will help you conserve power to get your ATV back to the charging area as soon as possible.

If you continue to run the ATV too long without recharging the battery, the ATV will automatically shut down. You will see that the RED LED is 'ON' but the vehicle will not move. At this point, YOU MUST RECHARGE the ATV to get it to run again.

IF YOU LOSE THE KEY:

Spare Keys can be obtained by calling the Minimoto™ Service Center for a fee. You can also have your key duplicated at any key shop or kiosk. It is a good idea to store the extra keys provided in a safe place.



Fig 23

TIRE INFLATION PROCEDURE: TIRE REPAIR:

IMPORTANT:

Before inflating any tire, make sure the KEY is removed from the vehicle.

To inflate a tire, unscrew the protective cap from the valve stem and attach the bicycle pump as you would with any bicycle.

WARNING: Tire inflation must be done ONLY BY AN ADULT ONLY. NEVER inflate the tires above 30 PSI. Tires should be inflated with a standard “bicycle” type pump. Inflation at an Automobile service station can easily result in over inflation of the tires. Over inflation of the tires can result in serious injury or even death.

Tires MUST be at the proper inflation in order to achieve good handling characteristics and control. Over inflation will make the tires “bulge” outward. This will cause premature wear of the tire. Under inflation will cause the tire to look flat on the ground. This will result in poor running speeds and handling. Make sure that your tires are properly inflated to get the most out of your vehicle.

In the event that a tire should consistently loose air pressure, the tires can be repaired at a local bicycle repair shop.

The tires have an inner tube construction.

WARNING: Inspect tires regularly.

- 1)** If the tire tread is worn to the point where the grooves are difficult to see, replace the tire(s) immediately.
- 2)** If the tire tread shows uneven wear, check the axle to make sure the wheel is loaded evenly and correctly. Uneven wear may be a sign of uneven loading.
- 3)** If the rims (wheels) are bent or cracked, they must be replaced.

TIRE ROTATION:

The rear tires will wear unevenly as the forces placed on them are different. The Right Rear tire does all the braking and delivers all the power to the ground.

Replacement tires can be obtained from the Minimoto Service Center. Email your request at

customerservice@teamminimoto.com

WARNING: Disconnect the battery before removing the tires. This will ensure no possibility of the motor or wheel running accidentally while working in this area. Refer to page 18 steps 1-3 "Replacing the battery" in this instruction manual for this operation.

To ensure that your tires last as long as possible, it is recommended that you rotate the tires as the tread pattern wears down. Most likely, the RIGHT REAR tire will wear heavier than the left (depending on your driving habits). When the Right Rear tire appears to show some wear, rotate the tires between the left and right. This way you can stretch the useable life of the tires out over a longer period of time.

1) Raise the ATV and lay it on its side (**Fig. A**) Make sure that the ATV will not fall to its side and injure anyone. Use a work bench if possible.



Fig A

2) Open the valve cap on the valve stem of the tire.



Deflate the tire by pushing the valve pin inside the valve stem. (**Fig. B**)

Fig B

3) Using the wrench (not provided) and allen key remove the five bolts and nuts on the hub of the wheel. (**Fig. C**)



Fig C

4) Lift and remove the top hub from the axle. Remove the tire and place aside. (**Fig. D & Fig. E**)



Fig D



Fig E

5) Place the new tire (or from another wheel) onto the bottom hub on the axle. Reconnect the two hubs with the tire in between and align the screw holes. Make sure the valve stem is also inserted to the hole in the top hub. Tighten the bolt and nuts in reverse order. (**Fig. F & Fig. G**)



Fig F



Fig G

6) Inflate the tire with a foot pump until 30Psi.

7) Reconnect the battery and ride as normal.

IMPORTANT: Make sure the wheel nuts and bolts are properly tightened before driving.

REPLACING THE BATTERY:

1) Check to make sure the Key is removed from the vehicle.

2) Using a Phillips screwdriver, to remove the screws on the Left Side of the battery box beside the left foot pedal (Fig 24).

**Fig 24**

3) Remove the battery box from the vehicle and disconnect the battery wire (Fig 25).

**Fig 25**

4) Use the Allen Key and Wrench at the same time to remove the bolt (as shown) and nut (under the battery box) that secures the Battery Retainer until the Battery Retainer has some slack. (Fig 26)

**Fig 26**

TIP: You don't need to remove the bolts and nuts entirely. You only need enough

space between the Battery Retainer and the Battery to slide the Battery out. This will help with reassembly.

6) Carefully lift and slide the battery out from the opened side of the battery box.

NOTE: THE BATTERY IS VERY HEAVY. USE CAUTION SO THAT YOU DO NOT STRAIN YOUR BACK OR MUSCLES.

7) Replace the battery with a new one and reconnect the plug.

8) Re-tighten the nuts from underneath the battery box and the battery retainer using the Allen Key and wrench in reverse order.

IMPORTANT: Make sure the battery does not move and the retainer is tightly fastened. If the battery is allowed to move, damage may occur to the battery, battery box, or connectors.

9) Replace the battery box in reverse order

10) Charge the new battery before attempting to drive the vehicle again. (See page.8 for details, steps 1-6)

NOTE:

- Use only Minimoto™ replacement batteries.
- Battery is to be inserted with the correct polarity
- Do not short circuit the battery and connectors.
- Non-rechargeable battery is not to be charged

- Remove old or dead battery from Minimoto™ ATV if they do not accept a charge.
- Only battery of the same or equivalent type as the recommended battery is to be used.
- Battery charging must be done by ADULTS only.

BATTERY DISPOSAL:

Always dispose of unwanted or used batteries in a safe and environmentally friendly manner. DO NOT throw the batteries into your regular household trash. Law prohibits the disposal of lead-acid batteries by incineration, placing them in a land-fill, or mixing them with other rubbish.

NEVER expose the batteries to FIRE. The batteries may leak or explode.

Always return your unwanted batteries to a local federal or state approved lead-acid recycling center or an authorized automobile battery seller. For residents in the states of Florida and Minnesota, it is ILLEGAL for anyone to attempt to dispose of lead-acid batteries in a municipal waste stream.

Replacing the chain if it "pops off"

WARNING: Whenever removing the protective chain cover, YOU MUST DISCONNECT the battery first. This will ensure no possibility of the motor or chain running accidentally while working in this area. Refer to the section on "Replacing the battery" in this instruction manual for this operation.

It is possible that under extreme conditions the chain may pop off. If this occurs, the motor will run but the rear wheel will not turn under power. The chain can be replaced onto it's original position by following these instructions:

IMPORTANT: Make sure the ignition key is removed from the key switch. Work on a work bench or in an area with plenty of space.

- 1) Use a phillips head screwdriver to remove the supporting screws attached between the chain cover and the frame (Fig 27).



Fig 27

- 2) Use a phillips head screw driver to remove the screws and separate the upper and lower chain cover pieces (Fig 28).



Fig 28

- 3) Place the chain over the MOTOR gear first. Use your fingers to keep some tension on it (Fig 29).



Fig 29

- 4) Place the chain on the top of the rear wheel gear about half way around (Fig 30).



Fig 30

- 5) Carefully rotate the wheel so that the entire chain pops back onto the gear. (Fig 31).



Fig 31

- 6) Replace the chain covers in reverse order.
- 7) Replace the supporting screws holding the chain cover to the frame in reverse order.
- 8) Reconnect the battery and ride as normal.

BRAKE ADJUSTMENT:

IMPORTANT! You must inspect the adjustment of the hand brake before attempting to ride on your MINIMOTO™ ATV.

The brakes will need to be adjusted over time. Tightening or loosening the brake adjustment knob can obtain minor brake adjustments. This knob is located next to the hand brake. To do this adjustment, loosen the nut and turn the conical shaped knob to adjust the brake (Fig. 32). Retighten the knob with the nut when the appropriate feel of the brake is found (Fig. 33).



Fig 32



Fig 33

REAR DISC BRAKE ADJUSTMENT:

IMPORTANT! Always remove the key from the ignition and disconnect the battery to prevent the Minimoto™ ATV from moving when working on the rear disc brake.

If more drastic adjustment is required to the brakes, the following steps are to be proceeded before attempting to ride your Minimoto™ ATV.

1. First remove the screws using a Phillips head screwdriver, attaching the chain cover to the frame. (Fig. 34)



Fig 34

2. Remove the screws from the chain cover separating the upper and lower chain cover. (Fig. 35 and Fig. 36)



Fig 35



Fig 36

3. Use a Phillips head screwdriver to remove the screws connecting the frame and the rear brake disc cover (Fig. 37, Fig. 38)



Fig 37



Fig 38

4) Remove the screws on the Rear Disc Brake Cover to separate the upper and lower Rear Disc Brake Cover. (Fig. 39, Fig. 40)



Fig 39



Fig 40

5) Use the provided Allen Key to loosen the bolt, without removing, that connects the cable to the disc brake caliper. (Fig. 41)



Fig 41

6) When the nut is loosened, squeeze both the pieces inbetween the spring together to increase the tension of the spring. While holding the two pieces together, remove any slack in the brake cable and then retighten the nut when the spring is still in tension. (Fig. 42) Check by pulling the brake lever to see if there is enough tension in the brake cable to hold the Minimoto™ ATV from moving.



Fig 42

7) Replace the Rear Disc Brake upper and lower cover in reverse order. Make sure the Rear Disc Brake cover is securely tightened together and to the framework of the Minimoto™ ATV.

8) Replace the upper and lower chain cover in reverse order. Securely fasten the chain cover to the frame, making sure that it does not move.

TROUBLE SHOOTING:

Problem	Probable Cause	Solution
THE ATV DOES NOT RUN.	1) THE KEY IS IN THE "OFF" POSITION 2) YOU ARE SQUEEZING THE BRAKE HANDLE 3) THE BATTERY IS LOW. 4) THE CIRCUIT BREAKER HAS "POPPED-UP" 5) THE CHARGER IS NOT WORKING 6) THE BATTERY IS DEAD 7) THE WIRES ARE LOOSE.	1) MOVE THE KEY TO THE ON POSITION 2) RELEASE THE BRAKE HANDLE AND TWIST THE ACCELERATOR HANDLE. THE BRAKE HANDLE CUTS ALL CURRENT TO THE MOTOR WHEN THE BRAKE IS APPLIED. 3) CHARGE THE BATTERY. 4) WAIT 10 SECONDS AND PRESS THE BLACK BUTTON OF THE CIRCUIT BREAKER DOWN TO RESET IT 5) CHECK TO SEE IF THE WALL SOCKET IS IN THE "ON" POSITION AND THE RED LIGHT ON THE CHARGER IS ON WHILE CHARGING. 6) IF THE BATTERY IS OLD OR HAS BEEN ABUSED, IT WILL NEED TO BE REPLACED 7) CHECK ALL CONNECTORS.
THE ATV WAS RUNNING BUT IT SUDDENLY STOPPED.	1) LOW BATTERY VOLTAGE 2) CIRCUIT BREAKER HAS "POPPED-UP" 3) LOOSE CONNECTORS	1) THE ELECTRONIC CIRCUIT WILL AUTOMATICALLY DETECT WHEN THE VOLTAGE IS TOO LOW FOR THE ATV TO RUN THE RED "LOW POWER" LED ON THE FRONT CONSOLE WILL COME ON AND THE POWER WILL SHUT DOWN. RECHARGE THE BATTERY. 2) WAIT 10 SECONDS AND PRESS THE BLACK BUTTON ON THE CIRCUIT BREAKER TO RESET. 3) CHECK ALL ELECTRICAL CONNECTIONS, INCLUDING THE ONE THAT ATTACHES TO THE ACCELERATOR PEDAL.
THE ATV IS IN "ON" MODE BUT WHEN I TWIST THE ACCELERATOR HANDLE, THE BACK WHEELS WON'T TURN.	1) THE CHARGER IS STILL CONNECTED 2) MAKE SURE YOU ARE NOT SQUEEZING ON THE BRAKE	1) DISCONNECT THE CHARGER 2) REMOVE PRESSURE FROM THE BRAKE HANDLE AND TRY AGAIN.
MOTOR WILL RUN BUT THE ATV DOES NOT MOVE.	BROKEN CHAIN	REPLACE CHAIN
I HEAR A "BEEPING" SOUND AND THE ATV SUDDENLY STOPPED.	YOU ARE RUNNING THE VEHICLE TOO HARD, IN TOO ROUGH TERRAIN, UP TOO STEEP AN INCLINE, OR WITH TOO HEAVY A LOAD	WAIT 10 SECONDS OR UNTIL THE BEEPING STOPS TO TRY AGAIN.
ONLY THE RIGHT TIRE MOVES THE VEHICLE. THE LEFT TIRE DOESN'T SEEM TO HAVE ANY POWER	THIS IS NORMAL. THE RIGHT SIDE TIRE PROVIDES THE POWER TO THE GROUND AND LEFT SIDE PROVIDES THE BRAKING ACTION.	NO ACTION NECESSARY.
THE ATV SUDDENLY STOPPED BUT I DON'T HEAR ANY BUZZERS OR SEE THE RED "LOW POWER" LED ON.	THE CIRCUIT BREAKER MAY HAVE "POPPED-UP".	WAIT 10 SECONDS AND PRESS THE BLACK BUTTON IN THE CENTER OF THE CIRCUIT BREAKER DOWN. TRY AGAIN

Problem	Probable Cause	Solution
THE RED "LOW POWER" LED IS ON AND THE VEHICLE SEEMS TO MOVE SLOWLY	THE BATTERY IS LOW.	DRIVE THE VEHICLE IMMEDIATELY TO THE CHARGING AREA AND RECHARGE THE BATTERY.
THE VEHICLE MOVES IN REVERSE	THE SWITCH ON THE FRONT CONSOLE IS IN THE "REV" POSITION.	MOVE THE SWITCH TO THE "FWD" POSITION
THE CHARGER GETS WARM WHEN I RECHARGE THE BATTERIES	THIS IS NORMAL	NO ACTION REQUIRED
THE BATTERY ONLY LASTS ABOUT 20 MINUTES TO 30 MINUTES WHEN I RIDE THE ATV	THIS IS NORMAL	NO ACTION REQUIRED. RECHARGE THE BATTERY NORMALLY. LENGTH OF OPERATION DEPENDS ON THE TERRAIN, DRIVING STYLE, WEIGHT OF THE RIDER, AND BATTERY CONDITION.
THE CHARGER MAKES A SLIGHT SIZZLING OR GURGling SOUND WHEN IT RECHARGES	THIS IS NORMAL	NO ACTION REQUIRED.
WHEN I TRY TO RECHARGE THE BATTERY, I DON'T SEE A GREEN OR RED LED LIGHT UP.	ELECTRICITY IS NOT GOING TO THE CHARGER.	THERE IS NO PROBLEM WITH THE BATTERIES. CHECK TO SEE THAT THE SWITCH THAT CONTROLS THE SOCKET THAT THE CHARGER IS PLUGGED INTO IS IN THE ON POSITION.
THE CIRCUIT BREAKER "POPS-UP" TOO OFTEN	TO MUCH CURRENT IS BEING USED TO POWER THE ATV	1) MAKE SURE THE WEIGHT LIMIT IS NOT BEING EXCEEDED. 2) DO NOT RIDE THE ATV UP A STEEP GRADE. 3) THE RIDING SURFACE IS TOO ROUGH, RUN ON A SMOOTHER SURFACE.
THE ATV RUNS FOR LESS THAN 20 TO 30 MINUTES AFTER A CHARGE.	THE BATTERY IS UNDERCHARGED	1) THE FIRST TIME YOU CHARGE THE BATTERY, MAKE SURE THAT THE FULL 12 HOURS IS USED. LOOK TO SEE THAT THE LOW POWER LED INDICATOR IS NOT ON BEFORE ATTEMPTING A RUN. 2) IF THE BATTERY IS OLD, IT MAY NEED REPLACING.
THE GREEN LIGHT ON THE CHARGER NEVER COMES ON.	1) THE BATTERY IS NOT BEING PROPERLY CHARGED. 2) THE CIRCUIT BREAKER IS BLOWN. 3) THE BATTERY IS TOO OLD OR HAS BEEN ABUSED	1) MAKE SURE ALL CONNECTORS ARE CLEAN. REPAIR IF NECESSARY AND THE PLUG IS PROPERLY PLACED IN THE ATV'S RECEPTACLE. 2) MAKE SURE THE BLACK BUTTON ON THE CIRCUIT BREAKER IS PRESSED DOWN. 3) REPLACE THE BATTERY
THE ATV RUNS SLUGGISHLY	1) THE BATTERY IS UNDERCHARGED. 2) CHECK TO SEE IF THE SWITCH IS IN "TRAINING MODE". 3) THE BATTERY IS OLD 4) THE CONDITIONS AND SURFACES YOU ARE ON ARE TOO EXTREME 5) THE ATV IS OVERLOADED	1) CHARGE THE BATTERY 2) MOVE THE SWITCH TO "NORMAL" MODE 3) EVEN UNDER PERFECT CONDITIONS, THE BATTERY WILL ONLY LAST ABOUT 1 TO 2 YEARS. IF YOUR BATTERY IS OLD OR HAS BEEN ABUSED OR LEFT UNCHARGED FOR A LONG PERIOD OF TIME, IT MAY NEED REPLACING. 4) TRY TO RUN ON SMOOTH, FLAT SURFACES ONLY 5) MAKE SURE THE RIDER DOES NOT EXCEED THE 200 LBS LIMITATION.

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If you have tried these solutions but the problem still exists, contact the Minimoto Service Center for advice or assistance. They will assist you in getting quickly back to play. PLEASE CHARGE THE BATTERY FULLY (if possible) before calling the center as this will speed up the checklist. Have the ATV near the phone so you can do the various tests quickly

LIMITED WARRANTY AND REGISTRATION:

The manufacturer warrants this product, including the battery, to be free of manufacturing defects for a period of 180 days from the date of purchase. This Limited warranty does not cover the normal wear and tear, tires, inner tubes, cables, or any damage, failure, or loss caused by improper assembly, set up, storage, or maintenance of the Minimoto ATV. PLEASE SAVE YOUR ORIGINAL SALES RECEIPT.

The warranty is VOID if the product is used in any other manner than recreation or transportation, is modified, or used in for commercial purposes. The warranty does not cover the vehicle or battery damaged by unreasonable use, neglect, accident, abuse, misuse, improper service, or other causes not arising out of defects or workmanship.

Evidence of any attempt of repair done by the consumer (other than tires and normal adjustments) will void the warranty.

This warranty does not cover, and is intended to exclude, any liability on the part of the manufacturer, whether under this warranty or implied by law or any indirect or consequential damages for breach of warranty. Toyquest's and the manufacturer's liability hereunder is expressly limited to the replace of goods not complying with the warranty of, or at Toyquest's election, to the repayment of and amount equal to the purchase price of the product in question. Some states do not allow the exclusion or limitation so this limitation may not apply to you.

WARRANTY DOES NOT INCLUDE REPLACEMENT OF NORMAL WEAR AND TEAR OF EITHER BRAKE PADS OR TIRES. IT ALSO DOES NOT INCLUDE BODY OR FRAME PARTS DAMAGED DUE TO ACCIDENT, ABUSE, OR IMPROPER ASSEMBLY.

Check local laws and regulations in your area before riding to determine where you can legally ride your Minimoto™ ATV.



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REGISTRATION CARD:

To obtain warranty repairs or assistance, you must contact the Minimoto Service Center before the warranty expires.

Contact is most easily arranged by email:

customerservice@teamminimoto.com

It is also possible to register by mailing the included form to the following address:

**Toy Quest
C/O
Minimoto Service Center
1800 N. 9th Street
Indianola,
Iowa 50125**

VIN LOCATION:

Each Minimoto ATV has a unique VIN (vehicle identification number) inscribed on a plate on the chassis. The location of this VIN is a stamping on the framework behind the Left rear wheel cover plate (Fig 43). You will need to locate this information when registering and applying for warranty service.





















Fig 43

PLEASE SAVE YOUR ORIGINAL RECEIPT.




















This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

APPENDIX:

Spare part list for Minimoto™ ATV:

Spare Part Number	Spare Part Name	
23293-MIS-301	36 volt battery charger	
23293-MIS-302	Brake switch assembly	
23293-MIS-303	Charging port with connector	
23293-MIS-304	Electronic control box	
23293-MIS-305	Low battery indicator with connector	
23293-MIS-306	36 volt battery	
23293-MIS-307	Brake cable	
23293-MIS-308	Circuit breaker with connector	
23293-MIS-309	Front/Rear tire with inner tube	
23293-MIS-310	Key switch	
23293-MIS-311	Motor	
23293-MIS-312	Throttle switch assembly	
23293-MIS-313	Chain	
23293-MIS-314	Disk brake	
23293-MIS-315	Handle assembly bottom	
23293-MIS-316	Keys	
23293-MIS-317	Tool kit	
23293-MIS-318	Rear device axles assembly	

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Spare Part Number	Spare Part Name	
23293-MIS-319	Forward / Reverse : Normal / Training switch with connector	
23293-MIS-320	Front Suspension	
23293-MIS-321	Rear Suspension	
23293-MIS-322	Nut and bolt assembly	
23293-MIS-323	Air valve cap	
23293-MIS-324	Handle grips	
23293-MIS-325	Instruction manual	
23293-ASM-301	Handle bar	
23293-ASM-302	Body seat assembly	
23293-ASM-303	Main body	
23293-ASM-304	Chain cover	
23293-ASM-305	Foot pedals	
23293-ASM-306	Front cover	
23293-ASM-307	Battery box	
23293-ASM-308	Charging port cover	
23293-ASM-309	Front wing	
23293-ASM-310	Battery Retainer	
23293-ASM-311	Brake cover assembly	
23293-ASM-312	Front bumper	



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