

ROSSO E-QUAD X

ELECTRIC ATV



OWNERS MANUAL - EN

PRIOR TO FIRST USE, READ THIS MANUAL COMPLETELY AND ATTENTIVELY! IMPERATIVELY FOLLOW THE SAFETY INSTRUCTIONS!
NONOBSERVANCE CAN LEAD TO PERILOUS INJURIES! CAREFULLY KEEP THIS MANUAL!

PLEASE INSPECT YOUR EQUAD X UPON ARRIVAL AND REPORT ANY DAMAGES THAT MAY HAVE OCCURRED DURING SHIPPING
(For purchases after July 2023 see last page for additional information)

General information:



WARNING: Riding an electric ATV can be dangerous. Like other electric products, electric ATVs can and are 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 electric 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 IS REQUIRED

This manual contains important safety information. It is your responsibility to review this information and make sure that all riders understand all warnings, cautions, instructions and safety topics and assure that young riders are able to safely and responsibly use this product.

Rosso Motors recommends that you periodically review and reinforce the information in this manual with younger riders, and that you inspect and maintain your children's electric ATV to insure their safety. 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 and remember that this product is intended for use only by persons who are, at a minimum, completely comfortable and competent while operating the product.



DO NOT EXCEED THE WEIGHT LIMIT OF 90 POUNDS. Rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of the electric ATV.

Do not touch the brakes or electric motor on your electric ATV when in use and/or immediately after riding as they can become very hot.

Always check and obey any local laws or regulations which may affect the locations where the electric ATV may be used.

Ride defensively. Maintain a hold on the handlebars at all times.

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.

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

Do not activate the throttle on the hand grip unless you are sitting properly on the electric ATV and in a safe, outdoor environment suitable for riding.

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

Be careful and know your limitations. Risk of injury increases as the degree of riding difficulty increases, The rider assumes all risk associated with aggressive riding activities.

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

Never use near steps or swimming pools.

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

Never use headphones or a cell phone when riding.

Never hitch a ride with another product.

This ATV has tires designed for off road conditions, riding on concrete, asphalt or pavement will cause additional wear to tires.

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

Wet, slick, bumpy, uneven or rough surfaces may increase risks of use. Do not ride the electric ATV 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 ATV indoors.

Do not ride at night or when visibility is limited.

PROPER RIDING GEAR

Always wear proper protective equipment such as an approved safety helmet, elbow pads and knee pads.



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 (lace-up shoes with rubber soles), never ride barefooted or in sandals, and keep shoelaces tied and out of the way of the wheels, motor and drive system.

Assembly:

(For purchases after July 2023 see last page for additional information)

- The ROSSO eQuad X requires minimum assembly.
- Please follow instructions below in order to get your eQuad X assembled properly
- An assemble video can also be found at <https://youtu.be/391UgZp587k>
- The ATV comes protected by a metal frame. Unbolt the frame connections, cut any cable ties and remove the upper portion of frame. Unbolt the brackets holding the ATV in place and pull the ATV off the lower portion of the frame.

1. Check hardware box contents:

Charger



Charging Adapter

(for charging your battery separately from the ATV)



Handlebar Clamp



Fuses (x2)



3 Speed Switch Keys



Forward/Reverse Shift Knob



Reflectors and Mounting Nuts



Tool Kit

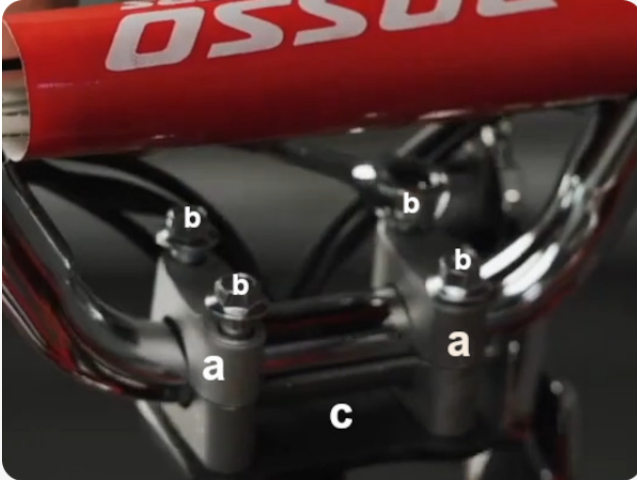


2. Handlebar installation:



Failure to properly adjust and tighten the bolts can cause loss of control and crash.

Attach handlebar clamps (a) over top of the handlebars with the included bolts (b), correctly position the handlebars, tightening the bolts into place in the handlebar channel (c) which is now integrated into the steering column.



NOTE the handlebar mount (left image) has been updated, the handlebars now sit directly in the curve at the top of the steering column (right image) and is bolted into place with the 2 individual top clamps

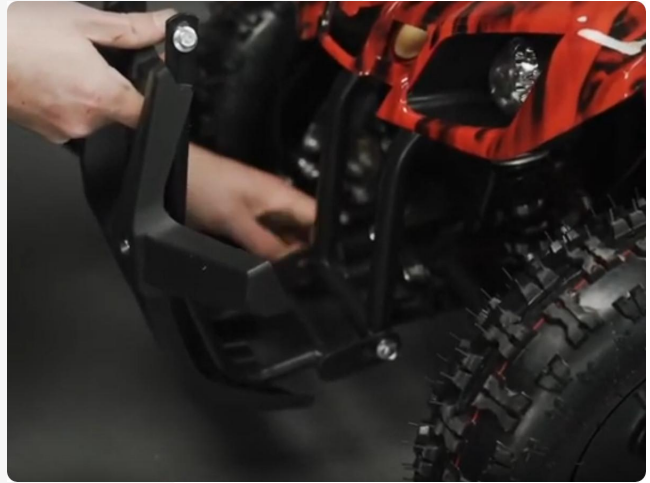
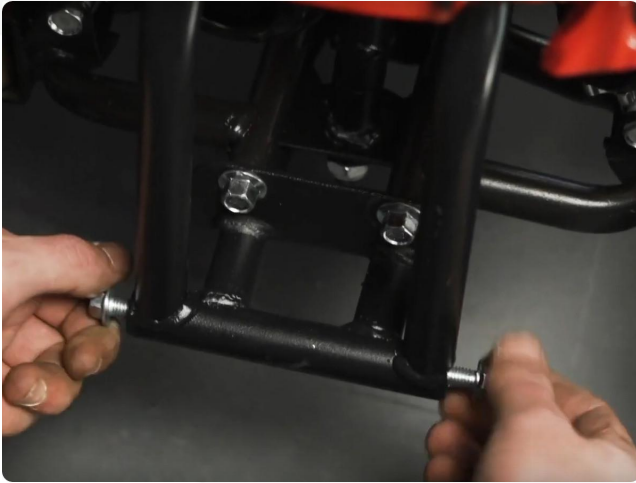
3. Forward/Reverse Shift Knob Installation:

Place the shift knob onto the gear shift switch located in the body between the handlebars and seat and tighten it down with the included screw.



4. Front rack and bumper installation:

Ensure the plastic bumper piece is attached to the metal bumper with provided bolts. Remove the bolts from the bottom mount on the front of the frame, position the bottom holes of the bumper over the mount holes and hand tighten the bolts back into place.



Remove the bolts from the top of the bumper, align the holes on the bumper with the ones on the front of the front rack, then replace the nuts and bolts, hand tightening for now.



Locate and remove the rack mounting bolts in the body, align the holes on the bottom of the front rack with the holes in the body, then replace the nuts and bolts.



Once the rack and bumper are in place, tighten all bolts in this step.

5. Rear rack installation:

Remove the bolts from the rear rack mount located on either side of the tail light. Align the holes of the rack with the holes of the mount and replace and tighten the bolts.



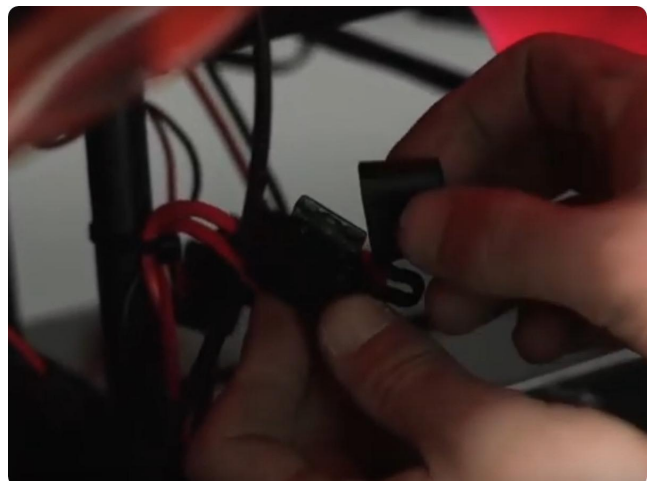
6. Reflector installation:

Place each of the reflectors, 2 orange for the front, 2 red for the rear, into the reflector brackets on each rack, then secure them with the included nuts.



7. Fuse & battery connections:

Disconnect the battery, locate the fuse case on the red positive battery wire, insert one of the included fuses, secure the cap back on the case, and reconnect the battery.



8. Final adjustments

Adjust the position of the brake levers, secure them in place by tightening the single bolt.



Ensure the seat is secure. Position the clip at the front of the seat under the bracket located within the body and then press firmly on the back of the seat to snap it into place.



(Please note that the front clip simply slides under the bracket, the holes in the bracket are from a previous difficult to install version of the seat and there was no need to update the frame for the current easy secure seat!)

Your eQuad X doesn't come fully charged and we recommend fully charging it before your first use. See the operations section for full details on charging.

eQuad X Components:



(a) forward/reverse gear switch

(b) battery w/ charging port

(c) controller

(d) 800W motor

(e) 3 speed switch (left side) & ignition switch (right side)



(f) throttle/battery meter & front brake

(g) rear brake & headlight/horn buttons

(h) headlights

eQuad X Operation:

Basic Operation

With the ATV powered on, gently twist the throttle until the desired speed is reached. Release the throttle and squeeze both brake levers to stop.

Charging

Step 1 - Turn your electric ATV off (see instructions page 11)

Step 2 - Plug the charger into your wall outlet, if the indicator light does not come on double check your outlet has power.

Step 3 - Plug the charger into the charging port located on the left side of the battery box.



The time for a full recharge is **6-8 hours**, the indicator on your charger will turn from **red** to **green** when charging is complete. Always charge the battery immediately after riding.

To charge the battery **separately** from the atv, first disconnect the lead from the battery connecting it to the ATV, then remove the bracket holding it in place and pull out the battery box. Connect the charging adapter to the lead from the battery and then connect the charger to the adapter. Charge as previously instructed.

Note: If the charger gets warm during regular use, this is a normal response 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.



Fully charge battery before storing for an extended period of time and then every 4-6 weeks. Failure to recharge battery periodically may result in reducing battery life time and can result in a battery that will not accept a charge.

Make sure the electric ATV power switch is turned OFF when the unit is not in use.

To ensure long battery life, never store the product in freezing or below freezing temperatures! Freezing will permanently damage the battery.

Run time is up to 120 minutes of continuous ride time. Run time may vary depending on riding conditions, rider weight, climate, and/or proper maintenance. Constant stopping and starting may shorten ride time.

Charge the battery ONLY with the supplied charger. The charger supplied with the ATV should be regularly examined for damage to the cord, plug, enclosure and other parts. In the event of such damage, the ATV must not be charged until it has been repaired or replaced.





Chargers have built-in over-charge protection to prevent the battery from being overcharged. However do not leave charging overnight unattended. Unplug charger from the wall outlet when not in use.

Always disconnect the charger before wiping down and/or cleaning the ATV.

Ignition Switch / Alarm & Key Fob

Your Rosso eQuad X can be turned on using **2** different methods.

The ATV can be turned on manually by placing the key into the ignition switch (located on the right side of the ATV) and turning it to the on position. Once turned on manually, the ATV can **ONLY** be turned off by manually turning the key back to the off position.

The e Quad X also features remote start/stop via the included fob. Once the ATV has turned on remotely it can **ONLY** be turned off with the fob. To turn on the ATV remotely, press either the “unlock”  or “power”  button on your fob. To turn the ATV off, press the “lock”  button on the fob. To activate the alarm/horn press the  button.

Please note: The fob requires 1x CR2032 battery. (pre-installed)

To replace the fob battery first remove the key ring from the fob, then carefully, with a small screwdriver, pry off the silver side pieces. Once they are removed the 2 halves of the black fob body can be separated revealing the interior components and battery slot. Once a new battery is installed, reassemble the fob in the reverse order.

Battery Level Indicator

The battery level indicator is located on the throttle handle on the right handlebar. The lights indicate the current battery level (Max 100%, Mid 50%, Min 10%-needs charging) and are also an easy way to tell if your ATV is turned on. If you turn your ATV off and the lights do not turn off, it may indicate that it was started with the other method of power up. (Manual keys vs Remote fob)

3 Speed Switch

Using the provided speed switch keys, the speed setting can be changed by turning the key to the desired speed. Once the speed is set and keys removed the ATV is locked into that speed setting. Do not leave the key in the 3 speed switch while operating the ATV.

Speeds setting for your e Quad X are:

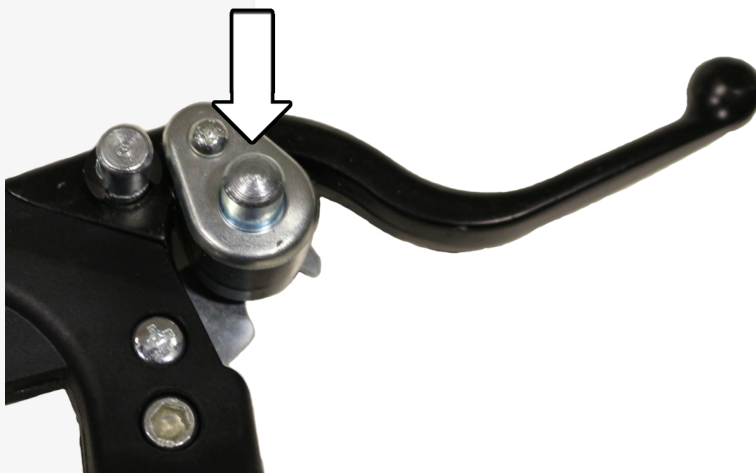
(L)ow - 4-8 km/hr(3-5 MPH) (M) - 12-14 km/hr(8-9 MPH) (H) 17-21 km/hr(11-13 MPH)

Gear Shifter

To change between forward and reverse, while stationary, turn the gear shift knob, located on the body between the rider's legs, to the desired position. Turn the knob to off for neutral. **Always bring the vehicle to a complete stop before changing gear, failing to do so will result in damage to the switch.**

Parking Brake

Locate the parking brake knob on the front brake lever on the right handlebar. To engage the parking brake, squeeze the front brake lever and press down the parking brake knob. To disengage the parking brake squeeze brake lever until the knob pops up.



Headlight/Horn switch

Located on the left handle bar the **green** horn button can be pressed to honk the horn. The **red** headlight switch is located directly beneath it and can be used to turn the headlights on and off.

Pre-Ride Checklist:



- ☐ **Brakes** - Check the brakes for proper function. When you squeeze the lever, the brake should provide positive braking action.
- ☐ **Tires** - Check tires periodically. Inspect tires for excess wear and replace as needed. (Please note riding on abrasive surfaces such as concrete or asphalt will increase tire wear.) Regularly check the tire pressure and inflate as needed. Recommended tire pressure is: 7 PSI. (Maximum: 20 PSI)
- ☐ **Frame and Handlebars** - Check for loose, cracked or broken connections. Although broken frames are rare, it is possible for an aggressive rider to run into a curb or object and wreck, bend or break the frame.
- ☐ **Hardware** - Check and secure all fasteners (nuts, bolts) before every ride. If the unit is damaged, do not ride it.



- ☐ **Rider** - Always wear proper protective gear, such as an approved safety helmet. Elbow pads, knee pads, pants and long sleeves are recommended. Always wear closed toe shoes and keep shoelaces tied and out of the way of the wheels, motor and drive system. **NEVER RIDE BAREFOOT OR IN SANDALS.**



- ☐ Always check and obey any local laws or regulations.

Maintenance:



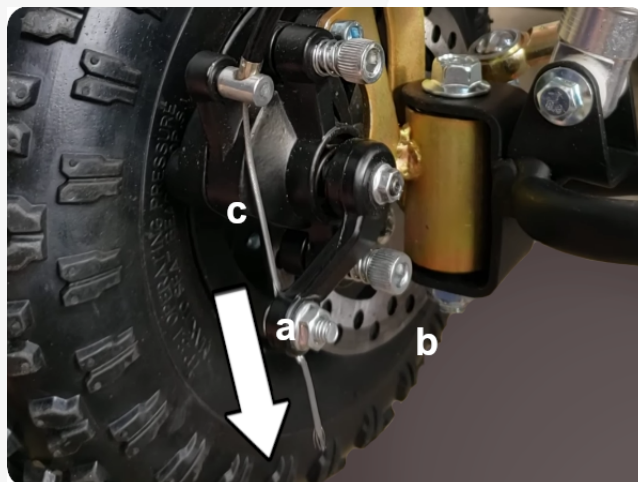
MAKE SURE YOUR EQUAD X IS PROPERLY TURNED OFF BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS

Brake adjustments



Failure to inspect and properly adjust brakes increases the risk of having an accident. Riding with worn brake pads can reduce braking performance and cause an accident. Check and adjust brakes if needed before each ride.

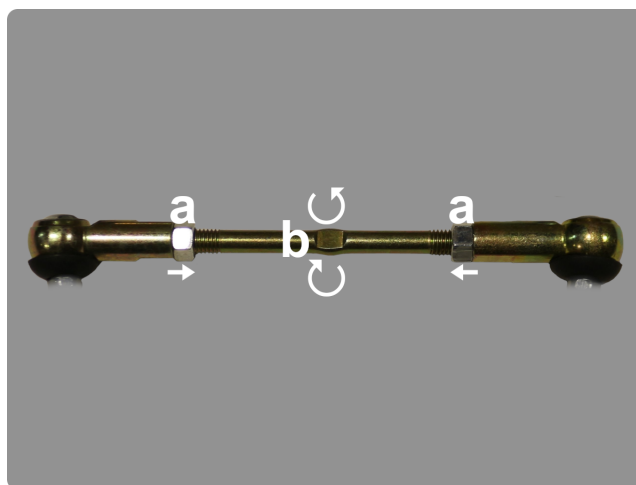
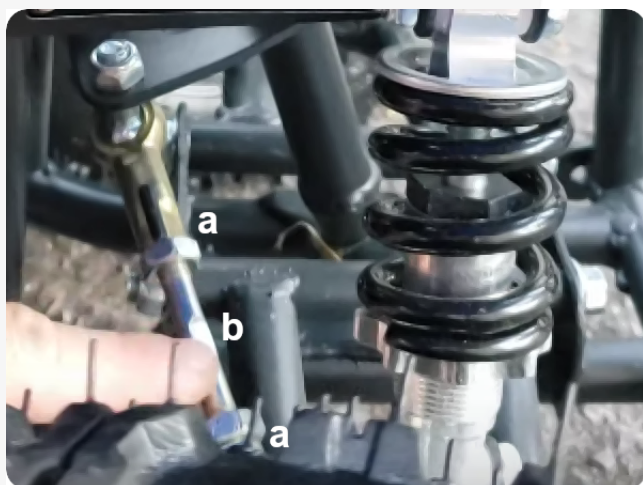
To adjust cable play on the left (rear) brake lever - tighten/loosen adjuster
To adjust cable play on the right (front) brake lever - tighten/loosen adjuster



To adjust the calipers, loosen (do not remove completely) anchor nut(a) and pull brake cable(c) until the brake pads are almost touching the rotor(b) (brake disc). Tighten the anchor nut(a).

Wheel Alignment

In the event that your wheels aren't straight the wheel alignment will need to be adjusted. Start with your handlebars on the ATV pointed straight forward. Locate the tie rod on the wheel to be straightened, the tie rod consists of a center rod and 2 ends. Each end is held to the center rod with a securing nut(a). Loosen the securing nuts(a) on both the tie rod ends, once both are loosened turn the center rod(b), this will turn your wheel in or out depending on the direction it's turned. Once the wheel is straight and in the correct position re-tighten the 2 securing nuts(a).

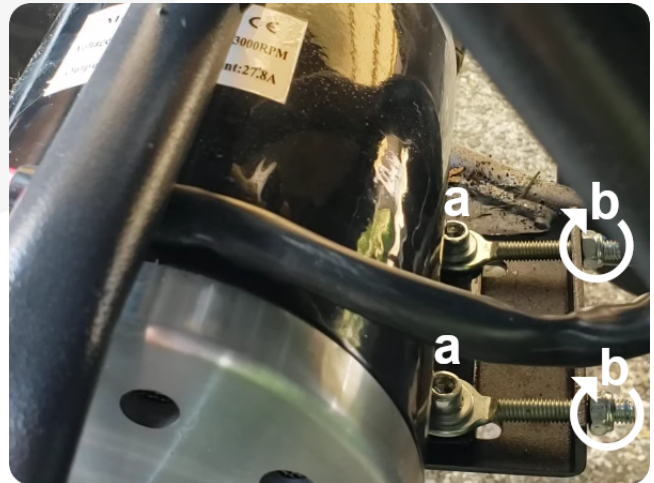
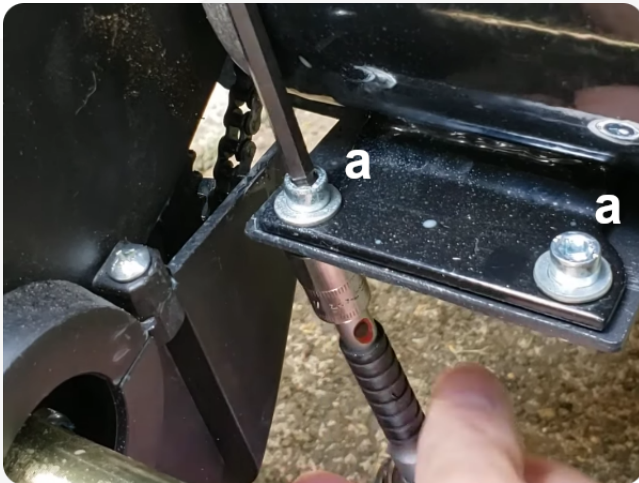


This procedure is the same for both sides of the ATV.

Chain

Your ATV is chain driven and should be periodically lubricated with lithium spray. The chain may make some clicking noises, this is **normal**. Always inspect, maintain or adjust the chain, if necessary, before each ride. Riding with a chain in poor condition or one improperly adjusted, can lead to serious injury. If you have a loose, wobbly or falling off chain, which may happen over time from stretching with use, it will need to be tightened. Before adjusting the chain, make sure the motor is cool. **Do not touch the motor after use. The motor will be, or can be, very hot.**

To tighten your chain, first loosen, but don't remove, the four nuts(a) securing the motor to the frame. (2 in front and 2 in behind) Once loosened the tensioners located in front of the motor can be adjusted to shift the motor forward tightening the chain. One at a time, turning clockwise, tighten the nut(b) on each chain tensioner, ensuring to tighten each side an equal amount. Adjust both tensioners equally until the chain is properly snug, do not over tighten your chain. Once your adjustments are complete retighten the 4 nuts(a) you previously loosened. Now is also a great time to lubricate your chain.

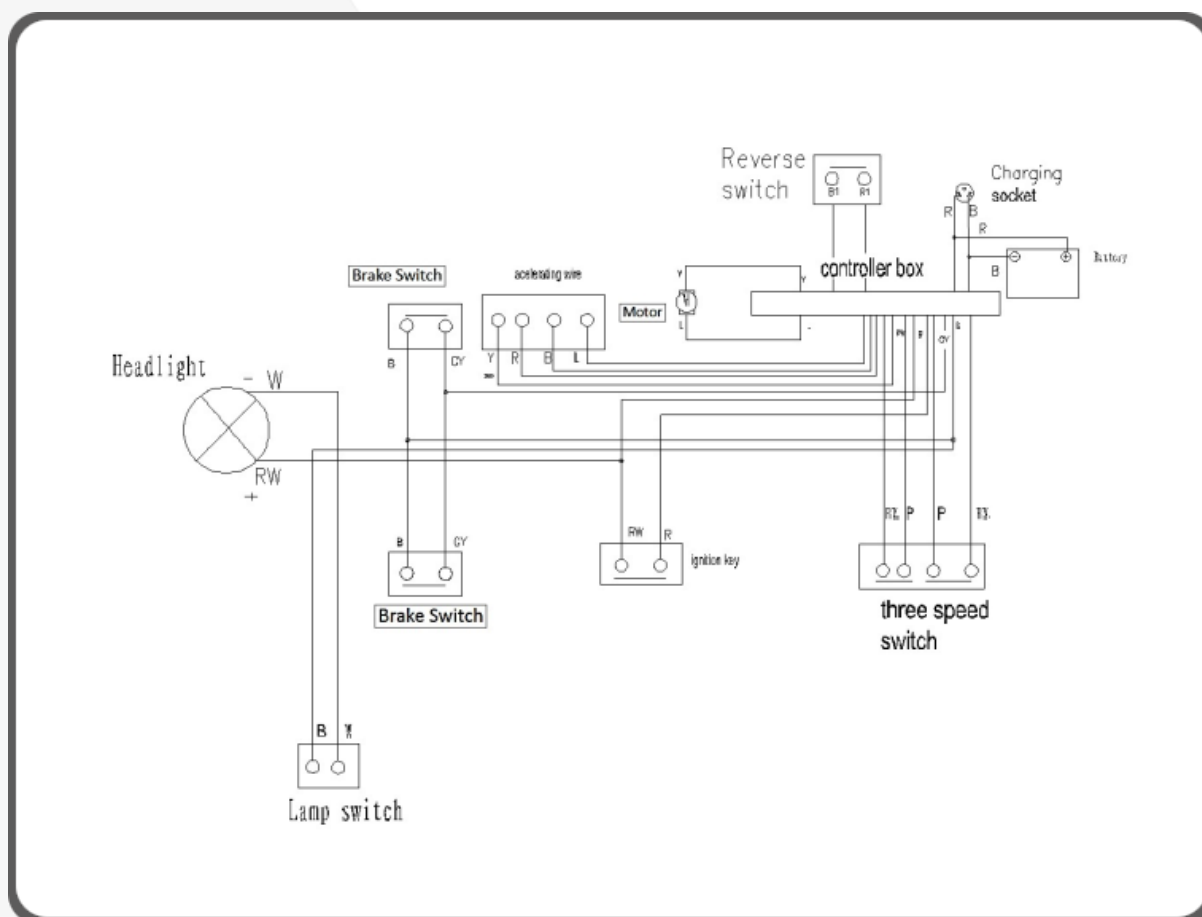


Troubleshooting

Problem	Possible Cause	Solution
Power does not turn on	Fuse not installed/burnt out	Replace fuse
	ATV is turned off	Turn main switch on / activate with remote fob
	Battery not connected	Connect battery
	Battery not charged	Charge battery
	Loose connection	Check connections on the battery, controller & main switch
Power ON but doesn't move	Throttle failure	Check throttle connections or replace throttle
	Brakes are too tight	Adjust brakes

Problem	Possible Cause	Solution
Power ON but doesn't move	Motor connections loose	Check and tighten connections
	Brake lever not released	Release brake lever
	Gear shifter failure	Check connections to gear shifter or replace if necessary
Low travel distance	Battery low/ not charged	Charge battery
	Low tire pressure	Inflate tires
	Chain is loose	Adjust chain
	Over weight capacity	90lb recommended weight capacity
	Brakes are too tight	Adjust brakes
ATV not charging	No power at the outlet	Check power to the outlet
	Charger damaged (no lights)	Replace charger
	Battery damaged	Refer to pages 10/11 for battery care

Wiring Diagram



Warranty

ROSSO MOTORS warrants this product to be free of manufacturing defects for a period of 6 months from date of purchase. This Limited Warranty does not cover normal wear and tear, (tires, tubes or cables) or any damage, failure or loss caused by improper assembly, maintenance, storage or use of your **eQuad X Electric ATV**.

This Limited Warranty voided if the product is:

- Used in a manner other than for recreation;
- Modified in any way;
- Rented.

ROSSO MOTORS is not liable for incidental or consequential loss or damage due directly or indirectly to the use of this product.

For more information on your warranty please see our FAQ section online:

www.rossomotors.com/pages/faq

For any request regarding warranty, spare parts or replacement devices do not hesitate to contact us by phone or e-mail. Have your order number ready before contacting us.

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eQuad X 2023 Supplement

Please note the following changes for models that began shipping Summer 2023. As first shipment dates of these updated models varied by color please refer to your vehicles stamped metal serial#/production date info plate located near the front wheels.

Pre-2023 Models: Side facing attached to the frame
2023 Models: Forward facing on the front of the frame

Assembly

To further protect it during shipping, the rear turn light is no longer pre installed. Locate the tail light within your parts package, mount to the taillight bracket and click in its connection to the eQuad.

Operation

Please note the ignition switch is now integrated into the throttle on the right hand grip. It is no longer an individual component on the body of the eQuad.