USER MANUAL

CE

User Guide for 49cc Quad Bike

Start-up

1. Charge the battery 1-2 hours before use (Electric Start only)
2. Mix Unleaded 91 petrol and 2-Stroke engine oil together on 32:1 ratio (160ml engine oil in 5 L petrol)
3. Fuel Tap is at “ON” position (Vertical)
4. (Cold engine start only) Choke Lever is at “ON” position (Up)
5. Turn the key to “ON” position (Only if applicable)
6. Push accelerator/throttle a little bit and pull start,

   Or press the start button (For electric start only)
7. After starting 30second, turn Choke Lever OFF (Down)

   Make sure Choke lever is **OFF** when riding.

Storage

We strongly recommend **empty the carburetor** every time finish riding, as stale petrol may cause carburetor blockage or corrosion. For long time storage empty the fuel tank as well.

These are steps to empty the carburetor:

1. Start-up the engine
2. Turn Fuel Tap “OFF” (Horizontal)
3. Wait until engine stopped itself.
4. Turn the key to “OFF” position (Only if applicable)
5. Disconnect battery for long term storage.

PURPOSE OF USE

This product is not designed to be used on public highways. It is designed to be driven on closed tracks with an even, smooth, and dust-free surface.

Both adults and children can ride the vehicle (Children only under the supervision of an adult).

This product is not designed for rough terrain.

SAFETY WARNING

This vehicle is not allowed to be used on public roads!

Unsafe and careless use of the vehicle can result in serious injuries. The driver can minimize the potential risk by wearing safety equipment. The driver muse wear a safety helmet, goggles, gloves, elbow pads, kneepads, and firm footwear. Avoid rough surface and obstacles. Always drive with both hands on the handlebars.

TECHNICAL SPECIFICATIONS

Engine	49cc Air-cooled HIGH PERFORMANCE 2 Stroke, Single Cylinder
Starting Method	Pull/Manual Start **(EASY PULL ALLOY STARTER)**
Max Power (KW/RPM) : **Max Torque (NM/RPM) :**	2.5 KW / 8000 r/min 3.5 Nm / 6400 r/min
Fuel	Unleaded Petrol + 2 Stroke Oil (25:1)
Transmission	Single Speed Automatic
Drive System	Heavy Duty Chain

UNPACKING AND SETTING UP BEFORE RIDING

The bike is packed with folded handlebars and brake lever. After unpacking, set up the handlebars to a comfortable position. Verify the smooth and free movement of both control cables (throttle and brake).

BEFORE STARTING THE ENGINE

Engine and performance: it is important for the vehicle to be properly run in. The engine is considered properly run in after consuming five fuel tanks full of mixed petrol.

During the running in period use a 30: 1 pre mix 2-stroke synthetic oil. Once the engine is run in (Five fuel tanks full) you can then change the mixture to 50:1 ratio.

During the running in period, do not use full throttle and do not allow the engine to overheat. Otherwise you will damage your engine

Always mix your oil and petrol in a separate container making sure it is mixed properly before filling the fuel tank.

Check the tyre pressure before each ride.

ENGINE STARTING

Fill the fuel tank with pre mix fuel and refit the fuel cap. Open the fuel cock, turning it to the position “on”. Set the choke to open. Without turning the throttle grip, gently pull the starter rope twice and then on the third pull, the engine should start. Do not pull the starter rope out completely! After a short period, close the choke. Let the engine run to normal operating temperature.

Fuel and fuel vapor are highly toxic and flammable. Always be careful when handling fuel – it can burn or poison you.

- stop the engine and turn off the fuel tap, keep naked flames and sparks away from your bike
- do not smoke near your bike
- refuel only outdoors in a well ventilated space
- clean up any excess fuel immediately
- keep children and pets away

RIDING

It is necessary to check the tightness of bolts and nuts, including the engine, and the brake settings, before and after every use.

Always ride within the limits of vehicle/rider and weather conditions to avoid unnecessary accidents and injuries.

Reduce speed accordingly when going around corners. When braking, always reduce the throttle to the idle position while pressing the brake levers with the necessary force to stop the engine.

INSPECTION AND MAINTENANCE

A – Before each ride:

- check the brake cables and brake efficiency
- check the lubrication and tension of the chain. Any slack of the chain should be adjusted to 5 mm.
- After every ride, clean your bike carefully and keep it clean.

B – Every 10 hours of riding:
- check the tightness of all bolts and nuts.
- wash the air filter in petrol and lubricate it with air filter oil.
- clean the carburetor float chamber carefully
- Check the brake pads – the thickness must not be less than 1 mm.

C – Every 50 hours of riding:
- Check the state of the clutch pads – the thickness must not be less than 1 mm.

Shut the engine off when performing maintenance check-ups. Otherwise you should be severely injured if your hands or clothing get caught by moving parts.

Make sure the engine and exhaust are cold before performing any inspection of the machine.

DRIVE CHAIN ADJUSTMENT

Make sure not to over tighten the chain, it is important to lubricate the chain regularly, to avoid excess wear.

Riding with a chain in poor condition or improperly adjusted can lead to serious injury. Always inspect, adjust and maintain the drive chain properly before each ride.

BRAKE ADJUSTMENT

Failure to inspect and properly maintain the brake increases the risk of having an accident. Before each ride, check the rear brake cable and the brake efficiency. Riding with worn brake pads can reduce the braking performance and cause an accident. Check and replace brake pads.

TYRE CHANGE

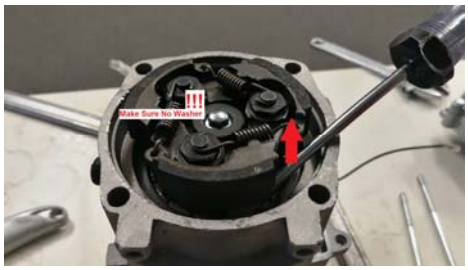
Using worn, improperly inflated, or incorrect tyres will reduce stability and can cause an accident.

STORAGE PROCEDURE

If the vehicle is to be left unused for a period of time, it is recommended to drain out all the fuel from the fuel tank and carburetor. Inflate the tryes to the normal working pressure. Remove the spark plug, clean it, put a few drops of motor oil into the cylinder, pull the starter rope 2-3 times, so an oil film evenly coats the cylinder walls and piston. Re-install the spark plug.

How To Change The Clutch

Model: 49cc ATV with Electric Starter

	** It's not required to take whole engine off bike, you can leave the engine on the bike while changing the clutch** 1. Locate those 4 bolts on the clutch side of engine. 2. Remove those 4 bolts and remove the clutch housing
	1. Use the spanner/Ratchet to remove the center shaft bolt 2. You may consider use a screw driver to lock the clutch to prevent it's movement.
	After you successfully complete up steps. You shall have a long shaft bolt and center washer out.
	Before we actually touch the clutch itself. 1. !!! Leave the washer aside !!! 2. Put the shaft bolt back **We need use the shaft bolt to keep the underneath magneto plate on the shaft, to prevent take whole starter system out while removing the clutch**
	1. Use a screw driver try to take the clutch !!! Please Make Sure the Washer has been put aside!!!
	Congratulation!! Now we can finished Clutch change. 1. Put New Clutch On 2. Knock Clutch with hammer, make it fit the shaft. Be gentle 3. Put the washer and center long shaft bolt back 4. Pull the clutch housing back, please double check the direction then put those 4 bolts back.

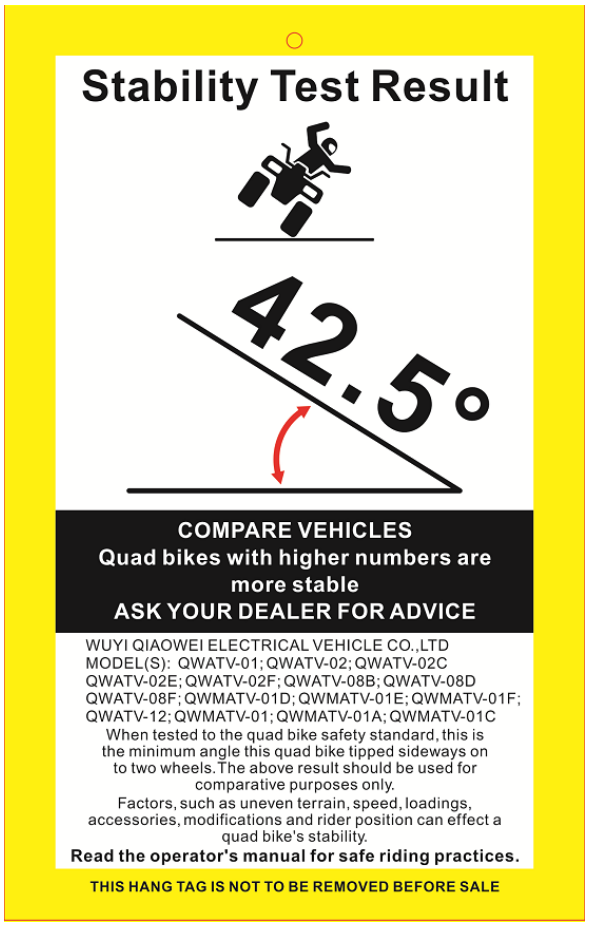
WARNING: Risk of Rollover

Every year quad bikes are a major cause of death and serious injury in rural workplaces with many incidents associated with rollovers.

The risk of a rollover increases if the quad bike is crossing slopes, travelling at high speed, towing an attachment, travelling over rocky or uneven ground or carrying a heavy or unstable load.

General Safety Tips:

1. Choose the right vehicle for the right task.
2. The riders must be physically able to control the vehicle, trained and wear a helmet
3. Always Wear a Helmet
4. Never Carry a Passenger
5. Take Time to Learn and Practice
6. Be Alert for off-road hazards
7. Ride within your limits
8. Don't' Drink and Ride



AUSTRALIAN COMPETITION & CONSUMER COMMISSION

Quad bike safety standard

Guidance for consumers

10 October 2019

Quad bikes have a number of design features that create risks for users, particularly when used on uneven or sloped ground. Losing control of a quad bike can cause it to flip or rollover causing death or serious injury.

The Australian Government has introduced a safety standard to improve the safety of quad bikes.

This guidance will help you stay safe when purchasing a quad bike.

About quad bikes

A quad bike (also known as an all-terrain vehicle or ATV) is an off-road motorised vehicle that travels on four wheels, with a seat designed to be straddled by the operator and handlebars for steering control. All vehicles that meet this description, including those that are propelled by a combustion engine and an electric engine, are considered to be quad bikes.

Quad bike models are commonly categorised as:

- general use models (commonly marketed as utility, work or agricultural models)
- sports models
- youth models (also marketed as fun models) and transition models.

Below are example images of different categories of quad bikes described in the safety standard for quad bikes.

General use model – Type I (one seat)

General use model – Type II (two seats)

Sports model

Youth model

What to look for when purchasing

Suppliers must comply with a safety standard when they sell you a new quad bike. This standard specifies requirements for all quad bikes supplied from 11 October 2020 and additional requirements for general use quad bikes supplied from 11 October 2021. The standard does not apply to second-hand quad bikes other than second-hand quad bikes that are imported into Australia.

From 11 October 2020, suppliers must:

- hang a tag on the quad bike that allows you to compare the safety of models prior to purchase
- fix a durable rollover warning label to the quad bike to warn users of risk of rollover
- include, in the owner's manual, safety information about the risk of rollover
- meet certain requirements in the US or European standards for quad bikes.

From 11 October 2021, **general use quad bikes** must also:

- have an operator protection device (OPD) attached to help protect riders from the risk of serious injury or fatality as a result of being crushed or pinned in the event of a rollover by holding the quad bike off the ground
- meet minimum stability requirements.

Check the hang tag to compare stability

The hang tag will tell you the minimum angle at which the quad bike tipped sideways on to two wheels when it was tested by the manufacturer. Quad bikes with higher numbers are more stable.

The hang tag will help you to compare the stability of different models within a particular category of quad bike. For example, if you are looking for a youth quad bike, you can compare the stability of different models of youth quad bikes. The hang tag should not be used to compare across categories (for example, to compare a youth quad bike with a general use quad bike) as the stability tests are different.

Look for a durable rollover warning label

The rollover warning label is a permanent label fixed on the quad bike to remind the user about the risk of rollovers and how to avoid them.

Rollover safety information must also be included in the owner's manual.

Operator protection devices (OPDs)

The images below show the two models of OPDs specified in the safety standard. A device of a type that offers the same or better level of protection can also be used.

Quadbar

ATV Lifeguard®

Sixty per cent of quad bike fatalities occur when the quad bike rolls over.

From 11 October 2021, every general use quad bike must have an OPD fitted or integrated into its design so that, if the quad bike rolls over, the quad bike is held off the ground, to help the rider avoid injury or death as a result of being crushed or pinned by the weight of the quad bike.

The safety standard supports quad bike and after-market OPD manufacturers to develop designs for innovative OPDs to protect operators. For example, the Quadbar model has been upgraded to the Quadbar Flexi.

Reporting a supplier

If a supplier does not comply with the safety standard, they may be in breach of the Australian Consumer Law, which can result in fines and penalties. If you think a supplier has contravened the safety standard, you can report this to the ACCC: www.productsafety.gov.au/contact-us.

How to stay safe

The Product Safety website provides other tips and checklists to help you, your loved ones, friends and work colleagues stay safe when using quad bikes.

More information

www.productsafety.gov.au/quad-bike-standard

ACCC 10/19_1561 www.accc.gov.au