

**ALL TERRAIN VEHICLE**

**OWNER'S MANUAL**

## Check list before starting the bike

- **Make sure the tyres are fully pumped up**
- **Make sure all the bolts are tighten**
- **Make sure there is sufficient engine oil**
- **Check above steps again after first riding**

Fresh engine oil will keep your engine parts protected and lubricated, **Only use unleaded 91 petrol**

We strongly recommend changing the engine oil:

1. After riding **first** petrol tanks.
2. After riding every **6-8** petrol tanks.

To change the engine oil:

1. Unscrew the drain bolt beneath the engine.
2. Drain the old engine oil out of the engine.
3. Put around 750ml 15w-40 4-stroke engine oil back into the engine. (From Oil Dipstick Hole)

# User Guide for 110cc/125cc/150cc/250cc Quad Bike

Start-up: **ONLY use 91 unleaded petrol**

1. Fuel Tap is at "ON" position (Vertical).
2. Kill Switch is at "OFF" position.(Bottom button pressed)
3. ( Cold engine start only) Choke Lever is at "ON" position (To Left)
4. Gear is in "Neutral" position (Only if applicable)
5. Turn the key to "ON" position
6. Hold the brake and press the start button
7. After starting 30second, turn Choke Lever OFF (To Right)

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

8. Always turn key to "OFF" after running
9. Pump tyre up to around 18 psi.

## Storage

We strongly recommend **empty the carburetor** every time finish riding. 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.
5. Disconnect battery for long term storage

## SAFETY INSTRUCTIONS

1. All the **dirt or quad bike** for off road use only.
2. Before you attempt to ride the bike, please read and understand the user manual instructions. You should follow the safety procedures and warnings to reduce risks and accidents. By you, the user, deciding to operate this scooter, you are accepting all the terms regulations and safety issues mentioned in the manual.
3. According to the law, you should always wear a helmet and suitable protective safety equipment gear when riding a scooter.
4. Children must be under the guidance of an adult when using this scooter.
5. We make no claim to the safety of any product that it sells. Any product can be dangerous when used improperly or in dangerous conditions, even when safety gear is properly worn.
6. Upon sale, the purchaser takes full responsibility for the condition, state and quality of repair of the scooter/s. We will not be liable and will not take responsibility for any accident or injuries that result from usage of this product either from the customer or any third party.
7. Children under 10 years of age should always be accompanied and supervised by an adult.

## **Warning:**

### **Please read below information before you use your new dirt or quad bike.**

A lot of people have a hard time starting and running the Chinese ATV's when new and also when cold. Most of these come with a gel Pac in the Carburetor float bowl for shipping so it does not ruin the float during shipping. It is supposed to dissolve when fuel mixes with it. Many make the mistake of driving the ATV once started. This is a mistake. You must let it idle for about **3 mins** for the gel to dissolve. If you do not do this you will risk the chance of clogging the jets and the initial adjustments will not work and it will not run right until all the gel is gone. Most of the time these will start with the movement of the choke then you can lightly feather the throttle to keep it running. If you can reach the idle screw you can turn it up till you don't have to feather the throttle. After about 30 min you can make the final adjustments. **CHANGE THE OIL BEFORE YOU RIDE!!!** These come with cheap shipping oil and **MUST** be changed or engine damage **WILL** occur. The idle screw on the right side of the Carburetor is usually a Phillips head screw on the Carburetor with a spring around it. The air/fuel screw is the flathead screw usually on the left side of the idle screw. Here are some basic adjustments to get it started and to tune it once broke in. The mixture screw had been set-up at the factory before shipment and should not have to be reset. If necessary, refer to the adjustment as below:

1. Make sure the air cleaner is clean.
2. make sure the choke lever is OFF while running once warm.
3. Warm the engine up for 3-5 minutes.
4. Turn the mixture screw clockwise until fully closed, and then turn the mixture screw 2 full turns out.
5. Adjust the idling screw until the engine idles EASILY.
6. Turn the mixture screw slightly clockwise and counter clockwise until the highest engine Revs' obtained.
7. Adjust the idling screw again until the engine idles EASILY.
8. Repeat the step of 6 & 7 till getting the best performance...

\*ENGINE IDLES EASILY means: The engine idling screw must be set correctly to get a slowest engine idle (1500 rpm - 1600 rpm), but does not cut out if you press the accelerator quickly.

Cold weather starting will need an additional adjustment to help aid the starting process. Most of the manual choke Carburetor has an adjustable needle inside the Carburetor. Lowering the clip (raising the needle) you will be able to open the throttle and get more fuel into the intake quicker. This helps in the cold weather because the colder the weather the leaner the mixture is. You want richer in the colder weather.

- 1- Unscrew and pull the top of the Carbie off with the cable and there will be a slide with the needle in the centre.
- 2- Disconnect the cable through a small slot in the side of the slide.
- 3- Now you can take the needle out from the slide.
- 4- The needle will have a very small clip in a slot on the needle. The needle will have 5 slots. Lowering the clip is richer and raising the clip will lean it out.
- 5- Put the clip on the lowest setting for cold weather. DO NOT DROP THE CLIP! They are very small and hard to find.
- 6- Reverse the process with installing the needle back into the slide, installing the cable, slide the slide back into the Carbie and screw the cap tight.
- 7- Now make any adjustments as stated above in the Carbie tuning.
- 8- Once the weather warms up you may need to lower the needle for the hotter temps or it will run too rich.

These steps will work on 99% of these ATV's. They are very hard to get running and people get upset when they turn the key and it does not run. Don't forget these are not set up at a dealer like the name brands so the most basic adjustments are done from the factory. These are built in china and the temps are hot so that's how the adjustments are done. The temps vary and these are not set at all for cold temps.

Hopefully this helps everyone with these concerns. These really do run good once tuned properly and with proper maintenance they will last a long time.

Good Luck!

# ASSEMBLY INSTRUCTION

## Models w/ rack(s)

### 1<sup>st</sup> Mount the handle bar (rear view mirrors)



### 2<sup>nd</sup> Mount the front suspensions



### 3<sup>rd</sup> Mount the turn rods / front drum brakes / front wheels





**4<sup>th</sup> mount the rear wheels**



**5<sup>th</sup> Mount the dust covers**





**6<sup>th</sup> Mount the front bumper**



**7<sup>th</sup> Mount the rear frame part**



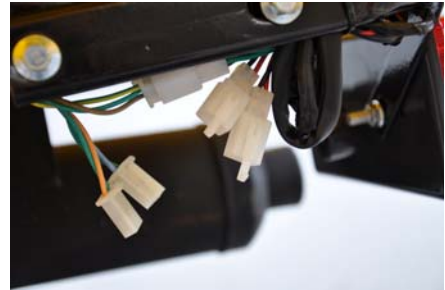
**8<sup>th</sup> Mount the rear rack**



**9<sup>th</sup> Mount the bracket**



**10<sup>th</sup> Mount the turn lights (front & rear) and plug in**



**11<sup>th</sup> Connect the battery wire**



**12th key switch**



## Models w/o racks

1<sup>st</sup> mount the handle bar



2<sup>nd</sup> mount the front suspensions



3<sup>rd</sup> mount the turn rods



4<sup>th</sup> mount the front drum brakes & front wheels



5<sup>th</sup> mount the rear wheel



6<sup>th</sup> Mount the dust covers



7<sup>th</sup> mount the front bumper



8<sup>th</sup> mount the rear frame part



9<sup>th</sup> mount the bracket



10<sup>th</sup> plug in the rear brake light



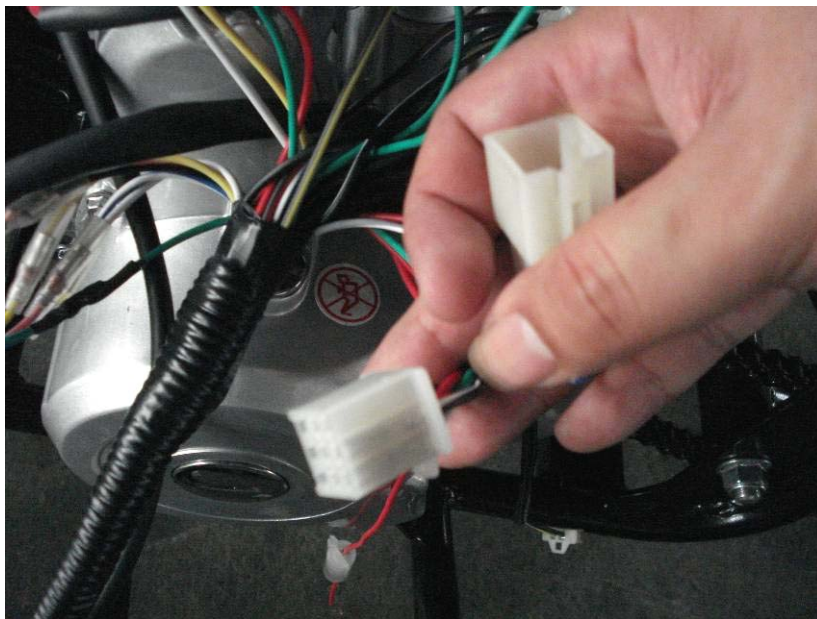
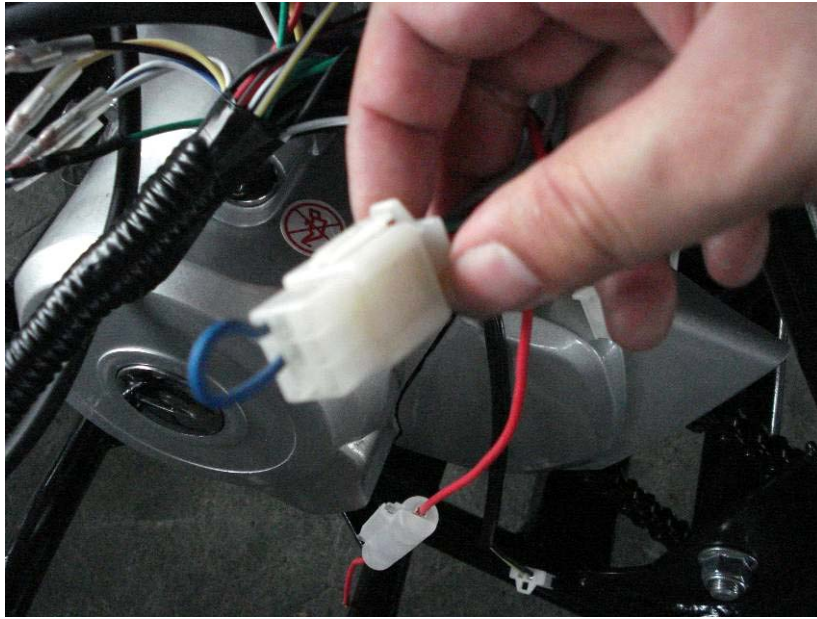
11<sup>th</sup> connect the battery wire



12<sup>th</sup> key switch



## Remote Controller



This clip is specially designed for Remote Controller.

The color wire on the one end of clip is for engine STOP. When it is pulled out, all STOP functions of key switch, functional handle bar, and emergency kill switch will be OFF. The Customers have to connect the other end of the clip with the Remote Controller, and then all STOP functions will be ON.

If customers don't want to add Remote Controller on the bike, please keep this clip as a whole unit. Never pull out clip which the end with color wire.

<b>Engine</b>	50cc/ 110CC Air-cooled SHINERAY 4 Stroke, Single Cylinder
<b>Starting Method</b>	Electric
<b>Ignition Mode</b>	CDI
<b>Fuel Tank Capacity</b>	2.3L
<b>Fuel</b>	Straight Unleaded Petrol
<b>Transmission</b>	Automatic
<b>Drive System</b>	Chain
<b>Throttle Control</b>	Thumb throttle (screw restrictable to limit max throttle)
<b>Suspension</b>	Front : Dual A arm spring shocks Rear : Large rear shock
<b>Maximum Speed</b>	65km/hr+
<b>Front Brakes</b>	DRUM BRAKES
<b>Rear Brakes</b>	Drilled disc hydraulics (controlled by left brake lever)
<b>Maximum Load</b>	100kg
<b>Wheel Size</b>	Front + Rear : 145/70-6 (both knobbed for all terrain use)
<b>Rider Capacity</b>	1 person
<b>Dimensions (L x W x H)</b>	BIKE: 1200 x 660 x 800 (mm) Seat Height : 550mm
<b>Weight</b>	Gross: 82kg Net: 70kg



<b>Engine</b>	110cc/ 125cc Air-cooled 4 Stroke, Single Cylinder
<b>Starting Method</b>	Electric
<b>Ignition Mode</b>	CDI
<b>Fuel Tank Capacity</b>	3L
<b>Fuel</b>	Straight Unleaded Petrol
<b>Transmission</b>	Semi Auto, 3 Forward and 1 Reverse Gear with Neutral / 1 Forward and 1 Reverse Gear with Neutral
<b>Drive System</b>	Chain
<b>Throttle Control</b>	Thumb throttle (screw restrictable to limit max throttle)
<b>Suspension</b>	Front : Dual A arm spring shocks Rear : Large rear shock
<b>Maximum Speed</b>	65km/hr+
<b>Front Brakes</b>	Dual Drum Brake System
<b>Rear Brakes</b>	Drilled disc hydraulics (controlled by right foot brake )
<b>Maximum Load</b>	100kg
<b>Wheel Size</b>	Front + Rear : 16 x 8.00-7 (both knobbed for all terrain use)
<b>Rider Capacity</b>	1 person
<b>Dimensions (L x W x H)</b>	BIKE: 1340 x 1020 x 980 (mm) Seat Height : 720mm
<b>Weight</b>	Gross: 100kg Net: 90kg

**\*\*PLEASE NOTE\*\***

ATV engine needs to be run-in initially

To run-in the engine, please do not over-rev the engine for the **first 3 tanks of petrol**

<b><u>SPECIAL FEATURES</u></b>  - <b>150CC, air cooled, 4 Stroke engine</b>  - TRIPLE suspension system  - <b>Front suspension is a fully independent dual A arm front suspension</b>  - ELECTRIC START  - <b>4 SPEED MANUAL AND REVERSE GEAR</b>  - Large flat footrest surface  - <b>Large off road tires for extra terrain gripping</b>  - <b>Rear VIEW MIRRORS+ INDICATORS</b>  - <b>Dual Headlights and brake light</b>  - <b>KILL SWITCH</b> to turn off the engine  - <b>DRILLED REAR DISC BRAKES!</b>  - Heavy DUTY ABS UV resistant polymer fairing  - <b>Alloy Heavy duty chain</b>  - <b>PARKING BRAKE</b>  - <b>Chain Guard</b>  <b><u>Safety Features</u></b>  - <b>Speed Restrictor (Governor)</b> - <b>Adjustable throttle limiter</b> - <b>Thumb throttle restrictor screw for less throttle and hence less speed</b>	<b>Engine</b>	<b>150CC, air cooled, 4 Stroke engine</b>
	<b>Starting Method</b>	Electric Start
	<b>Ignition Mode</b>	CDI
	<b>Fuel Tank Capacity</b>	7.8 L
	<b>Fuel</b>	Straight Unleaded Petrol
	<b>Transmission</b>	<b>Automatic CVT with reverse gear</b>
	<b>Drive System</b>	Chain
	<b>Throttle Control</b>	Thumb throttle (screw restrictable to limit max throttle)
	<b>Suspension</b>	Front : Dual A arm spring shocks Rear : Large rear shock
	<b>Maximum Speed</b>	75km/hr+ (Depends upon road conditions & rider weight)
	<b>Front Brakes</b>	DRUM BRAKES
	<b>Rear Brakes</b>	Drilled Disc HYDRAULIC BRAKE
	<b>Maximum Load</b>	150kg
	<b>Wheel Size</b>	Front : AT 19 x 7 - 8 Rear : AT 18 x 9.5 - 8
	<b>Rider Capacity</b>	1 person
	<b>Dimensions (L x W x H)</b>	BIKE: 1850 x 1070 x 1040 (mm)  Seat Height : 750mm
	<b>Weight</b>	Gross: 155kg Net: 135kg

Bike requires minor assembly. This includes the handlebars, brakes and the wheels.

Set up will take approximately 30 minutes

**\*\*PLEASE NOTE\*\***

ATV engine needs to be run-in initially

To run-in the engine, please do not over-rev the engine for the **first 3 tanks of petrol**

<p><b><u>SPECIAL FEATURES</u></b></p> <ul style="list-style-type: none"><li>- <b>250CC SHINERAY 4 Stroke engine (4 GEARS)</b></li><li>- TRIPLE suspension system</li><li>- <b>Front suspension is a fully independent dual A arm front suspension</b></li><li>- ELECTRIC START</li><li>- <b>4 SPEED MANUAL AND REVERSE GEAR</b></li><li>- Large flat footrest surface</li><li>- <b>Large off road tires for extra terrain gripping</b></li><li>- <b>Rear VIEW MIRRORS+ INDICATORS</b></li><li>- <b>Dual Headlights and brake light</b></li><li>- <b>KILL SWITCH</b> to turn off the engine</li><li>- <b>DRILLED REAR DISC BRAKES!</b></li><li>- Heavy DUTY ABS UV resistant polymer fairing</li><li>- <b>Alloy Heavy duty chain</b></li><li>- <b>PARKING BRAKE</b></li><li>- <b>Chain Guard</b></li></ul> <p><b><u>Safety Features</u></b></p> <ul style="list-style-type: none"><li>- <b>Speed Restrictor (Governor)</b></li><li>- <b>Adjustable throttle limiter</b></li><li>- <b>Thumb throttle restrictor screw for less throttle and hence less speed</b></li></ul>	<b>Engine</b>	250CC Air-cooled SHINERAY 4 Stroke, Single Cylinder
	<b>Starting Method</b>	Electric Start
	<b>Ignition Mode</b>	CDI
	<b>Fuel Tank Capacity</b>	4.0L <b>(METAL TANK + CAP)</b>
	<b>Fuel</b>	Straight Unleaded Petrol
	<b>Transmission</b>	<b>4 FORWARD GEARS &amp; REVERSE</b>
	<b>Drive System</b>	Chain
	<b>Throttle Control</b>	Thumb throttle (screw restrictable to limit max throttle)
	<b>Suspension</b>	Front : Dual A arm spring shocks Rear : Large rear shock
	<b>Maximum Speed</b>	80km/hr+ (Depends upon road conditions & rider weight)
	<b>Front Brakes</b>	DRUM BRAKES
	<b>Rear Brakes</b>	Drilled Disc HYDRAULIC BRAKE
	<b>Maximum Load</b>	150kg
	<b>Wheel Size</b>	Front : AT 19 x 7 - 8 Rear : AT 18 x 9.5 - 8
	<b>Rider Capacity</b>	1 person
	<b>Dimensions (L x W x H)</b>	BOX : 1470 x 840 x 730 (mm) BIKE: 1850 x 1070 x 1040 (mm)  Seat Height : 750mm
	<b>Weight</b>	Gross: 155kg Net: 135kg

Bike requires minor assembly. This includes the handlebars, brakes and the wheels.

Set up will take approximately 30 minutes

## 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

**Stability Test Result**



**42.5°**

**COMPARE VEHICLES**  
Quad bikes with higher numbers are more stable  
**ASK YOUR DEALER FOR ADVICE**

WUYI QIAOWEI ELECTRICAL VEHICLE CO.,LTD  
MODEL(S): QWATV-01; QWATV-02; QWATV-02C  
QWATV-02E; QWATV-02F; QWATV-08B; QWATV-08D  
QWATV-08F; QWMATV-01D; QWMATV-01E; QWMATV-01F;  
QWATV-12; QWMATV-01; QWMATV-01A; QWMATV-01C


When tested to the quad bike safety standard, this is the minimum angle this quad bike tipped sideways on to two wheels. The above result should be used for comparative purposes only.

Factors, such as uneven terrain, speed, loadings, accessories, modifications and rider position can effect a quad bike's stability.

**Read the operator's manual for safe riding practices.**

**THIS HANG TAG IS NOT TO BE REMOVED BEFORE SALE**

**! WARNING**



**RISK of ROLLOVER even on flat terrain**

**ROLLOVERS could result in DEATH or SERIOUS INJURY**

**AVOID** sudden sharp turns

**AVOID** steep inclines

**AVOID** riding across slopes



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.

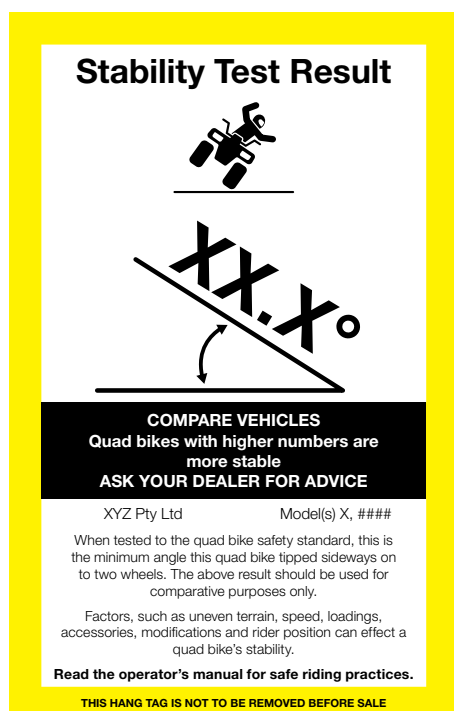
From 11 October 2020, suppliers must:

- 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](http://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](http://www.productsafety.gov.au/quad-bike-standard)