

MOTOWORKS AUSTRALIA

49CC SPORTS

Read this manual carefully. It contains important safety information. Children under the age of 16 should be supervised by a responsible adult.

OWNER'S MANUAL

ATV Category Y-10+

Minimum Age Requirement: 10



Always wear a helmet; It could save your Life!

Please obtain, review, and follow provincial / municipal government acts and regulations pertaining to owning and operating an off-road vehicle.

WARNING

YOUR ATV CAN BE HAZARDOUS TO OPERATE

A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

For your safety, understand and follow all the warnings contained in this owner's manual and the labels on your vehicle. Failure to follow these warning can result in **sever injury or death**.

FOLLOW THE AGE RECOMMENDATIONS

Use by children of ATVs that are not recommended for their age can lead to severe injury or death. Even though a child may be within the age group for which an ATV is recommended, he or she may not have the skills, abilities, or judgement needed to operate the ATV safely and may be involved in a serious accident.

Category Y (Youth Model) ATV

An ATV of appropriate size intended for recreational use under adult supervision by an operator under age 16. Youth model ATVs can further be categorized as follows:

- ATV Category Y- 6+:** The ATV is intended for use by children age 6 or older.
- ATV Category Y-10+:** The ATV is intended for use by children age 10 or older.
- ATV Category Y-12+:** The ATV is intended for use by children age 12 or older.
- ATV Category T:** Transitional Model that is intended for recreational use by an operator age 14 or older under adult supervision, or by an operator age 16 or older.

This manual should be considered as a permanent part of the vehicle and should remain with the vehicle when resold or otherwise transferred to a new user or operator. The manual contains important safety information and instructions which should be read carefully before operating the vehicle.

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Manufacturer:

WUYI QIAOWEI ELECTRICAL
VEHICEL CO., LTD
Hardware Machinery Industrial Zone,
Wuyi Country, Zhejiang, China MADE IN
CHINA

Imported By:

Motoworks Australia
18B Humeside Drive
Campbellfield, VIC, 3061
Tel: 03 9357 5133
www.motoworks.com.au

NOTICE TO PARENTS

This ATV is built for use by children age 10 and older, but the users manual is written for adults who will be supervising the children, we strongly recommend, therefore, that you review this entire manual with your child and carefully explain the instructions, requirements, and warnings it contains so that your child can understand them.

Children differ in skills, physical abilities, and judgement. Some children may not be able to operate an ATV safely.

Refer to the **Evaluation Sheet** provided at end of the manual.

THIS ATV IS NOT A TOY AND COULD BE HAZARDOUS TO OPERATER

An ATV handles differently from other vehicles including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

USE THE MANUAL

Please read this manual and follow all instruction carefully. To emphasize the specail information. Pay great attention to **WARNING** or **CAUTION**.

▲ WARNING

Indicates a potential hazard that could result in death or injury

▲ CAUTION

Indicates a potential harzard that could result in vehicle damage

▲ WARNING - or - CAUTION

Identify a potential hazard
Describe what cloud happen if you ignore the WARNING or CAUTION How to avoid the hazard

All information, illustrations, photographs and specifications contained in this manual are absed on the lastest procudt information available at the time of publication. due to improvements or other changes, there will be some discrepancies in this manual. we reserve the right to make product changes at any time without incurring any obligation to make the same or similar changes to the vehicle previously built or sold.

This product comply with Consumer Goods (Quad Bikes) Safety Standard 2019 Under Category Y (Youth Model) ATV Y-10+

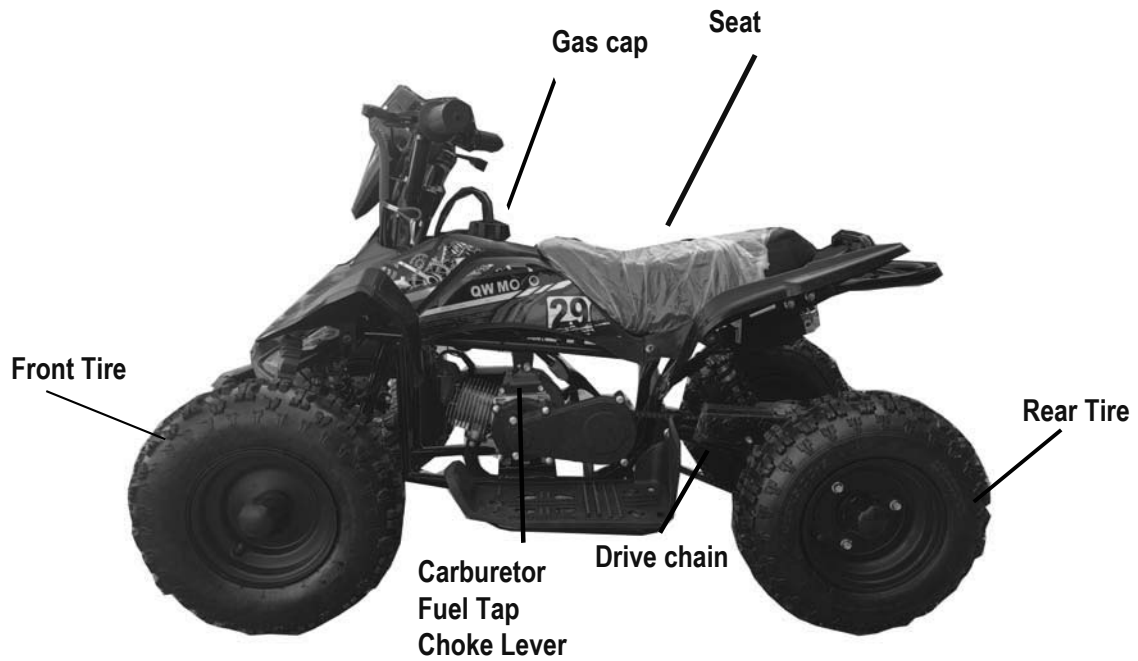
SAFETY

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- Read this manual and all labels carefully and follow the operating procedures.
- Never operate this ATV without proper instruction. Take a training course if available.
- Always follow the age recommendation.
- Never carry a passenger on an ATV.
- Never operate an ATV on any public street, road or highway, even a dirt or gravel one.
- Never operate an ATV without wearing an approved motorcycle helmet that fits properly.
- You should also wear eye protection, gloves, boots, long-sleeved shirt and long pants.
- Never operate this ATV at excessive speeds. Always go at a speed that is proper for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheelies, jumps, or other stunts.
- Always inspect your ATV before and after each use to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.
- Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
- Never operate on excessively rough, slippery or loose terrain.
- Always follow proper procedures for turning as described in this manual. Do not turn at excessive speeds.
- Never operate that ATV on hills. This product is not designed for hill
- Never attempt to operate over obstacles. This product is designed for flat surface.
- Never operate this ATV in water.
- Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never modify an ATV through improper installation or use of accessories.
- Never exceed the stated load capacity for an ATV.

MOTOWORKS 49CC SPORTS

LEFT VIEW



RIGHT VIEW



⚠ WARNING

DO NOT RIDE THE EQUIPMENT DURING THE DARKNESS

The Headlight only for decoration. Not designed for use during the night.

MOTOWORKS 49CC SPORTS

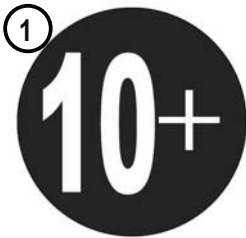
DIMENSIONS AND SPECIFICATIONS

Engine:	2 Stroke / Air Cooled
Cylinders:	1
Displacement:	49CC
Starting Method:	Pull Start Only
Fuel Capacity:	1 L
Fuel :	91 Unleaded + 2 Stroke Oil
Transmissio:	Automatic
Drive System:	Rear Wheel Drive, Chain Drive
Throttle Control:	Thumb Throttle
Speed Restriction:	Throttle Speed Governor
Maximum Speed:	34 km/hr
Front Brakes:	Drilled Disc Brakes
Rear Brakes:	Drilled Disc Brakes
Maximum Load:	40 kg
Front Wheels:	4.10 x 6"
Rear Wheels:	13 x 5.00-6"
Rider Capacity:	1 Person
Dimensions:	970 X 560 X 800 (mm)
Seat Height:	450(mm)
Weight:	35 kg
Oil :	SAE 2 Stroke Oil
Spark Plug:	L7T
Mixture:	30:1 (30ml oil in 1L Fuel)
Engine Operation Noise	77 dB(A) AT 8000 RPM
Vibration Level:	Left handle bar: 3.608 m/s ² Right handle bar: 3.209 m/s ² Seat: 7.997 m/s ²

Designs and specifications of the product are subject to change without notice. Therefore, please note that the descriptions in the manual maybe different from those for the vehicle you have purchased.

LOCATION OF LABELS

Read and follow all of the warning labels on your ATV. Make sure you understand all the labels. Keep the labels on the ATV. Do not remove them for any reason.



2 **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

6 **CAUTION!!!** **CE**

Riders must comply with local allowable age rules, all local laws and regulation in riding. Minors shall never operate this product without adult supervision. DO NOT operate this product under the influence of medical treatment and alcohol. DO NOT ride this product without wearing protective equipments, such as helmet, gloves, kneepads, elbow pads, and any necessary protection your local law requires. Read instructions carefully and always inspect this product prior to use to ensure it is in a safe operating condition. DO NOT operate this product until you can safely start, stop, turn, and yield to all obstacles environment. This product is not intended for use on public roads or highways, near water, sloped driveways or alleyways; during nighttime or bad weather conditions; or on slippery or uneven surfaces.

3 **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-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

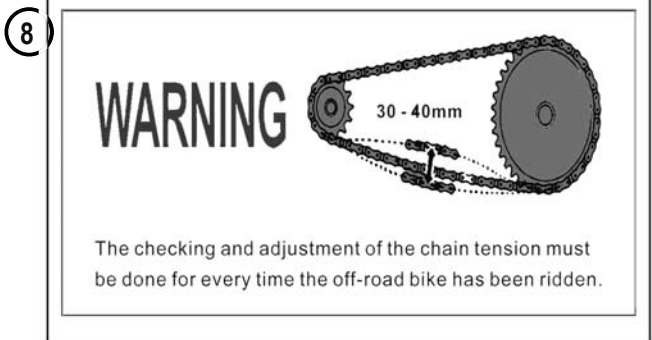
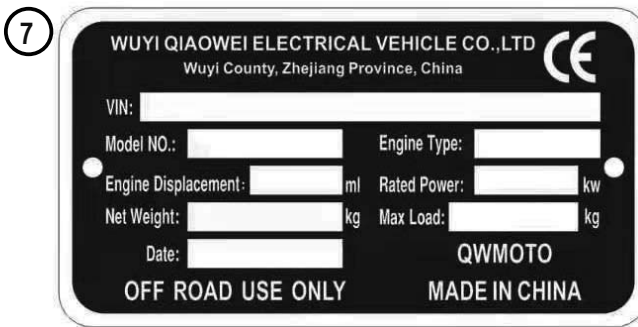
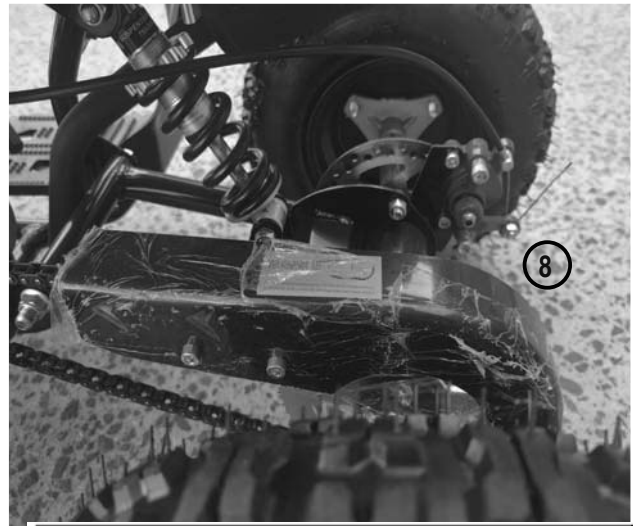
5 **WARNING**

NEVER ride as a passenger. Passengers can cause a loss of control, resulting in SEVERE INJURY or DEATE. Before use please whencareful. reading instruction booklet. Use the clothing protects the apparatus and so on.

4

F: 7 PSI R: 7 PSI

LOCATION OF LABELS



If a label comes off or becomes difficult to read, you should get a replacement by contacting your seller.

CONTROL FUNCTIONS

LEFT HANDLEBAR

When ATV is not in use, the rear brake lever should be pulled back and the parking brake pin set in place. In this position the ATV should not move.

Rear Brake Lever

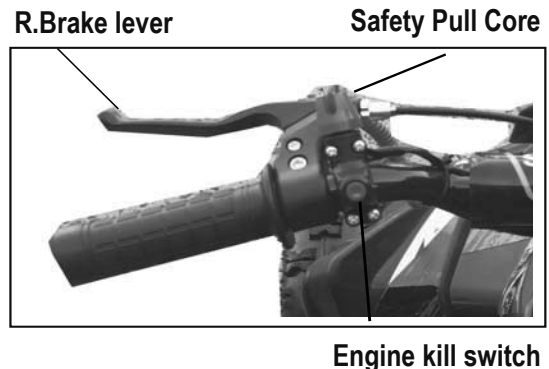
Apply the rear brake by squeezing the rear brake lever towards the grip.

Engine Kill Switch

Press the red stop button to stop the engine

Safety Pull Core

Pull off the Red Cap to stop the engine



RIGHT HANDLEBAR

Throttle Lever

Control the engine and ATV speed with the throttle lever. Operate this lever with your thumb. Push it forward to increase engine and ATV speed. Release it to decrease engine and ATV speed.

Front brake lever

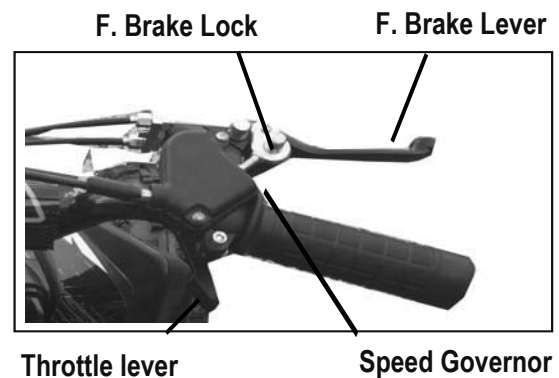
Control the engine and ATV braking with the front brake lever. Squeeze lever toward grip smoothly to apply front brakes. Release when accelerating.

Speed Governor

To limit the speed, screw in the throttle limiter screw

Screw in: limit the speed

Screw out: release the setting



⚠ CAUTION

It's important to make sure the red pull core is attached to the handle bar before each ride. Without red pull core attached, the engine will not start.

⚠ CAUTION

The Speed Governor designed to limited speed to 24km/hour. Over adjust the speed governor may cause damage to the clutch.

CONTROL FUNCTIONS

FUEL TAP

This vehicle has a manually operated fuel valve. There are two positions: "ON" and "OFF".

"ON" position: Vertical position

The fuel will flow to the carburetor when the engine is running or being started.

"OFF" position: Horizontal Position

No fuel will flow into the carburetor.

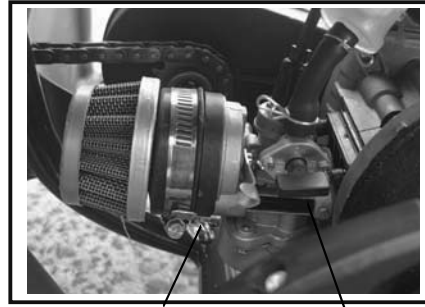
CHOKE LEVER

When engine is cold, lift the choke lever up.

When engine has warmed up, push down the lever.

SEAT LOCK

To remove the seat, move the seat lock lever backward. Raise the rear end of the seat and slide it back.

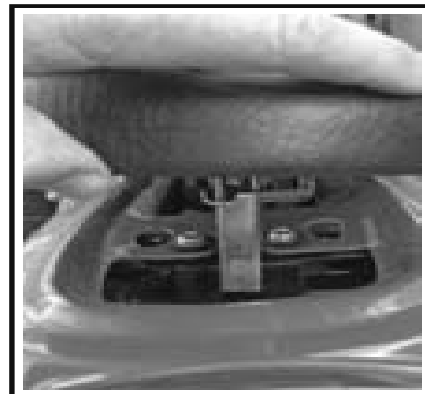


Choke Lever

Fuel Tap



Seat lock lever located under seat and rear fender



To lock the seat, slide the seat lever into its retainer and push down firmly.

⚠ WARNING

Overfilling the fuel tank could be hazardous. If you overfill the fuel tank, fuel may overflow when it expands. Expanding is due to heat from engine or sun. Overheated fuel could easily catch fire.

Stop adding fuel when the fuel level reaches the bottom of the filler neck.

Failing to follow safety precautions when refueling could result in a fire or let you to breathe toxic fumes.

Refuel in a well ventilated area. Make sure the engine is off and avoid spilling fuel on a hot engine. Do not smoke, and make sure there are no open flames or sparks in the area.

Avoid breathing gasoline vapors. Keep children and pets away when you are refueling the ATV.

⚠ WARNING

Improperly installing the seat could be hazardous. Failing to install the seat properly could allow the seat to move and cause the rider to lose control. Make sure you are in proper position and the seat is attached securely when you install it.

RIDING YOUR ATV

WHAT YOU SHOULD KNOW BEFORE RIDING

Before riding, you should read all the following information carefully.

If you are properly prepared, you will have a more enjoyable ride.

Before riding, you should find a good place to practice the skills. Find a flat, open area with enough space to practice the new skills.

▲ WARNING

The risk of an accident is greatly increased if the operator does not know how to operate the ATV properly in different situations and on different types of terrain.

Make sure that it is legal to ride in the area you selected. Review the local laws and make sure you are not trespassing. Call the police if you don't know where you can ride.

Protect your riding areas. When you are riding, remember to keep the terrain in good condition. Don't destroy plants, trees or other vegetation. Don't litter and don't bother wildlife. With your help, your riding area can remain open for use in the future.

After you have found a good place to practice, review the control system on your ATV before riding. Learn to find these controls without looking for them, because you will not have time to look for them when you are riding.

INSPECTION BEFORE RIDING

ITEM TO CHECK	CONTENT
Steering	Smoothness; No restriction of movement; No play or looseness
Brakes	Proper brake lever free play; enough brake force; Parking brake effectiveness
Tires	Proper air pressure; Enough tread depth; No cracks, rips, or other damages
Fuel	Fuel has correct mixture with 2 stroke oil Enough fuel for the intended trip; Fuel hose connected securely; No damage to fuel tank or cap; Fuel tank cap closed securely
Engine stop switch	Proper operation
Throttle	Proper free play of throttle; Smooth response; Quick return to idle position
Drive chain	Proper tension; adequate lubrication; No excessive wear or damage
General condition	Bolts and nuts are tight; No rattle from any parts of the engine when running; No visible evidence of Damage

▲ WARNING

Failing to inspect the ATV before operating could be hazardous.

Failing to perform proper maintenance could also be hazardous.

Failing to inspect and maintain your ATV could increase the chances of an accident or equipment damage

Always inspect your ATV each time before riding, and make sure it is in a safe operating condition. Refer to the INSPECTION AND MAINTENANCE section in this manual.

RIDING YOUR ATV

▲ WARNING

Checking maintenance items when the engine is running could be hazardous. You could be severely injured if your hands or clothing get caught in moving ATV parts. Shut the engine off when performing maintenance checks, except checking the engine stop switch and throttle.

BREAK-IN PROCEDURES

Proper operation during this break-in period will be helpful for assuring maximum life and performance of your new vehicle. The following guidelines explain proper break-in procedures.

Throttle Opening Recommendation

During the first 10 hours of operation, you should always use less than ½ throttle opening.

Vary the Engine Rotating Speed

This allows the parts to “load” and then “unload” (allowing the parts to cool). Although it is essential to place some stress on the engine components during break-in, you must be careful not to overload the engine.

Allow a few minutes of idling time after warm or cold engine starting. This allows the fuel with oil reach all critical engine components.

Break-In Maintenance

A maintenance is required after break in procedure includes proper adjustments, tightening of all bolts & nuts

STARTING THE ENGINE

Before attempting to start the engine, make sure to follow these steps.

1. Check the safety pull core is attached to the handle bar
2. Check Fuel Tap is "On" vertical position
3. If engine is cold, Lift up the choke lever
4. Turn the key on
5. Pull the pull starter, with little throttle
6. After engine has warmed up, push down the choke lever to run position .

RIDING YOUR ATV

⚠ WARNING

The ATV could start moving as soon as you start the engine.
Unexpected Movement could cause you to lose control of the ATV
Be sure set the parking brake before you start engine.

⚠ WARNING

Running your ATV indoors where there is little or no ventilation could be hazardous.
Breathing in exhaust gases from the ATV could cause severe injury.
Always run your ATV outdoors where there is fresh air.

⚠ WARNING

Carrying a passenger on this ATV will greatly reduce your ability to balance and control this ATV. Will cause an accident, resulting in harm to you and/or your passenger.
The long seat is designed to allow the operator to shift position as needed during operation. It is not for carrying passenger.

⚠ WARNING

Never operate the ATV on any paved surfaces, including sidewalks, driveways, parking lots and streets. The ATV's tires are designed for off-road use only, not for use on pavement. Paved surfaces may seriously affect handling and control of the ATV, and may cause the vehicle to go out of control.



⚠ WARNING

Running your ATV indoors where there is little or no ventilation could be hazardous.
Breathing in exhaust gases from the ATV could cause severe injury.
Always run your ATV outdoors where there is fresh air

⚠ WARNING

Never operate this ATV on any public street, road or highway, even a dirt or gravel one. In many states it is illegal to operate ATVs on public streets, roads and highways.

⚠ WARNING

Never operate this ATV at night. Night is defined as the period of time 30 minutes before sunset to 30 minutes after sunrise.
The headlight is decoration light not designed for night riding

⚠ WARNING

Never attempt stunts, such as wheelies or jumps. Don't try to show off. Increases the chance of an accident, including an overturn.

RIDING YOUR ATV

⚠ WARNING

Always wear an approved motorcycle protective gear that fits properly in order to protect you from severe injury in the event of accident. **Protective Gear You shall wear:**

- eye protection (goggles or face shield)
- gloves
- long-sleeved shirt or jacket
- boots
- long pants



⚠ WARNING

Failure to inspect and properly maintain the ATV before operating. Increases the possibility of an accident or equipment damage.

⚠ WARNING

Operating this ATV at excessive speeds increases your chances of losing control of the ATV, which can result in an accident.

⚠ WARNING

Failing to use extra care when operating this ATV on unfamiliar terrain. You can come upon hidden rocks, bumps, or holes, without enough time to react. Could result in the ATV overturning or going out of control. Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.

⚠ WARNING

Removing even one hand or foot can reduce your ability to control the ATV or could cause you to lose your balance and fall off of the ATV. If you remove a foot from the footrest, your foot or leg may come into contact with the rear wheels, which could injure you or cause an accident.

STARTING OFF

When you are sure that the engine is Warm, release the front and rear brake. Open the throttle gradually to move forward.

⚠ WARNING

Opening the throttle suddenly could be hazardous. The front wheels could leave off the ground and cause loss of control of the ATV. Always open the throttle gradually when you want to accelerate.

BRAKING

To stop the ATV, first release the throttle lever and then apply both front and rear brake.

⚠ WARNING

Braking while turning the ATV could be hazardous. Use of the brake when turning could cause the ATV to slide or roll over. Use the brake to slow down before you begin to turn.

⚠ WARNING

Turning improperly, the ATV could go out of control, causing a collision or overturn. Always follow proper procedures for turning as described in the owner's manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.

RIDING YOUR ATV

TECHNIQUE TO TURN THE ATV

The ATV has a solid rear axle, both rear wheels always turn at the same speed, this means that if the rear wheels are getting equal traction, the vehicle will tend to move straight ahead.

For the ATV to turn, the outside rear wheel must travel a longer distance than the inside rear wheel. To make this happen, the rider must create less traction for the inside wheel, allowing it to skid. This allows it to travel a shorter distance than the outside wheel. This happens even though both wheels are still turning at the same speed.



- Move your body weight forward and to the inside of the turn.
- Turn the handlebar while looking in the direction of the turn.

FOR HIGHER SPEEDS OR SHARPER TURNS

Use the same technique that you use when you move your body weight farther toward the inside of the turn to maintain your balance. Natural turning forces (which can push the vehicle to the outside of the turn) increase as the speed or the turn sharpness increases. This means you must lean your body farther into the turn as you go faster or turn more sharply. This prevents the vehicle from tipping over to the outside of the turn.

If your ATV starts to tip while turning, lean your body farther into the turn while gradually reducing the throttle and making the turn wider, if possible.

⚠ WARNING

Operating on hills can cause the ATV to overturn more easily than on level surfaces.
Never operate the ATV on hills.

⚠ WARNING

Operating over obstacles will cause loss of control or a collision. Could cause the ATV to overturn.
Never attempt to ride over obstacles. Back up and ride around the obstacle.

SKIDDING OR SLIDING

You may experience skidding or sliding when you are not braking. You may be able to overcome it by using the techniques listed below.

If your front wheel skids: Gain front wheel traction by reducing the throttle opening and leaning your body slightly forward.

If your rear wheel skids: If space permits, steer in the direction of the skid. Shift your body away from the skid slightly. Avoid using the throttle or brakes until you regain directional control of the vehicle.

RIDING YOUR ATV

⚠ WARNING

Skidding or sliding improperly, will lose control of this ATV.

You may also regain traction unexpectedly, which could cause the ATV to overturn.

Learn to safely control skidding or sliding by practicing at low speeds and on level, smooth terrain.

⚠ WARNING

This ATV is not designed to add extra accessories
Operating this ATV with improper modifications could be hazardous

Installation of accessories or modifications of the vehicle may cause changes in handling which could lead to an accident.

⚠ WARNING

Operating this ATV through water could be hazardous. The ATV tires may float losing traction and then loss of control. This could lead to an accident.

Never operate this ATV in water

⚠ CAUTION

Operating the ATV in water, sand, or mud causes rapid brake wear. Excessive brake wear could cause the brakes to be less effective
If operation of the ATV in these conditions, bring it to your authorized service center to have the brakes inspected and cleaned.

⚠ CAUTION

If you use your ATV under severe conditions, it will need maintenance more often than shown in the chart. Operating your ATV under severe conditions causes more wear on your ATV. Severe conditions include operating under frequent full throttle, or in dusty, wet, sandy, or muddy areas. These conditions could cause the ATV to wear more quickly.

INSPECTION AND MAINTENANCE

MAINTENANCE SCHEDULE

Interval Item	Initial 1 month/ 20 hrs	Every 3 months/ 50 hrs	Every 6 months/ 100 hrs
Air Filter	—	Clean	Inspect *
Clutch	Inspect *	Inspect *	Inspect *
Cylinder head	—	Clean	Clean
Spark plug	—	Clean	Replace
Valve clearance- Check - Adjust			Inspect *
Idle Speed	Inspect *	Inspect *	Inspect *
Throttle cable	Inspect *	Inspect *	Inspect *
Fuel line	Inspect *	Inspect *	Inspect *
Brakes	Inspect *	Inspect *	Inspect *
Tires	Inspect each time before and after ride		
Drive Chain	Clean, lubricate and inspect each time the ATV is ridden		
Suspension	—	—	Inspect *
Steering	Inspect *	Inspect *	Inspect *
Chassis bolts and nuts	Tighten	Tighten	Tighten
Exhaust pipe & Muffler Bolts	T	Tighten	Tighten

Inspect* = Require inspect and clean, adjust, lubricate or replace, if necessary

SPARK PLUG

To determine if the standard spark plug is in good condition. Check the color of the plug's center electrode insulator after vehicle operation. A brown color indicates that the plug is correct. A white or dark insulator indicates that the engine may need adjustment, or another plug may be needed.

To install a spark plug turn it in as far as possible with your fingers, then tighten it with a wrench.

The Motoworks 49CC ATV use L7T Spark Plug

INSPECTION AND MAINTENANCE

⚠ CAUTION

Failing to use the proper spark plug could damage your ATV.

An improper spark plug may have an incorrect fit or heat range for your engine. This may cause severe engine damage which may not be covered under warranty.

⚠ CAUTION

Dirt could damage your ATV if it entered an open spark plug hole of cylinder head. Dirt could damage engine parts that move.

Cover the spark plug hole while the spark plug is out of the hole.

⚠ CAUTION

Improper installation of the spark plug could damage your ATV.

An overly tight or cross threaded spark plug will damage the aluminum threads of the cylinder head.

Carefully turn the spark plug by hand into the threads. If the spark plug is new, tighten it with a wrench about $\frac{1}{2}$ turn past finger tight. If you are reusing the old spark plug, tighten it with a wrench about $\frac{1}{8}$ turn past finger tight

THE ADJUSTMENT OF THROTTLE LEVER

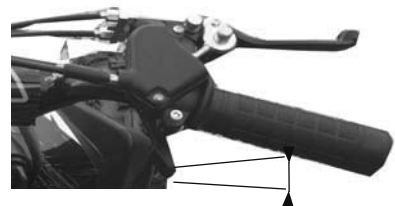
To adjust throttle lever free distance:

1. Slide back rubber cover from adjuster nut.
2. Loose the cinch nut. Turn the adjuster nut in or out to obtain the correct play.
3. Tighten the cinch nut
4. Recheck the throttle lever free distance. Re-adjust it if it is not within the correct limits.

Throttle lever adjustment nut



Cinch Nut



3.0-5.0 mm free distance

⚠ WARNING

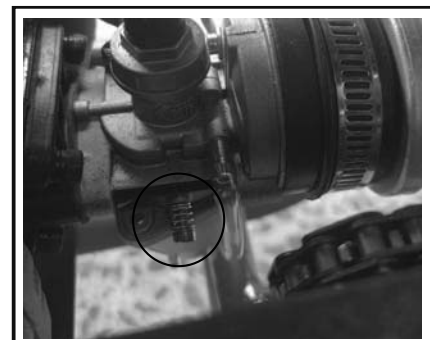
Operating the vehicle with an inadequate throttle lever free distance could be hazardous. Inadequate throttle lever free distance could cause engine speed to rise suddenly when you turn the handlebars. This can lead the rider to lose control.

Adjust the throttle lever free distance so that engine idle speed does not rise due to handlebar movement.

THE ADJUSTMENT OF ADLE SPEED

To adjust the idle speed properly, you need a tachometer. If you do not have one, ask your authorized service center to perform this adjustment.

1. Start the engine and warm it up.
2. Turn the idle screw in to increase the speed
Turn the idle screw out to reduce the speed



Idle adjustment screw

INSPECTION AND MAINTENANCE

⚠ WARNING

Improper adjustment of the idle speed could be hazardous.

An idle speed that is too high could cause the ATV to launch forward when you start the engine. This may cause an accident and excessive engine wear.

Adjust the idle to the correct speed. Make sure the engine is fully warm before adjusting the engine idle speed.

FUEL HOSE

Inspect the fuel hose for damage and fuel leakage. If any defects are found, the fuel hose must be replaced.

AIR FILTER

The air cleaner element must be kept clean to provide good engine power. If you use your vehicle under normal, low-tension conditions, you should service the air cleaner at the intervals specified. If you ride in dust, wet, or muddy conditions, you will need to inspect the air cleaner element much more frequently.

Loose the hose clamp screw. pull the air filter out



Hose clamp screw

Cleaning the Air Filter

1. Tap air filter gently against hard object to remove dirt and dust.
2. Blow air filter out gently with compressed air
3. If air filter is damaged, replace with a new one

⚠ WARNING

Operating the engine without the air cleaner element in place could be hazardous.

If the air cleaner element did not filter dirt, severe engine damage would occur if the dirt entered the running engine.

Never run the engine without the air cleaner element in place.

⚠ CAUTION

A torn air filter could damage your ATV. Dirt and dust may get inside of the engine if the element is torn.

A torn air filter could damage your ATV.

⚠ CAUTION

Air will bypass the air cleaner element if the element is not positioned properly. This will cause the engine parts to wear more rapidly. Be sure to position the air cleaner element properly.

INSPECTION AND MAINTENANCE

DRIVE CHAIN & SPROCKET

The condition and adjustment of the drive chain should be checked before riding. Always follow the guidelines below for inspecting and servicing the chain.

Inspecting the Drive Chain

When inspecting the chain, look for the following:

- Loose pins
- Dry or rusted links
- Damaged rollers
- Kinked or binding links
- Excessive wear

If you find anything wrong with the drive chain, solve the problem if you can. If necessary, consult your seller.

Sprockets Check

The drive chain is damaged means that the sprockets may also be damaged. Inspect the sprockets as specified below

- Excessively worn teeth
- Broken or damaged teeth
- Loose sprocket mounting nut(s)

Drive Chain Cleaning, Oiling and Adjustment

Chain Cleaning

Wash the chain with water. Dry the chain, and then oil the links with Chain lube or equivalent.

Chain Tension Adjustment

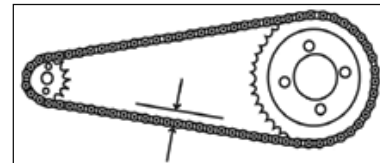
The drive chain should be adjusted and make sure there is **30~40 mm** of slack, as shown

1. Loosen 4 Axle Lock Bolts
2. Adjust slack in the drive chain by turning the adjusting nuts clockwise or counter clockwise to tighten or loosen.
3. When proper adjustment is obtained, tighten the axle lock bolts x 4

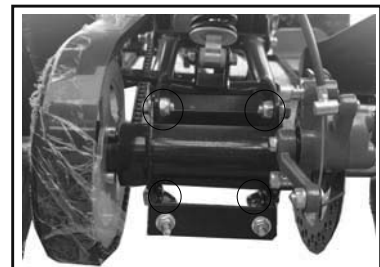
⚠ WARNING

Riding with the chain in poor condition could lead to an accident.

Be sure to inspect and maintain the chain before riding, according to these guidelines.



Real Axle Lock Bolts x 4



Adjusting nuts / Tensioner x 2

INSPECTION AND MAINTENANCE

WHEEL & TIRES

Tire Air Pressure

Check the air pressure in all tires before riding. Improper air pressure would effect handling, steering response, traction, tire life and rider comfort.

Be sure that the tires are inflated to the pressures shown below.

The tire pressure should only be measured or adjusted when the tires are cold.

Tire Replacement

Your ATV has low-pressure tubeless tires. Air is sealed by the contact surfaces of the inner wheel rim and the tire bead. If the inner wheel rim or tire bead is damaged, air may leak.

We are not recommend end user attempt to change the tyre at home. If do so be extremely careful not to damage these sections when replacing tires.

It is very important to use the proper tools when repairing or replacing tires in order to protect the tire bead or wheel rims. Please contact your authorized seller or qualified tire fitting station to provide tire change or seek complete wheel replace option.

Tubeless Tire Repair

If a leak or flat tire occurs due to a puncture, the tire may be repaired using a plug type patch. If the damage is from a cut, or if the puncture cannot be repaired using a plug, the tire should be replaced. When operating your ATV in areas here transportation or service facilities are not readily available, it is strongly recommended that you may consider have spare wheels.

⚠ WARNING

Failing to inspect the drive chain slack before each use of the ATV could be hazardous. Too much chain slack could cause the chain to come off the sprockets, resulting in an accident or serious damage to the ATV

Front	4.10-6	7 psi
Rear	13x5.00-6	7 psi

Recommended Spec:
Load 30kg+ Speed 40 km/Hour+

⚠ WARNING

Using worn tires could be hazardous. The traction of the vehicle will be decreased. This increases your risk of having an accident.

Overfilling the air to the tires could be hazardous. If you put too much air into the tire, may burst, and causing severe injury. Check the air pressure from time to time while inflating the tire gradually, until the specified air pressure is obtained.

⚠ WARNING

Using tires that have been installed incorrectly could be hazardous. The ATV may have unusual handling if the tires are installed incorrectly. The tires are intended to rotate in a specific direction, as indicated by the arrows on the sidewall of each tire. Th Install tires correctly so they rotate in the proper direction.

INSPECTION AND MAINTENANCE

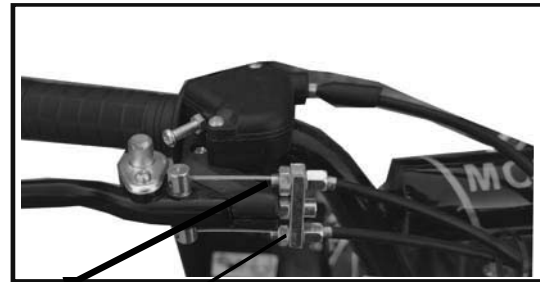
BRAKING SYSTEM

Front Brake Cable Adjustment

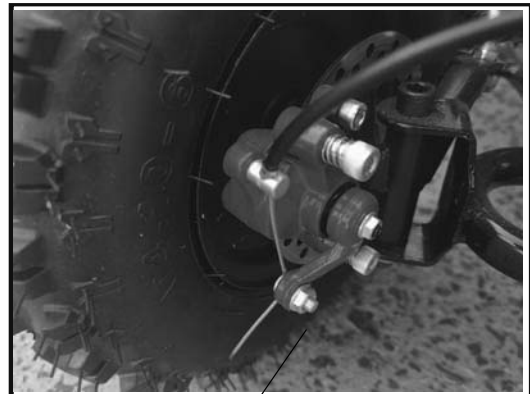
1. Try to move the vehicle backward and forward when the brake is applied. If the wheels can turn, adjust the brake to lock the wheels securely.
2. Loosen nut1 and turn nut2 to adjust the brake cable.
3. After any adjustment of the brake, check again to make sure the front wheels cannot turn when the brake is applied.

You can also adjust the brake cable at the brake caliper

1. Turn nut (3) clockwise to tighten the tension on the cable and counter clockwise to loosen the tension.
2. After any adjustment of the brake, check again to make sure the wheels cannot turn when the brake is applied.



Nut 1 Nut 2



Nut 3

⚠ WARNING

Failing to maintain the brake pads could be hazardous.

Riding with worn pads that are seriously worn, will increase your chance of having an accident. If you need to replace brake pads, have your authorized service center do the work.

⚠ WARNING

Failing to inspect and maintain your ATV's brake system properly could be hazardous. Improper maintenance of the brake increases your chance of having an accident.

Operating the ATV in harsh conditions could be hazardous if you do not inspect brake wear often. Operating in mud, water, sand, or other extreme conditions can cause accelerated brake wear. This could lead to an accident.

TROUBLESHOOTING

ISSUE: Engine is hard to start or does not start at all. Something is probably wrong with the fuel system or ignition system.

Fuel Supplying Check

1. Make sure there is adequate fuel in the fuel tank.
2. Check that the safety pull core is attached to the handle bar. Key is turned on.
3. Check that the fuel valve is in the "ON" position.
4. Make sure there is enough fuel reaching the carburetor from the fuel tank.
5. Loosen the drain screw which is located under the carburetor. Drain the fuel from the carburetor into a container.
6. Tighten the drain screw.
7. Run the engine for few sec
8. Loosen the drain screw and check that the carburetor is filled back up with fuel.
9. If fuel is reaching the carburetor, the ignition system should be checked next.

Ignition System Check

1. Remove the spark plug and reattach it to the spark plug lead.
2. Apply the front brake lock to make sure the rear wheels are locked. Pull the pull starter. If the ignition system is operating properly, a blue spark should jump across the spark plug gap. If there is no spark, take your machine to your service center.



▲ CAUTION

Failing to troubleshoot a problem correctly would damage your ATV. Improper repairs or adjustments may damage the vehicle. Such damage may not be covered under warranty. If you are not sure about the proper action, consult your authorized seller about the problem.

▲ WARNING

Draining fuel from the carburetor could be hazardous. Fuel could catch fire if you do not handle it properly. When draining the carburetor, be sure to shut the engine off. Do not smoke, and never drain or refuel in an area where there are open flames or sparks.

▲ WARNING

Performing the spark test improperly could be hazardous. You could get a high voltage electrical shock if you are not familiar with this procedure. Do not perform this check if you are not familiar with the procedure. Do not point the spark plug near the spark plug hole during this test. Do not do this test if you have a heart condition or wear a pacemaker. Do not perform this test in any near any open fuel containers for near fuel which has spilled on the ground, on the engine, or any part of the ATV.

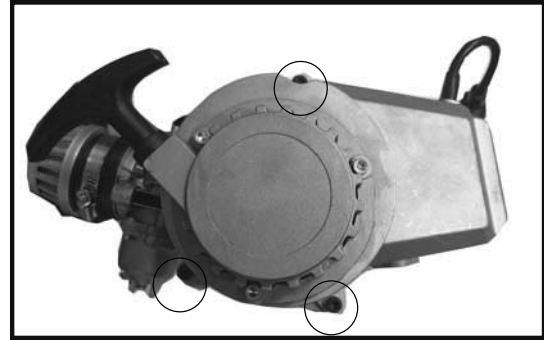
TROUBLESHOOTING

ISSUE: Engine Stalls

1. Make sure there is enough fuel in the fuel tank.
2. Check to see that the spark plug is not fouled. Remove the spark plug and clean it. Replace it, if necessary.
3. Make sure the fuel valve is not clogged, and the fuel tank is not clogged, either.
4. Check the idle speed. If necessary, adjust it using a tachometer.

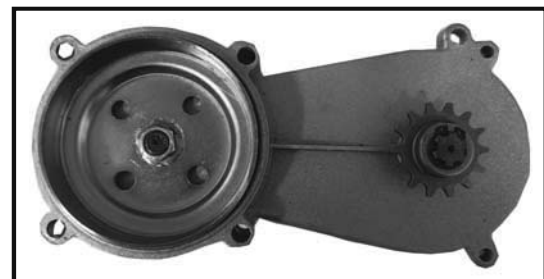
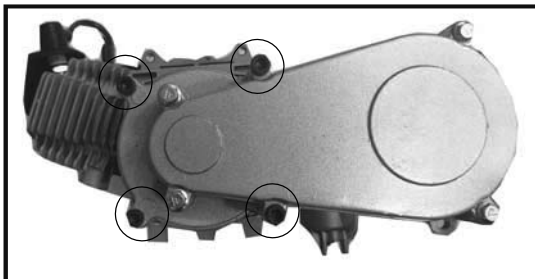
ISSUE: Pull Starter Jammed

1. Remove the three bolts from the pull starter case, and take the pull starter off the engine.
2. Test the pull rope and check if it trigger the inner pull cord to turn freely
3. Contact the seller to replace the pull starter if the rope is not move freely or not able to trigger the pull cord to turn.
4. If no issue noticed on the pull starter, please refer to the next section to contiune check the clutch.



ISSUE: Wheel Locked

1. Check the brake system include cable, lever and pads. Also check parking lock has been released.



2. Undo the 4 marked bolts to remove the clutch housing.
3. Spin the clutch housing, and check if the sprocket spin with it.
4. If the sprocket if not spin with the clutch housing, or clutch housing is jammed. Contact seller to replace the clutch housing assembling.

TROUBLESHOOTING

5. After remove the clutch housing assembling the clutch unit is accessible.

Checking the clutch unit condition:

- If the clutch pad is in good condition
- If the clutch springs are in the good condtion

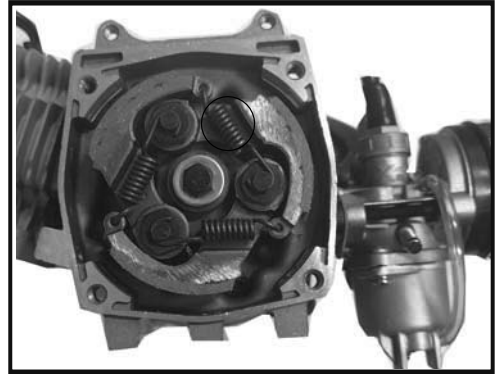
Change the clutch if needed

After remove the clutch housing assembling the clutch unit is accessible.

Checking the clutch unit condition:

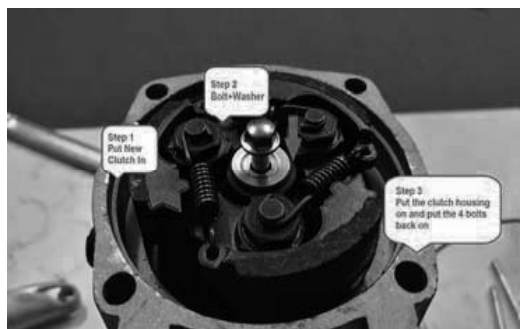
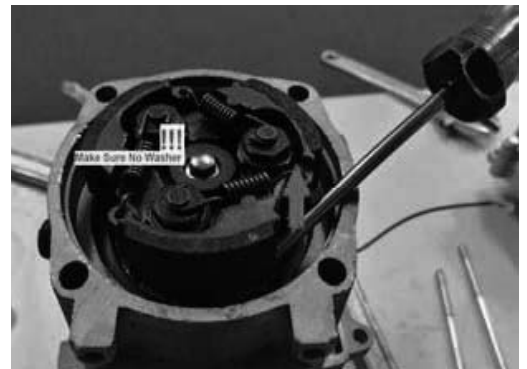
- If the clutch pad is in good condition
- If the clutch springs are in the good condtion

Change the clutch if needed



REMOVE AND INSTALL NEW CLUTCH

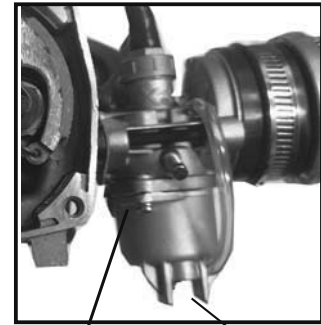
1. Remove the clutch housing make clutch accessible from the side.g
2. Use a screw driver to lock the clutch to prevent it's movement.
3. Use the spanner/ratchet to remove the center shaft bolt and washer.
4. Use the screw driver try to take out the clutch. You may consider do couple of attempts from different direction to loose the clutch a bit make the task ealier.
5. Once old clutch removed. Pull new clutch on. Use a hammer knock in the clutch make it property sit on the shaft with gentle.
6. Install the washer, install the shaft bolts. Pull clutch housing on, tighten the 4 bolts. The clutch change process complete



TRANSPORTING

It is best to transport the ATV in the normal position. Before transporting the ATV turn the fuel valve to the "OFF" position then drain the fuel from the carburetor as follows:

1. Drain fuel from carburetor into an empty container by loosening the carburetor drain screw.
2. When the fuel has been drained, retighten the screw



Carburetor Drain screw

▲ WARNING

Draining fuel from the carburetor could be hazardous. When draining fuel from the carburetor, be sure to shut the engine off. Do not smoke, and never drain or refuel in an area where there are open flames or sparks. Do not spill the fuel or you may create a fire hazard. Dispose of the drained fuel properly.

▲ CAUTION

Failing to secure the vehicle properly may result in an accident or damage to the vehicle. When transporting the ATV, lock the parking brake lever and tie down the vehicle securely with straps, rope, or some other suitable means. Use extra tie downs when you transport the vehicle in the standing position.

CLEANING & STORAGE

A thorough cleaning of your ATV is a necessary part of maintenance. It will help keep your ATV looking and performing best. Proper cleaning can also extend the life of your ATV.

It is important to clean and inspect your ATV after every ride, especially if it is used in mud, brush, grass, water, salt water, or very dusty conditions. The build-up of mud, brush, grass, etc. especially on the engine and exhaust system, can reduce engine cooling ability, conceal damage, or increase wear of certain parts. It is important to remove all debris during cleaning.

PREPARATION FOR CLEANING

Wash the ATV before any mud dries on the ATV Block or seal the end of the exhaust pipe (muffler) using a piece of plastic wrap, cloth rag or another method to prevent water from entering engine.

▲ CAUTION

High pressure washers could damage your ATV. It may cause rust, corrosion and increase wear.

CLEANING & STORAGE

PREPARATION FOR CLEANING

Wash the ATV before any mud dries on the ATV. Block or seal the end of the exhaust pipe (muffler) using a piece of plastic wrap, cloth rag or another method to prevent water from entering engine.

WASH THE ATV

With some care, your ATV can be washed in a similar manner to washing an automotive

Note: Avoid spraying or allowing water to flow over the following places

· Ignition switch · Fuel tank cap · Air Filter · Spark plug · Carburetor

Use a garden hose at low pressure to remove the majority of dirt or other debris. Hand wash your ATV with mild soap or detergent and water. Try to thoroughly remove all dirt and debris without excessive water pressure, even at remote areas such as between engine cooling fins, linkages or mounting brackets. Cloth rags, washing mitts or cleaning brushes can be used. Be careful with brushes as they may scratch plastic or painted surfaces. Rinse the ATV thoroughly with clean water. Dry all areas using a chamois or soft absorbent cloth.

INSPECTION AFTER CLEANING

Remove the rags or wrapping from the exhaust pipe.

Follow the procedures in the INSPECTION BEFORE RIDING section to check your ATV for any problems that may have occurred during your last ride.

FUEL

Drain the fuel from the fuel tank by a hand pump. Drain the fuel from the carburetor by releasing the carburetor drain screw.

TIRES: Inflate tires to the normal pressure

EXTERNAL

1. Spray all vinyl and rubber parts with rubber protection.
2. Spray unpainted surfaces with rust preventative.

PROCEDURE FOR RETURNING TO SERVICE

1. Make sure that the vehicle is properly lubricated.
2. Perform the INSPECTION BEFORE RIDING as listed in this manual.
3. Start the vehicle as outlined in this manual.

WARRANTY & LIABILITY

OWNER'S WARRANTY RESPONSIBILITIES

As the vehicle owner, you are responsible for the performance of the required maintenance. You should maintain a record of all maintenance performed on your vehicle and retain all receipts covering maintenance on your vehicle. You may not be denied a warranty claim solely because of your failure to ensure the performance of all scheduled maintenance or lack of maintenance records or receipts. You are responsible for presenting your vehicle to an authorized dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should be aware that you may be denied your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications

The liability of the Distributor under this Warranty is limited solely to the remedying of defects in material workmanship by an authorized dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the vehicle or transportation of the vehicle to/from the authorized dealer. The Distributor is not liable to any person for incidental, consequential or special damages of any description, whether arising out of express or implied warranty or any other contract, negligence or other tort or otherwise.

EXCLUSIONS AND LIMITATIONS

This warranty does not cover the following:

- Failures or malfunctions of the emission control systems caused by abuse, alteration, accident, misuse, incorrect fuel and oil mixtural rate.
- Replacement of expendable maintenance items unless they are original equipment defective in material or workmanship under normal use, and the first required replacement interval for the item has not been reached. Expendable maintenance items include but not limited to spark plugs, filters, clutch, brake pads, pull starter, lubricants, gaskets and hoses.
- Replacements of parts and other services and adjustments for required maintenance.
- Repairs or replacements as a result of: Accident or Misuse
- Use of replacement parts or accessories not conforming to the original affect performance.
- Physical damage, corrosion. or defects caused by fire, explosions or similar causes beyond the control of the distributor.
- Use of the vehicle in any type of competitive racing or related events immediately and completely voids this and all other warranties.

Evaluation Sheet

Table L.1 — Evaluation sheet before letting a person use the ATV

Points to be checked	Yes	No	Points to be checked	Yes	No
First checks			Emergency manoeuvres the maximum speed of the vehicle		
Can the person reach the footrests			Front and rear brakes satisfactory		
Does he have a good lateral vision (make the panoramic test)			Direction of vision satisfactory		
First exercises			Position of the ATV satisfactory		
Can move the ATV without using it, walking beside it			On a slope		
Can park the ATV, activate the parking brake			Can perform a U turn		
Familiarity with the controls, correct use			Can drive down the slope		
Can set correctly rear view mirrors			Good distribution of the body weight		
Can use the lights			Awareness of special situations		
Can use clutch			Impact of meteorological conditions		
Can use the gearbox			Wary of driving errors or dangerous behaviour putting the immediate safety of the rider or other persons at risk		
Can use the accelerator			Behaviour satisfactory during use in normal situations (after explanations by the supervisor)		
Can use the braking systems			Cornering using body weight		
First manoeuvres (make 2 at reduced speed, among which one slalom)			Driving down a slope		
Can use the clutch in conjunction with the brake			Climbing slopes		
Balance satisfactory			Driving down a slope		
Direction of vision satisfactory			Crossing a slope horizontally		
Driving technique satisfactory			Driving on rough terrain		
Gear selection technique satisfactory			Skidding and wheel spin		

Pre-delivery Inspection Checklist

If you collect the assembled bike from Motoworks Australia or local dealer please ask for a signed pre-delivery certificate.

For online order or pick up product in original package and conduct self assembling please use following table to conduct a self check before use the product

Set-Up Items Completed as Specified in Assembly Guide:	✓
Install Handlebar	
Install Wheels	
Verify Tire Pressure	
Mix 30ml 2 Stroke Oil to 1L 91 Unlead Fuel	
Add Mixed Fuel	
Check all bolts and nuts	
Check all wiring connection	
Check all cable	
Adjust Chain	
General check after assembling	

If you notice parts are missing, experiencing difficult to complete the assembling or notice something is wrong please contact your seller.

You may need provide following support information:

- Clear description of the concerns
- Photos of the product and concerned area
- Provide your contact details for seller's technician to contact you
- Proof of purchase

WARNING SIGN



Do not use this vehicle on public roads



Do not carry passengers on this vehicle



Never use drugs or alcohol



Do not carry more than one passenger on this vehicle



Tyre pressure



Use from 6 years old



Use from 10 years old



Use from 12 years old



Use from 16 years old



Use personal protective equipment



Read instructions handbook



Towing device: horizontal force limitation



Towing device: Vertical force limitation

⚠ CAUTION

Indicates a potential hazard that could result in vehicle damage

⚠ WARNING

Indicates a potential hazard that could result in death or injury