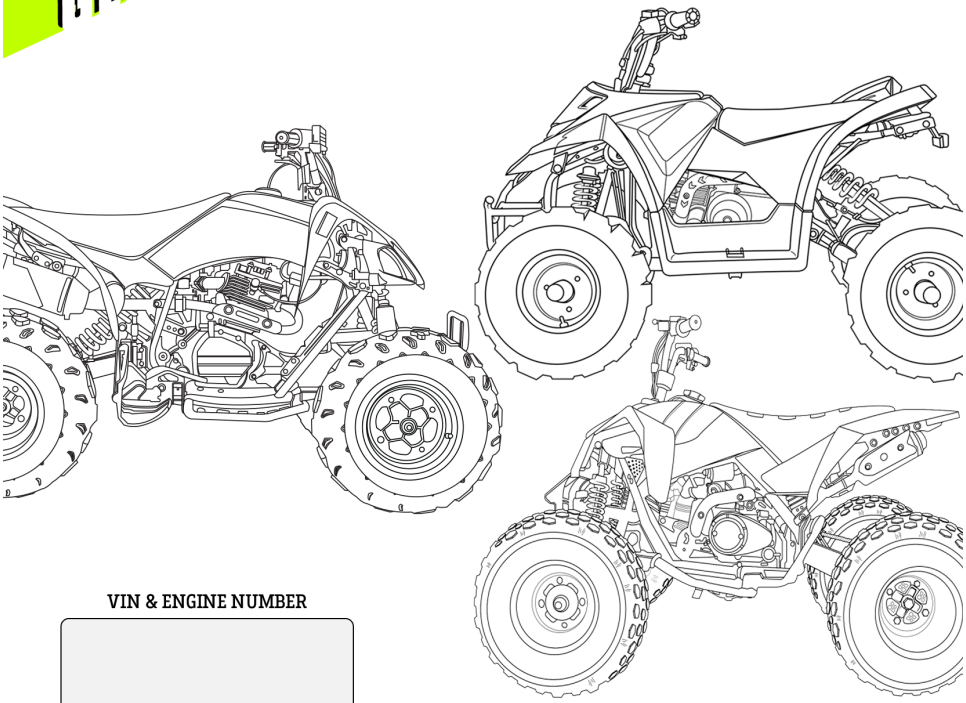
OWNER'S MANUAL

PACKS THE BIGGEST PUNCH

Read and understand this entire manual before riding. Thumpstar Motorbikes strongly recommend having this machine assembled by a skilled mechanic. Assembly should include, but is not limited to checking over the entire bike including the engine.

GENUINE THUMPSTAR

ATV 70cc
ATV 125cc
ATV 250cc



VIN & ENGINE NUMBER

NOTE:
Manual illustrations are for demonstration purposes only. Illustrations may not reflect exact appearance of actual product. Specifications subjected to change without notice.

/thumpstarmoto
/genuinethumpstar

MANUAL # 3627

Owner's Manual

ATV 70CC
ATV 125CC
ATV 250CC

FOR OFF-ROAD USE ONLY

This vehicle is designed and manufactured for off-road use only.

It is illegal and unsafe to operate this machine on any public street, road and highway.

This vehicle complies with all applicable off-road noise level and spark arrestor laws and regulation in effect at the time of manufacture.

Thumpstar reserves the right to make changes at any time without notice and without incurring any obligation.

This publication includes the latest production information available before printing.

Please check your local riding laws and regulations before operating this machine.

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Introduction

Thank you for your purchase **Thumpstar ATV 70 / 125 / 250**

This manual will provide you with a clear understanding of the details and operation of this vehicle. This manual includes all of the necessary safety information. It provides information necessary to ride your vehicle and also includes basic service and inspection procedures.

For complete manuals on your particular ATV please visit our website and view your ATV product to find the Downloadable manual.

AN IMPORTANT SAFETY MESSAGE

- Read this manual carefully and completely before operating your vehicle. Make sure you understand all instructions.
- Pay close attention to the warning and caution labels on the vehicle.
- Never operate an ATV without proper training or instruction.

IMPORTANT MANUAL INFORMATION

Failure to follow the warnings contained in this manual can result in **serious injury or death.**

Particularly important information is distinguished in this manual by the following notations:

WARNING	Failure to follow **WARNING** instructions could result in severe injury or death to the vehicle operator a bystander or a person inspecting or repairing the vehicle
CAUTION	A **CAUTION** indicates special precautions that must be taken to avoid damage to the vehicle
NOTE	A **NOTE** provides key information to make procedures easier or clearer

A Few Words About Safety

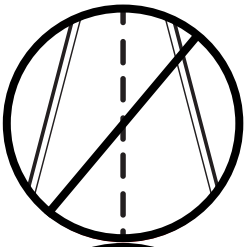
Your safety, and the safety of others, is very important. And operating this ATV safely is an important responsibility.

⚠ DANGER!	You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.
⚠ WARNING!	You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
⚠ CAUTION!	You CAN be HURT if you don't follow instructions.

⚠ WARNING

Always use an approved helmet & protective gear

Never use public roads



Never carry passengers

Never use with drugs or alcohol

Risk of rollover even on flat terrain

This section presents some of the most important information and recommendations to help you ride your motorcycle safely. Please take a few moments to read these pages. This section also includes a special message for parents and location information for the safety labels on your motorcycle.

Safety Information

To drive an ATV is a serious matter and can be hazardous to operate. 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 riding on hills or over obstacles, if you fail to take proper precautions

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

- Never carry a passenger on an ATV
- Always avoid operating an ATV on any paved surfaces, including sidewalks, driveways, parking lots and streets.
- Never operate an ATV on any public street, road or highway nor a dirt or gravel one.
- Never operate an ATV without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt, or jacket, and long pants.
- Never consume alcohol or drugs before or while operating this ATV.
- Never operate at speeds too fast for your skills or the conditions.
- Never attempt wheelies, jumps, or other stunts.
- Always inspect your ATV each time you use it to make sure it is in safe operating conditions.
- 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 foot boards of the ATV during operation.
- Never operate the ATV in fast flowing water or in water deeper than 25cm (10in)
- Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never modify the ATV through improper installation or use of accessories
- Never exceed the stated load capacity for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking while transporting cargo

⚠WARNING! Always turn off the engine when refueling.
Don't start or run the engine in a closed area to avoid potential hazard.

Safety Labels

RISK OF ROLLOVER

Quad bikes are dangerous and could roll over causing injury or death to the operator.

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

Risks of a serious incident are also increased when operators:
*are inexperienced
*carry passengers
*do not have the physical strength to ride actively
*are under the influence of alcohol or drugs
*are not wearing suitable personal protective equipment such as a helmet.
*Children are at greater risk of serious injury and death while operating quads. Adult sized quad bikes should not be operated by children. Even the smaller youth quads have been involved in fatal incidents in Australia.

Quad bike accidents are common and can happen very easily, so always take the necessary precautions to protect yourself and children.

RIDE SAFE

*Always wear a helmet.
*Wear protective clothing and gear such as goggles, long sleeves, long pants, boots and gloves/hand protection.
*Never let children ride quad bikes that are meant for adults — even as passengers.
*Do not carry any passengers on quad bikes that are meant for one person.
*Ride on familiar tracks and beware of obstacles.
*Ensure children are supervised at all times near any quad bike activity.
*Always carry a mobile phone or radio device so you can contact for help in case of an emergency.

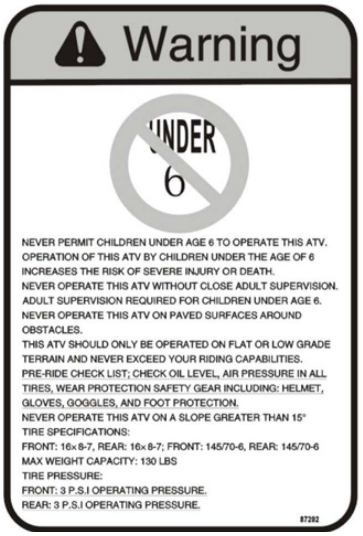
Safety Labels

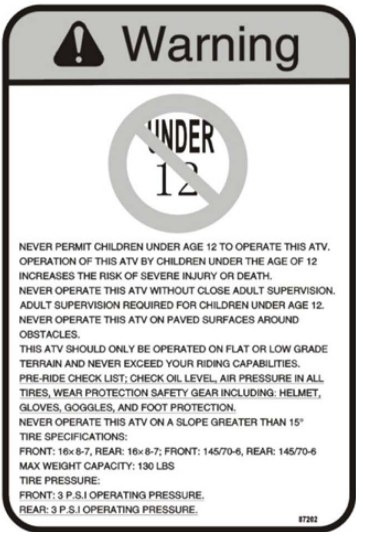
ATV 70

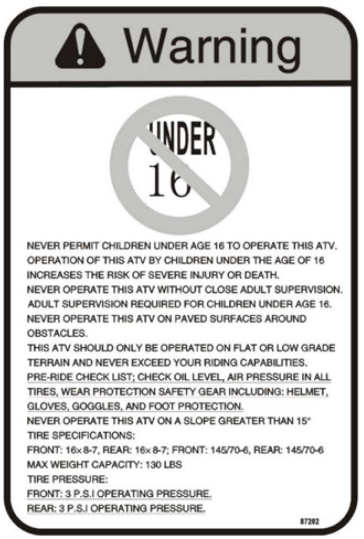
Read and understand all of the labels on your quad.

They contain information for safe proper operation of your quad.

Never remove any labels from your quad. If a label becomes difficult to read or comes off, a replacement label is available from your dealer.

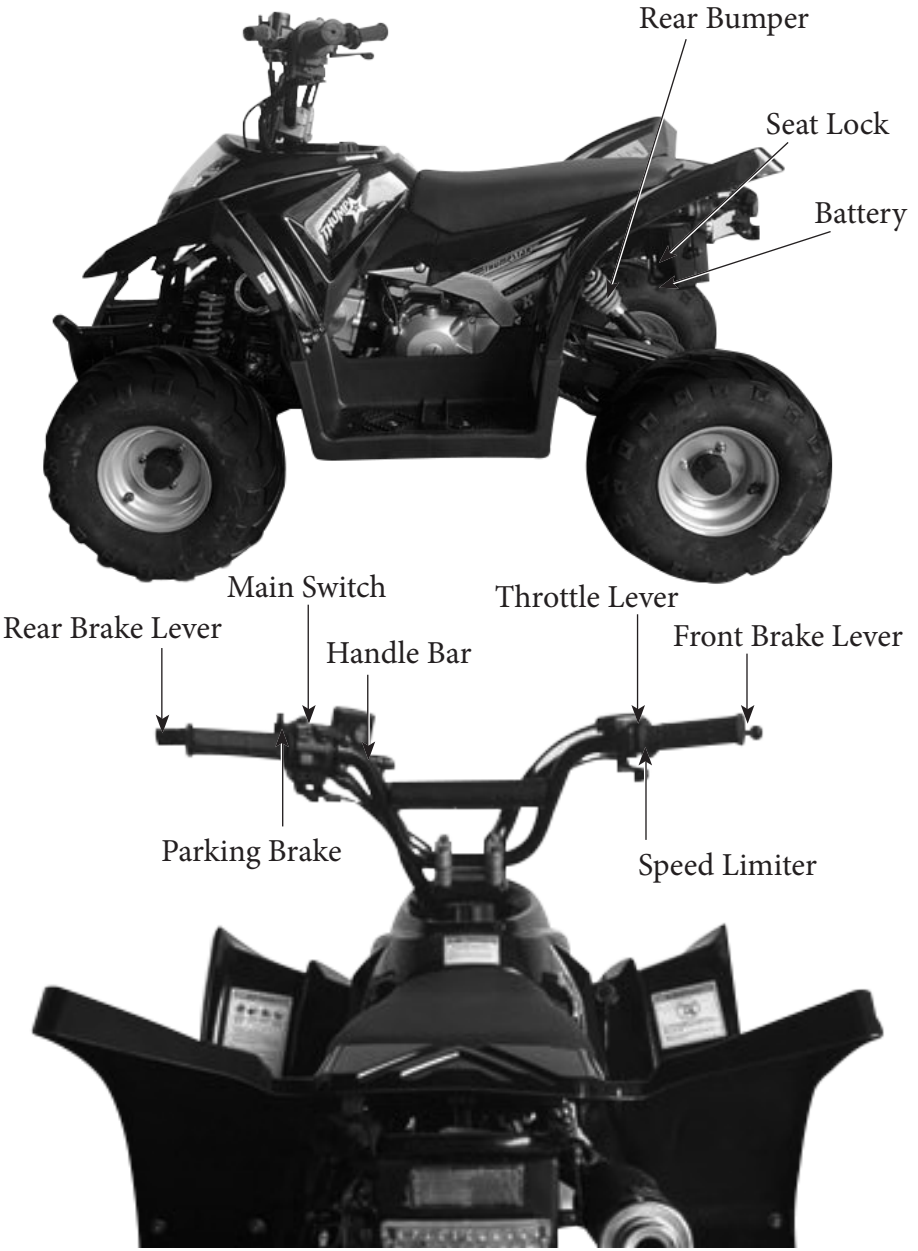






Safety Labels

LOCATION OF PARTS



Safety Labels

ATV 125

⚠ WARNING

Improper ATV use can result in SEVERE INJURY or DEATH

ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR | NEVER USE ON PUBLIC ROADS | NEVER CARRY PASSENCERS | NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger - passengers affect balance and steering and increase risk of losing control

ALWAYS:

- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

LOCATE AND READ OWNER'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS.

⚠ WARNING

Improper tire pressure or overloading can cause loss of control.
Loss of control can result in severe injury or death.

- **Cold tire pressure:**
  Front : 10 ±0.5 psi (69±3.5 kPa)
  Rear : 10 ±0.5 psi (69±3.5 kPa)
- **Maximum weight capacity: 176lbs.(80kg)**

⚠ WARNING

NEVER ride as a passenger.

Passengers can cause a loss of control, resulting in SEVERE INJURY or DEATH.

⚠ WARNING

RISK of ROLLOVER even on flat terrain

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

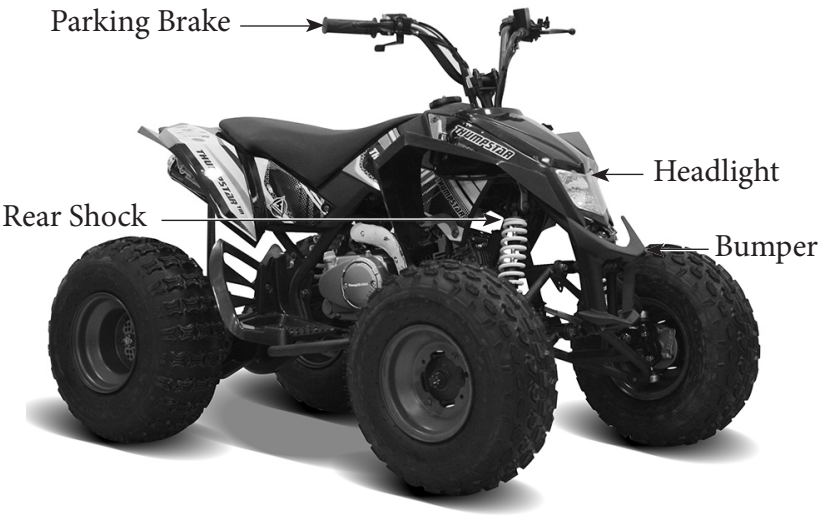
AVOID sudden sharp turns

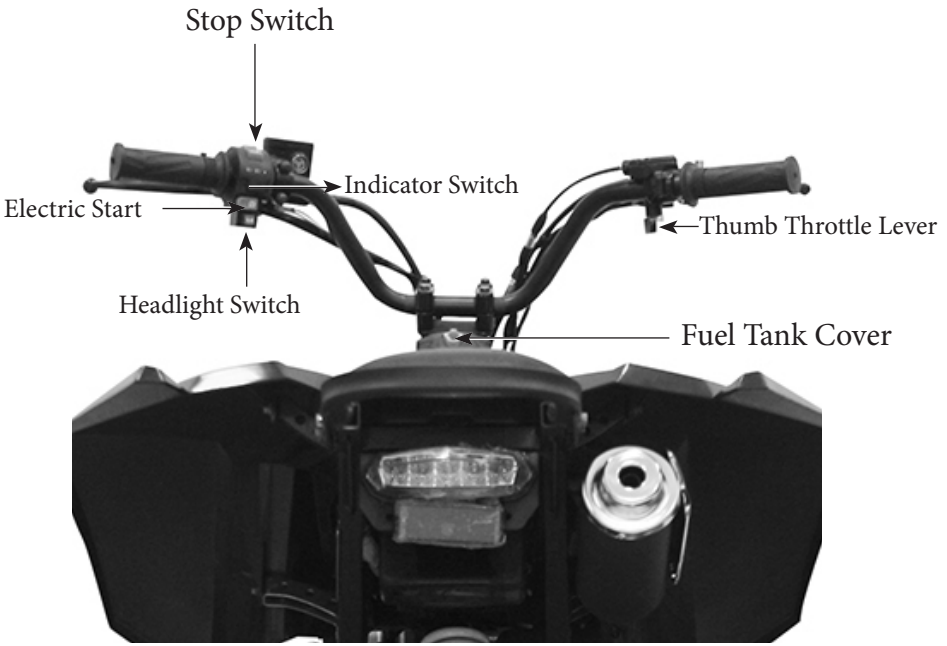
AVOID steep inclines

AVOID riding across slopes

Safety Labels

LOCATION OF PARTS





Safety Labels

ATV 250

Read and understand all of the labels on your ATV. These labels contain important information for safe and proper operation. Never remove any labels from your ATV. If a label become difficult to read or comes off, request a replacement label from your dealer.

Safety Labels

1

Warning

Must wear the certified helmet and protective equipment

Ban on the roads

Ban to pick up passengers

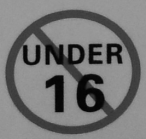
Banned alcohol, drugs and driving

The following situations are forbidden to drive:
Without the right training or not read product specifications
Beyond the driver skills of speeding
Road-can result in and other vehicle collisions
Manned- -this will affect the balance of the vehicle and driving, lead to dangerous driving out of control
Driving:
Use the right driving technology, in order to avoid all terrain vehicle in the hills and muddy road
Avoid on the road-path will be the serious influence manipulation and control

Please find and reading product specifications, abide by manipulating directives and warning

2

Warning



Banned driving under the age of 16 children.
Children under the age of 16 driving this car has the risk of severely injured or death.
Banned driving under the age of 16 children and teenagure.

3

Warning

Please use 90 # gasoline

Refueling should be flamed out,

to prevent fire or explosion hazard.

4

Warning

Inaccurate tyre pressure or overloading will lead to the motorcycle out of control.
Out of contol will lead to serious injure or death.
.The tyre pressure of cold state:
Front:60kpa±5kpa
Rear:60kpa±5kpa
. Max load weight: 60kg

5.

Warning

Ban to pick up passengers.

If to pick up passengers can lead to uncontrollability, cause serious injury or death.

6.

WARNING

RISK of ROLLOVER even on flat terrain

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

AVOID sudden sharp turns

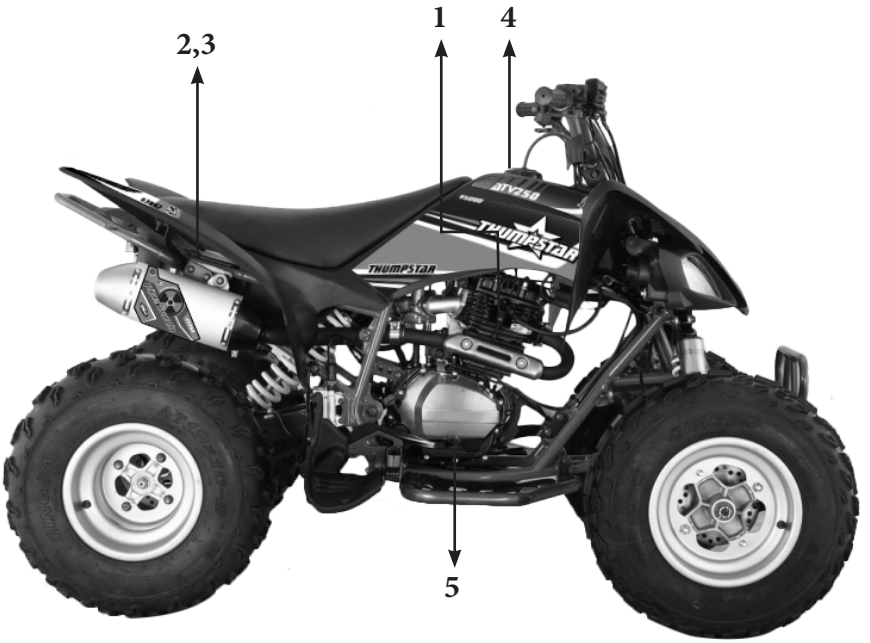
AVOID steep inclines

AVOID riding across slopes

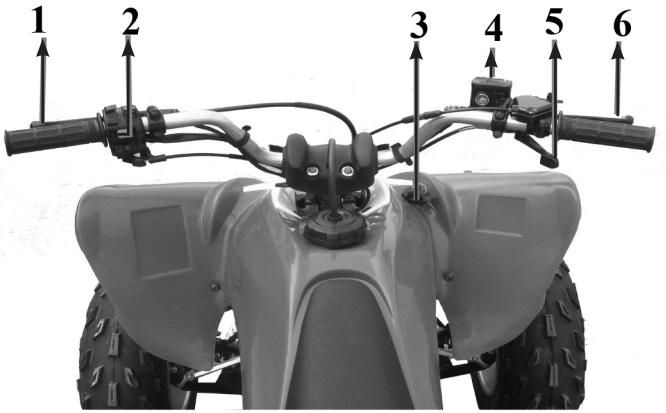
LOCATION OF PARTS

1. Front Shock Absorber
2. Fuel Tap
3. Rear Shock Absorber
4. Owner's Tool Kit
5. Air Filter

Safety Labels



1. Spark Plug
2. Fuse
3. Battery
4. Fuel Tank Cap
5. Brake Pedal



1. Clutch Lever
2. Handlebar Switches
3. Main Switch
4. Front Brake Fluid Reservoir
5. Throttle Lever
6. Brake Lever

Pre-Operation Checks

Inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in the owner's Manual.

WARNING!

Failure to inspect or maintain the vehicle properly increases the possibility of an accident or equipment damage. Do not operate the vehicle if you find any problem. If a problem cannot be corrected by the procedures provided in this manual, have the vehicle inspected by your dealer.

ITEM	ROUTINE
Fuel	• Check fuel level in fuel tank, and add recommended fuel if necessary. • Check fuel line for leakage. Correct if necessary.
Engine Oil	• Check oil level in engine, and add recommended oil to specified level if necessary. • Check ATV for oil leakage. Correct if necessary.
Radiator	• Check colling liquid in radiator, and add colling liquid to the full. • Check colling liquid for leakage. Correct if necessary.
Front Brake	• Check operation. If soft or spongy, have a dealer bleed hydraulic system. • Check brake pads for wear,and replace if necessary. • Check brake fluid level in reservoir, and add specified brake fluid to specified level if necessary. • Check hydraulic system for leakage. Correct if necessary.
Rear Brake	• Check operation. If soft or spongy, have a dealer bleed hydraulic system. • Check brake pads for water, and replace if necessary. • Check brake fluid level in reservoir, and add specified brake fluid to specified level if necessary. • Check hydraulic system for leakage. Correct if necessary.

Pre-Operation Checks

Clutch	• Check operation, and correct if necessary. • Lubricate cable if necessary. • Check lever free play, and adjust if necessary.
Throttle Lever	• Make sure that operation is smooth. Lubricate cable and lever housing if necessary. • Check lever free play, and adjust if necessary
Control Cables	• Make sure that operation is smooth. Lubricate if necessary.
Drive Chain	• Check chain slack, and adjust if necessary. • Check chain condition. Lubricate if necessary.
Wheels and Tires	• Check wheel condition, and replace if damaged. • Check tire condition and tread depth. Replace if necessary. • Check air pressure. Correct if
Shift Pedal	• Make sure that operation is smooth. • Correct if necessary
Brake Pedal	• Make sure that operation is smooth. Lubricate pedal pivoting point if necessary
Brake and Clutch Levers	• Make sure that operation is smooth. Lubricate lever pivoting points if necessary.
Chassis Fasteners	• Make sure that all nuts, bolts and screw are properly tightened.
Instruments, Lights and Switches	• Check operation, and correct if necessary.

Pre-Operation Checks

FUEL
Make sure that there is sufficient fuel in the tank.

ENGINE OIL
Make sure that the engine oil is at the specified level. Add oil as necessary.

RADIATOR
Check the cooling fluid level if your ATV is water cooled engine, add fluid if necessary. If add cooling liquid to full, start engine idle speed running, The liquid level will decline, then add the liquid gradually to full.

FRONT AND REAR BRAKES

Brake lever and brake pedal

- **Check that there is no free play in the brake lever. If there is free play, have a dealer check the brake system.**
- **Check for correct brake pedal height. If the pedal height is incorrect, have a dealer adjust it.**
- **Check the operation of the lever and pedal. They should move smoothly and there should be a firm feeling when the brakes are applied. If not, have a dealer check the brake system.**

BRAKE FLUID LEVEL
Check the brake fluid level. Add fluid if necessary.

BRAKE FLUID LEAKAGE
Check to see if any brake fluid is leaking out of the pipe joints or brake fluid reservoirs. Apply the brakes firmly for one minute. If there is any leakage, have a dealer check the brake system.

BRAKE OPERATION
Test the brakes at slow speed after starting out to make sure they are working properly. If the brakes do not provide proper braking performance, check the brake pads for wear.

Pre-Operation Checks

THROTTLE LEVER

Check the operation of the throttle lever. It must open smoothly and spring back to idle position when released. Have a dealer correct if necessary.

DRIVE CHAIN

Check the condition of the drive chain and check the drive chain slack. Lubricate and adjust the drive chain as necessary.

TIRES

Check tire pressure tire gauge to check and adjust tire pressure when the tires are cold. Tire pressures must be equal on both sides.

WARNING!

Operation of this vehicle with improper tire pressure may cause severe injury or death from loss of control or rollover. Tire pressure below the minimum specified could also cause the tire to dislodge from the rim under severe riding conditions.

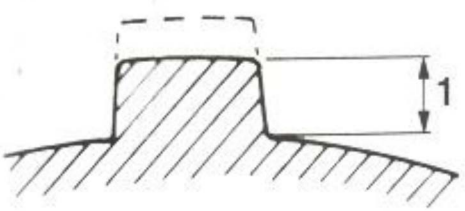
Set tire pressures to the following specifications:

RECOMMENDED TIRE PRESSURE	
Front	27.5 kPa (0.275 kgf/cm², 4.0 psi)
Rear	27.5 kPa (0.275 kgf/cm², 4.0 psi)
MINIMUM TIRE PRESSURE	
Front	24.5 kPa (0.245 kgf/cm², 3.6 psi)
Rear	24.5 kPa (0.245 kgf/cm², 3.6 psi)
MAXIMUM TIRE SEATING PRESSURE	
Front	250 kPa (2.5 kgf/cm², 36 psi)
Rear	250 kPa (2.5 kgf/cm², 36 psi)

The lower-pressure the gauge is included as standard equipment. Make two measurements of the tire pressure and use the second reading. Dust or dirt in the gauge could cause the first reading to be incorrect.

TIRE WEAR LIMIT

When the tire groove decreases to 3 mm (0.12 in) due to wear, replace the tire.



1. Tire Wear Limit

TIRE INFORMATION

This ATV is equipped with tubeless tires with valves.

WARNING!

Use of improper tires on this ATV may cause loss of control, increasing your risk of an accident

After extensive tests, only the tires listed below have been approved for this model.

FRONT	
Size	AT20*7.0-10
Type	Tubeless
REAR	
Size	AT19*10-9
Type	Tubeless

AFTERMARKET TIRES AND RIMS

The tires and rims that came with your ATV were designed to match the performance capabilities and to provide the best combination of handling, braking, and comfort. Other tires, rims, sizes, and combinations may not be appropriate.

CHASSIS FASTENERS

Make sure that all nuts, bolts and screw are properly tightened.

INSTRUMENTS, LIGHTS AND SWITCHES

Check that all instruments, lights and switches are working properly.

Operation - ATV 70

⚠WARNING!

To operate ATV without being familiar with all controls is extremely dangerous. Freezing control cables in cold weather is extremely dangerous. Make sure everything is working smoothly before starting.

TO START OUT AND ACCELERATE

1. Release the parking brake.
2. Open the throttle gradually.
3. Once the vehicle has attained adequate speed, release the throttle lever.
4. Open the throttle gradually.

TO DECELERATE

When showing down or shopping, release the throttle and apply the brakes smoothly and evenly.

ENGINE BREAK-IN

NOTE:

The first 20hrs for engine brake-in is very important, never exceed the running condition listed below:

- **0~10 - HOURS**

Avoid continuous operation above half throttle. Allow a cooling off period of five to ten minutes after every hour of operation. Vary the speed of the vehicle from time to time. Do not operate it at one set throttle position.

- **10~20 - HOURS**

Avoid prolonged operation above 3/4 throttle. Rev the vehicle freely, but do not use full throttle at any time.

- **AFTER BREAK-IN**

Avoid prolonged full throttle operation. Vary speeds occasionally.

- **PARKING**

When parking, stop the engine. Turn the fuel tap to “OFF” and apply the parking brake.

- **PARKING ON THE SLOPE**

Avoid parking on slopes. If you must park on an incline, apply the parking brake, and block the wheels with rocks or other objects.

NOTE:
MAX LOADING LIMIT
Vehicle loading limit (total weight or cargo, rider and accessories, and tongue weight): 60kg (132lbs).

⚠WARNING!

Gasoline is extremely flammable and toxic. Always observe the following precautions when refueling your ATV.

- Never permit vehicle refueling by anyone other than an adult.
- Refuel in a well ventilated area.
- Make sure the engine is off and avoid spilling fuel on a hot engine.
- Do not smoke; make sure that there are no open flames or sparks in the area.
- Avoid prolonged contact with skin and breathing of gasoline vapors.
- Keep children and pets away during refueling.

REMOTE ENGINE STOP SWITCH

The ATV comes equipped with a remote engine stop switch which may be operated by pulling the leash like lanyard attached to stop switch cap. An adult supervising operation of the vehicle can use the lanyard to stop the engine from a short distance. The adult who trains the young rider should always use this lanyard until the rider develops sufficient skills for safe operation of the vehicle.

This switch consists of a rubber cap fitted over a plastic body. When the rubber cap is in place, the engine can operate. When the rubber cap is removed from the switch body, the engine cannot be started. If the engine is running and the rubber cap is removed by pulling the lanyard attached to the cap, the engine will stop running.

To use the remote engine stop switch:

- Fit the rubber cap on the engine of the lanyard over the stop switch body located on the rear end of the vehicle as shown. Put your fingers through the loop at the other end of the lanyard.
- With the lanyard fastened to the vehicle and to your hand, follow after the moving vehicle. If you notice any driving hazard or unsafe situation, pull the lanyard forcefully so that the rubber cap comes off. This will activate the remote engine stop switch, stopping the vehicle's engine

⚠WARNING!

When the stop switch cap is pulled off, the engine will stop running. The vehicle will continue to roll for some distance, however. Remember this when judging when to operate the remote engine stop switch.

⚠WARNING!

If you do not put your fingers through the loop in the lanyard, it may slip from your grasp unexpectedly. This could make it impossible for you to stop the engine in an unsafe situation.

⚠WARNING!

The throttle limiter should always be set to the low power position when the engine stop lanyard is used. Only children.

With enough skill for safe operation of the ATV without parental use of the lanyard should be permitted to operate ATV with the throttle limiter set to maximum power position. In addition, an adult trying to follow a moving ATV with the throttle limiter set to maximum position may run in into the rider if he stops, or may trip and fall down trying to keep up with the vehicle.

Instruction for engine stop switch lanyard storage. The lanyard may be stowed on the ATV when, in judgment of the parents, the rider has developed sufficient skills to be able to safely operate the vehicle without parental use of the lanyard.

⚠WARNING!

To prevent unauthorized starting or unsupervised operation of the ATV, remove the stop switch cap and lanyard after each use and store then in a safe place, out of reach of children

BREAK-IN (RUNNING-IN)

The first 1 month is the most important in the life of your vehicle. Proper operation during this break-in period will help ensure maximum life and performance from your new vehicle. The following guidelines explain proper break in procedures.

MAXIMUM THROTTLE OPENING RECOMMENDATION

During the first 10 hours of vehicle operation, the maximum throttle opening you should use is 1/2 throttle.

VARY THE ENGINE SPEED

The engine speed should varied during the break-in period. This allows the parts to be “loaded”(aiding the mating process) and then “unloaded” (allowing parts to cool). Although it is essential that some stress be placed on the engine components during break-in, you must be careful not to excessively load the engine.

AVOID CONSTANT LOW SPEED

Operating the engine at constant low speed (light load) can cause parts to glaze and not seat properly. Allow the engine to accelerate freely through the gears, without exceeding the maximum recommended throttle opening.

OBSERVE YOUR INITIAL AND MOST CRITICAL SERVICE

The initial service (break-in maintenance) is the most important service your vehicle will receive. During break in operation, all of the engine components will have mated together and seated. Maintenance required as part of the initial service includes correction of all adjustments, tightening of all fasteners and replacement of dirty oil.

Timely performance of this service will ensure optimum service life and performance from your ATV.

INSPECTION BEFORE RIDING

⚠WARNING!

Failure to perform an inspection before riding may result in an accident or serious damage to the vehicle. Check these items before each ride . Be sure your ATV is in good condition for the personal safety of the rider and protection of the vehicle.

⚠WARNING!

All of the items below should be checked with the engine off, except the functional check of the engine stop switch. Make sure your child doesn't get too close when you check the fuel level and drive chain, or he / she might be injured.

WHAT TO CHECK	CHECK FOR
Steering	No rattle or looseness
Brakes	Proper lever play No "sponginess" Parking brake effectiveness
Tires	Proper pressure Enough tread depth No cracks , rips or other damage
Fuel	Enough fuel for the intended run Fuel hose connected securely No damage to fuel tank or cap Tank cap closed securely
Engine Stop Switch	Proper operation
Engine Oil	Proper level
Throttle	Proper cable play Smooth response Quick return to idle position

Drive chain	Adequate lubrication
General condition	Bolts and nuts are tight No rattle from any part of the machine with the engine running No visible evidence of damage
Remote engine stop switch (if used)	Proper operation No damage to rubber cap Secure attachment of lanyard to cap

RIDING TIPS

Finish reading this “Riding Tips “ section and then the “Instructing and Young Rider “ section before starting the ATV or beginning riding instruction. This “riding Tips “ section contains important operating information you will need to know before you go to the “Instructing the Young Rider “ section will guide you in teaching young riders how to operate and ride the ATV using information you learn in this owner’s manual.

STARING THE ENGINE

Before attempting to start the engine, make sure:

1. The parking brake is engaged.

2. The engine stop switch is in the “ RUN “ position.

3. Verify that the remote engine stop switch cap is in place.

When the engine is cold:

1. Push down the choke lever far as it will go.

⚠WARNING!

2. Make sure that the choke lever can return smoothly to the off position before starting the engine.

3. With the throttle closed, start the engine by pulling up on the recoil starter forcefully.

4. Return the choke lever all the way back to its disengaged position.

When the engine is warm:

Operation of the choke system should not be necessary. Open the throttle slightly and start the engine by pulling up on the recoil starter rope forcefully.

⚠WARNING!

Release the throttle immediately after the engine has started.

⚠WARNING!

1. Do not run the engine indoors or where there is little or no ventilation. Exhaust gases contain carbon monoxide, a potentially lethal gas that is colorless and odorless.

2. Never leave the vehicle running while unattended, even though for a short time.

STARTING OFF

After the engine has warmed up, disengage the parking brake. To release the parking brake. Simply squeeze the brake lever until the lock knob disengages.

⚠WARNING!

Before releasing the parking brake, make sure:
1. The choke lever has been returned to the fully OFF position.
2. The choke lever is fully closed.
3. The rider is completely ready to ride.
If you do not check these precautions, the vehicle can move forward unexpectedly when the parking brake is released. This may result in an accident and injury.

⚠WARNING!

While operating the ATV, the rider should keep both feet on the footrest all all times, or injuries resulting from accidents such as the rear wheels running over the rider's feet could occur. There is no need for the rider to move his/her feet from the footrests during operation or maneuvering of the vehicle. Moving the rider's feet from the footrests reduces the rider's ability to control the vehicle, and could lead to an accident.

⚠WARNING!

Keep both hands on the handgrips at all times when riding removing your hands from the handgrips reduces your ability to control the vehicle, and could result in an accident.

⚠WARNING!

Always open the throttle gradually to prevent front wheel lifting failure to observe this.

BRAKING

To stop the ATV release the throttle lever and apply the brake.

⚠WARNING!

1. Avoid braking during turns. Use of the brake when turning could cause the ATV to slide or roll over. Use the brake to slow down before entering the turn.
2. Apply the brake lightly and with great care on slippery surfaces to avoid skidding.

⚠WARNING!

Never apply the parking brake lock when the ATV is moving. Rear wheels will lock, and an accident could result with injury.

TURNING

To turn the ATV, the rider must learn a special technique, because its vehicle 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 move straight ahead, because the rear wheels will travel the same distance. For the vehicle to turn, the outside rear wheel must travel a greater distance than the inside rear wheel. To make this happen, the rider must learn how to create less traction for the inside wheel , so that it can travel a shorter distance then the outside wheel , even though both wheels at the same speed.

To turn the ATV the rider should use the following technique:

1. Turn the handlebars in the direction of the turn.
2. Shift body weight slightly forward and support your weight on the outer footrest. This will reduce the load on the inside rear wheel, reducing its traction.
3. Lean upper body into the turn.

TURNING AT HIGHER SPEEDS

Use the same technique that you use for turning at low speeds, but lean farther into the turn. Since natural turning forces tend to push the vehicle to the outside of the turn) increase as speed increases, you must lean your upper body farther into the turn as you go faster, to the outside of the turn. Remember though to keep your weight supported on the outer footrest.

⚠WARNING!

If the rider does not use the proper technique to turn the ATV, it may plow straight ahead even though the front wheels are turned.

The rider should practice the above technique at low speeds in a wide open area until he/she has mastered it.

SKIDDING OR SLIDING

If the rider experiences inadvertent skidding or sliding when not braking, he/she may be able to overcome it by using the appropriate technique listed below.

Front Wheel:
If front wheel skidding occurs, try to gain front wheel traction by reducing the throttle opening and leaning your body weight slightly forward.

Rear wheel:
If rear wheel skidding occurs, steer in the direction of the skid (if space permits), shift body away from the skid slightly, and avoid using the throttle or brakes until you regain directional control of the vehicle.

⚠WARNING!

Skidding or sliding can result in an accident caused by loss off rider control. To avoid inadvertent skidding or sliding, the rider should slow down and be very cautious when riding on slippery or loose surfaces.

OPERATION ON HILLS

Riders who have become experienced at operating the ATV on level surfaces may wish to try riding on a wider variety of terrains. The ATV may be operated on a small hill with even surfaces but extreme care should be taken.

⚠WARNING!

When the ATV is operated on hills, it can roll over more easily then when it is operated on level ground, under certain conditions, only children who are capable of safe operation of the ATV on level ground should be permitted to operate the vehicle on hills. Climbing a hill

To climb a small hill with the ATV the rider should:

1. Speed up and maintain a steady speed before reaching the bottom of the hill.
2. Shift body weight forward by sliding forward in the seat, lean slightly forward.
3. Maintain a steady speed while climbing the hill.
4. Slow down when reaching the top of the hill.

⚠WARNING!

Only permit your child to climb small hills. Do not let him/she attempt to climb a hill unless you are sure that he/she can easily ride to the top of the hill without stopping. It can be dangerous to stop the ATV while climbing a hill, because the vehicle may begin to roll backwards and then roll over backwards.
The rider should never open the throttle suddenly when climbing a hill, the vehicle could flip over backwards.
The rider should never go over the top of the hill at high speed. Once over the top of the hill, he/she could lose control and crash or could collide with an unseen object.

If your child is climbing a hill and loses forward momentum, he/she should:
1. Lean farther forward, uphill.
2. Apply the rear brake and stop the vehicle before it starts to roll backwards.
3. Set the parking brake and dismount to the right while still leaning uphill.
4, Use one of the following procedures to turn the vehicle around :
1) Ask the adult who is supervising to help drag the rear end of the ATV around until the vehicle is angled downhill. Stay on the uphill side of the vehicle while dragging it around.
2) Turn the handlebars fully to the right ,while standing on the uphill side of the vehicle, release the parking brake and pump the handbrake to let the ATV roll slowly backwards. This will turn the vehicle sideways to the hill. Reset the parking brake. Turn the handlebars to the left. Staying on the uphill side, release the parking brake and pump the handbrake to let the ATV roll until it is angled downhill. Reset the parking brake.

Descending a hill
To ride down a small hill with the ATV, the rider should:
1. Point the ATV straight downhill.
2. Transfer body weight to the rear by sliding back on the seat.
3. Ride down the hill with the throttle closed.
Apply the brake to control downhill speed.

TRAVERSING A SLOPE

Traversing a slope is very tricky and should be avoided when possible. Improper riding techniques while traversing a slope could cause the ATV to tip over. Do not permit your child to traverse a slope unless you are sure he/she can perform this maneuver safely.

To traverse a slope, the rider should:
1. Lean his/her body uphill.
2. Steer slightly uphill, if necessary, to maintain a straight course.

RIDING THROUGH WATER

The ATV may be ridden through water, provided it is no more than 15cm(6inches) deep and is not moving fast. When crossing a stream, choose a spot where the banks are gently sloped on both sides and bottom of the stream is hard. If you are unfamiliar with the area you wish to cross, park the ATV and inspect the stream first to find a suitable spot for crossing. When crossing, operate the vehicle at a slow, steady speed.

⚠WARNING!

1. Do not attempt to cross a stream with deep or last flowing water. The tires may lose their traction, and you may be unable to control the vehicle. This could result in personal injury.
2. After riding through water, test the brakes to see if they have maintained their more effectiveness. If they are less effective then normal, dry then by repeatedly applying the front and rear while riding slowly until the brakes have regained their normal effectiveness.

⚠CAUTION!

After extended operation of the ATV in water, bring it to your authorized dealer to have the brakes inspected and cleaned, if necessary. Failure to take this precaution can result in excessive brake wear.

Operation - ATV 250

Read the owner's Manual carefully before riding the ATV. If there is a control or function you do not understand, ask your dealer.

WARNING!
Read the Owner's Manual carefully to become familiar with all controls in order to help prevent any loss of control, which could cause an accident or injury.

STARTING A COLD ENGINE

NOTE
See the "Engine break-in" section prior to operating the engine for the first time.

1. Turn the fuel tap to"ON".

2. Turn the key to "ON" and the engine stop.

3.Shift the transmission into neutral. The neutral Indicator light should come on. If the indicator lights does not come on, have a dealer check the electrical circuit.

NOTE:
This model is equipped with an ignition circuit cutoff system. The engine can be started under the following conditions.

4. Completely close the throttle lever and start the engine by pushing the start switch.

NOTE:
If the engine fails to start, release the start switch, then push it again. Pause a few seconds before the next attempt. Each cranking should be as short as possible to preserve battery energy. Do not crank the engine more than 10 seconds on each attempt.

NOTE:
For maximum engine life, never accelerate hard when the engine is cold!

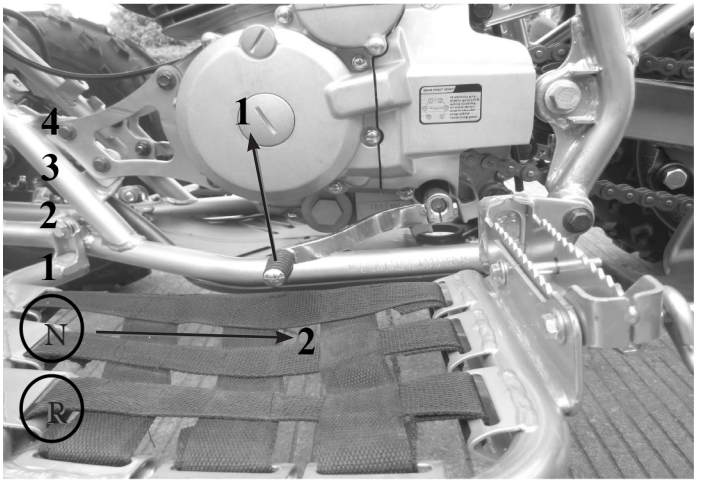
STARTING A WARM ENGINE

Follow the same procedures as for starting a cold engine. Instead,start the engine with the throttle slightly open.

SHIFTING

This ATV has a 4-speed forward transmission. The transmission allows you to control the amount of power you have available at a given speed or for starting, accelerating, climbing hills, etc.

To shift into neutral, release the throttle lever, apply the clutch, and then repeatedly depress the shift pedal until it Stops. When it stops, it will be in first gear. Raise the pedal slightly to reach the neutral position, and then release the clutch.



1. Shift Pedal
2. Neutral Position

Operation - ATV 250

TO START OUT AND ACCELERATE

1. Release the throttle lever, apply the front or rear brake.

NOTE:
Always close the throttle before shifting gears, otherwise damage to the engine and drive train may result.

2. Pull the clutch lever to disengage the clutch.

3. Shift into first gear, and then release the brake.

4. Open the throttle gradually and at the same time, release the clutch lever slowly.

WARNING!
Opening the throttle abruptly or releasing the clutch lever too quickly could make the ATV wheelie, which would increase the change of an accident, including an overturn.

5. Once the ATV has attained adequate speed, release the throttle, and at the same time,quickly pull in the clutch lever.

6. Shift the transmission into second gear. (Make sure not to shift the transmission into Neutral.)

7. Open the throttle parts way and gradually release the clutch lever.

8. Follow the same procedure when shifting to the next higher gear.

TO DECELERATE

When slowing down or stopping, release the throttle and apply the brakes smoothly and evenly. As you slow down, shift to a lower gear. Be sure that the engine has sufficiently slowed before engaging a lower gear. Improper use of the brakes or shifting can cause the tires to lose traction, reducing control and increasing the possibility of an accident.

WARNING!

Make sure the engine has sufficiently showed before shifting to a lower gear. Engaging a lower gear when the engine speed is too high could make the wheel stop rotating and lose traction. This could cause loss of control, an accident and injury. It could also cause engine or drive train damage.

NOTE:

- Even with the transmission in the neutral position, do not coast for long periods of time with the engine off, and do not tow the ATV for long distance. The transmission is properly lubricated only when the engine is running. Inadequate lubrication may damage the transmission.

- Always use the clutch when changing gears. The engine, transmission and drive train are not designed to withstand the shock of forced shifting and can be damaged by shifting without using the clutch.

ENGINE BREAK-IN

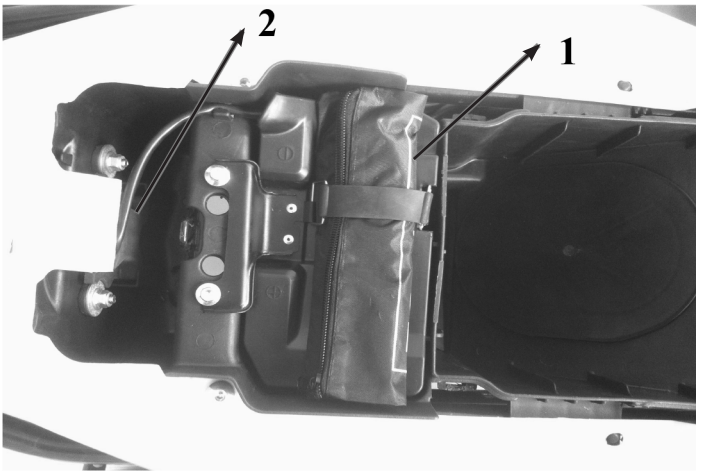
TIP

- For ATVs equipped with an odometer or an hour meter, follow the figures given in km (mi) or the figures given in hours.

- For ATVs not equipped with an odometer or hour meter, follow the figures given in hours. There is never a more important period in the life of your engine than the first 320 km (200 mi) or 20 hours of riding. For this reason, you should read the following material carefully. Since the engine is brand new, do not put an excessive load on it for the first 320 km (200 mi) or 20 hours. The various parts in the engine wear and polish themselves to the correct operating clearances. During this period, prolonged full-throttle operation or any condition that might result in engine overheating must be avoided.

OWNER'S MANUAL AND TOOL KIT

Be sure to put this owner's manual in the manual box and the owner's tool kit under the seat.



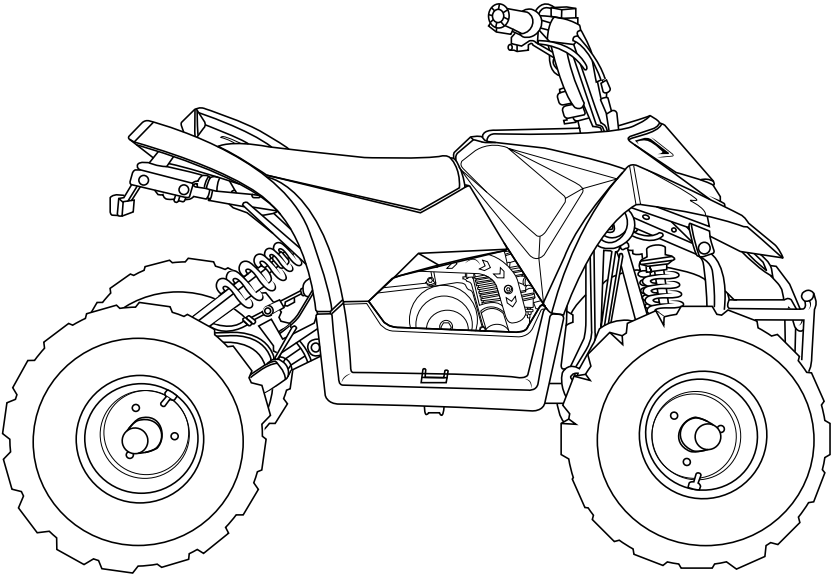
1. Owner's tool kit
2. Owner's manual box

The service information included in this manual and the tool provided in the owner's tool kit are intended to assist you in the performance of preventive maintenance and minor repairs. However, additional tools such as a torque wrench may be necessary to perform certain maintenance work correctly.

NOTE:

Make sure the engine has sufficiently showed before shifting to a lower gear. Engaging a lower gear when the engine speed is too high could make the wheel stop rotating and lose traction. This could cause loss of control, an accident and injury. It could also cause engine or drive train damage.

ATV 70cc



MAIN SWITCH

Functions of the respective switch position are as follows:

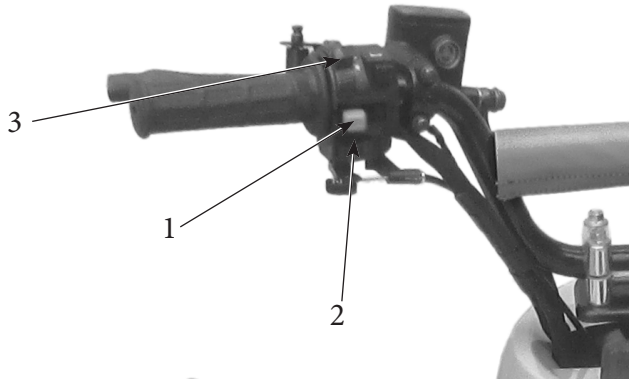
ON: Engine can be started only at this position.

OFF: All electrical circuits are switched off. The key can be removed in this position.

THROTTLE

Once the engine is running, movement of the throttle lever will increase the engine speed. Regulate the speed of the engine by varying the throttle position. Because the throttle is spring-loaded, the engine will decelerate, and the engine will return to an idle any time your finger is removed from the throttle to be sure it is operating smoothly. Make sure it returns to the idle position as soon as the lever is released.

HANDLEBAR SWITCHES



1. Engine Stop Switch (Red)
2. Start Switch
3. Lights Switch

ENGINE STOP SWITCH

The engine stop switch controls the ignition and can be used at all times to stop the engine, especially in an emergency. The engine will not start or run when the engine stop switch is turned to "⊗".

START SWITCH

The starter motor cranks the engine when this switch is pushed.

⚠CAUTION!

See starting instructions prior to starting engine

Lights switch
Turn the switch on for front light and taillight
(option accessory)

⚠CAUTION!

Do not use the headlight with the engine turned off for more than 20 minutes. The battery may discharge to the point that the starter motor will not operate properly. If this should happen, remove the battery and recharge it, replace if necessary.

REAR BRAKE LEVER

The brake lever is located on the left side of the handle bar. Pull down on the lever to apply rear brake.

PARKING BRAKE

Apply the brake lever and then press down the stop-button to apply the parking brake. Squeeze the rear brake lever to release the parking brake.

SPEED LIMITER

The speed limiter keeps the throttle from fully opening, even when the throttle lever is pushed to the furthest position. Screwing in the adjuster limits the maximum engine power available and decreases the maximum speed of the ATV. For children's safety, the ATV has been adjusted to a speed under 15km/h (9.3 mph).

⚠WARNING!

Do not turn the speed adjuster out more than 12mm (0.47in.)
Always make sure the throttle lever free play is 3~5mm (0.12~0.20in.)

SEAT

To remove the seat, pull the seat lock lever upward and pull up the seat at the rear.

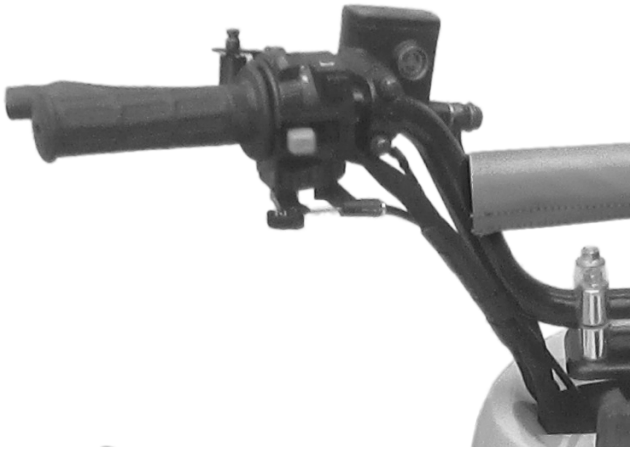
To install the seat, insert the lobe on the seat front into the receptacle on the frame and push down the seat at the rear.

FUEL TANK CAP

Remove the fuel tank cap by turning it counterclockwise. Automotive gasoline with octane number of 91 or higher may be used. After refueling, be sure to tighten the tank cap firmly.

FRONT BRAKE LEVER

The brake lever is located on the right side of the handlebar. Pull down the lever to apply the front brake.



FRONT SHOCK ABSORBER ADJUSTMENT

The spring preload can be adjusted to suit the vehicle's load and riding conditions.

Spring preload adjustment:
- To increase the spring preload, turn the adjuster in direction a.
- To decrease the spring preload, turn the adjuster in direction b.

REAR SHOCK ABSORBER ADJUSTMENT

The spring preload can be adjusted to suit the vehicle's load and riding conditions.

Spring preload adjustment:
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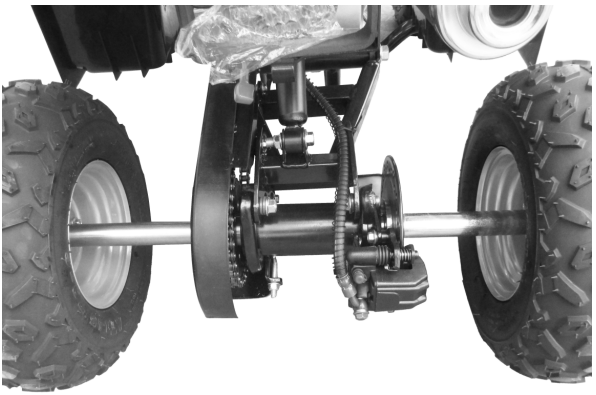


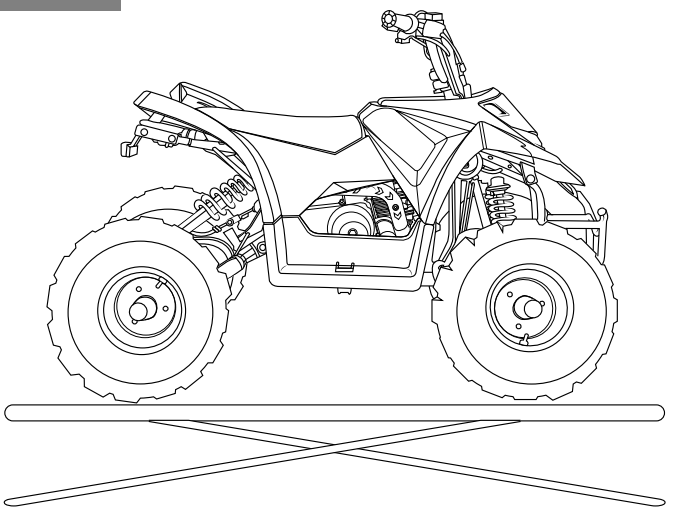
PERIODIC SERVICE / LUBRICATION

ITEM	ROUTINE	INITIAL			EVERY	
		1mo.	2mo.	3mo.	6mo.	1yr.
Valve	Check valve clearance Adjust if necessary	O		O	O	O
Spark Plug	Check condition Adjust gap and clean Replace if necessary	O	O	O	O	O
Air Filter	Clean Replace if necessary	Every 20 - 40 hours (more often if wet or dusty areas)				
Carburetor	Check idle speed/ starter operation Adjust if necessary		O	O	O	O
Cylinder Head Cover Breather System	Check breather hose for cracks or damage Replace if necessary			O	O	O
Exhaust System	Check leakage Re tighten if necessary Replace gasket if necessary			O	O	O
Fuel Line	Check fuel hose for cracks or damage Replace if necessary			O	O	O
Engine Oil	Check oil level weekly Replace (Warm up engine before draining)	O		O	O	O
Engine Oil Starter	Clean	O		O		O

ATV 70 - Periodic Service

ITEM	ROUTINE	INITIAL			EVERY	
		1mo.	2mo.	3mo.	6mo.	1yr.
Brake	Check operation every time before driving Correct if necessary	O	O	O	O	O
Tires	Check pressure and wear Replaced if damaged	O	O	O	O	O
Wheel Bearings	Check bearing assembly for looseness or damage Replace if damage	O		O	O	O
Steering System	Check operation, replace if damaged Check toe-in, adjust if necessary	O	O	O	O	O
Battery	Check specific gravity Check that the breather hose is positioned properly					

⚠WARNING! Never service the engine while still running!



ENGINE

Left hand side

Right hand side

SPECIFICATIONS

70cc, 4 Stroke, Single Cylinder, Air Cooled
12v, C.D.I., Electric Start
Max Power: 3.7Kw/8500rpm approx.
Max Torque: 4.5Nm/6000rpm approx.
Transmission: Auto Clutch

ENGINE OIL

1. Engine oil level measurement

a. Place the vehicle on a level surface.
b. Warm up the engine for several minutes and stop it.
c. Wait a few minutes until the oil level settles before checking.
d. Remove the dipstick and wipe it off with a clean rag. Insert the dipstick in the filler hole without screwing it in.
e. Remove the dipstick and inspect the oil level.
f. The oil level should be between the maximum and minimum marks. If the level is low, add oil to raise it to the proper level.

⚠CAUTION! Be sure no foreign materials enter the crankcase.

2. Engine oil replacement and oil strainer cleaning

a. Place the vehicle on a level surface.
b. Warm up the engine for several minutes to stop it.
c. Place a container under the engine.
d. Remove the dipstick and drain plug to drain the oil.

IDLE SPEED ADJUSTMENT

NOTE:

A diagnostic tachometer must be used for this procedure.

1. Start the engine and warm it up for a few minutes at approximately 1000 to 2000 r/min. Occasionally rev the engine to 4000 to 5000 r/min. The engine is warm when it quickly responds to the throttle.

2. Connect the tachometer and set the idle to the specified idling speed by adjusting the throttle stop screw. Turn the screw into increase engine speed and out to decrease engine speed.

SPECIFIED IDLE SPEED: 1700RPM ± 100

Idle Speed
Adjusting Screw

THROTTLE LEVER ADJUSTMENT

NOTE:

Adjust the engine idling speed before adjusting the throttle lever free play.

1. Loosen the lock nut.

2. Turn the adjusting bolt until the throttle lever free play is 3 ~ 5 mm (0.12 ~ 0.20 in.).

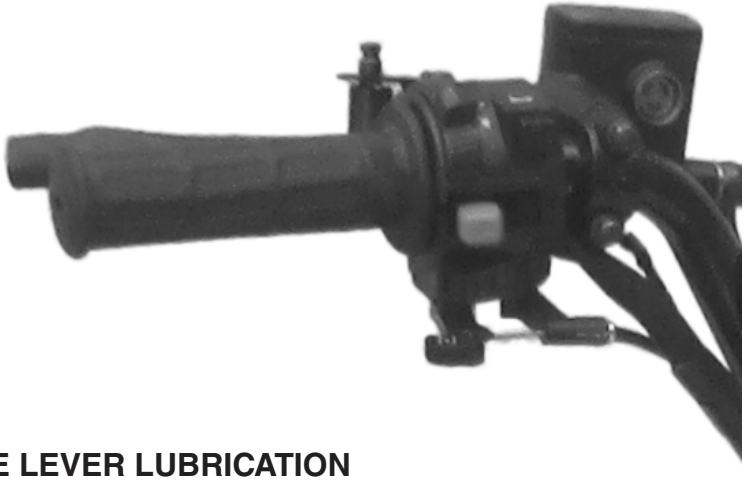
3. Tighten the locknut.

The rear brake free play should be 20 ~ 25 mm (0.80 ~ 1.0 in.). If the free play is incorrect, adjust it as follows:

1. Raise the rear side of vehicle to make rear tires leave from the ground.

2. Turn the rear wheels and turn the bolt and nuts on these 2 positions to adjust the caliper only with a suitable brake condition.

3. Tighten the nuts and test the adjustment result, if it's still not adequate, do the same process again.



BRAKE LEVER LUBRICATION

Lubricate the pivot of each lever and pedal.
Please use SAE 10W30 motor oil.

FUSE REPLACEMENT

If the fuse is blown, turn off the main switch and install a new fuse of the specified amperage. Then turn on the switches. If the fuse immediately blows again, consult your dealer.

Specified Fuse: A/250V

1. **MAIN FUSE**

⚠WARNING! Never use an improper fuse.
An improper fuse can cause damage to the electrical system which could lead to fire.

⚠CAUTION! To prevent accidental short-circuiting, turn off the main switch when checking or replacing a fuse.

BATTERY ASK FOR NO REPLACEMENT

1. Old style battery will corrode and discharge if not maintained. The battery fluid should be checked at least once a month

2. FA-A70 adopts new style battery asks for no replenishment. Just enjoy easy use and sound performance.

REPLACING THE HEADLIGHT BULB

If the headlight bulb is burnt, remove the headlight unit assembly, take out the defective bulb and replace a new one.

Air Filter cleaning

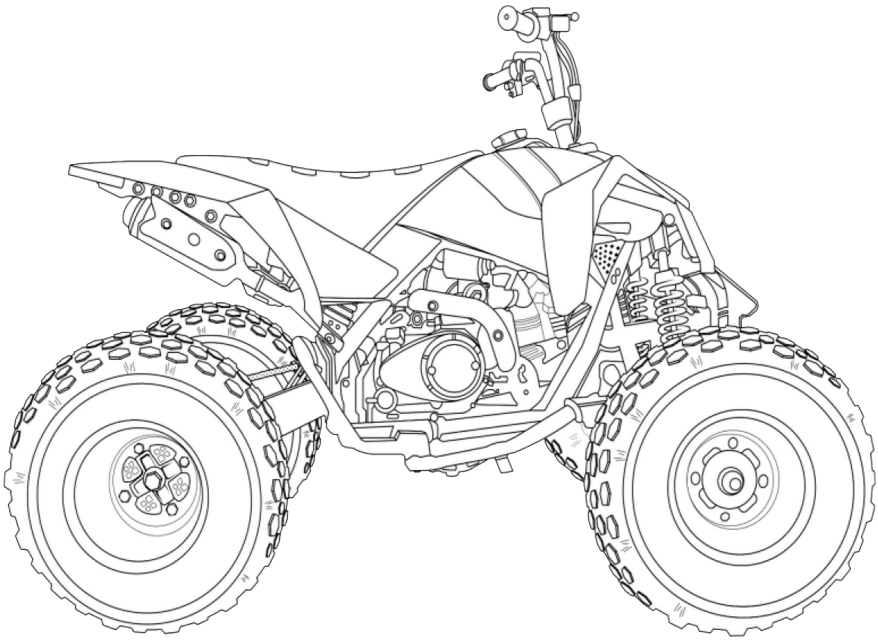
1. Remove the set.

2. Remove the air filter case cover.

3. Remove the air filter element, and separate it from the guide.

4. Blow the dust on element off with air or replace it.

ATV 125cc



LEFT HANDLEBAR

Engine Stop Switch

"OFF" position

The ignition is off, The engine cannot start or run

"HUN" position

The ignition circuit is on the engine can run.

Rear Brake Lever

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

Parking Brake Knob

This knob is used to set the parking brake which is used to prevent the ATV from moving when it is parked, being started or at idle. Set the parking brake by squeezing the rear brake lever and pushing the knob to lock the lever in the squeezed position.

Engine Start Switch

Depress the button with the vehicle while in braking mode to start the engine.

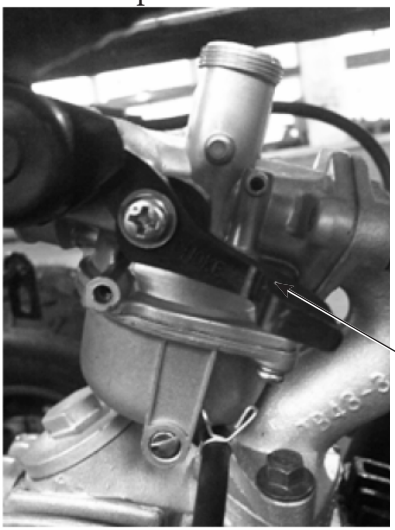
THROTTLE LEVER

with Parking Brake

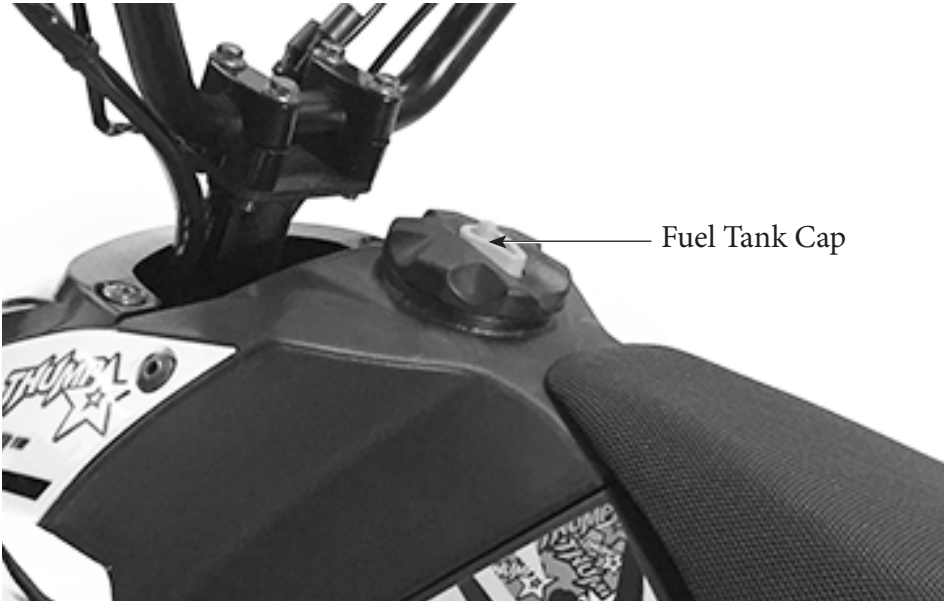
Engine speed is controlled by the position of the throttle lever. Push it forward to increase engine speed. Release it to decrease engine speed. This lever is operated by the rider's thumb.

CHOKE LEVER

When this lever is in the down position, a rich mixture is supplied by the carburetor for starting the engine when it is cold. When the lever is in the up position, the mixture supplied by the carburetor is optimum for starting a warm engine, and for normal operation.



FUEL TANK CAP



To open the fuel tank cap, remove the end of the vent tube from the hole in the vehicle body and turn the fuel tank cap counterclockwise. To close the fuel tank cap, turn it clockwise and tighten it securely. Be sure that the end of the vent tube is reinstalled in the hole in the vehicle body and routed properly as shown.

⚠ WARNING!

Do not overfill the fuel tank. Stop adding fuel when the fuel lever reaches the bottom of the filler neck as shown in the illustration. If you fill the tank beyond this level, fuel may overflow when it expands due to engine heat or by the sun.

STOPPING THE ENGINE

Release the throttle lever. Turn the engine stop switch to the 'OFF ' position.

PARKING THE VEHICLE

Set the parking brake securely as explained in the "STARTING THE ENGINE" section.

⚠ WARNING!

It takes some time for the engine and muffler to cool off after a long ride. Do not touch these parts until they have had time to cool off, or you may burn yourself.

INSTRUCTING THE YOUNG RIDER
IMPORTANT ADVICE TO THE PARENT:

Your child's safety depends on your commitment to take the time necessary to fully educate him/her on the proper operation of the ATV. Remember that proper instruction before your child begins to ride is just as important as proper instruction and supervision during riding. Please go through this manual with your child, page by page and fully explain all of the instructions, requirements and warnings it contains. Be sure to put as much emphasis on safety precautions as on proper operational techniques. Question your child as you go through the manual to make sure he/she understands what you are saying.

Following is a step by step guide to help your child's first use of the ATV a safe and enjoyable experience. Before you begin to use this guide however, be sure you have reviewed the vehicle features and riding techniques described in earlier parts of this owner's manual. Our company strongly urges that you use this guide to teach each child that you let ride the ATV.

Be sure to take breaks as the child being instructed gets tired or his/her attention begins to wander. Full attention at all times is needed to safely operate any motorized vehicle, including the ATV.

PROPER CLOTHING AND PROTECTIVE GEAR

The first step to safe riding is proper protection of the ride, your child should always wear a helmet, eye protection, gloves, long pants, a long sleeved shirt or jacket and boots. Make sure that your child is not wearing any loose fitting clothes, loose belts, scarves, etc. Can get caught in moving parts and cause personal injury. Even in hot weather, make sure the child
wears long pants and a long sleeved shirt. These not only protect against abrasive injuries, but also help to reduce fatigue which comes from loss of body heat due to the wind.

⚠WARNING!

Failure to wear proper clothing and protective gear as described above may result in severe personal injury.

FAMILIARIZATION WITH THE VEHICLE

Your child should become completely familiar with the names and functions of all controls. Let the young rider sit on the ATV with the engine off, and ask him/her to operate specific controls. Demonstrate operation of the controls if necessary, Ask the child to do such things as apply the brakes, turn off the engine, lock the parking brake, etc. Practice this exercise until the child can operate all of the controls without hesitation and without looking at the controls.

Go over the INSPECTION BEFORE RIDING with your child until he/she knows all of the items that should be checked and how they should be checked . Give specific examples of things to look for.

STARTING OFF AND STOPPING

⚠WARNING!

For practice, choose a large, level area away from other riders and tree of obstructions. Inspect the area before riders and remove any rocks, sticks or other potential hazards. Stay away from ditches and bumps.

To help your child develop confidence, he/she should PRACTICE FIRST WITH THE ENGINE OFF, as follows:
1. Have your child sit on the ATV and tell him/her to release the parking brake
2. Instruct your child to keep his/her eyes straight ahead and slowly push the vehicle from behind, if you are physically able to do so, This will allow your child to get the feel of riding a moving vehicle.
3. As your push the ATV instruct your child to steer straight ahead and perform operations such as stopping the vehicle and turning off the engine stop switch while moving, watch your child closely to make sure he/she is operating the controls correctly and without looking at the controls.
4. As you approach the end of the practice area, tell the rider to stop the vehicle, apply the parking brake, and get off. You should then drag the rear end of the ATV around so you can push it straight ahead in the opposite direction.

⚠WARNING!

Before permitting your child to operate the ATV under power, be sure to adjust the throttle limiter to provide a low maximum speed capability. Turning the limiter clockwise reduces the ATVs maximum speed capability. Next start the ATVs engine and have your child practice starting off riding in a straight line, and stopping, with the vehicle under power. Walk along side the ATV if you can, or have the youngster ride back and forth between you and another supervisor, Watch closely to make sure the rider:
1. Opens the throttle gently when starting off.
2. Releases the throttle and applies the brake in sequence when stopping
3. Becomes aware of the distance it takes the vehicle to stop when the engine stop switch is turned off while the vehicle is moving.

As you approach the end of the practice area, you should again tell the rider to stop the vehicle, apply the parking brake, and get off so you can turn it around for him/her. Practice this exercise until your child can start off, accelerate, cruise, and stop correctly and with confidence.

TURNING

After your child has learned to ride the ATV in a straight line and can stop it when he/she want to, you should teach the child how to turn the vehicle. Explain he proper body movements for turning, and let your child PRACTlCE FIRST WITH THE ENGINE OFF, as you push the vehicle from behind. When turning, watch to make sure your child:

1. Shift his/her weight slightly forward and supports his/her weight on the outer footrest.

2. Leans his/her upper body into the turn and turns the handlebar in the direction of the turn.

When the rider is able to properly turn the ATV in both directions with the engine off, he/she should practice with the vehicle under power. Again, make sure that the throttle limiter is adjusted to provide a low maximum speed capability. Watch closely to make sure the rider is using the proper turning technique. The rider should practice turning until he/she can do it correctly and with confidence.

PUTTING IT ALL TOGETHER

When your child has mastered the basic riding maneuvers in the previous steps, he/she should practice putting them all together, instruct the rider to perform various maneuvers such as turning right, turning left, stopping parking, etc. Mix up the order of these maneuvers so the child will not know what he/she will be asked to do next. Practice this exercise until you are confident that the rider has mastered all the basic maneuvers. The above steps will help the first time rider learn the most basic riding techniques. To become a skilled rider, your child will need a great deal of practice and instruction after these steps have been completed. Be patient with your child; take extra time when teaching him/her additional techniques such as the recommended techniques for climbing and descending hills. After your child has mastered the basic riding or all techniques at slow speeds, you can adjust the throttle limiter to provide higher speed capabilities according to the rider's skill and experience.

MAINTENANCE SCHEDULE

It is very important to inspect and maintain your ATV regularly. Follow the chart below. Chain indicates the intervals between periodic services in months. At the end of each interval, be sure to inspect, adjust, lubricate, replace, and service as indicated.

⚠WARNING!

Company recommends that maintenance on those items, in the chart below which are marked with an asterisk (*) be performed by your authorized dealer or a qualified service mechanic. If you are qualified, you may perform maintenance on the unmarked items by referring to the instructions in this section. If you are not sure whether you can successfully complete any of the unmarked maintenance jobs, ask your authorized dealer to do the maintenance for you.

⚠WARNING!

Do not attempt to perform maintenance on this vehicle if you are not qualified. You could be injured or may damage the machine.

⚠WARNING!

The safety of the rider depends on how well this machine is maintained. Follow all inspection and maintenance instructions carefully.

⚠WARNING!

Don't let your children tinker with this machine. They may get hurt. Maintenance should only be performed by qualified adults, make sure that the engine stop switch is in the 'OFF' position unless the engine must be running to perform the required maintenance.

⚠CAUTION!

The maintenance intervals shown in the chart below are based on average riding conditions. If the ATV is ridden in a dusty area , the air cleaner and drive chain should be serviced more frequently it the vehicle is operated under extreme conditions. If you have any questions regarding appropriate maintenance intervals, consult your authorized dealer.

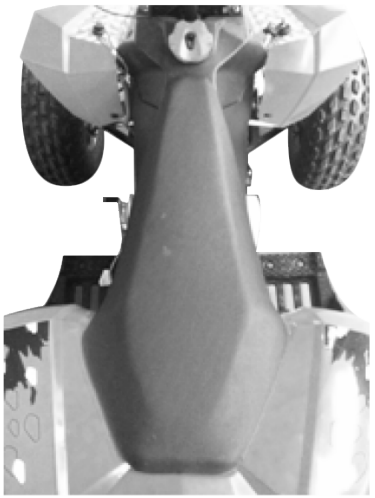
PERIODIC MAINTENANCE CHART

NOTE: inspect and clean, adjust, lubricate, or replace, if necessary.

Item Interval	After 1 Month	Every 3 Month	Every 6 Month
Air Cleaner Elements	Clean at least every month		
Spark Plug		C	R
Cylinder Head and Exhaust Parts	Tighten cylinder head nuts	Every 3 Month	Remove Carbon
Carburetor	Adjust throttle valve stop screw and pilot screw	Every 3 Month	Adjust throttle valve stop screw and pilot screw
Fuel Line	Replace every 4 years		
Engine Oil	R		R
Drive Chain	Inspect every month		
Sprockets			
Tires	Inspect every month		
Brakes			
Steering			
Chassis Nuts and Bolts	T	T	
General Lubrication		L	

SEAT REMOVAL

Remove the seat by pulling the seat lock lever upward and pull up the seat at the rear. Insert the projection on the front of the seat into the holder and push down on the seat at rear to install the seat.



⚠ CAUTION!

Always make sure the seat is securely fitted.

AIR CLEANER

If the air cleaner element is clogged with dust, there will be greater intake resistance, resulting in decreased power output and increased fuel consumption.

⚠ CAUTION!

1. Do not operate the engine without the air cleaner element in place or severe damage may result.
2. If you usually ride in dusty areas or regularly operate the vehicle wet, muddy conditions, you must inspect the air cleaner element more frequently than shown in the periodic maintenance chart. If at any time, the air cleaner element is submerged in water, immediately clean the element and the inside of the air cleaner case.

SPARK PLUG

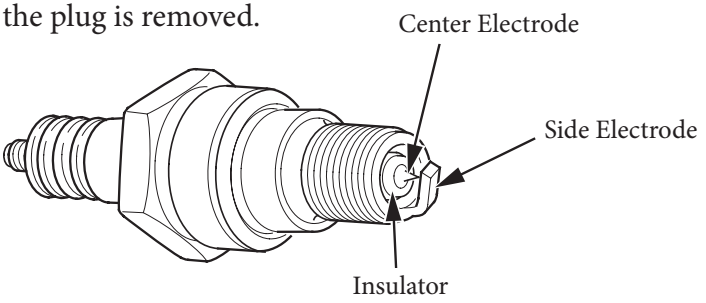
Your ATV comes equipped with an AT7C OR A7RTC spark plug. You can determine if the standard spark plug is suitable for your type of vehicle usage by observing the color of the plug's porcelain center electrode insulator after vehicle operation. It the plug has the correct heat range, it should be very light brown in color. If the plug tends to run to cold, (usually evidenced by blackening or the insulator or a wet electrode) replace it with an alternate plug according to the following chart.

⚠CAUTION!

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 .use one of the spark plugs listed below or equivalents. Consult your dealer if you are not sure which spark plug is correct for your type of vehicle usage.

⚠WARNING!

To install a spark plug, turn it in as for as possible with your fingers, and then tighten it with a wrench. Do not over tighten or cross thread the spark plug, or the aluminum thread of the cylinder will be damaged. Do not allow contaminants to enter the engine through the spark plug hole when the plug is removed.



To maintain a hot, strong spark, keep the plug free of carbon. Remove carbon from the plug with a wire or pin, and adjust the gap to 0.6-0.7mm for good ignition. Use a thickness gauge to check the gap.

IDLE SPEED ADJUSTMENT

To adjust the idle speed properly, you need a tachometer, if you do not have one, ask your dealer to perform this adjustment.

To adjust the idle speed:

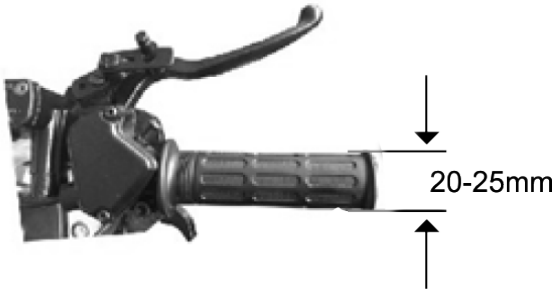
1. Start the engine and warm it up.

2. After engine warms up, turn the throttle stop screw in or out so that the engine idles at the correct level

⚠ CAUTION!

Make sure that the engine is fully warmed up before adjusting the engine idle speed. Improper adjustment can result in increased engine wear, lowest steady speed.

THROTTLE CABLE ADJUSTMENT



Measure the throttle cable play by pressing the throttle lever. The throttle lever should have 20-25mm play.

To adjust the throttle cable play:

1. Loosen the lock nut.
2. Turn the adjuster in or out to obtain the correct play.
3. Tighten the lock nut.
4. Recheck the throttle cable play. Readjust it if it is not within the correct limits.

FUEL HOSE

Replace the fuel hose every 4 years, even if it appears to be in good condition. Damage from aging may not be visible.

ENGINE OIL

The transmission oil should always be changed when the engine is hot so that the oil's viscosity will be low and the oil will drain completely from the engine.

To change the oil:

1. Place the vehicle on lever ground.
2. Remove the oil filler cap.
3. Remove the oil drain plug from the bottom of the engine and drain the oil completely.
4. Reinstall the drain.
5. Remove the oil level screw and pour fresh oil of the specified type through the filler hole until the oil flows out from the oil level hole.

⚠CAUTION!

Frequent use in wet conditions will require more frequent oil change. lf the vehicle becomes submerged in water, immediately change the oil. Failure to follow this instruction may result in severe transmission damage.

BRAKE

The ATV has rear disk brake.

⚠WARNING!

Failure to properly inspect and maintain your ATVs brake systems can be hazardous. Improper maintenance of the brakes increases you chances of having an accident. Be sure to inspect the brakes before each use of the vehicle according to the inspection before riding section, always maintain your breaks according to the Maintenance Schedule.

⚠WARNING!

Operating the ATV in harsh conditions can 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. If you operate your vehicle under these conditions. The brakes must be inspected more often than recommended in the Maintenance Schedule.

BRAKE ADJUSTMENT

Increase brake function, making the vehicle brake more steady.
1. Set the parking brake by squeezing the brake lever and pressing the lock knob.
2. Try to move the vehicle backward and forward to see if the rear wheels are securely locked. If the rear wheels can turn, adjust the brake to lock the wheels securely by releasing the parking brake.

BRAKE OIL

The brake oil crock must be kept between the upper and lower mark. The brake friction must be checked to see if it is damaged once the limit depth, then there may be leakage in the brake oil crock. You should turn to the after-sale service station for inquiry. If brake oil is ok, adjusting the air nut, let air eduction the down-pomp, then lock the nut.

BRAKE FRICTION

During the maintain period, the abrasion can be examined by the eye. Once either friction pads is worn the limit depth, replace both pads in time. The tube and lining fitting must be examined to ensure that the brake oil never be leak.

Repeat this procedure until the parking brake is properly adjusted.

4. Measure the amount of free play needed to click the brake lever, Adjust the brake, if necessary, so that amount of free play is about 5mm (0.2in)

5. After any adjustment of the brake, check again to make sure the rear wheels can not turn then the parking brake lock knob is engaged.

RECOIL STARTER ENGAGEMENT ADJUSTMENT

⚠WARNING!

Before adjusting the recoil starter, make sure the engine stop switch is in the OFF position so the engine can not be started accidentally.
To adjust the recoil starter, use the following procedure:
1. Loosen the adjuster lock nut and turn the recoil adjuster clockwise as far as it will go.
2. Set the parking brake and make sure that the rear wheels are locked.

3. Turn the recoil adjuster counterclockwise by a half turn and puil the starter grip slowly to see if the ratchet engages and engine can be cranked. If the recoil starter counterclockwise by another half turn, Repeat this procedure until the starter ratchet mechanism begins to engage.
4. After locating the point where the starter ratchet begins to engage, turn the recoil adjuster counterclockwise 1 1/2 more turns and secure it by tightening the adjuster lick nut.
5. Check again to make sure that the recoil starter ratchet engages after the adjuster lock nut has been tightened.

TIRES

⚠WARNING!

Using tires of a different size or type than the tires originally equipped on your ATV can change the ATVs handing characteristics. Different handing characteristics can result from differences in carcass construction , sidewall strength, thread pattern, etc.

⚠WARNING!

For the riders safety, check your vehicle's tires before each use of the vehicle, to make sure they have proper pressure, enough thread depth, and no damage.

⚠WARNING!

Operating the vehicle with excessively worn tires can cause skidding due to decreased traction. It is recommended that the front and rear tires be replaced when the depth of the tire thread is 4mm (0.16in) or less.

TIRE PRESSURE

A low pressure gauge is provided in the tool kit under the seat, So you can measure the air pressure in your ATV tires. Check the air pressure in all tires before each use of the vehicle. Improper air pressure can affect handing, maneuverability, traction, lire life and rider comfort. Be sure that the tires are inflated to the pressure shown below, Tire pressure should only be measured or adjusted when the tires are old, or misleading measurements can result.

⚠CAUTION!

Using a high pressure air pump to fill the tires can be hazardous, If too much air is put into a tire, the tire may burst, causing severe injury. Use a manual type air pump to fill the tires.

TIRE REPLACEMENT

Air in the low—pressure tubeless tires of this vehicle is sealed by the contact surfaces of the inner wheel rim and tire bead. If either the inner wheel rim or tire bead is damaged, air may leak. Be extremely careful not to damage these sections when replacing tires. When breaking the tire bead loose from the wheel, be extremely careful not to damage the inner surface or the tire bead.

⚠WARNING!

The ATVs tires are intended to rotate in a specific direction, as indicated by the arrows on the sidewall of each tire. Be sure to install tires so they rotate in the proper direction or you may experience poor handing.

It is very important to use the proper tools when repairing or replacing tires, to prevent damage to the tire bead or wheel rims. We highly recommend that you have work done by your dealer or qualified tire repair station.

TUBELESS TIRE REPAIR

Should a leak or flat tire occur 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 where transportation or service facilities are not readily available, it is strongly recommended that you bring a plug type repair kit and a tire pump with you.

DRIVE CHAIN

The condition and adjustment of the drive chain should be checked once a month. Always follow the guidelines below for inspection and servicing the chain.

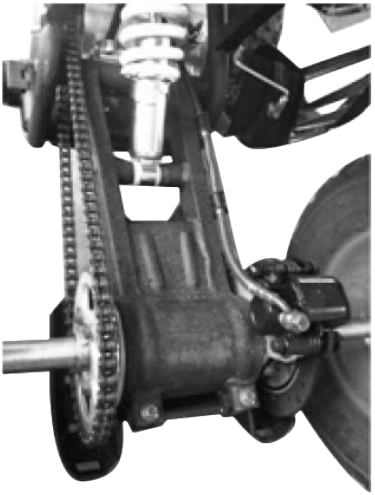
You should periodically inspect the drive chain for the following:
Loose pins
Damaged rollers
Dry or rusted links
Kinked or binding links
Excessive wear

If you find anything wrong with the drive chain condition or adjustment, there is a strong possibility that the sprockets will have damage to them also. Inspect the sprockets for the following:

Excessively worn teeth
Broken or damaged teeth
Loose sprocket mounting nuts

NOTE:
The two sprockets should be inspected for wear when a new chain is installed and replaced if necessary.

DRIVE CHAIN CLEANING AND OILING



Clean and oil the chain as follows:
1. Wash the chain with kerosene. Kerosene is a petroleum product and will provide some lubrication as well as cleaning action.

⚠WARNING!

Keep kerosene away from children and pets. Dispose of used kerosene properly.

⚠CAUTION!

Do not use gasoline, Trichlene or other commercial cleaning solvents to clean the drive chain. These fluids have a strong dissolving power that could damage the “O” rings in the chain. Damage to the “O” rings would allow the grease to run out of the chain and the chain would have to be replaced.

2. After thoroughly washing the chain and allowing it to dry, oil the links with a heavy weight motor oil(40 or 50 weight).

⚠CAUTION!

Some lubricants which are sold as drive chain lubricant can damage “O” rings of your vehicles chain. Sue the recommended motor oil or a lubricant that is especially intended for use on “O” ring chains.

⚠WARNING!

Failure 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.
Inspect the drive chain slack before each use.

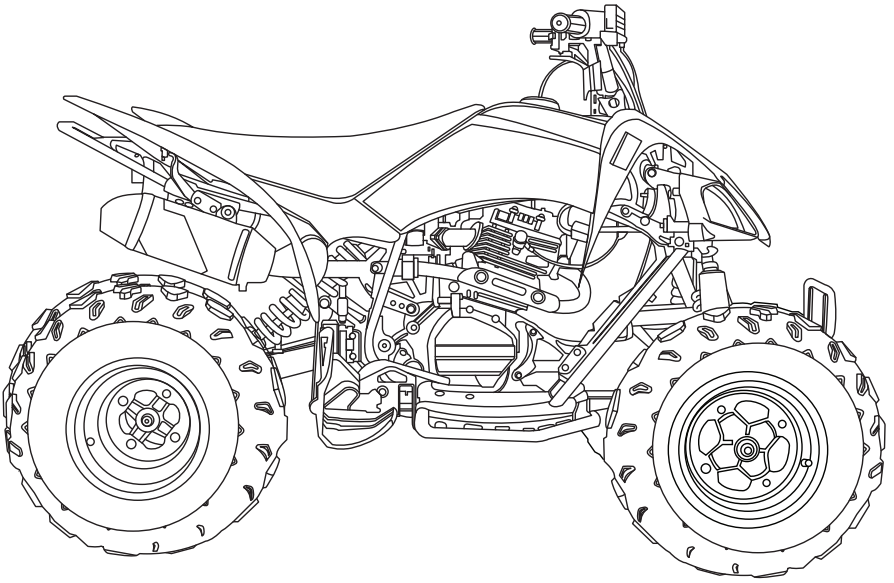
FRONT AND REAR WHEEL REMOVAL

1. Place the vehicle on level ground and set the parking brake.
2. Loosen the three wheel nuts on the wheel to be removed.
3. Lift up the front or rear end of the vehicle by placing a jack or block under the axle or frame.
4. Remove the three wheel nuts.
5. Remove the wheel. Reinstall the wheel, reverse these steps.

⚠WARNING!

When replacing a wheel, it is very important that the wheel nuts be torqued to the proper specifications. If they are not, the wheel can come off unexpectedly‘ We strongly recommends that you have these nuts checked and torqued, if necessary, by your authorized dealer.

ATV 250cc



MAIN SWITCH

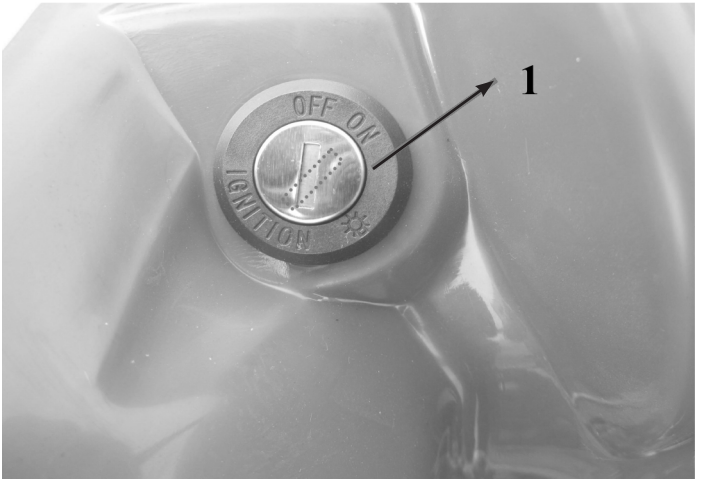
The positions of the main switch are as follows:

ON

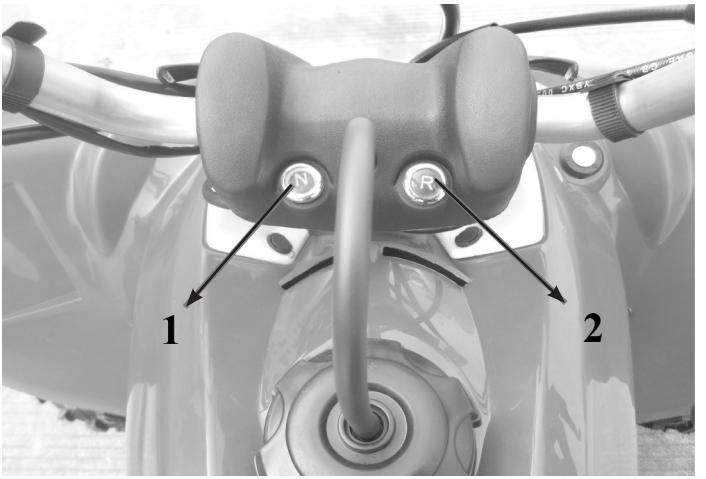
All electrical systems are supplied with power. The headlights and taillight come on when the light switch is on, and the engine can be started. The key cannot be removed.

OFF

All electrical systems are off. The key can be removed.



INDICATOR LIGHT



1. Neutral indicator light “N”
2. Reverse indicator light “R”

NEUTRAL INDICATOR LIGHT “N”

This indicator light comes on when the transmission is in neutral position.

REVERSE INDICATOR LIGHT “R”

This indicator light comes on when the transmission is in neutral position.

1. Front Light Switch
2. Light Beam Switch
3. Engine Stop Switch
4. Start Switch
5. Choke Switch

ENGINE STOP SWITCH “ / ”

This indicator light comes on when the transmission is in neutral position. The engine stop switch controls the ignition and stops the engine when it is running. Use this switch to stop the engine in an emergency situation.

START SWITCH “ ”

Push this switch to crank the engine with the starter.
See the starting instructions prior to starting the engine.

LIGHT BEAM SWITCH "≡D/≡D"

Set this switch to "≡D" to turn on the low beams and the taillight. Set the switch to "≡D" to turn on the high beams and the taillight.

CHOKE SWITCH "|↘|"

Starting a cold engine requires a richer air-fuel mixture, Which is supplied by the choke.
Move the choke switch to left to turn on the choke, move the choke to right to turn off the choke.

NOTE:

Do not use the headlights with the engine turned off for an extended period of time, otherwise the battery may discharge to the point that the starter motor will not operate properly. If this should happen, remove the battery and recharge it.

THROTTLE LEVER

Once the engine is running, pushing the throttle lever will increase the engine speed.

Regulated the speed of the ATV by varying the throttle position. Because the throttle is spring loaded, the ATV will decelerate, and the engine will return to an idle any time the throttle lever is released.

1. Throttle Lever

Before starting the engine, check the throttle to be sure it is operating smoothly. Make sure it returns to the idle position as soon as the lever is released.

SPEED LIMITER

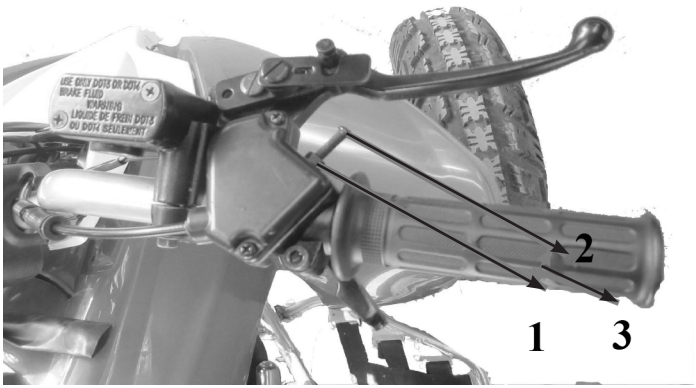
Your ATV is equipped with an adjustable speed limiter. The speed limiter keeps the throttle from fully opening, even when the throttle lever is pushed to maximum.

1. Loosen the locknut

2. To increase the maximum engine power available and the maximum speed of the ATV, turn the adjusting screw counter-clockwise. To decrease the maximum engine power available and the maximum speed of the ATV, turn the adjusting screw clockwise. Do not turn the adjusting screw out more than 12 mm (0.47 in) or the throttle cable could be damaged. Always make sure the throttle lever free play is adjusted to 2.0-4.0 mm (0.08-0.16 in)

WARNING!

Improper adjustment of the speed limiter and throttle could cause throttle cable damage or improper throttle operation. You could lose control, resulting in an accident.

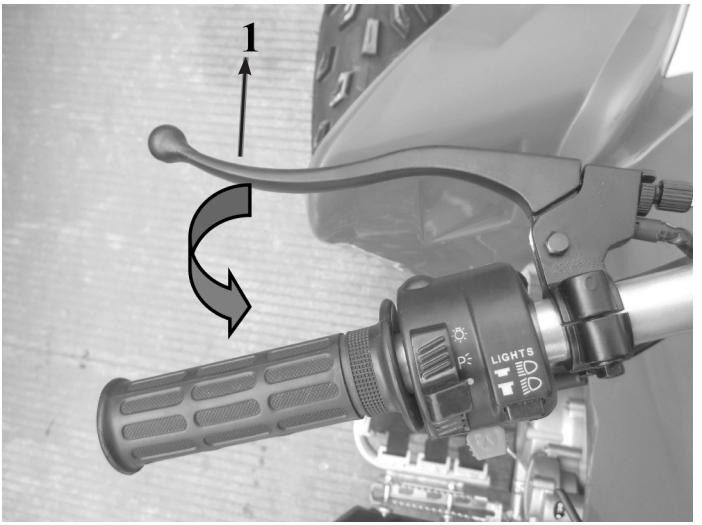


1. Locknut
2. Adjusting Screw
3. No more than 12mm (0.47 in)

3. Tighten the locknut.

CLUTCH LEVER

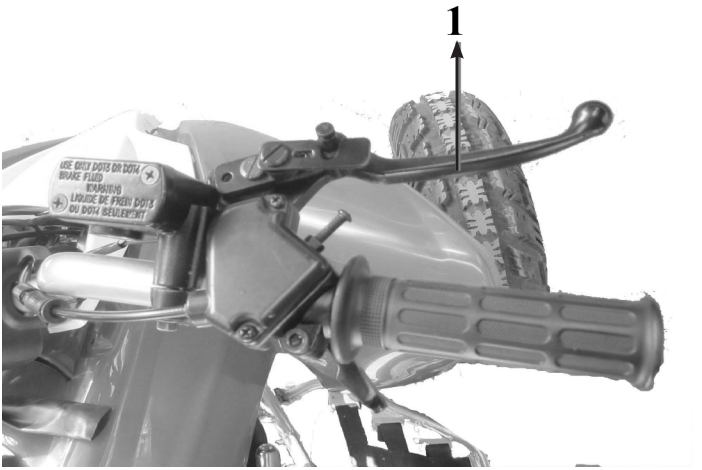
The clutch lever is located on the left handlebar and the ignition circuit cut-off system is incorporated in the clutch lever holder. To disengage the clutch, pull the clutch lever toward the handlebar grip. To engage the clutch, release the clutch lever. The clutch lever should be pulled rapidly and released slowly for smooth clutch operation.



1. Clutch Lever

BRAKE LEVER

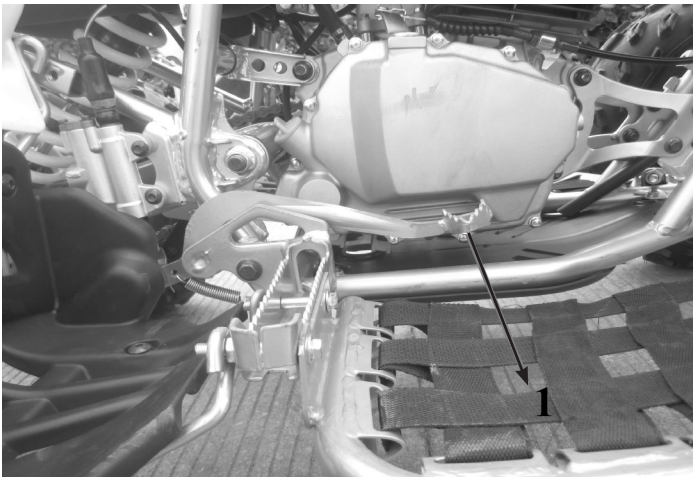
The brake lever is located at the right handlebar grip. To apply the front brake, pull the brake lever toward the handle grip.



1. Brake Lever

BRAKE PEDAL

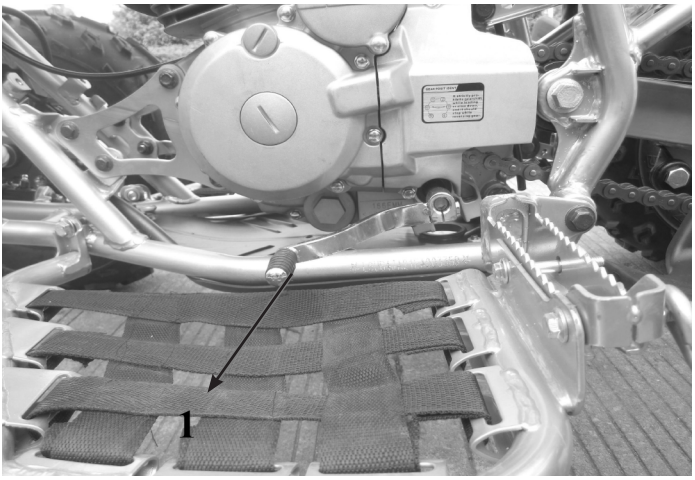
The brake pedal is located on the right side of the ATV. To apply the rear brake, push down on the brake pedal



1. Brake Lever

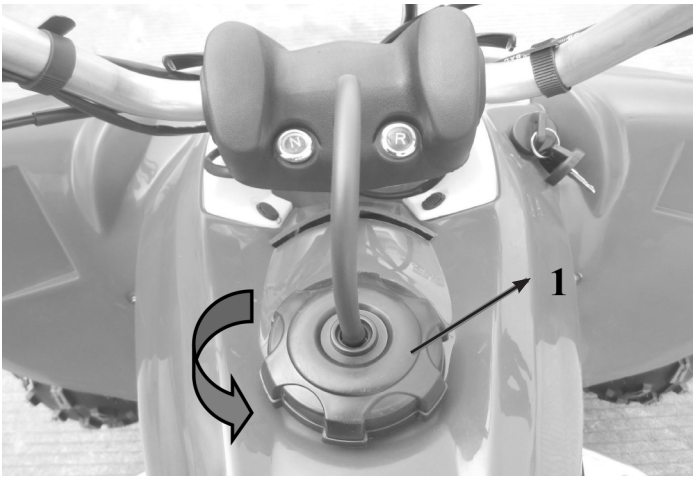
SHIFT PEDAL

This ATV is equipped with a constant-mesh 4- speed transmission. The shift pedal is located on the left side of the engine and is used in combination with the clutch when shifting.



FUEL TANK CAP

Remove the fuel tank cap by turning it counter-clockwise.



1. Fuel Tank Cap

FUEL

Make sure there is sufficient gasoline in the tank.

WARNING!

Gasoline and gasoline vapors are extremely flammable. To avoid fires and explosions and to reduce the risk of injury when refueling, follow these instructions.

1. Before refueling, turn off the engine and be sure that no one is sitting on the vehicle. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition such as the pilot lights of water heaters and clothes dryers.

2. Do not overfill the fuel tank. When refueling, be sure to insert the pump nozzle into the fuel tank filler hole. Stop filling when the fuel reaches the bottom of the filter tube. Because fuel expands when it heats up, heat from the engine or the sun can cause fuel to spill out of the fuel

3. Wipe up any spilled fuel immediately.

NOTE:
Immediately wipe off spilled fuel with a clean, dry, soft cloth, since fuel may deteriorate painted surfaces or plastic parts.

4. Turn the fuel tank cap fully clockwise to make sure it is securely closed.

WARNING!
Gasoline is poisonous and then cause injury or death. Handle gasoline with care. Never siphon gasoline by mouth. If you should swallow some gasoline or inhale a lot of gasoline vapor, or get some gasoline in your eyes, see your doctor immediately. If gasoline spills on your skin, wash with soap and water. If gasoline spills on your clothing, change your clothes.

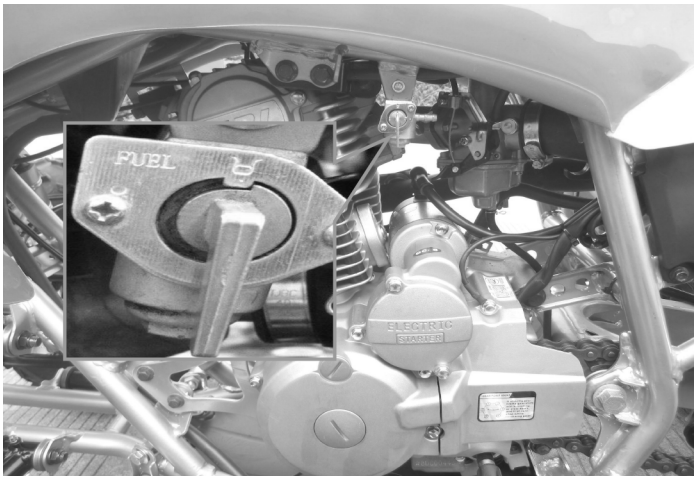
NOTE:
Use only unleaded gasoline. The use of leaded gasoline will cause severe damage to internal engine parts, such as the valves and piston rings, as well as to the exhaust system.

FUEL TAP
The fuel tap supplies fuel from the tank to the carburetor while also filtering it. The fuel tap lever positions are explained as follows and shown in the illustrations.

OFF

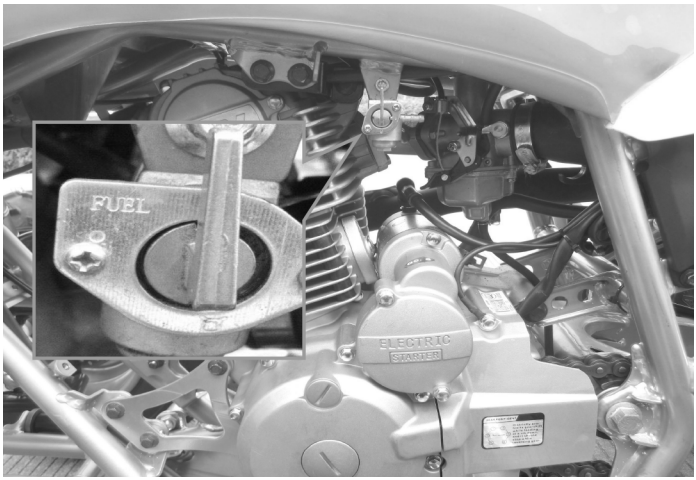
With the fuel tap lever in this position, fuel will not flow. Always turn the fuel tap lever to this position when the engine is not running.

ON



1. Arrow mark positioned over “ON”

RES



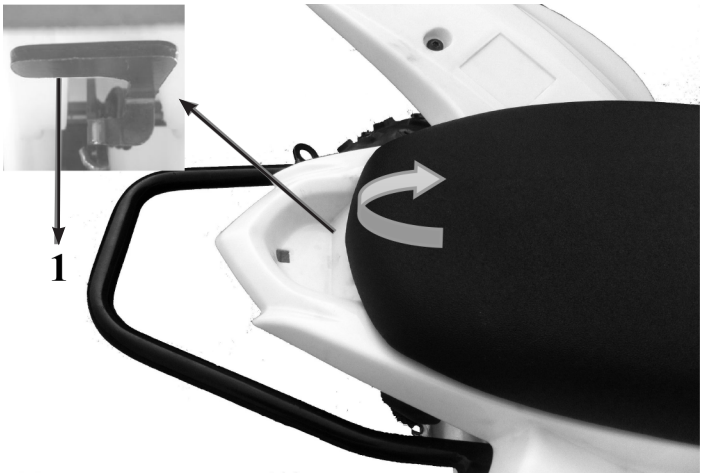
1. Arrow mark positioned over “RES”

This indicates reserve. With the fuel tap lever in this position, the fuel reserve is made available. Turn the fuel tap lever to this position if you run out of fuel while riding. When this occurs, refuel as soon as possible and be sure to turn the fuel tap lever back to “ON”

SEAT

To remove the seat

Insert your hand between the rear of the seat and
the rear fender, pull the seat lock lever upward and pull up the seat at the rear



1. Seat Lock Lever

To install the seat

Insert the projections on the front of the seat into
the seat holders and push down on the seat at the rear. Make sure that the seat is securely fitted.

Adjusting the front shock absorber assemblies
The spring preload can be adjusted to suit the rider's weight and the riding conditions.

WARNING!
Always adjust the shock absorber assemblies on the left and right side to the same setting. Uneven adjustment can cause poor handling and loss of stability, which could lead to an accident.

Adjust the spring preload as follows.

Turn the spring preload adjusting ring clockwise to increase the spring preload and thereby harden the suspension, and turn counter-clockwise to decrease the spring preload and thereby soften the suspension.

1. Spring preload adjusting ring

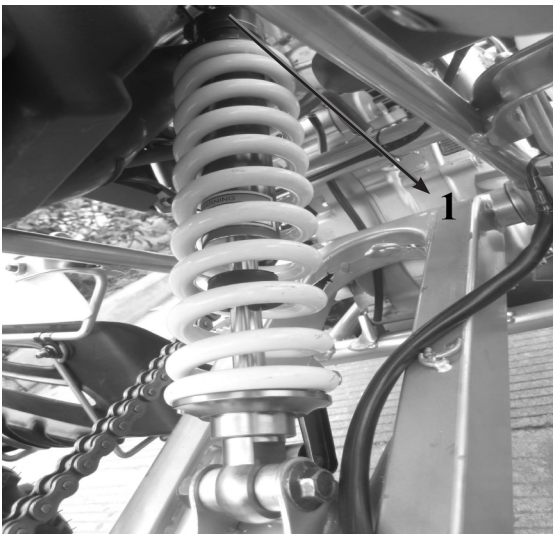
Adjusting the rear shock absorber assembly
The spring preload can be adjusted to suit the rider's weight and the riding conditions.

NOTE:
Never turn the adjusting mechanism beyond the minimum and maximum settings.

Adjust the spring preload as follows.

Turn the spring preload adjusting ring clockwise to increase the spring preload and thereby harden the suspension, and turn counter-clockwise to decrease the spring preload and thereby soften the suspension.

Normally adjust the spring soft or hard by adjusting the shortcut adjuster knob, turn clockwise to harden the spring, and turn counter-clockwise to soften the spring.



1. Spring preload adjusting ring

WARNING!
This shock absorber assembly contains highly pressurized nitrogen gas. If the shock absorber assembly is damaged, it could explode causing injury or properly damage. Shock absorber cylinder damage could also result in poor handling which could cause an accident.

- Do not tamper with or attempt to open the cylinder assembly.
- Do not subject the shock absorber assembly to an open flame or other high heat.
- Do not deform or damage the cylinder in any way.
- Do not dispose of a damaged or worn out shock absorber assembly yourself. Take the shock absorber assembly to a dealer for any service.

Periodic inspection, adjustment, and lubrication will keep your vehicle in the safest and most efficient condition possible. Safety is an obligation of the vehicle owner/operator. The most important points of vehicle inspection, adjustment, and lubrication are explained on the following pages.

WARNING!
Failure to properly maintain the vehicle or performing maintenance activities incorrectly may increase your risk of injury or death during service or while using the vehicle. If you are not familiar with vehicle service, have a dealer perform the service.

WARNING!
Turn off engine when performing maintenance unless otherwise specified.

- A running engine has moving parts that can catch on body parts or clothing and electrical parts that can cause shocks or fires.

- Running the engine while servicing can lead to eye injury, burns, fire, or carbon monoxide poisoning - possibly leading to death.

WARNING!
Brake discs, calipers, drums, and linings can become very hot during use. To avoid possible burns, let brake components cool before touching them.

The intervals given in the periodic maintenance charts should be considered as a general guide under normal riding conditions. However, DEPENDING ON THE WEATHER, TERRAIN, GEOGRAPHICAL LOCATION, AND INDIVIDUAL USE, THE MAINTENANCE INTERVALS MAY NEED TO BE SHORTENED.

PERIODIC MAINTENANCE CHART FOR THE EMISSION CONTROL SYSTEM

NOTE:

- For ATVs not equipped with an odometer or an hour meter, follow the month maintenance intervals.

- For ATVs equipped with an odometer or an hour meter, follow the km (mi) or hours maintenance intervals. However, keep in mind that if the ATV isn't used for a long period of time, the month maintenance intervals should be followed.

- Items marked with an asterisk should be performed by a dealer as they require special tools, data and technical skills.

NO.		ITEM	CHECK OR MAINTENANCE JOB	Whichever comes first ⟹		INITIAL			EVERY	
					month	1	3	6	6	12
					Km	320	1300	2500	2500	5000
					(mi)	(200)	(800)	(1600)	(1600)	(3200)
					hours	20	80	160	160	320
1	*	Fuel line	• Check fuel hoses for cracks or other damage, and replace if necessary					√	√	√
2	*	Spark plug	• Check condition and clean, regap, or replace if necessary.			√	√	√	√	√
3	*	Valves	• Check valve clearance and adjust if necessary.			√		√	√	√
4	*	Carburetor	• Check starter (choke) operation and correct if necessary. • Check engine idling speed and adjust if necessary.				√	√	√	√
5	*	Crankcase breather system	• Check breather hose for cracks or other damage, and replace if necessary.					√	√	√
6	*	Exhaust system	• Check for leakage and replace gasket(s) if necessary. • Check for looseness and tighten all screw clamps and joints if necessary.					√	√	√

GENERAL MAINTENANCE AND LUBRICATION CHART

NOTE:

- For ATVs not equipped with an odometer or an hour meter, follow the month maintenance intervals.
- For ATVs equipped with an odometer or an hour meter, Follow the km (mi) or hours maintenance intervals. However, keep in mind that if the ATV isn't used for a long period of time, the month maintenance intervals should be followed.
- Items marked with an asterisk should be performed by a dealer as they require special tools, data and technical skills

NO.		ITEM	CHECK OR MAINTENANCE JOB	Whichever comes first ⟹		INITIAL			EVERY	
					month	1	3	6	6	12
					Km	320	1300	2500	2500	5000
					(mi)	(200)	(800)	(1600)	(1600)	(3200)
					hours	20	80	160	160	320
1	*	Air filter element	• Clean and replace if necessary			Every 20-40 hours (more often in wet or dusty areas)				
2	*	Clutch	•Check operation and adjust if necessary.			√		√	√	√
3	*	Front brake	•Check operation and correct if necessary. •Check fluid level and ATV for fluid leakage, and correct if necessary.			√	√	√	√	√
			• Replace brake pads			Whenever worn to the limit				
4	*	Rear brake	• Check operation and correct if necessary. • Check fluid level and ATV for fluid leakage, and correct if necessary.			√	√	√	√	√
			• Replace brake pads.			Whenever worn to the limit				
5	*	Brake hoses	• Check for cracks or other damage, and replace if necessary.				√	√	√	√
			• Replace			Every 4 years				
6	*	Wheels	• Check runout and for damage, and replace if necessary.			√		√	√	√
7	*	Tires	• Check tread depth and for damage, and replace if necessary. • Check air pressure and balance, and correct if necessary.			√		√	√	√
8	*	Wheel hub bearing	• Check for looseness or damage, and replace if necessary.			√		√	√	√
9	*	Swing arm pivots	• Check operation and for excessive play, and replace bearing if necessary. • Lubricate with lithium-soap-based grease.					√	√	√
10	*	Upper and lower arm pivots	• Lubricate with lithium-soap-based grease.					√	√	√
11	*	Drive chain	• Check chain slack and adjust if necessary. • Check rear wheel alignment and correct if necessary. • Clean and lubricate.			√	√	√	√	√
12	*	Drive chain roller	• Check for wear and replace if necessary.					√	√	√

13	*	Chassis feasters	• Make sure that all nuts, bolts, and screws are properly tightened.	√	√	√	√	√
14	*	Shock absorber assemblies	• Check operation and correct if necessary • Check for oil leakage and replace if necessary.			√	√	√
15	*	Steering shaft	• Lubricate with lithium-soap-based grease.			√	√	√
16	*	Steering system	• Check operation and repair or replace if damaged. • Check toe-in and adjust if necessary.	√	√	√	√	√
17	*	Engine oil	• Change • Check ATV for oil leakage, and correct if necessary.	√		√	√	√
18	*	Engine oil filter element	• Clean and replace if necessary • Replace.	√		√		√
19	*	Moving parts and cables	• Lubricate.		√	√	√	√
20	*	Throttle lever	• Check operation. • Check throttle lever free play, and adjust if necessary. • Lubricate cable and lever housing.	√	√	√	√	√
21	*	Front and rear brake switches	• Check operation and correct if necessary.	√	√	√	√	√
22	*	Lights and switches	• Check operation and correct if necessary. • Adjust headlight beams	√	√	√	√	√

NOTE:

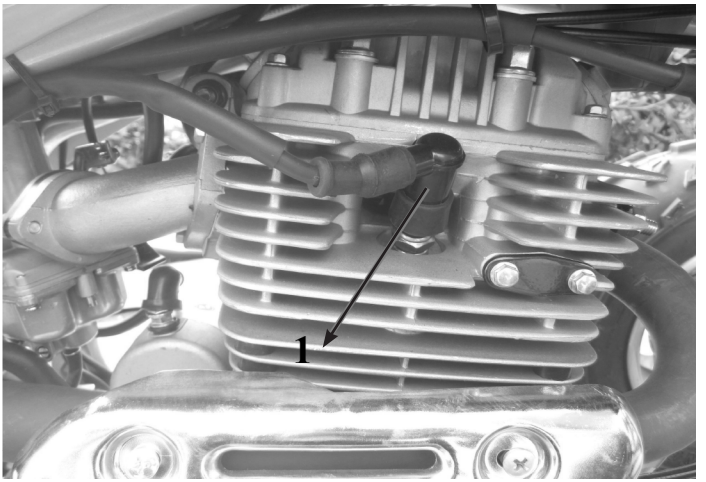
Failure to properly maintain the vehicle or performing maintenance activities incorrectly may increase your risk of injury or death during service or while using the vehicle. If you are not familiar with vehicle service, have a dealer perform the service.

CHECKING THE SPARK PLUG

The spark plug is an important engine component, which is easy to check. Since heat and deposits will cause any spark plug to slowly erode, the spark plug should be removed and checked in accordance with the periodic maintenance and lubrication chart. In addition, the condition of the spark plug can reveal the condition of the engine.

TO REMOVE THE SPARK PLUG

1. Remove the spark plug cap.



1. Spark Plug Cap

2. Remove the spark as shown, with the spark plug wrench included in the owner's tool Kit.

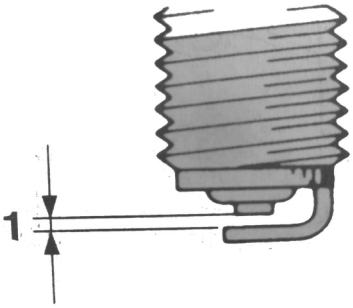
TO CHECK THE SPARK PLUG

1. Check that the porcelain insulator around the center electrode of the spark plug is a medium-to-light tan (the ideal color when the ATV is ridden normally)

NOTE:
If the spark plug shows a distinctly different color, the engine could be operating improperly. Do not attempt to diagnose such problems yourself. Instead, have a dealer check the ATV.

2. Check the spark plug gap for electrode erosion and excessive carbon or other deposits, and replace it if necessary.

3. Measure the spark plug gap with a wire thickness gauge and, if necessary, adjust the gap to specification.



1. Spark Plug Gap - 0.6-0.7mm (0.024-0.028 in)

TO INSTALL THE SPARK PLUG

1. Clean the surface of the spark plug gasket and its Mating surface, and then wipe off any grime from the spark plug threads.

2. Install the spark plug with the spark plug wrench, and then tighten it to the specified torque.

Tightening torque:
Spark plug:
18Nm(1.8m·kgf, 13ft·lbf)

NOTE:
If a torque wrench is not available when installing the spark plug, a good estimate of the correct torque is 1/4-1/2 turn past finger tight. However, the spark should be tightened to the specified torque as soon as possible.

3. Install the spark plug cap.

ENGINE OIL AND OIL FILTER ELEMENT

The engine oil level should be checked before each ride, in addition, the oil must be changed and the oil filter element must be replaced at the intervals specified in the periodic maintenance and lubrication chart.

TO CHECK THE ENGINE OIL LEVEL

1. Place the ATV on a level surface.

2. Check the engine oil level on a cold engine.

NOTE:

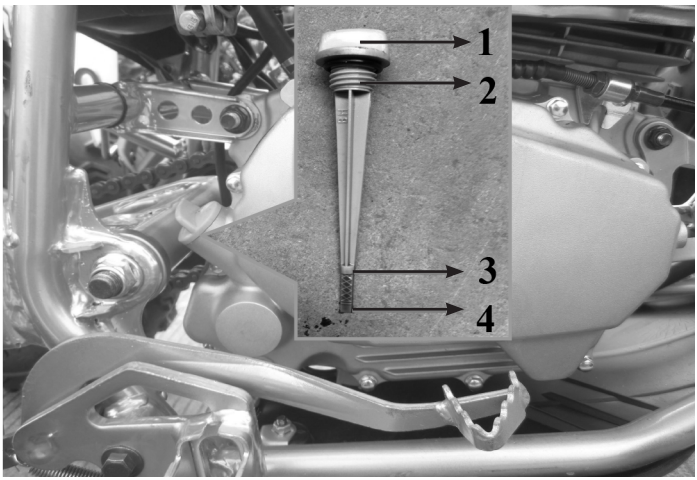
If the engine was started before checking the oil level, be sure to warm up the engine sufficiently, and then wait at least ten minutes until the oil settles for an accurate reading.

3. Remove the engine oil filter cap, and then wipe the engine oil Dipstick off with a clean rag.

4. Insert the dipstick into the filter hole(without screwing it in), and then remove it again to check the oil level.

NOTE:

The engine oil should be between the minimum and maximum level marks.



1. Engine oil filler cap
2. Engine oil dipstick
3. Maximum level mark
4. Minimum level mark

5. If the engine oil is at or below the minimum level mark, add sufficient oil of the recommended type to raise it to the correct level.

NOTE:
Be sure the engine oil is at the correct level, otherwise engine damage may result.

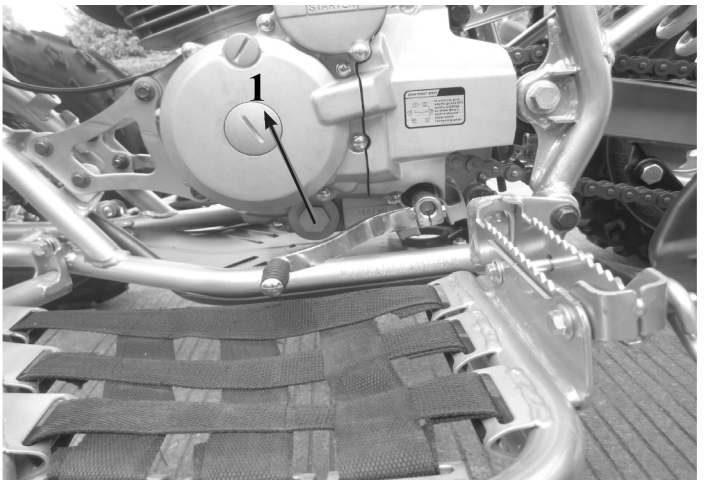
6. Insert the dipstick into the oil filter hole, and then tighten the engine filter cap.

TO CHANGE THE ENGINE OIL (WITH OR WITHOUT OIL FILTER ELEMENT REPLACEMENT)
1. Place the ATV on a level surface.

2. Start the engine, warm it up for several minutes, and then turn it off.

3. Place an oil pan under the engine to collect the used oil.

4. Remove the engine oil filler cap, and then remove the engine oil drain bolt to drain the oil from the crankcase.



1. Engine oil drain bolt

5. Install the engine oil drain bolt , and then tighten the bolt to the specified torque.

6. Refill with the specified amount of the recommended engine oil.

NOTE:
Be sure to wipe off spilled oil on any parts after the engine and exhaust system have cooled down.

NOTE:
- In order to prevent clutch slippage (since the engine oil also lubricates the clutch), do not mix any chemical additives. Do not use oils with a diesel specification of "CD" or oils of a higher quality than specified. In addition, do not use oils labeled "ENERGY CONSERVING II" or higher.

- Make sure that no foreign material enters the crankcase.

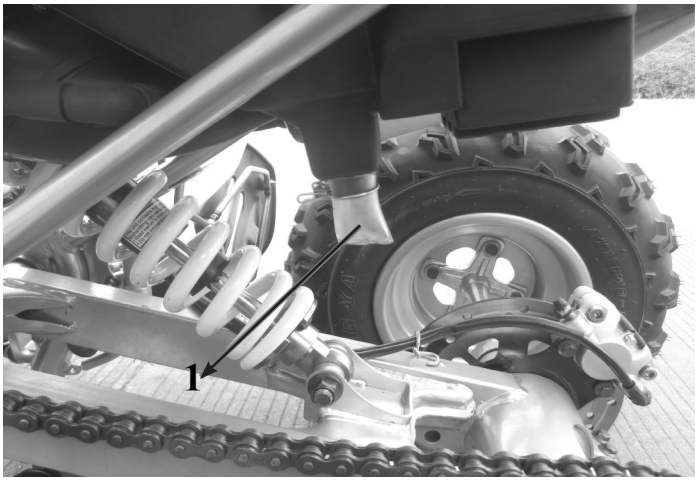
7. Start the engine, and then let it idle for several minutes while checking it for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause.

8. Turn the engine off, wait at least ten minutes, and then check the oil level and correct it if necessary.

CLEANING THE AIR FILTER ELEMENT

The air filter element should be cleaned at the intervals specified in the periodic maintenance and lubrication chart. Clean or, if necessary, replace the air filter element more frequently if you are riding in unusually wet or dusty areas.

NOTE:
There is a check hose at the bottom of the air filter case. If dust or water collects in this hose, empty the hose and clean the air filter element and air filter case.

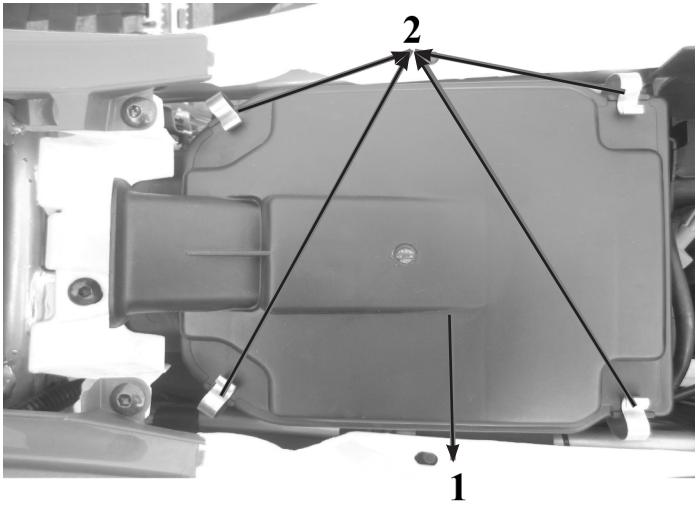


1. Air filter case check hose

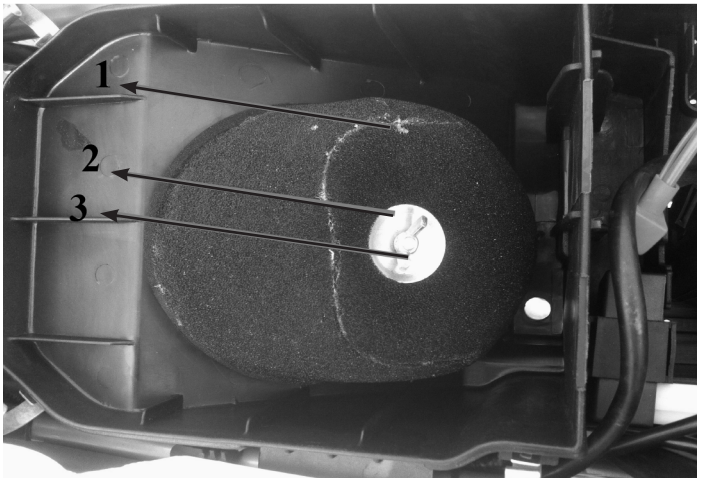
1. Place the ATV on a level surface.

2. Remove the seat.

3. Remove the air filter case cover by unhooking the holders.



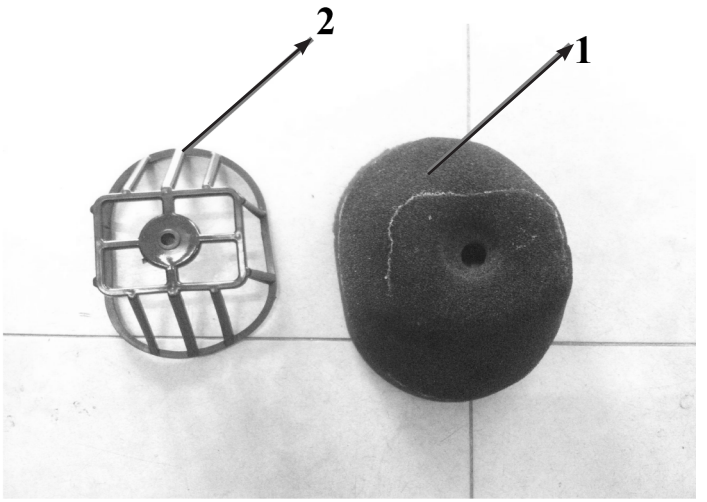
4. Loosen the wing bolt.
5. Remove the air filter element together with the wing bolt and washer.



1. Air filter element
2. Washer
3. Wing bolt

6. Remove the wing bolt and washer from the air filter element.

7. Remove the sponge material from the air filter element frame.



1. Sponge material
2. Air filter element frame

8. Wash the sponge material gently but thoroughly in solvent.

WARNING!
Always use parts cleaning solvent to clean the sponge material. Never use low-flash-point solvents or gasoline to clean the sponge material because the engine could catch fire or explode.

9. Squeeze the excess solvent out of the sponge material and let it dry.

NOTE:
Do not twist the sponge material when squeezing it.

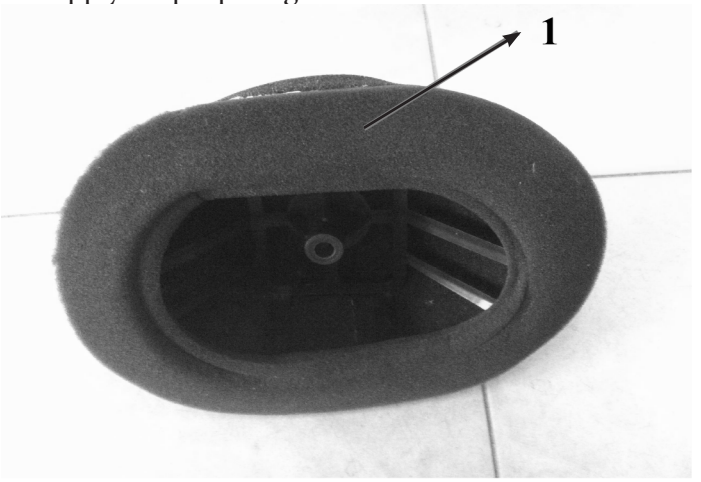
10. Check the sponge material and replace it if damaged.

11. Apply foam air filter oil or other quality foam air filter oil to the sponge material.

NOTE:
The sponge material should be wet but not dripping.

12. Pull the sponge material over the air filter element frame.

13. Apply all-purpose grease to the air filter element seat.



1. Air filter element seat

14. Install the washer onto the air filter element frame, and then insert the wing bolt into the hole in the air filter element frame.

NOTE:
Be sure to install the washer with its curved side facing outward.

15.Insert the air filter element into the air filter case, and then tighten the wing bolt.

NOTE:
Make sure that the air filter element is properly seated in the air filter case. Never operate the engine with the air filter element removed. This will allow unfiltered sir to enter the engine, causing rapid engine wear and possible engine damage. Additionally, operation without the air filter element will affect carburetor jetting with subsequent poor performance and possible engine overheating.

16.Install the air filter case cover by hooking the holders onto the air filter case.

17.Install the seat.

NOTE:
The air filter element should be cleaned every 20-40 hours. It should be cleaned and lubricated more often if the ATV is operated in extremely dusty areas. Each time the air filter element maintenance is performed, check the air inlet of the air filter case for obstructions. Check the air filter case rubber joint to the carburetor fittings and the rubber joint manifold fittings for an air-tight seal. Tighten all fittings securely to avoid the possibility of unfiltered air entering the engine.

ADJUSTING THE CARBURETOR

The carburetor should be checked and, if necessary, adjusted at the intervals specified in the periodic maintenance and lubrication chart. The carburetor is an important part of the engine and requires very sophisticated adjustment. Therefore, most carburetor adjustments should be left to a dealer, who has the necessary professional knowledge and experience. The adjustment described in the following section, however, may be performed by the owner as part of routine maintenance.

NOTE:
The carburetor has been set and extensively tested at the factory. Changing these settings without sufficient technical knowledge may result in poor performance of or damage to the engine.

ADJUSTING THE ENGINE IDLING SPEED

The engine idling speed must be checked and, if necessary, adjusted as follows at the intervals specified in the periodic maintenance and lubrication chart.

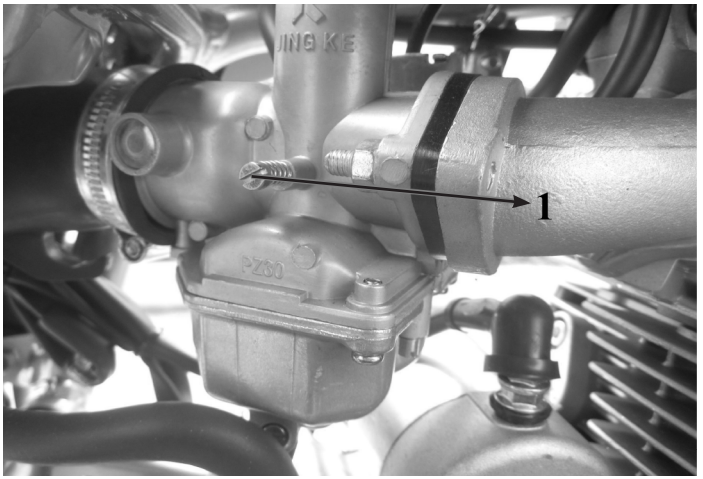
NOTE:
A diagnostic tachometer is needed to make this adjustment.

1. Start the engine and warm it up.

NOTE:
A diagnostic tachometer is needed to make this adjustment. The engine is warm when it quickly responds to the throttle.

2. Attach the tachometer to the spark plug lead.

3. Check the engine idling speed and, if necessary, adjust it to specification by turning the throttle stop screw at the carburetor. To increase the engine idling speed, turn the throttle stop screw clockwise, and to decrease it, turn the screw counter-clockwise.



1. Throttle stop screw

NOTE:
If the specified idling speed cannot be obtained as described above, have a dealer make the adjustment.

ADJUSTING THE THROTTLE LEVEL FREE PLAY

The throttle level free play should be checked and, if necessary, adjusted at the intervals specified in the periodic maintenance and lubrication chart.

The throttle lever free play should measure 2.0-4.0 mm (0.08-0.16 in) as shown. Periodically check the throttle lever free play and, if necessary, adjust it as follows.

NOTE:
The engine idling speed must be checked, and adjusted if necessary, before adjusting the throttle level free play.

To increase the throttle lever free play, turn the throttle lever free play adjusting bolt counterclockwise, To decrease the throttle lever free play, turn the adjusting bolt clockwise.

1. Throttle lever free play adjusting bolt

VALVE CLEARANCE

The valve clearance changes with use, resulting in improper air-fuel mixture and/or engine noise. To prevent this from occurring, the valve clearance must be adjusted by a dealer at the intervals specified in the periodic maintenance and lubrication chart.

BRAKES

Replacement of the brake components requires professional knowledge. Brake service should be performed by a dealer.

WARNING!

Operating with improperly serviced or adjusted brakes could lead to a loss in braking ability and an accident.

CHECKING THE FRONT AND REAR BRAKE PADS

The front and rear brake pads must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart.

FRONT BRAKE PADS

Each brake pad is provided with a wear indicator groove, which allows you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the wear indicator groove. If a brake pad has worn to the point that the wear indicator groove has almost disappeared, have a dealer replace the brake pads as a set.

NOTE:

The wheels need to be removed to check the brake pads.

REAR BRAKE PADS

Each brake pad is provided with two wear indicator grooves, which allow you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the wear indicator grooves. If a brake pad has worn to the point that a wear indicator groove almost appears, have a dealer replace the brake pads as a set.

CHECKING THE BRAKE FLUID LEVEL

Before riding, check that the brake fluid is above the minimum level mark. Check the brake fluid level with the top of the reservoir level. Replenish the brake fluid if necessary.

FRONT BRAKE

1. Minimum level mark

WARNING!
Improper maintenance can result in loss of braking ability.

Observe these precautions:

Insufficient brake fluid may allow air to enter the brake system, reducing braking performance.

- Clean the filler cap before removing. Use brake fluid from a sealed container.
- Use only the specified brake fluid; otherwise, the rubber seals may deteriorate, causing leakage.
- Refill with the same type of brake fluid. Adding a brake fluid other may result in a harmful chemical reaction.
- Be careful that water does not enter the brake fluid reservoir when refilling. Water will significantly lower the bolling point of the fluid and may result in vapor lock.

NOTE:
Brake fluid may damage painted surfaces or plastic parts. Always clean up spilled fluid immediately

As the brake pads wear, it is normal for the brake fluid level to gradually go down. A low brake fluid level may indicate worn brake pads and/or brake system leakage; therefore, be sure to check the brake pads for wear and the brake system for leakage. If the brake fluid level goes down suddenly, have a dealer check the cause before further riding.

CHANGING THE BRAKE FLUID

Have a dealer change the brake fluid at the intervals specified in the TIP after the periodic maintenance and lubrication chart. In addition, have the oil seals of the master cylinders and calipers as well as the brake hoses replaced at the intervals listed below or whenever they are damaged or leaking.

CHECKING THE FRONT BRAKE LEVEL FREE PLAY

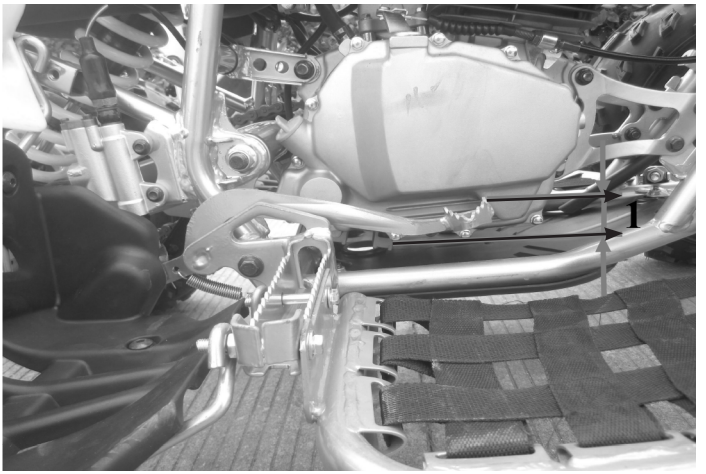
The brake level free play must be checked at the intervals specified in the periodic maintenance and lubrication chart. The brake level should have no free play as shown. If there is free play, have a dealer check the brake system.

1. No brake level free play

CHECKING THE BRAKE PEDAL HEIGHT

The brake pedal height must be checked and, if necessary, adjusted at the intervals specified in the periodic maintenance and lubrication chart.

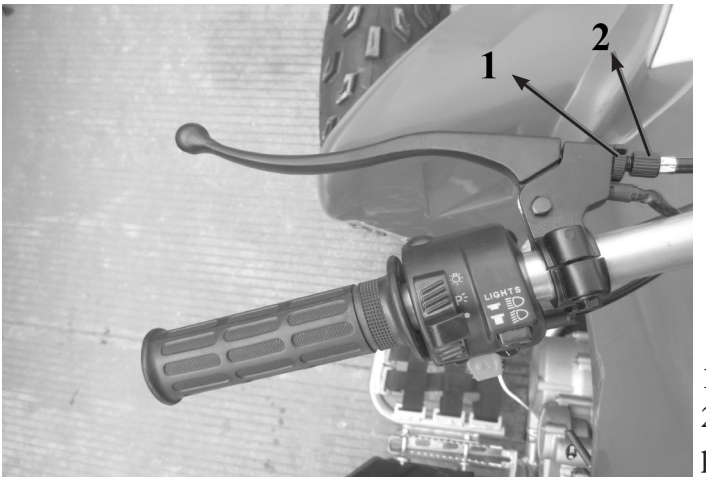
The top of the brake pedal should positioned 40.0 mm (1.57 in) above the top of the frame as shown. If the brake pedal is not positioned as specified, have a dealer adjust it.



ADJUSTING THE CLUTCH LEVER FREE PLAY

The clutch lever free play must be checked and, if necessary, adjusted at the intervals specified in the periodic maintenance and lubrication chart.

The clutch lever free play should measure 5.0- 10.0 mm (0.20-0.39 in) as shown, if the free play is incorrect, adjust it as follow.



1.Locknut
2.Clutch lever free play adjusting bolt

1. Loosen the locknut t the clutch lever,
2. To increase the clutch lever free play, turn the adjusting bolt counter-clockwise, and to decrease it, turn the bolt clockwise.
3. Tighten the locknut.

NOTE:
If the specified free play cannot be obtained as described above or if the clutch does not operate correctly, have a dealer check the internal clutch mechanism.

DRIVE CHAIN SLACK

The drive chain slack should be checked before each ride and adjusted if necessary.

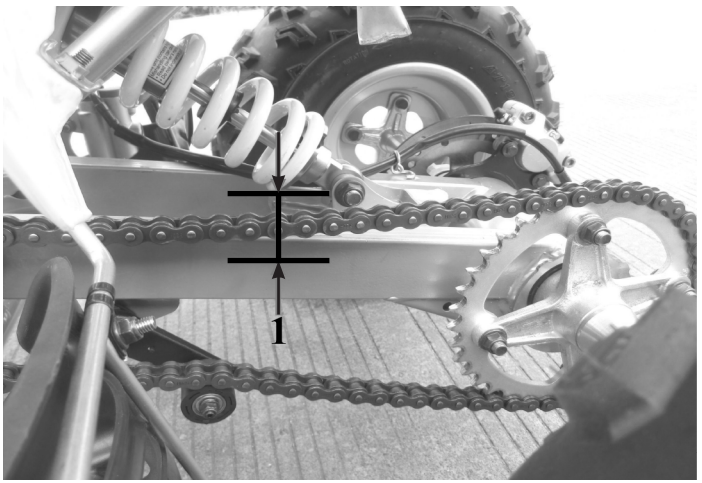
TO CHECK THE DRIVE CHAIN SLACK

1. Place the ATV on a level surface.

NOTE:
When checking and adjusting the drive chain slack, there should be no weight on the ATV and all tires must be touching the ground.

2. Move the ATV back and forth to locate the tightest portion of the drive chain, and then measure the drive chain slack as shown.

Drive chain slack: 45.0-55.0 mm (1.77-2.17 in)



1. Drive chain slack

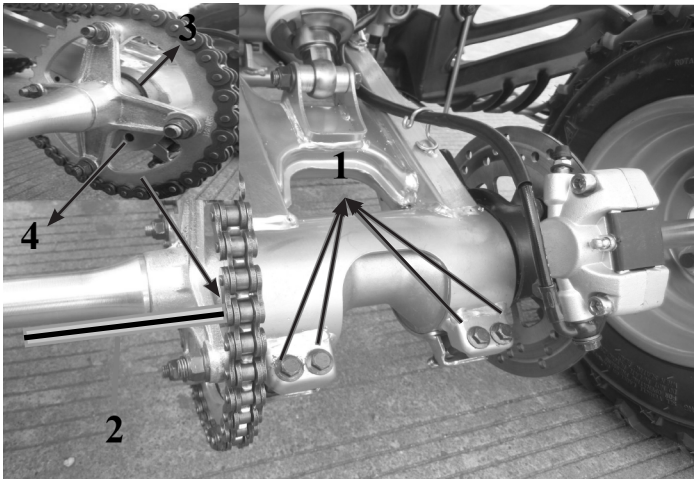
3. If the drive chain slack is incorrect, adjust it as follows.

TO ADJUST THE DRIVE CHAIN SLACK

1. Place the ATV on a level surface.

2. Loosen the rear wheel axle pinch bolts.

3. Insert a rod of a diameter of 8 mm (0.3 in) and a length of 10 cm (4 in) into one of the holes in the drive chain



1. Rear wheel axle pinch bolt
2. Rod
3. Drive chain tensioner
4. Hole

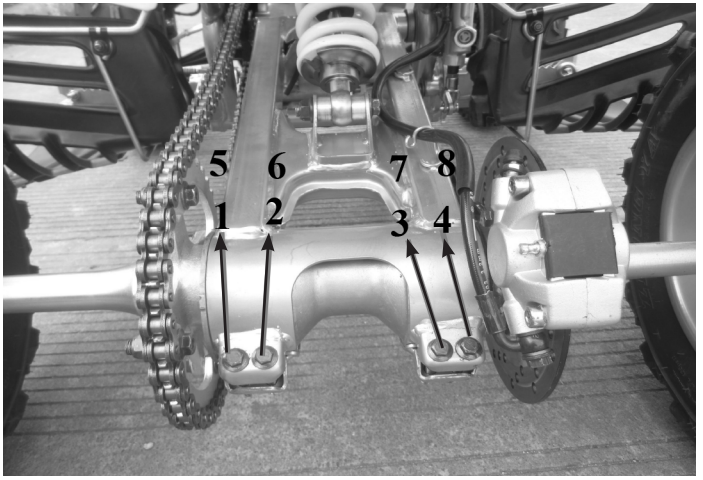
NOTE:
A rod can be obtained at a dealer to make this adjustment.

4. Shift the transmission into neutral.

5. To tighten the drive chain, push the ATV backward. To loosen the drive chain, push the ATV forward.

NOTE:
Improper drive chain slack will overload the engine as well as other vital parts of the ATV and can lead to drive chain slippage or breakage. To prevent this from occurring, keep the drive chain slack within the specified limits.

6. Pull the rod out, and then tighten the rear axle pinch bolts to the specified torque in the order shown.



Tighten torque:

Rear axle pinch bolt: 21 Nm (2.1 m·kgf, 15ft ·lbf)

LUBRICATING THE DRIVE CHAIN

The drive chain must be cleaned and lubricated at the intervals specified in the periodic maintenance and lubrication chart, otherwise it will quickly wear out, especially when riding in dusty or wet areas.

Service the drive chain as follows.

NOTE:

The drive chain must be lubricated after washing the ATV or riding in the rain or wet areas.

1. Clean the drive chain with kerosene and a small soft brush.

2. Wipe the drive chain dry.

CHECKING AND LUBRICATING THE CABLES

The operation and condition of all control cables should be checked before each ride, and the cables and cable ends should be lubricated if necessary. If a cable is damaged or does not move smoothly, have a dealer check or replace it.

WARNING!

- Inspect cables frequently and replace if damaged. Corrosion can result when the cable sheaths become damaged, and cables can also become frayed or kinked, which could restrict the operation of controls and lead to an accident or injury.

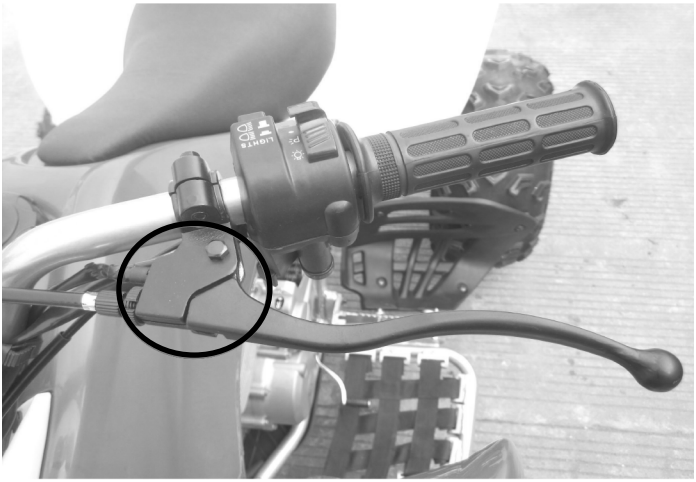
- Always make sure all control cables work smoothly before you begin riding in cold weather. If the control cables are frozen or do not work smoothly, you could be unable to control the ATV, which could lead to an accident or collision.

CHECKING AND LUBRICATING THE BRAKE AND CLUTCH LEVERS

The operation of the brake and clutch levers should be checked before each ride, and the lever pivots should be lubricated if necessary.

BRAKE LEVER

CLUTCH LEVER



CHECKING THE SHIFT PEDAL

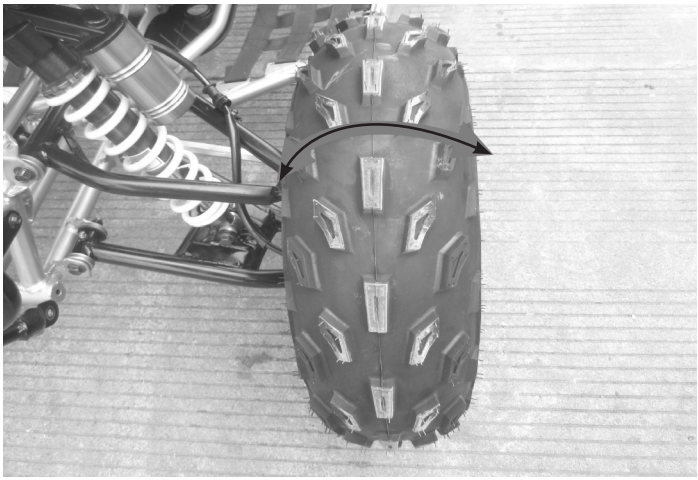
The operation of the shift pedal should be checked before each ride. If operation is not smooth, have a dealer check the vehicle.

CHECKING AND LUBRICATING THE BRAKE PEDAL

The operation of the brake pedal should be checked before each ride, and the pedal pivot should be lubricated if necessary.

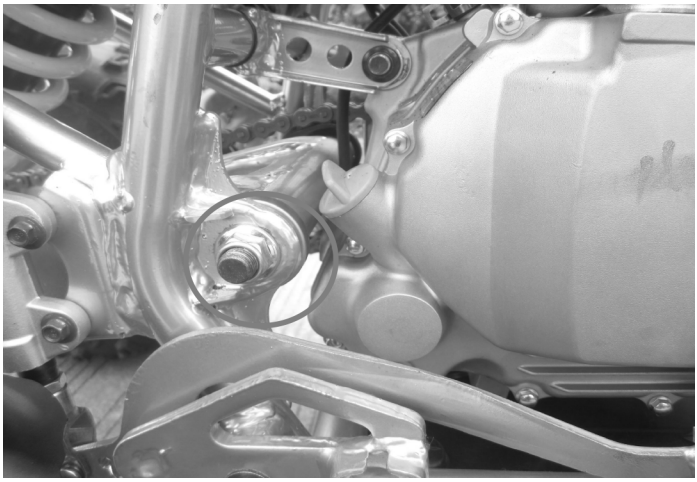
CHECKING THE WHEEL HUB BEARINGS

The front and rear wheel hub bearings must be checked at the intervals specified in the periodic maintenance and lubrication chart. If there is play in a wheel hub or if a wheel does not turn smoothly, have a dealer check the wheel hub bearings.



LUBRICATING THE SWING ARM PIVOTS

The swing arm pivots must be lubricated by a dealer at the intervals specified in the periodic maintenance and lubrication chart.



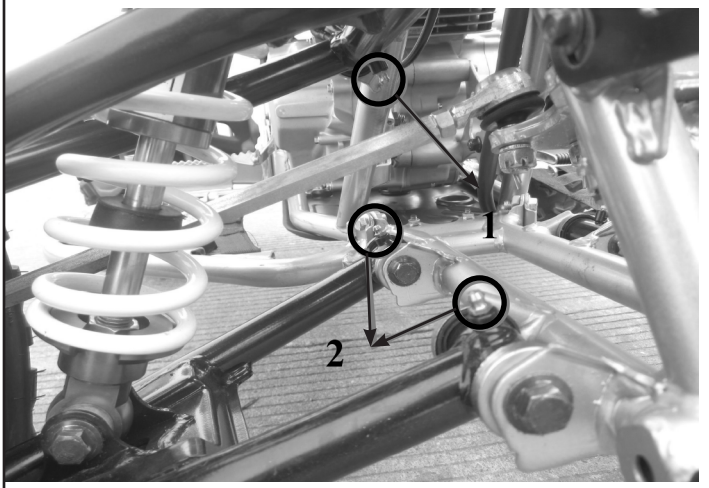
LUBRICATING THE UPPER AND LOWER ARM PIVOTS

The upper and lower arm pivots must be lubricated at The intervals specified in the periodic maintenance and lubrication chart.

NOTE:

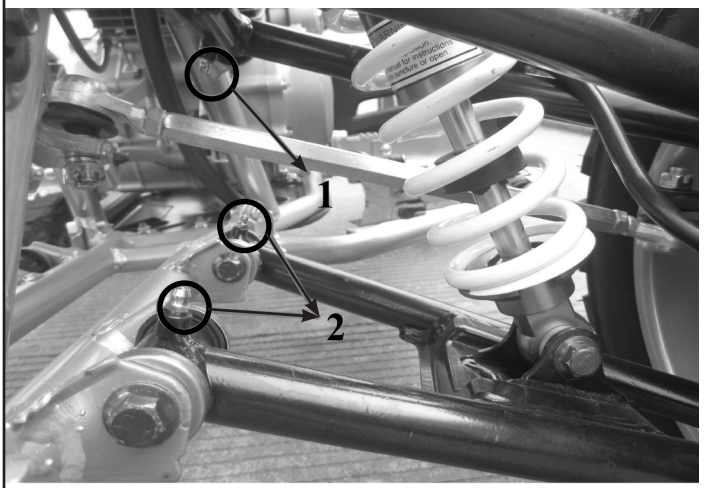
For parts equipped with a grease nipple, use a grease gun.

LEFT SIDE



1. Upper grease nipple
2. Lower grease nipple

RIGHT SIDE



1. Upper grease nipple
2. Lower grease nipple

LUBRICATING THE STEERING SHAFT

The steering shaft must be lubricated by a dealer at the intervals specified in the periodic maintenance and lubrication chart.

NOTE:

For parts equipped with a grease nipple, use a grease gun.

BATTERY

The battery is located under the seat. This model is equipped with a Valve Regulated Lead Acid battery. There is no need to check the electrolyte or to add distilled water. However, the battery lead connections need to be checked and, if necessary, tightened.

WARNING!

Battery electrolyte is poisonous and dangerous, as it contains sulfuric acid, which can cause severe burns. Avoid contact with skin, eyes or clothing. Always shield your eyes when working near batteries.

Antidote:

EXTERNAL: Flush with water.

INTERNAL: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or vegetable oil. Call a physician immediately.

EYES: Flush with water for 15 minutes and get prompt medical attention.

Batteries produce explosive gases. Keep sparks, flame, cigarettes or other sources of ignition away. Ventilate when charging or using in an enclosed space.

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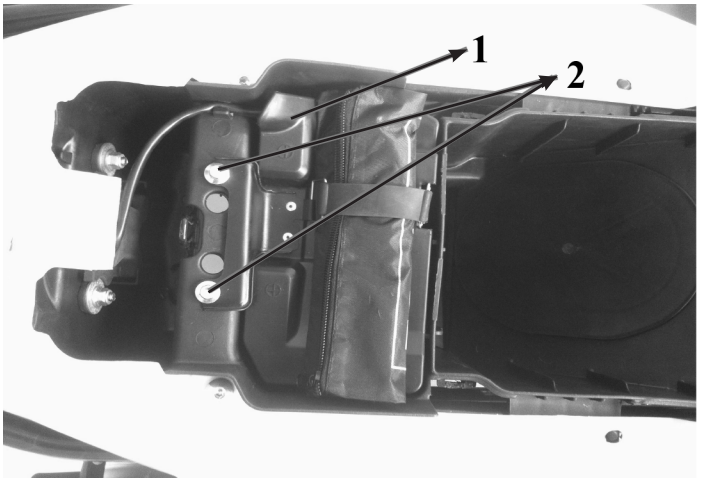
Batteries produce explosive gases. Keep sparks, flame, cigarettes or other sources of ignition away. Ventilate when charging or using in an enclosed space.

KEEP OUT OF REACH OF CHILDREN.

NOTE:
Never attempt to remove the battery cell seals, as this would permanently damage the battery.

TO REMOVE THE BATTERY
1. Remove the seat.

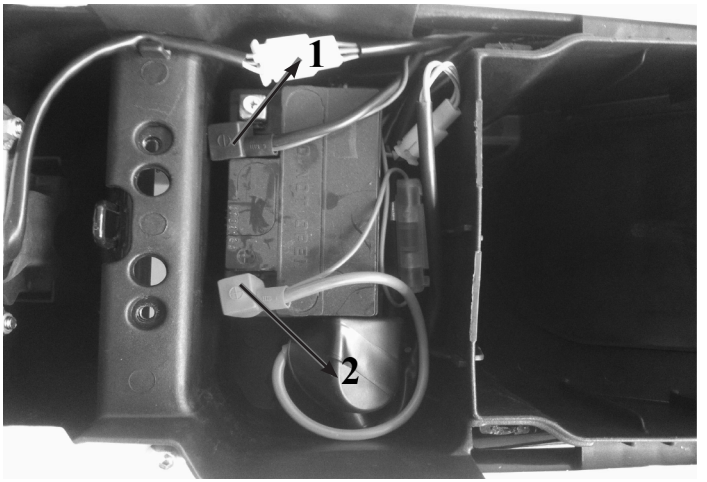
2. Unhook the band securing the owner's tool kit, and then remove the battery holding plate by removing the bolts.



1. Battery holding plate
2. Bolt

3. Disconnect the negative battery lead first, then the positive battery lead by removing their bolt.

NOTE:
When removing the battery, the main switch must be off, and the negative lead must be disconnected before the positive lead.



1. Negative battery lead (black)
2. Positive battery lead (red)

4. Pull the battery out of its compartment.

TO CHARGE THE BATTERY

Have a dealer charge the battery as soon as possible if it seems to have discharged. Keep in mind that the battery tends to discharge more quickly if the ATV is equipped with optional electrical accessories.

NOTE:

To charge a battery, a special (constant-voltage) battery charger is required. Using a conventional battery charger will damage the battery.

TO STORE THE BATTERY

- If the ATV will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place.

- If the battery will be stored for more than two months, check it at least once a month and fully charge it if necessary.

NOTE:

Always keep the battery charged. Storing a discharged battery can cause permanent battery damage.

TO INSTALL THE BATTERY

NOTE:
Be sure the battery is fully charged.

1. Place the battery in its compartment.

2. Connect the positive battery lead first, then connect the negative battery lead by installing their bolt.

NOTE:
When installing the battery, the main switch must be off, and the positive lead must be connected before the negative lead.

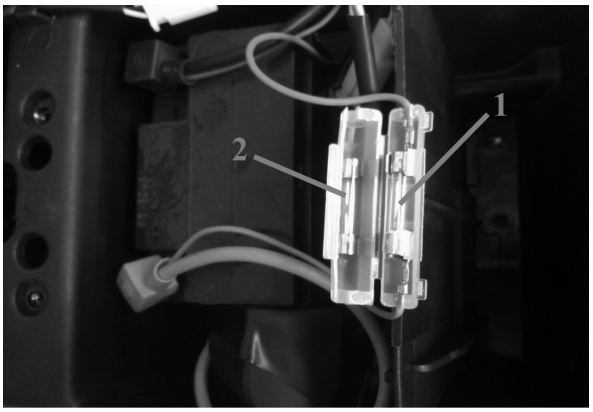
3. Install the battery holding plate by installing the bolts, and then hook the band to secure the owner's tool kit.

4. Install the seat.

NOTE:
The fuse holder is located beside the battery and can be accessed as follows:

1. Remove the seat.

2. Unhook the band securing the owner's tool kit, and then remove the battery holding plate by removing the bolts.



1. Fuse
2. Spare fuse

If the fuse is blown, replace it as follows.

1. Turn the key to “OFF” and turn off all electrical circuits.

NOTE:
To prevent accidental short-circuiting, turn off the main switch when checking or replacing a fuse.

2. Remove the blown fuse, and then install a new fuse of the specified amperage.

WARNING!
Always use a fuse of the specified rating, and never use a substitute object In place of the proper fuse. An improper fuse or substitute object can cause damage to the electrical system, which could lead to a fire.

Specified fuse:
Fuse: 10.0 A

3. Turn the key to “ON” and turn on the electrical circuits to check if the devices operate.

4. If the fuse immediately blows again, have a dealer check the electrical system.

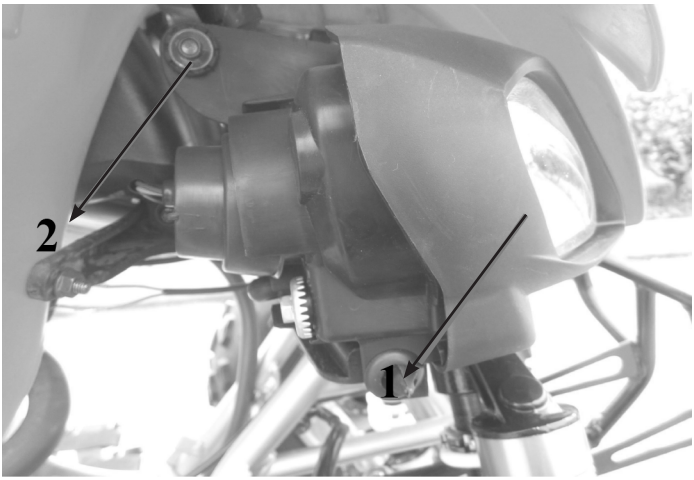
5. Install the battery holding plate by installing the bolts, and then hook the band to secure the owner’s tool kit.

6. Install the seat.

REPLACING A HEADLIGHT BULB

If a headlight bulb burns out, replace it as follows.

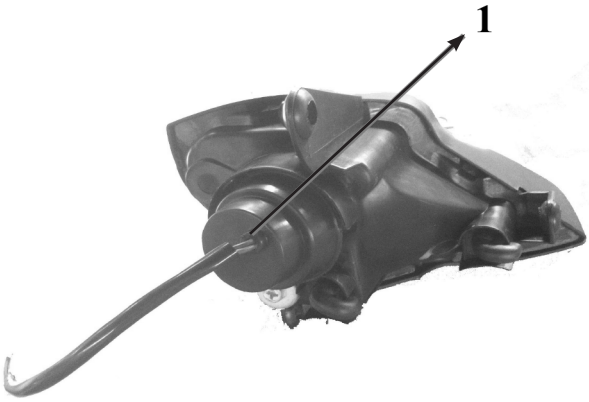
1. Remove the headlight unit by removing the bolt.



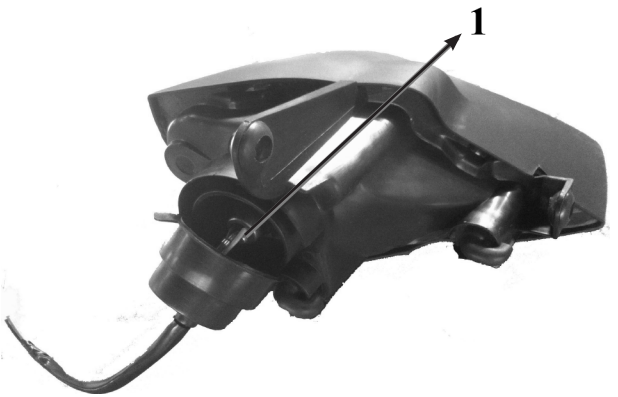
1. Headlight unit
2. Bolt

2. Disconnect the headlight coupler.

3. Remove the headlight bulb holder cover.



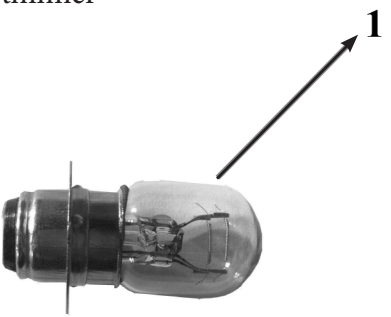
4. Remove the headlight bulb holder by pushing it in and turning it counterclockwise, and then remove the burnt-out bulb.



1. Headlight bulb holder

5. Place a new headlight bulb into position.

NOTE:
Do not touch the glass part of the headlight bulb to keep it free from oil, otherwise the transparency of the glass, the luminosity of the bulb, and the bulb life will be adversely affected. Thoroughly clean off any dirt and fingerprints on the headlight bulb using a cloth moistened with alcohol or thinner



1. Do not touch the glass part of the bulb

6. Install the headlight bulb holder by pushing it in and turning it clockwise.

7. Install the headlight bulb holder cover.

8. Connect the headlight coupler.

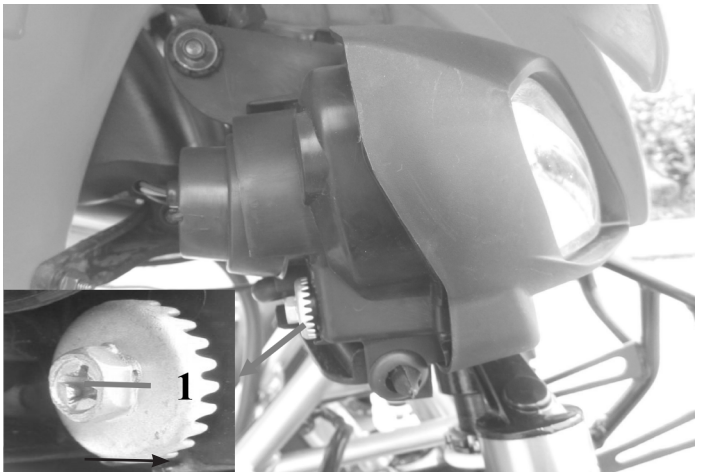
9. Install the headlight unit by installing the bolt.

10. Adjust the headlight beam if necessary.

ADJUSTING A HEADLIGHT BEAM

NOTE:
It is advisable to have a dealer make this adjustment.

To raise a headlight beam, turn the headlight beam adjusting bolt counter-clockwise. To lower a headlight beam, turn the adjusting bolt clockwise.



1. Headlight beam adjusting bolt

REPLACING THE TAIL/BRAKE LIGHT BULB

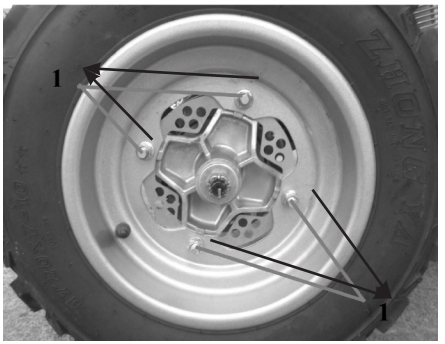
If the tail/brake light bulb burns out, have a dealer replace it.

REMOVING A WHEEL

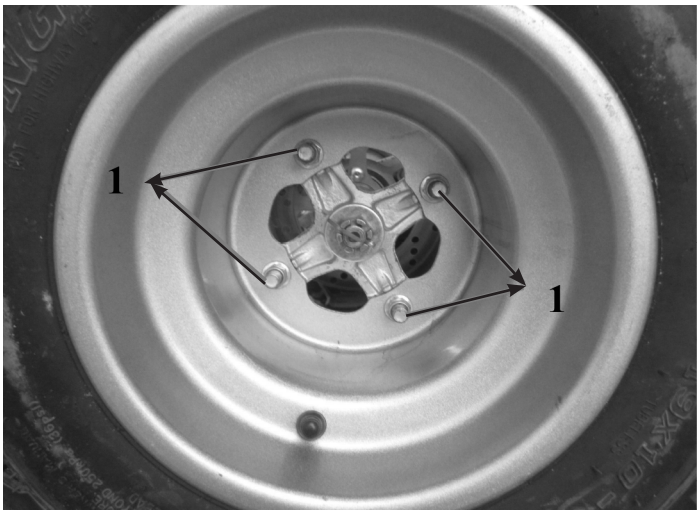
1. Place the ATV on a level surface.

2. Loosen the wheel nuts.

FRONT



REAR



1. Wheel nut

3. Elevate the ATV and place a suitable stand under the frame.

4. Remove the nuts from the wheel.

5. Remove the wheel.

NOTE:

1. Place the ATV on a level surfaces.

2. Install the wheel and nuts.

3. Lower the ATV to the ground.

4.Tighten the wheel nuts to the specified torques.

Tightening torques:

Front wheel nut: 45 Nm (4.5 m·kgf, 33 ft·lbf)
Rear wheel nut: 45 Nm (4.5 m·kgf, 33 ft·lbf)

Troubleshooting

⚠CAUTION!

It is best to consult your dealer before attempting to troubleshoot any problem. Damage may result from inappropriate repairs or adjustments. Such damage may not be covered under warranty.

This troubleshooting guide is provided to help you identify the cause of some common complaints.

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

FUEL SYSTEM CHECK

1. Make sure there is adequate fuel in the fuel tank.
2. Check that the engine stop switch is in the "RUN" position.
3. Check that the remote engine stop switch cap is installed on the remote engine stop switch.
4. Make sure there is enough fuel reaching the carburetor from the fuel tank.
a. Loosen the drain screw which is located under the carburetor and drain the fuel from the carburetor.

⚠WARNING!

Do not allow the fuel to spill. Catch the fuel in a container. Do not allow any fuel to come in contact with the hot engine or exhaust system. Extinguish any smoking materials before performing this check, and stay away from any open flames or heat sources.

b. Tighten the drain screw.
c. Remove the spark plug and pull the recoil starter.
d. Loosen the drain screw and check that the carburetor is filled back up with fuel.
e. lf it has been determined that 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. While holding the spark plug firmly against the engine, push the starter button with the engine stop switch cap is installed on the remote engine stop switch. If the ignition system is operating properly, a blue spark should jump across the park plug gap. If there is no spark, take your machine to your authorized dealer.

⚠WARNING!

Do not check for a spark unless you are certain that you know how to do it; you could get a high voltage electrical shock. When testing for a spark, do not point the spark plug near the spark plug hole. There may some fuel inside the cylinder which could be ignited. Due the possibility of electrical shock, anyone with a heart condition or pacemaker should avoid this check.

PROBLEM: 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 plug and decarbon or replace it, if necessary.
3, Make sure the fuel valve is clear. Also check the air vent hose connected to the fuel tank cap is not clogged.

⚠WARNING!

When draining the carburetor, always shut the engine off. Do not smoke, never drain, or refuel in an area where there are open flames or sparks.

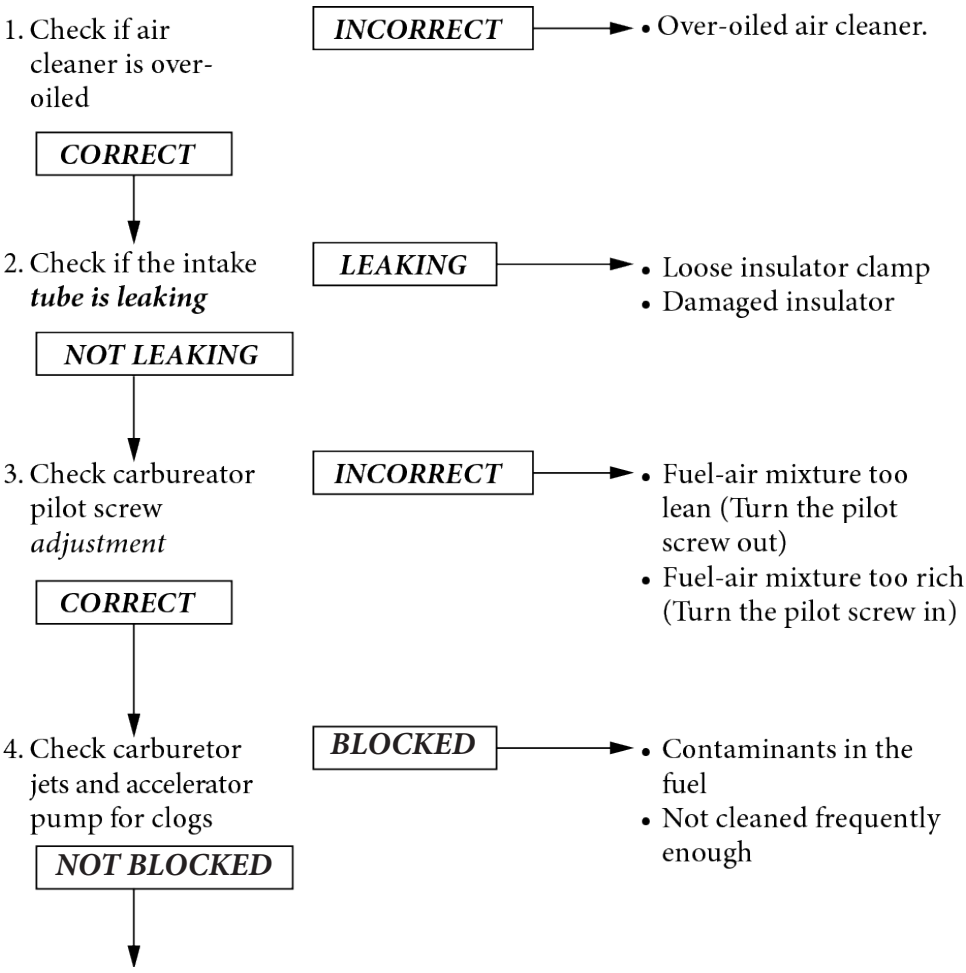
⚠WARNING!

Be sure to use a suitable container to catch the fuel out and drain from the carburetor. Do not allow the fuel to spill or you may create a fire hazard. Keep fuel out of the reach of children and pets or they may be injured.

Troubleshooting

The items that are serviceable using this manual are followed by the page number reference in parenthesis. The items that require use of the Thumpstar Manual are followed by an asterisk.

POOR PERFORMANCE AT LOW AND UNSTABLE IDLE SPEED



5. Try spark test

GOOD SPARK

WAKE OR INTERMITTENT SPARK

- Faulty, carbon or wet fouled spark pulg
- Faulty ignition control module*
- Faulty alternator*
- Faulty ignition coil*
- Broken or shorted spark plug wire.
- Faulty ignition pulse generator*.

6. Check for low compression.

CORRECT

LOW

- Ring worn
- Cylinder worn or damaged
- Piston worn or damaged
- Head gasket not sealing

POOR PERFORMANCE AT LOW AND UNSTABLE IDLE SPEED

CHECK **POSSIBLE CAUSES**

1. Disconnect fuel line at carburetor and check for clogging

UNRESTRICTED FUEL FLOW

FUEL FLOW RESTRICTED

- Lack of fuel in tank
- Clogged fuel line
- Clogged fuel fill cap breather tube
- Clogged fuel valve
- Clogged fuel filter

2. Remove air cleaner

AIR FILTER NOT DIRTY

DIRTY

- Not cleaned frequently enough

3. Install a larger carburetor main jet

CONDITION WORSE → • Jet size wrong, rejet in the opposite direction

CORRECT

4. Check carbureator jets for clogging

BLOCKED → • Contaminants in the fuel

NOT BLOCKED

5. Check valve timing

INCORRECT → • Cam sprocket not installed properly

CORRECT

6. Try spark test

WEAK OR INTERMITTENT SPARK → • Faulty, carbon or wet fouled spark pulg

GOOD SPARK

- Faulty ignition control module*
- Faulty alternator*
- Faulty ignition coil*
- Broken or shorted spark plug wire.
- Faulty ignition pulse generator*.

7. Check for low compression.

LOW → • Ring worn
- Cylinder worn or damaged
- Piston worn or damaged
- Head gasket not sealing

CORRECT

Cleaning Procedure

A thorough cleaning of your ATV is a necessary parts of Maintenance and will help keep your ATV looking and performing its best, Proper cleaning can also extend the life of your ATV.

It is important to clean and inspect your ATV after every ride if it used in mud, brush, grass. water, salt water, or every dusty conditions

The buildup of mud, brush grass, etc., especially on the engine and exhaust system. Can reduce engine cooling, conceal damage, or increase wear of certain parts, it is important to remove all debris during cleaning.

PREPARATION FOR CLEARING

Wash the ATV before any mud dries on the ATV.
Block or seal the end of the exhaust pipe using a piece of plastic wrap, cloth rag or another method to prevent water from entering the engine.
High pressure washers can damage your ATV.

⚠CAUTION!

High pressure washers such as those found at coin—operated car washes have enough pressure to damage the parts of your ATV. It may cause rust, corrosion and increase wear.

Do not sure high pressure washers to clean your ATV.

WASHING YOUR ATV

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

NOTE:
Avoid spraying or allowing water to flow over the following places:
Spark plug

Fuel tank cap
Carburetor
Snorkel air intake for air filter and carburetor (The snorkel air intake opening is located at the highest point on the ATV. Usually in front of the seat)

Use a garden hose at low pressure to remove the majority of dirt or other debris. Hand wash your ATV with a 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. Check the drain tubes on the bottom of the air filter box and drain any water than has collected in them.

⚠WARNING!

Operating ATV with best brakes can be hazardous.

Wet brakes may not provide as much stopping power as dry brakes, This could lead to an accident.

Test your brakes after washing ATV, while riding at slow speed. If necessary, apply brakes several times to let the friction dry out the linings.

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

Storage Procedure

If your ATV is to be left unused for an extended period of time, it needs special servicing requiring appropriate materials, equipment, and skill. For this reason, Company recommends that you trust this maintenance work to your dealer. If you wish to service the machine for a storage yourself, follow the general guidelines below:

VEHICLE

Place the vehicle on level ground and thoroughly clean the entire vehicle.

FUEL

Drain the fuel from the fuel tank using a commercially available hand pump or siphon. Drain the fuel from the carburetor using the carburetor drain screw

⚠WARNING!

Do not allow the fuel to spill; catch the fuel in a suitable container. Do not allow fuel to come in contact with the hot engine or exhaust system. Extinguish smoking materials before draining any fuel and stay away from any other fire or heat source. Keep pets and children away from fuel. and dispose of unwanted fuel properly.

ENGINE

Pour on tablespoon of motor oil into spark plug hole, Reinstall the spark plug and crank the engine a few times.

TIRES

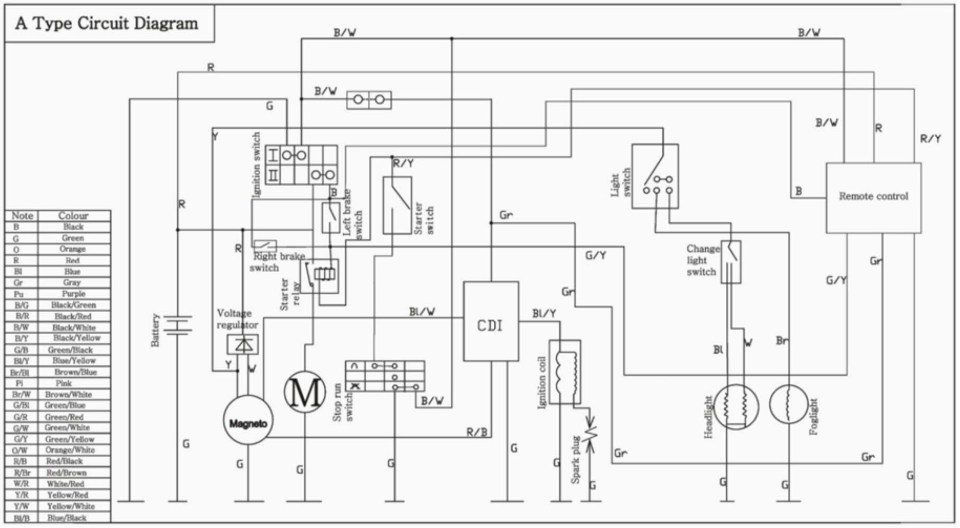
Inflate tires to normal specifications.

EXTERNAL

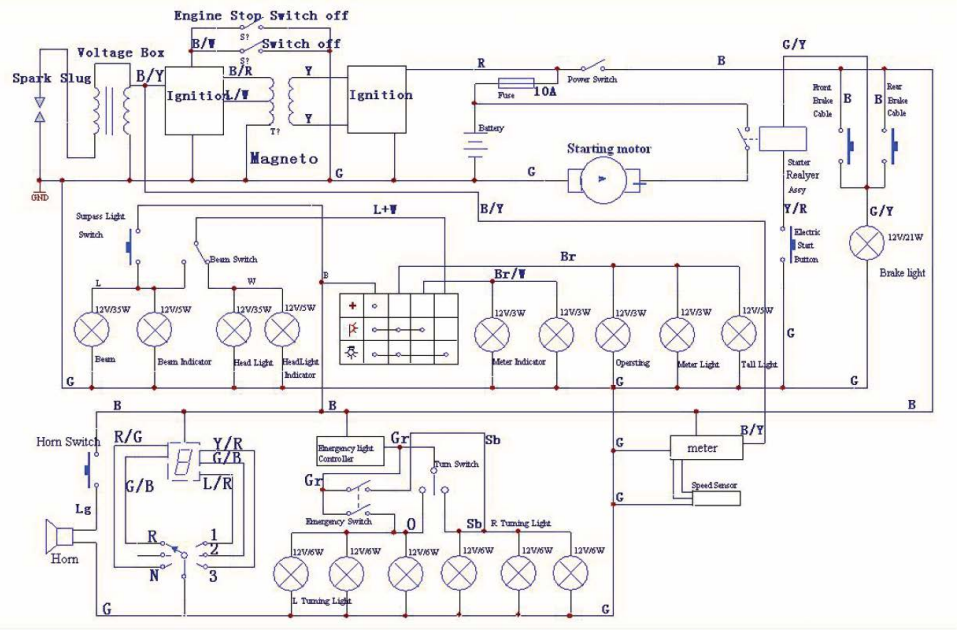
Spray all vinyl and rubber parts with rubber preservative.
Spray unpainted surfaces with rust preventative.
Coat painted surfaces with car wax.

Circuit Diagram

ATV 70



ATV 125



Appearance Care

Frequent cleaning and polishing will keep your Thumpstar looking newer longer. Frequent cleaning also identifies you as an owner who values your ATV. A clean ATV is also easier to inspect and service.

While you're cleaning, be sure to look for damage, wear, and gasoline or oil leaks.

GENERAL RECOMMENDATIONS

- To clean your ATV, you may use:
  - -Water
  - -A mild, neutral detergent and water
  - -A mild spray and wipe cleaner/polisher
  - -A mild spray and rinse cleaner/degreaser and water

- Avoid products that contain harsh detergents or chemical solvents that could damage the metal, paint, and plastic on your ATV.

- If your ATV is still warm from recent operation, give the engine and exhaust system time to cool off.

- We recommend the use of a garden hose to wash your ATV. High pressure washers (like those at coin-operated car washes) can damage certain parts of your ATV. If you use a high pressure washer, avoid spraying the following areas:
  - -air filter
  - -wheel hubs
  - -muffler outlet
  - -area under seat
  - -engine stop switch
  - -under fuel tank
  - -carburetor
  - -drive chain

NOTE:
High pressure water (or air) can damage certain parts of your ATV.

WASHING YOUR ATV WITH A MILD DETERGENT

1. Rinse your ATV thoroughly with cool water to remove loose dirt.
2. Fill a bucket with cool water. Mix in a mild, neutral detergent, such as dish washing liquid or a product made especially for washing ATV
3. Wash your ATV with a sponge or a soft towel. As you wash, check for heavy grime. If necessary, use a mild cleaner/degreaser to remove the grime.
4. After washing, rinse your ATV thoroughly with plenty of clean water to remove any residue.
5. Dry your ATV with a chamois or a soft towel. Leaving water on the surface to air dry can cause dulling and water spots. As you dry, inspect for chips and scratches.
6. Lubricate the drive chain to prevent rusting.
7. Start the engine and let it idle for several minutes. The engine heat will help dry moist areas.
8. As a precaution, ride at a slow speed and apply the brakes several times. This will help
9. dry the brakes and restore normal braking
10. performance.

EXHAUST PIPE AND MUFFLER MAINTENANCE

When the exhaust pipe and muffler are painted, do not use a commercially available abrasive kitchen cleaning compound. Use a neutral detergent to clean the painted surface on the exhaust pipe and muffler. If you are not sure if your exhaust pipe and muffler are painted, contact your dealer.

TIPS

Here's helpful advice on how to prepare for an off-road adventure, how to transport and store your Thumpstar unit, and how to be an environmentally responsible ATV owner.

Spraying WD40 or similar product on metal parts will help protect the ATV ***(never spray WD40 near the brakes)***

Preparing for a Ride

A safe and enjoyable ride begins with good planning and preparation. Always ride with at least one other person in case you have trouble, and let someone know where you're going and when you expect to return.

Before riding in an unfamiliar area, find out in advance if you need special permits, get maps so you can study the terrain, and talk to other riders who know the area. The Forest Service and the Bureau of Land Management (USA only), the Ministry of Natural Resources (Canada only), riding clubs, and off-road magazines are good sources of information.

WHAT TO TAKE TO THE RIDING AREA

Along with your ATV and riding gear, you should take along some tools and supplies in case you have a problem.

We recommend that you always take water, food, a first aid kit, and your owner's manual. Other items you should consider loading on your truck or trailer include:

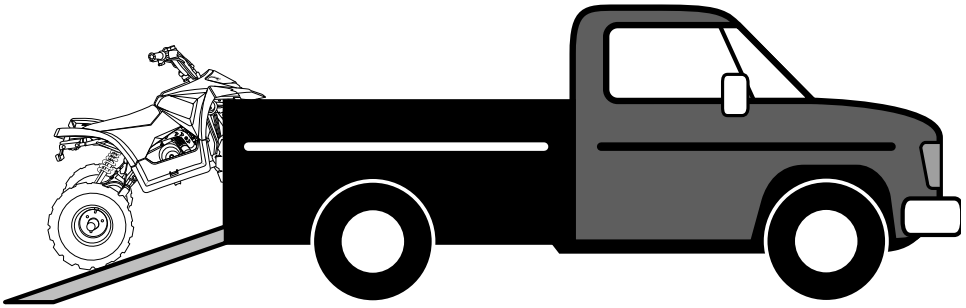
- a tool kit
- tire repair supplies and tools, tubes, and tires
- extra parts, such as a drive chain and master links, control levers, air filter, cables, and spark plugs
- wire, duct tape, and rope
- extra gasoline

For safety, all refueling should be done at a gas station on the way to the riding area or at your base camp.

Transporting your Thumpstar

If you use a truck or ATV trailer to transport your Thumpstar, we recommend that you follow these guidelines:

- Use a loading ramp.
- Make sure the fuel valve is off.
- Secure the ATV in an upright position, using tie-down straps. Avoid using rope, which can loosen and allow the ATV to fall over.



To secure your Thumpstar ATV, brace the front wheel against the front of the truck bed or trailer rail. Attach the lower ends of two straps to the tie-down hooks on your vehicle. Attach the upper ends of the straps to the handlebar (one on the right side, the other on the left), close to the fork.

WHAT TO TAKE ON THE TRAIL

What you take with you during a ride depends on the kind of terrain, how long you expect to ride, how far you might go from your base camp or help, and how experienced you or your companions are in making repairs.

If you decide to take some tools, spare parts, or other supplies on the trail, be sure you can carry them safely and know how to use them. Also, be sure to follow the loading guidelines and weight limit.

You & the Environment

Owning and riding a ATV can be enjoyable, but you must do your part to protect nature. When you show respect for the land, wildlife, and other people, you also help preserve the sport of off-road riding.

Following are tips on how you can be an environmentally responsible ATV owner.

Tread Lightly - Stay on existing roads and trails, avoid surfaces that are easily damaged, and ride only in areas approved for off-road vehicles

Keep the Noise Down - Loud ATVs can be offensive. Ride as quietly as possible, don't remove your spark arrester, and don't modify the muffler or any other part of your air intake and exhaust systems. Such modifications not only increase noise, they also reduce engine performance and may be illegal.

Choose Sensible Cleaners - Use a biodegradable detergent when you wash your ATV. Avoid aerosol spray cleaners that contain chlorofluorocarbon (CFCs) which damage the atmosphere's protective ozone layer. Don't throw cleaning solvents away; see the following guidelines for proper disposal.

Recycle wastes - It's illegal and thoughtless to put used engine oil in the trash, down a drain, or on the ground. Used oil, gasoline, and cleaning solvents contain poisons that can hurt refuse workers and contaminate our drinking water, lakes, rivers, and oceans. Before changing your oil, make sure you have the proper containers. Put oil and other toxic wastes in sepa rate sealed containers and take them to a recycling center. Call your local or state office of public works or environmental services to find a recycling center in your area and get instructions on how to dispose of non-recycla ble wastes.

Taking care of the Unexpected

With all the challenges you can encounter off-road, there's a chance that sometime something may go wrong. This section gives practical advice to help you deal with a wide range of problems. Take time to read this section before you ride.

GENERAL GUIDELINES

If something goes wrong during a ride, the first thing to do is stop as soon as you safely can. Do not continue riding if you have a flat tire, or you hear an unusual noise, or your ATV just doesn't feel right. If you continue riding, you could cause more damage and endanger your own safety.

After a stop, take time to assess the situation. Carefully inspect your ATV to identify the problem, then consider your options before you decide what to do.

If a problem is relatively minor and you have the tools, supplies, and skills to make a permanent repair, you may be able to fix it on the trail and continue riding. Or, you may be able to make a temporary repair that allows you to slowly ride back to your base where you can make a permanent repair or get help.

When a problem is more serious or you don't have the tools, supplies, experience, or time to deal with it you need to choose the safest way to get yourself and your ATV back to base. For example, if you are close enough, you (or you and another person) might be able to push it back.

Whatever the problem, the most important rules are:

- Always put personal safety first.
- If you made temporary repairs, be sure to have permanent repairs made as soon as possible.
- Do not continue riding if you are hurt or your ATV is not in safe riding condition.

Additional recommendations for specific problems follow.

IF YOUR ENGINE QUITS OR WON'T START

If you have a problem starting the engine or experience poor engine performance the following information may help you. If you can't correct the problem, see or talk to your Thumpstar **Certified Motorcycle Mechanic**.

SYMPTOM	Engine starts, but runs poorly.
POSSIBLE CAUSE	WHAT TO DO
idles roughly, too fast, stalls	Check engine idle adjustment. Check fuel hose is not blocked. If the problem persists, see or talk to your Thumpstar **Certified Motorcycle Mechanic**.
runs erratically, misfires	See or talk to your Thumpstar **Certified Motorcycle Mechanic**.
blubbers (rich fuel mixture)	See or talk to your Thumpstar **Certified Motorcycle Mechanic**.
sooty exhaust (rich fuel mixture)	See or talk to your Thumpstar **Certified Motorcycle Mechanic**.
detonates or pings under load	If applicable, switch to the recommended octane gasoline or change your brand of gasoline. If the problem persists, see your **Certified Motorcycle Mechanic**.
after-fires (backfires)	See or talk to your Thumpstar **Certified Motorcycle Mechanic**.
pre-ignition (runs on after ignition switched OFF)	See or talk to your Thumpstar **Certified Motorcycle Mechanic**.

SYMPTOM	Fuel leaks from carburetor overflow
POSSIBLE CAUSE	WHAT TO DO
float not adjusted right	Remove carburetor and adjust float correctly
debris blocking fuel shut-off valve	Remove carburetor and clean the jet

SYMPTOM	Does not start
POSSIBLE CAUSE	WHAT TO DO
faulty kill switch	Disconnect kill switch
no fuel	Check carburetors getting fuel by removing drain screw
no spark	Remove spark plug and do a spark test

IF YOU HAVE A FLAT TIRE

How you handle a flat tire on the trail depends on how serious the tube or tire damage is, and what tools and supplies you have with you.

If you have a slow leak or a minor puncture, there are two ways to try making a temporary repair:

- Use an aerosol tire sealer to seal the puncture and inflate the tube. (This can be done without removing the tire or wheel.)

- Use a tube patch kit to repair the puncture. (This requires removing the tire.)

If the leak is more serious, or a temporary repair doesn't hold, the tube must be replaced. The tire will also need to be replaced if it is damaged. Replacing a tube or tire involves removing and re-installing the wheel.

If you are unable to repair a flat tire on the trail, you will need to push the ATV back to your base or send for help. We strongly recommend that you do not try to ride with a flat tire. The ATV will be hard to handle, and if the tire comes off the rim, it may lock up the wheel and cause you to crash.

⚠ WARNING

Riding your ATV with a temporary tire repair can be risky. If the temporary repair fails, you can crash and be seriously injured or killed. If you must ride with a temporary tire repair, ride slowly and carefully until the tire is permanently repaired or replaced.

IF YOU CRASH

Personal safety is your first priority after a crash. If you or anyone else has been injured, take time to assess the severity of the injuries and whether it is safe to continue riding. If you cannot ride safely, send someone for help. Do not ride if you will risk further injury.
If you decide that you are capable of riding safely, first evaluate the condition of your ATV. If the engine is still running, turn it off and look it over carefully; inspect it for fluid leaks, check the tightness of critical nuts and bolts, and secure such parts as the handlebar, control levers, brakes, and wheels.
If there is minor damage, or you are unsure about possible damage but decide to try riding the ATV back to your base, ride slowly Personal safety is your first priority after a and cautiously.
Sometimes, crash damage is hidden or not immediately apparent. When you get home, thoroughly check your ATV and correct any problems you find. Also, be sure to have your **Certified Motorcycle Mechanic** check the frame and suspension after any serious crash.

IF A COMPONENT FAILS

The drive chain, master link, brake lever or pedal, control cables, and other components can be damaged as you ride in dense brush or over rocky terrain. Making a trailside repair depends on how serious the damage is and what tools and supplies you have with you.

- If the drive chain comes off because the master link clip gets knocked off, you may be able to put the chain back on with a new master link. However, if the chain brakes or does other damage when it comes off, you may not be able to make a trailside repair.
- If any component of the front brake system is damaged, you may be able to ride carefully back to your base using the rear brake for slowing or stopping.
- If you damage a throttle cable or other critical component, your ATV may be unsafe to ride. Carefully assess the damage and make any repairs that you can. But if there is any doubt, it's best to be conservative and safe.

Technical Information

This section contains technical information by how to identify your ATV

VIN PLATE

ENGINE NUMBER

VIN: Vehicle Identification Number is a serial number to identify your Thumpstar

Engine: The first 6-7 digit is the engine model number, usually letters and numbers which purpose is for spare parts and detailed specifications. The 2nd group of numbers usually 9 digit is similar to your VIN which is a serial number to identify your particular engine.

"1P44FZB" engine model "160726227" engine serial number

Model No: To identify the model of your Thumpstar

Displacement: Engine size of your Thumpstar

Version No: To identify which version your model is, Thumpstar models are categorized by version number rather than by model year, so to find the correct OEM parts you will need the version number.

Tip: if a model is a version 1, 1.1, 1.2, 1.3 they are all in the same version family, meaning that 95% of the spare parts will be the same, usually a change in color or minor part like carburetor or exhaust system. If is a version 2, 2.1 then major components have been changed like plastics, frame or engine.

Max Weight: Maximum weight a rider can be to operate this motorcycle

Net Weight: The total weight of your motorcycle.

Date: This is the date of manufacture and does not determine the model year or version number

Specification

ATV 70

ENGINE AND TRANSMISSION

Engine	Single Cylinder | 4 Stroke | Air Cooled
CC Rating	70cc
Gearbox	Automatic
Starter	Electric Start
Carburetor	PZ19
Exhaust	Standard 28mm Exhaust System
Final Drive	428 Chain

SUSPENSION, BRAKES AND WHEELS

Suspension Front	320mm
Suspension Rear	270mm
Brakes Front	Drum
Brakes Rear	Disc | Single Piston | Dual Park Brake
Wheel & Tyre Front	Steel Rim | Tubeless | 145/70 - 6”
Wheel & Tyre Rear	Steel Rim | Tubeless | 145/70 - 6”

DIMENSIONS AND WEIGHT

Wheelbase	830mm | 33”
Seat Height	620mm | 24”
Carton Dimensions	1200×760×640mm | .60m3
Weight (n.w/g.w)	85kgs
Tank Capacity	4.3 Litres | 1.1gallon

NOTE:
For full ATV 70 Manual please check ATV 70 product page or database at the Thumpstar Website.

Specification

ATV 125

ENGINE AND TRANSMISSION

Engine	Zongshen | 4 Stroke | 10hp
CC Rating	125cc
Gearbox	Semi Auto | 5 speed(RN123)
Starter	Electric Start
Carburetor	22mm
Exhaust	Standard 28mm Exhaust System
Final Drive	428 Chain

SUSPENSION, BRAKES AND WHEELS

Suspension Front	320mm
Suspension Rear	270mm
Brakes Front	Drum
Brakes Rear	Disc | Single Piston | Dual Park Brake
Wheel & Tyre Front	Steel Rim | Tubeless | 19x7.00 - 8”
Wheel & Tyre Rear	Steel Rim | Tubeless | 18x9.50 - 8”

DIMENSIONS AND WEIGHT

Wheelbase	1000mm | 39”
Seat Height	700mm | 28”
Carton Dimensions	1200×760×640mm | .60m3
Plastics/Graphics	MADIX
Weight (n.w/g.w)	105/120kg | 231/264
Tank Capacity	4.3 Litres | 1.1gallon

NOTE:
For full ATV 125 Manual please check ATV 125 product page or database at the Thumpstar Website.

ATV 250

ENGINE AND TRANSMISSION

Engine	ZS169FMM
CC Rating	250cc
Gearbox	Manual
Starter	Electrical Start
Carburetor	PZ30
Exhaust	Standard 28mm Exhaust System

SUSPENSION, BRAKES AND WHEELS

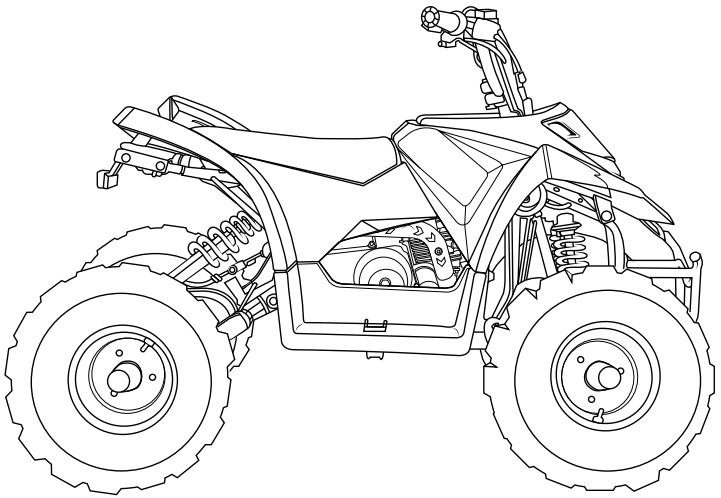
Suspension Front	350mm
Suspension Rear	390mm
Brakes Front	Hydraulic Disc
Brakes Rear	Hydraulic Disc
Wheel & Tyre Front	20x7.00 - 10”
Wheel & Tyre Rear	19x10.00 - 9”

DIMENSIONS AND WEIGHT

Wheelbase	1090mm | 43”
Seat Height	790mm | 31”
Carton Dimensions	1625×1060×1065mm | 1.83m3
Weight (n.w/g.w)	117kg | 158kg
Tank Capacity	9 Litres | 2.4 Gallon

NOTE:
For full ATV 250 Manual please check ATV 250 product page or database at the Thumpstar Website.

SPARE PART CATALOGUE | ATV70



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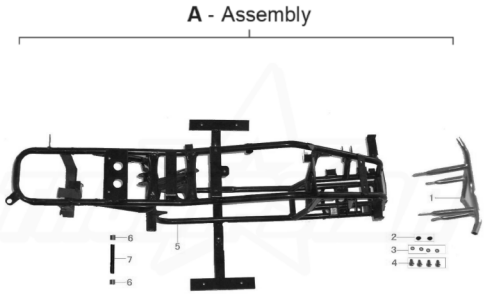
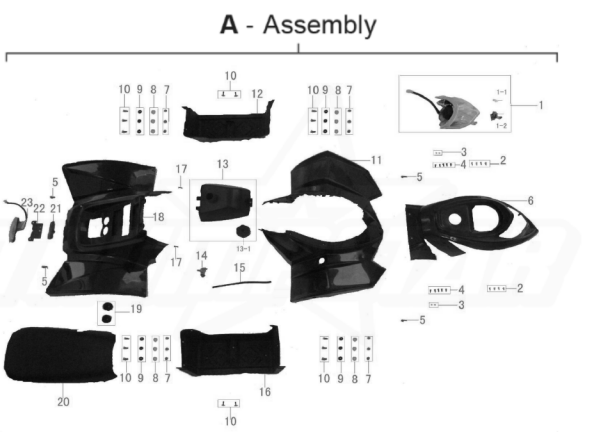


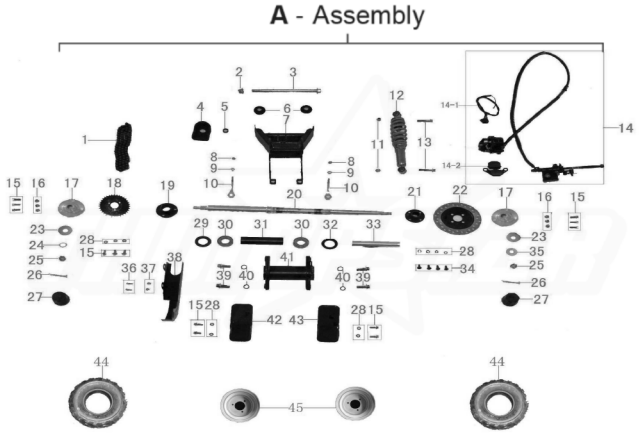
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
A		Complete Assembly		[1]	
1	1.4.06.0020	bumper	1	保险杠	
2	1.4.02.1010	Bumper block	2	保险杠堵头	
3	0.04.00710	WASHER 8	4	弹垫8 发黑	
4	0.01.05120	Bolt M8*16 yellow zinc plated	4	螺栓M8*16 镀彩锌	
5	1.1.06.0012	frame	1	车架	
6	1.3.02.0050	spacer washer for rear swingarm	2	后平叉减震套	
7	1.3.06.0030	sleeve for rear swingarm	1	后平叉内衬管	

PLASTIC COVERS



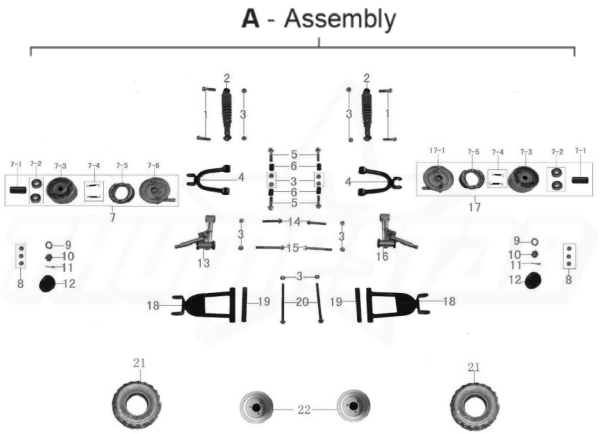
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
A		Complete Assembly		[2]	
1	5.2.06.0010	headlight	1	前大灯	
1-1	5.2.02.0110	bulb for small headlight	2	小灯灯泡	
1-2	5.2.06.0020	bulb for big headlight	1	前大灯灯泡	
2	0.02.02650	cross recess head screw ST4.2*14	8	十字槽盘头自攻螺钉ST4.2*14 镀白锌	
3	0.04.01650	washer 4	4	垫片4 镀白锌	
4	0.02.02650	cross recess head screw ST4.8*14	10	十字槽盘头自攻螺钉ST4.2*14 镀白锌	
5	0.01.00420	bolt M6*16 yellow zinc plated	2	螺栓 M6x16 镀彩锌	
6	6.2.06.005001	front panel (black)	1	前面板(黑)	
	6.2.06.005003	front panel (red)	1	前面板（红）	
7	0.03.02920	Nut M6	12	螺母M6(防滑)	
8	0.04.00150	washer 6	12	垫片6 镀白锌	
9	6.2.02.0130	307 rubber washer	12	307橡胶垫	
10	8.1.02.0030	mashroom head bolt M6*16	16	大扁头螺栓M6*16	
11	6.2.06.003001	front body cover (black)	1	前车衣主体(黑)	
	6.2.06.003002	front body cover (red)	1	前车衣主体(红)	
12	6.2.06.0010	footrest left	1	左脚踏板	
13	2.9.06.0010	fuel tank assy	1	油箱总成	
13-1	2.9.06.0020	fuel tank cap	1	油箱盖	
14	2.9.06.0030	switch for fuel tank	1	油箱开关	
15	2.9.02.0030	fuel pipe	1	油管	
16	6.2.06.0020	footrest right	1	右脚踏板	
17	0.01.00420	bolt M6*16 yellow zinc plated	2	螺栓 M6x16 镀彩锌	
18	6.2.06.004001	rear body cover (black)	1	后车衣主体(黑色)	
	6.2.06.004002	rear body cover (red)	1	后车衣主体(红)	
19	6.1.04.0020	washer for seat	2	坐垫避震块	
20	6.1.06.0010	seat	1	坐垫	
21	5.2.02.0050	rear reflector (red)	1	后反射器(红)	
22	1.4.02.0040	bracket for taillight	1	尾灯安装支架	
23	5.2.02.0011	taillight	1	后尾灯	

REAR SWINGARM



POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
A		Complete Assembly			
1	2.3.02.0030 [3]	chain 420-76	1	链条420-76	
2	0.03.00850	nut M14*1.4	1	螺母M14*1.4 镀白锌	
3	1.3.06.0051	Bolt M14*1.5*230 for rear swingarm	1	后平叉安装螺栓M14*1.5*230	
4	4.1.06.0140	abrasion-resistant cover	1	防磨套	
5	4.1.06.0150	spacer washer abrasion-resistant cover	1	防磨套衬套	
6	1.2.02.0081	Steel sheet washer	2	皮钢垫圈	
7	1.3.06.0011	rear swingarm	1	后平叉	
8	0.03.02250	locknut M8	2	锁紧螺母M8 镀白锌	
9	0.04.00350	washer 8	2	垫片8 镀白锌	
10	4.1.03.0120	rear jack	2	千斤	
11	0.03.00520	Nut M10*1.25	2	螺母M10*1.25 镀彩锌	
12	4.2.06.0021 [4]	Rear shock absorber	1	后减震	
13	0.01.07420	Bolt M10*1.25*42	2	螺栓M10*1.25*42 镀彩锌	
14	4.3.02.0013 [5]	rear hydraulic disc brake	1	后液压碟刹	
14-1	5.3.02.0250	cable for brake switch	1	刹车开关线束	
14-2	4.3.02.0030	brake pads	1 set(2 Pcs)	碟刹摩擦片	
15	0.01.00920	bolt M8*20 yellow zinc plated	13	螺栓M8*20 镀彩锌	
16	0.03.00120	nut M8 yellow zinc plated	6	螺母M8 镀彩锌	
17	4.1.02.0251	rear wheel hub	2	后轮毂	
18	4.1.02.1310	sprocket 420-37	1	链轮盘420-37	
19	4.1.02.0031	Housing for sprocket	1	链轮盘座	
20	4.1.02.0012	rear axle	1	后轴	
21	4.1.02.0061	seat for brake disc	1	刹车盘座	
22	4.1.02.0073	brake disc	1	刹车盘	
23	4.1.02.0130	dustproof washer	2	防尘垫片	
24	0.04.03050	washer 14*28*2	1	垫片14*28*2 镀白锌	
25	0.03.01620	slotted nut M14*1.5	2	开槽螺母M14*1.5 镀彩锌	
26	0.08.02100	cotter pin 2.5*30	2	开口销2.5*30	

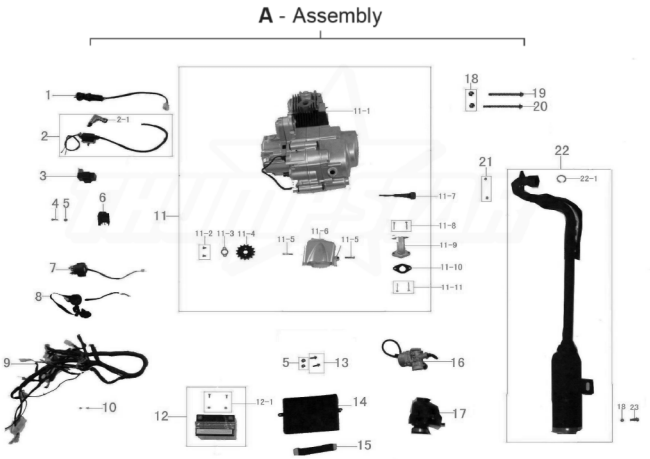
FRONT SUSPENSION



POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
A		Complete Assembly		[6]	
1	0.01.07420	Bolt M10*1.25*42	4	螺栓M10*1.25*42 镀彩锌	
2	4.2.06.0011	front shock absorber	2	前减震	
3	0.03.00520	Nut M10*1.25	14	螺母M10*1.25 镀彩锌	
4	1.3.02.0010	Up A-arm	2	上摇臂	
5	0.01.05620	Bolt M10*1.25*45	4	螺栓M10*1.25*45 镀彩锌	
6	1.3.02.0070	Sleeve for top A-arm	4	上摇臂内衬管	
7	4.3.02.0180 [7]	front left drum brake assy	1	左前鼓刹组件	
7-1	4.1.02.0221	sleever for front wheel hub	2	前轮毂内衬管	
7-2	0.05.01400	modified bearing 6003Z	4	轴承6003Z	
7-3	4.3.02.0130	front drum brake body	2	前毂刹体	
7-4	4.3.02.0160	sping for front drum brake	4	前毂刹弹簧	
7-5	4.3.02.0070	brake shoes for front drum	4	前轮毂刹摩擦片	
7-6	4.3.02.0140	left side cover of drum brake	1	毂刹左盖	
8	0.03.00120	nut M8 yellow zinc plated	6	螺母M8 镀彩锌	
9	0.04.03050	washer 14*28*2	2	垫片14*28*2 镀白锌	
10	0.03.01620	slotted nut M14*1.5	2	开槽螺母 M14x1.5 镀彩锌	
11	0.08.02100	cotter pin 2.5*30	2	开口销2.5*30	
12	4.1.02.0100	dustproof cover for wheel	2	防尘套	
13	3.1.06.0020 [8]	Y-bone left	1	左羊角组件	
14	0.01.04620	Bolt M10*1.25*55	2	螺栓M10*1.25*55 镀彩锌	
15	0.01.04320	Bolt M10*1.25*85	2	螺栓M10*1.25*85 镀彩锌	
16	3.1.06.0030 [9]	Y-bone right	1	右羊角组件	
17	4.3.02.0190 [10]	right drum brake assy	1	右前鼓刹组件	
17-1	4.3.02.0150	right cover for drum brake	1	毂刹右盖	
18	1.3.06.0021	down A-arm	2	下摇臂	
19	1.3.03.0050	sleeve for down A-arm	2	下摇臂内衬管	
20	0.01.07220	Bolt M10*1.25*155	2	螺栓M10*1.25*155 镀彩锌	
21	4.1.02.0180	front tyre 16/8-7	2	前轮胎16/8-7	
22	4.1.02.0490	rim 7"	2	轮辋(7寸)	

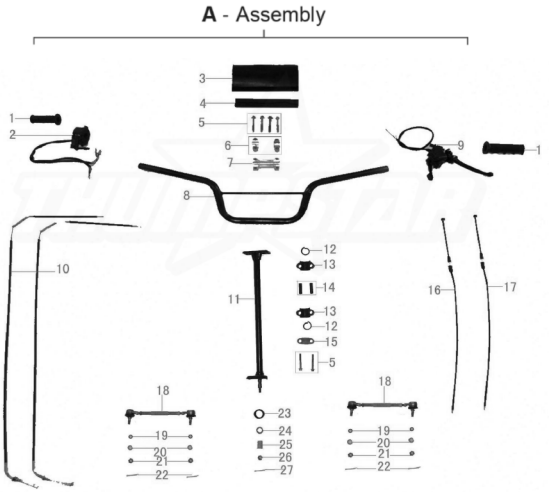
Spare Part Catalogue

ELECTRICALS



POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
A		Complete Assembly		[11]	
1	5.3.02.0370 [12]	key switch	1	电门锁	
2	5.3.04.0092	voltage	1	高压包	
2-1	5.3.04.5000	cap for voltage	1	高压包帽	
3	5.3.02.0070	ignition	1	点火器	
4	0.01.00320	Bolt M6*12	1	螺栓M6*12 镀彩锌	
5	0.03.00220	nut M6	1	螺母M6(防滑)	
6	5.3.02.0081 [13]	regulator	1	稳压器	
7	5.3.02.0050	relay	1	继电器	
8	5.3.02.0062	emergency switch	1	紧急熄火开关	
9	5.3.06.0015	main cable	1	电缆总成	
10	5.3.02.0290	fuse	1	保险丝	
11	2.1.02.0024	70cc engine	1	90cc自动波发动机	
11-1		engine assembly	1	发动机组件(裸机)	
11-2	380070004-0001	Bolt M6*8	2	螺栓M6*8 镀彩锌 8.8级	
11-3	0.04.04930	washer for gear	1	小飞安装垫片	
11-4	2.1.02.1160	flywheel 420-14	1	小飞420-14	
11-5	0.01.00500	bolt M6*32	2	螺栓M6*32 镀白锌 8.8级	
11-6	7.6.0033	engine side cover	1	发动机链条盖	
11-7	2.1.02.1320	oil level gauge	1	机油尺	
11-8	0.01.11350	bolt M6*20	2	螺栓M6*20 镀白锌 8.8级	
11-9	2.8.02.0021	intake pipeXS60	1	进气管XS60	
11-10	7.6.9004	rubber washer for intake pipe	1	进气管胶垫	
11-11	380070080-0005	BOLT,HEXAGONAL WITH FLANGE	2	六角头螺栓	
12	5.3.21.0040 [14]	battery (12V 9AH)	1	电池 (12V 9AH)	
12-1	7.6.9003	bolt for the battery	1 set(2pcs)	电池安装螺栓	
13	0.01.00420	bolt M6*16	1	螺栓M6*16 镀彩锌	
14	6.2.06.0060	battery cover	1	电池盒盖	
15	6.2.07.0060	belt for battery	1	电池扣带	
16	2.8.03.0013	carburetor PZ19L-037e	1	化油器PZ19L-037e	
17	2.5.03.1000	airfilter	1	空滤器	
18	0.03.00120	Nut M8	3	螺母M8 镀彩锌	
19	0.01.15520	Bolt M8*105	1	螺栓M8x105 镀彩锌	
20	0.01.05920	Bolt M8*110	1	螺栓M8x110 镀彩锌	
21	0.03.02350	Nut M6	4	螺母 M6(加厚) 镀白锌	
22	2.4.06.0012	muffler	4	消音器	
22-1	2.4.03.0021	seal	1	石棉垫	
23	0.01.05120	Bolt M8*16 yellow zinc plated	1	螺栓M8*16 镀彩锌	

STEERING



POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
A		Complete Assembly			
1	4.4.02.0030	handle cover(L/R) (black)	2	把手套（黑）	
2	5.3.02.0010 [15]	Function buttion	1	多功能开关	
3	7.5.02.4180 [16]	Foam cover 18CM（black with GOES)	1	商标棒皮18CM(黑色. 印GOES)	
4	7.5.02.1750	Foam	1	商标海绵芯	
5	0.01.04720	Bolt M8*55	6	螺栓M8*55 镀彩锌	
6	4.4.01.0030	HANDLE BAR CLAMP TOP	2	方向把上压块	
7	4.4.01.0050	HANDLE BAR CLAMP BOTTOM	1	方向把下压块	
8	4.4.06.0011	Handble bar	1	方向把	
9	4.3.02.0121 [17]	brake lever	1	小孩子刹把	
10	4.5.02.0034	front brake cable	2	刹车拉索	
11	1.2.06.0011	steering assy	1	方向柱	
12	1.2.02.0050	dustproof seal	2	防尘油封	
13	1.2.02.0020	clipper for steering pole	2	方向柱固定夹	
14	1.2.02.0040	sleeve for clipper	2	方向柱固定隔套	
15	1.2.06.0020	fixing panel for steering pole	2	方向柱固定片	
16	4.5.02.0020	choke cable	1	风门拉索	
17	4.5.02.0011 [18]	throttle cable	1	油门拉索	
18	3.1.03.0030	tie rod	2	转向拉杆	
19	0.04.00810	WASHER 10	4	弹垫10 发黑	
20	0.04.00450	washer 10	4	垫片10 镀白锌	
21	0.03.01820	slotted nut M10*1.25	4	开槽螺母M10 镀彩锌	
22	0.08.02100	cotter pin 2.5*30	4	开口销2.5*30	
23	1.2.02.0070	dustproof cover for steering pole	1	方向柱油封	
24	0.04.03050	washer14*28*2	1	垫片14*28*2 镀白锌	
25	1.2.02.0060	PU cover	1	PU套	
26	0.03.01820	slotted nut M10*1.25	1	开槽螺母M10*1.25 镀彩锌	
27	0.08.02100	cotter pin 2.5*30	1	开口销2.5x30	

FA-A SERIES OPTIONAL ACCESSORIES

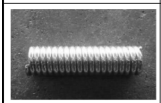
REMOTE CONTROL ALARM

	PART NO.	QTY	ENGLISH NAME	NAME
	5.4.04.0070	1	Remote control	遥控器
	5. 4. 04. 0060	1	Horn for remote control	报警器
	7. 5. 06. 0550	1(set)	Sticker (only for GOES 90XS)	贴花

CHARGING KIT

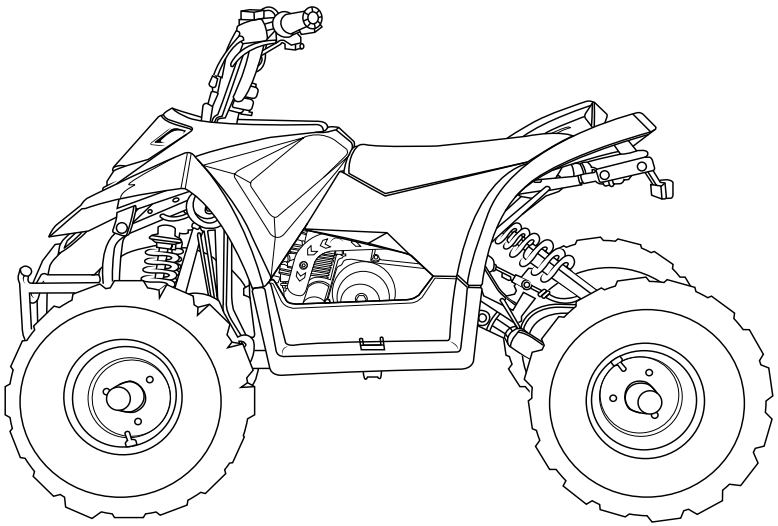
	PART NO.	QTY	ENGLISH NAME	NAME
	5.3.02.0160	1	charging mouth	充电插口
	5.3.02.0181	1	rubber cover for charging (red)	充电插口胶盖
	5.3.02.0220	1	charger	充电器

FLAG

	PART NO.	QTY	ENGLISH NAME	NAME
	1. 1. 02. 0040	1	flag pole	旗杆
	1. 1. 02. 0070	1	flag	三角红旗
	1. 1. 02. 0080	1	bottom spacer bush	旗杆上固定套
	1. 1. 02. 0090	1	bottom spacer bush	旗杆下固定套
	1. 1. 02. 0110	1	spring for flag pole	扫雷旗杆弹簧

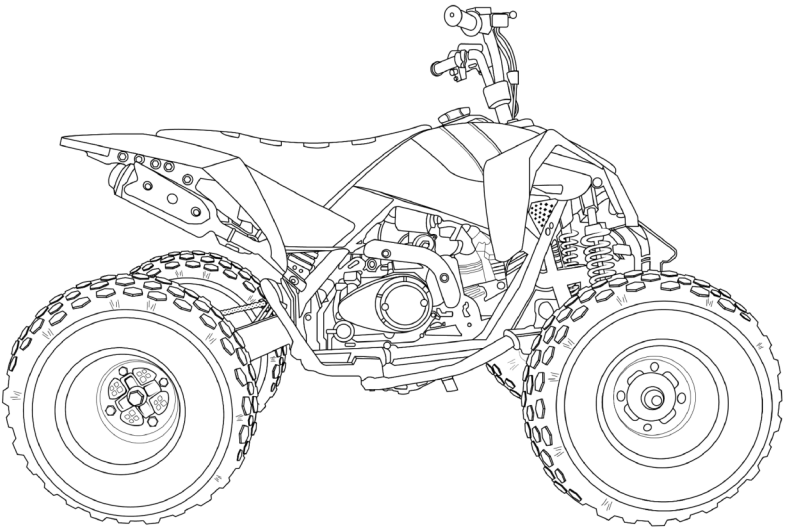
FRONT HYDRAULIC DISC BRAKE ASSYMBLY				
	PART NO.	QTY	ENGLISH NAME	NAME
	1.1.02.0040	1	flag pole	旗杆
	1.1.02.0070	1	flag	三角红旗
	1.1.02.0080	1	bottom spacer bush	旗杆上固定套
	1.1.02.0090	1	bottom spacer bush	旗杆下固定套
	1.1.02.0110	1	spring for flag pole	扫雷旗杆弹簧
	1.1.02.0090	1	bottom spacer bush	旗杆下固定套
	1.1.02.0110	1	spring for flag pole	扫雷旗杆弹簧
7" WHEEL				
	PART NO.	QTY	ENGLISH NAME	NAME
	4.1.02.0180	1	tyre16/8-7	轮胎16/8-7
	4.1.02.0490	1	front rim 7"	前轮辋(7寸)
	4.1.02.0500	1	rear rim 7"	后轮辋(7寸)
SPROCKET KIT				
	PART NO.	QTY	ENGLISH NAME	NAME
	4.1.02.1310	1	Sprocket 420-37	链轮盘
	2.3.02.0030	1	Chain420-76	链条

OPTIONAL COLORS OF THE BODY COVERS					
POS.	PART NO.	ENGLISH NAME	QTY	NAME	CONDITION
1	6.2.06.003002	front body cover (red)	1	前车衣主体(红)	WY-02
2	6.2.06.003003	front body cover (blue)	1	前车衣主体(兰)	WY-03
3	6.2.06.003006	front body cover (burgundy)	1	前车衣主体(酒红)	WY-06
4	6.2.06.003007	front body cover (silver)	1	前车衣主体(银色)	
5	6.2.06.003010	front body cover (pink)	1	前车衣主体(粉红色)	WY-10
6	6.2.06.003011	front body cover (matte leaf camo)	1	前车衣主体(枫叶亚光迷彩)	WY-A
7	6.2.06.003012	front body cover (light leaf camo)	1	前车衣主体(枫叶亮光迷彩)	WY-B
8	6.2.06.003015	front body cover (army green)	1	前车衣主体(军绿迷彩)	WY-E
9	6.2.06.003016	front body cover (blue/white camo)	1	前车衣主体(蓝白迷彩)	WY-F
10	6.2.06.003017	front body cover (blue/grey camo)	1	前车衣主体(蓝灰迷彩)	
11	6.2.06.003018	front body cover (pink camo)	1	前车衣主体(粉红迷彩)	WY-H
12	6.2.06.003021	front body cover (yellow leaf camo)	1	前车衣主体(枫叶迷彩)	WY-K
13	6.2.06.003029	front body cover (bright yellow)	1	前车衣主体(嫩黄)	WY-15
14	6.2.06.004002	rear body cover (red)	1	后车衣主体(红)	WY-02
15	6.2.06.004003	rear body cover (blue)	1	后车衣主体(兰)	WY-03
16	6.2.06.004006	rear body cover (burgundy)	1	后车衣主体(酒红)	WY-06
17	6.2.06.004007	rear body cover (silver)	1	后车衣主体(银色)	
18	6.2.06.004010	rear body cover (pink)	1	后车衣主体(粉红色)	WY-10
19	6.2.06.004011	rear body cover (matte leaf camo)	1	后车衣主体(枫叶亚光迷彩)	WY-A
20	6.2.06.004012	rear body cover (light leaf camo)	1	后车衣主体(枫叶亮光迷彩)	WY-B
21	6.2.06.004015	rear body cover (army green)	1	后车衣主体(军绿迷彩)	WY-E
22	6.2.06.004016	rear body cover (blue/white camo)	1	后车衣主体(蓝白迷彩)	WY-F
23	6.2.06.004017	rear body cover (blue/grey camo)	1	后车衣主体(蓝灰迷彩)	
24	6.2.06.004018	rear body cover (pink camo)	1	后车衣主体(粉红迷彩)	WY-H
25	6.2.06.004021	rear body cover (yellow leaf camo)	1	后车衣主体(枫叶迷彩)	WY-K
26	6.2.06.004029	rear body cover (bright yellow)	1	后车衣主体(嫩黄)	WY-15
27	6.2.06.005002	front panel (red)	1	前面板(红)	WY-02
28	6.2.06.005003	front panel (blue)	1	前面板(兰)	WY-03
29	6.2.06.005006	front panel (burgundy)	1	前面板(酒红)	WY-06
30	6.2.06.005007	front panel (silver)	1	前面板(银色)	
31	6.2.06.005010	front panel (pink)	1	前面板(粉红色)	WY-10
32	6.2.06.005011	front panel (matte leaf camo)	1	前面板(枫叶亚光迷彩)	WY-A
33	6.2.06.005012	front panel (light leaf camo)	1	前面板(枫叶亮光迷彩)	WY-B
34	6.2.06.005015	front panel (army green)	1	前面板(军绿迷彩)	WY-E
35	6.2.06.005016	front panel (blue/white camo)	1	前面板(蓝白迷彩)	WY-F
36	6.2.06.005017	front panel (blue/grey camo)	1	前面板(蓝灰迷彩)	
37	6.2.06.005018	front panel (pink camo)	1	前面板(粉红迷彩)	WY-H
38	6.2.06.005021	front panel (yellow leaf camo)	1	前面板(枫叶迷彩)	WY-K
39	6.2.06.005029	front panel (bright yellow)	1	前面板(嫩黄)	WY-15

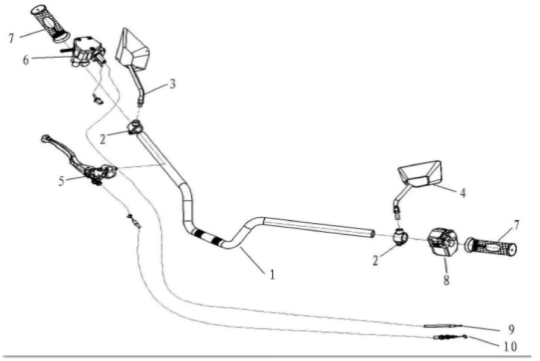


NOTE:
For full ATV 70 Manual please check ATV 70 product page or database at the Thumpstar Website.

SPARE PART CATALOGUE | ATV125

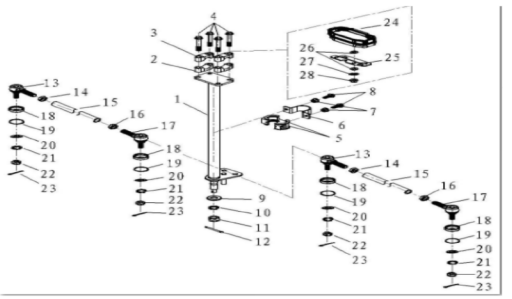


HANDLE BAR COMPONENT



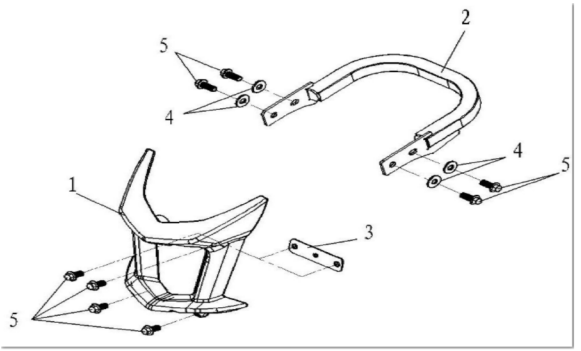
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-10010100A	handle pipe	1	手把管 [1]	
2					
3				[2]	
4				[3]	
5					
6	2401-18010100A	gasoline throttle	1	拇指加油器	
7	2401-27010100A	handle bar grip	2	把手套	橡胶件
8	2401-16110100A	Combination switch	1	组合开关	功能:启动, 熄火, 转向、喇叭,大灯(远近光), 风门开关
9					
10					

STEERING COLUMN COMPONENT



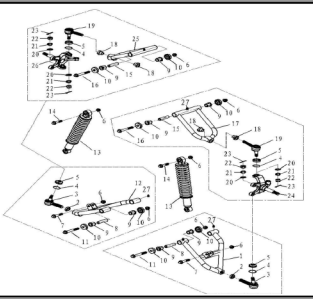
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-10040100A	STEERING COLUMN	1	方向柱	焊接件,
2	2401-10030201A	the under block of handle pipe	2	手把管下夹块 [4]	材料:铝
3	2801-10030101A	the up block of handle pipe	2	手把管上夹块 [5]	材料:铝
4	A02-M08L050g	Bolt M8x50	4	外六角法兰面螺栓	M8x50
5	2401-10050101A	steering column clamping block	2	方向柱夹块	白色增强尼龙
6	2401-10050201A	steering column hoop	1	方向柱抱箍	冲压件
7	A09-M008	nut M8*P1.25	2	外六角法兰面锁紧螺母	M8*P1.25, 表面军绿色, 8.8级
8	A02-M08L016g	Bolt M8x16	2	外六角法兰面螺栓	M8x16
9	A12-010	flat washer ¢10	1	平垫圈	内¢10
10	A14-010	spring washer ¢10	1	弹簧垫圈	¢10
11	A07-M010	Nut M10	1	开槽螺母	M10
12	A19-D003L030	split pin ¢3	1	开口销	¢3
13	2401-10060101A	turning ball (left thread) M10	1	转向球头(左旋螺纹)	M10左旋螺纹, 镀彩锌
14	A08-M010L	Hexagon nut (left thread) M10	1	普通六角螺母M10L	M10左旋螺母, 镀彩锌
15	2401-10060102A	stearing rod 240mm	2	转向拉杆240mm	表面镀彩锌
16	A08-M010	Hexagon nut (right thread)	1	普通六角螺母M10	M10右旋螺母, 镀彩锌
17	2401-10060103A	turning ball (right thread)	1	转向球头(右旋螺纹)	M10右旋螺纹, 镀彩锌
18	2401-10060104A	Dustproof rubber cover	4	防尘胶套	黑色耐油橡胶
19	2401-10060105A	round steel wire	4	圆形钢丝	表面镀彩锌,
20	A12-010	flat washer ¢10	4	平垫圈	内¢10
21	A14-010	spring washer ¢10	4	弹簧垫圈	¢10
22	A07-M010	Nut M10	4	开槽螺母	M10
23	A19-D002L018	split pin ¢3	4	开口销	¢3

FRONT BUMPER AND BACK ARMREST PARTS



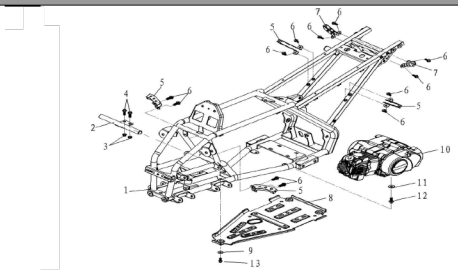
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-22010100A	FRONT BUMPER	1	前保险杠	铁焊接件
2	2401-22030100A	back armrest	1	后扶手	铁制焊接件
3	2401-22010200A	front bumper bracket	1	保险杠固定支架	
4	A12-008	flat washer ¢8.5*¢16*T1.5	4	平垫圈	¢8.5*¢16*T1.5
5	A02-M08L016g	bolt M8*P1.25*16	8	外六角法兰面螺栓	M8*P1.25*16表面军绿色, 8.8级

FRONT BUMPER AND BACK ARMREST PARTS



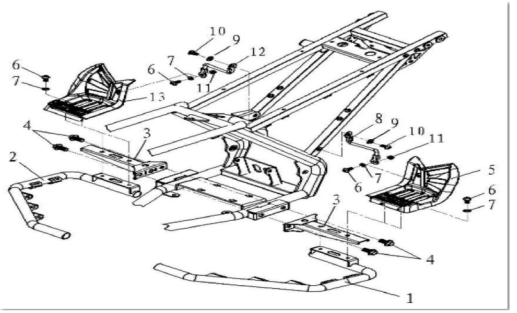
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-08020101A	front lower swing arm left	1	前左下摇臂 [6]	焊接件
2	A08-M014	Bolt M14	2	普通六角螺母M14	M14,表面达克罗处理
3	2401-08020200A	low suspension arm ball	2	下摇臂球头	表面镀彩锌
4	2401-10060105A	round steel wire	4	圆形钢丝	表面镀彩锌,
5	2401-10060104A	dustproof cover	4	防尘胶套	黑色耐油橡胶
6	A09-M010	nut M10	4	外六角法兰面螺母	M10
7	A02-M08L016g	Bolt M10*50	2	外六角法兰面螺栓	M10*50
8	2801-08030301A	upper suspension arm inner liner tube	4	下摇臂内衬管	
9	2801-08030201A	suspension arm nylon cap	12	摇臂尼龙套	
10	2801-08030401A	suspension arm dustproof cover	12	摇臂防尘盖	铁圈外套黑色橡胶
11	A02-M10L080g	bolt M10*80	4	外六角法兰面螺栓	M10*80, 表面军绿色8.8级
12	2401-08020100A	SWING ARM UPPER left	1	前右下摇臂 [7]	
13	2401-14020100A	front air shock absorber	2	前减震器	
14	A02-M10L050g	Bolt M10*80	2	外六角法兰面螺栓	M10*80
15	2401-08030302A	lower suspension arm inner liner tube	2	上摇臂内衬管	
16	A02-M10L190g	Bolt M10*190	2	外六角法兰面螺栓	M10*190
17	2401-08010100A	upper swing arm left	1	左上摇臂	
18	2401-08010201A	ball joint nut M14	4	可调球头调节螺母	M14,表面达克罗处理
19	2401-08010202A	ball joint upper	2	可调上球头	表面达克罗处理
20	A12-008	flat washer ¢12.2* ¢24*T2	4	平垫圈	¢12.2* ¢24*T2 表面军绿色
21	A14-012	spring washer M12*P1.5	4	弹簧垫圈	M12*P1.5, 表面军绿色
22	A07-M010	nut M12	4	六角开槽螺母	M12
23	A19-D003L030	split pin ¢3	4	开口销	¢3
24	2401-10070100A	left steering knuckle	1	左转向节	焊接件
25	2401-08010300A	front upper suspension, right	1	右转向节	铸钢件
26	2401-10070200A	right steering knuckle	1	右上摇臂	

FRAME COMPONENT



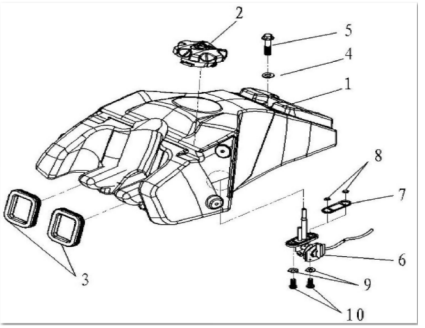
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-02010100A	FRAME	1	车架主体 [8]	焊接件
2	2401-22060201A	tube of foot rest net	1	脚网护栏连接件	铁制焊接件
3	A09-M010	nut M8	2	六角法兰面螺母	M8
4	A02-M06L016g	bolt M6*M16	2	外六角法兰面螺栓	M6*16
5	2401-22050102A	plastic cover supporter 1	4	塑件后支撑1	
6	A02-M06L012g	bolt M8*12	15	外六角法兰面螺栓	M8*12
7	2401-22050105A	plastic cover supporter 2	2	塑件后支撑2	
8	2401-25010105A	plastic base plate	1	塑料底板	塑料材质:ABS
9	A12-006	flat washer ¢6.5* ¢12*T1.5	7	平垫圈	¢6.5* ¢12*T1.5
10	2401-01010100A	engine	1	发动机	
11	A12-006	flat washer ¢8.5* ¢16*T1.5	4	平垫圈	¢8.5* ¢16*T1.5
12	A02-M08L016g	bolt M8*M16	2	外六角法兰面螺栓	M8*16
13	A02-M06L025g	M6*25	3	外六角法兰面螺栓	M6*25

FOOT PEDAL AND FOOT NET COMPONENT



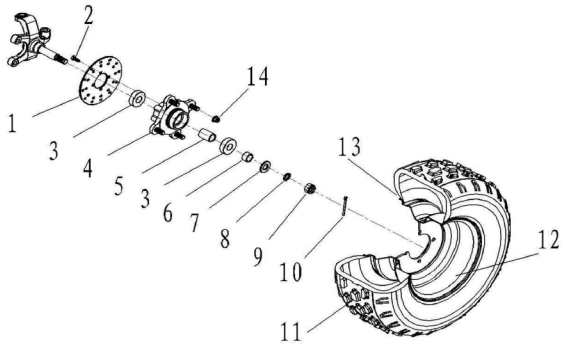
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-22070100A	前左脚网护栏		front left foot net guardrail	
2	2401-22070200A	前右脚网护栏		front right foot net guardrail	
3	2401-22060100A	脚蹬件(左右) [9]		foot pedal right/left part	
4	A02-M10L020g	外六角法兰面螺栓		bolt M10*P1.25*20	M10*P1.25*20, 细牙
5	2401-22070300A	后左脚踏板 [10]		back left footrest	
6	A05-M06L016g	内六角平圆头螺钉		bolt M6*M16	M6*16
7	2801-27030201A	橡胶垫		rubber blanket	
8	2401-22080101A	后左脚踏板固定支架		back left footrest supporter	达克罗处理
9	A12-006	平垫片		flat gasket ¢6	内¢6
10	A05-M06L012g	内六角平圆头螺钉 [11]		bolt M6*M16	M6*12
11	A09-M006	六角法兰面锁紧螺母		nut M6	M6
12	2401-22080102A	后左脚踏板固定支架		back left footrest supporter	达克罗处理
13	2401-22070400A	后右脚踏板 [12]		back right footrest supporter	

OIL TANK COMPONENT



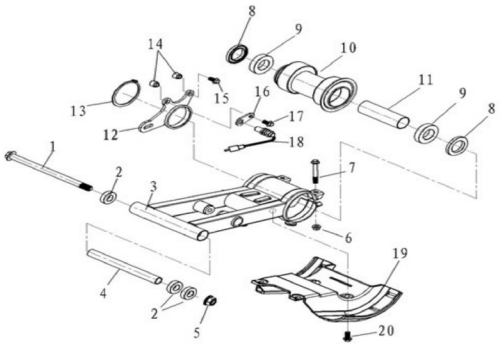
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-15010201A	fuel tank	1	燃油箱	
2	2401-15010101A	frel tank cap	1	燃油箱盖	
3	2401-27030101A	front fixting rubber cap of oil tank	2	油箱前固定胶套	黑色耐油橡胶
4	A12-008	flat washer	1	平垫圈	M6军绿色8.8级
5	A02-M08L075g	bolt M6*20	1	外六角法兰面螺栓	M6*20军绿色8.8级
6	2401-15010301A	fuel switch	1	油开关	带备用油开关
7	2401-15010302A	fuel switch sealing ring	1	油开关环形密封圈	黑色耐油橡胶
8	2401-15010303A	fuel switch O-sealing ring	2	油开关O密封圈	黑色耐油橡胶
9	2401-15010304A	fuel switch washer	2	油开关垫片	塑料垫圈
10	A03-M006L12c	screw M6*12	2	十字槽圆头螺钉	M6*12 GB/T818-2000

STEERING COMPONENT



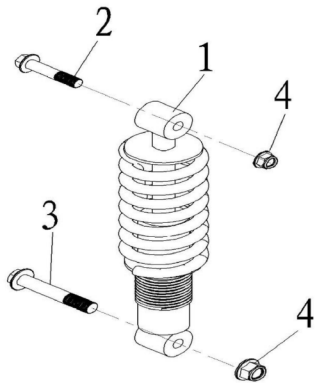
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-07010100A	FRONT BRAKE DISK	1	前碟刹盘	
2	A01-M06L016	bolt M6*M16	2	外六角螺栓	M6*16 表面军绿色, 8.8级
3	A21-06003RS	bearing 6003RS	2	深沟球轴承	轴承:6003RS
4	2401-23010100A	front flange	1	前轮法兰	表面镀彩锌
5	2401-23010101A	inner liner tube	1	内衬管	
6	2401-23010102A	front flange spacer bush	1	前法兰隔套	
7	A12-014	flat washer ¢14.8*¢27.5*T2	1	平垫圈	¢14.8*¢27.5*T2 表面军绿色
8	A14-014	spring washer ¢14.8	1	弹簧垫圈	¢14.8 表面军绿色
9	A07-M014	nut M14*1.5*14.1	1	六角开槽薄螺母	M14*1.5*14.1(底部厚度9), 表面军绿色 GB/T 6181-1986
10	A19-D003L040	spilt pin ¢2.8*30	1	开口销	¢2.8*30 表面军绿色
11	2401-29010101A	front off road tire	1	前越野轮胎 [13]	
12	2401-29010101A	FRONT RIM	1	前轮辋	
13	A09-M008	nut M8	4	气门嘴盖	M8

REAR FLAT FORK



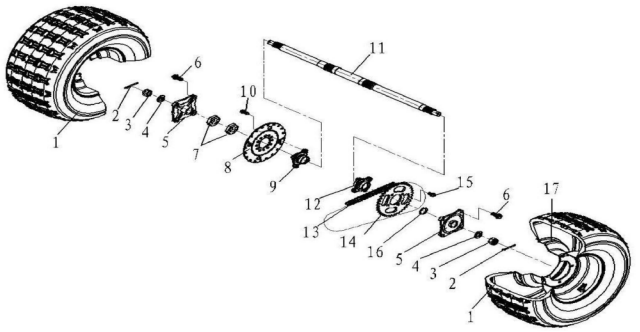
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	A02-M12L215g	bolt M12x215	1	外六角法兰面螺栓	M12x215
2	A21-06001RS	bearing 6006RS GB/T 276-1994	3	深沟球轴承	规格:6006RS GB/T 276-1994
3	2401-11020000A	rear fork	1	管件后平叉	
4	2401-11010101A	rear fork inner liner tube	1	后平叉内衬管	¢16*¢20*190
5	A09-M012	nut M12	1	六角法兰面锁紧螺母	M12
6	A09-M008	Nut M8*P1.25	1	六角法兰面锁紧螺母	M8*P1.25, 表面军绿色8.8级
7	A02-M08L055g	bolt M8*55	1	外六角法兰面螺栓	M8*55
8	A22-D055L008	oil seal ¢35*¢55*8	2	油封	油封: ¢35*¢55*8
9	A21-06006RS	bearing 6003RS	2	深沟球轴承	圆锥滚子轴承:32008 (Ø68*Ø40*20.5)
10	2401-12020100A	rear axle bearing pedestal	1	后桥偏心轮轴承座	
11	2401-12010201A	rear axle spacer bush	1	后桥内隔套	

REAR ABSORBER COMPONENT



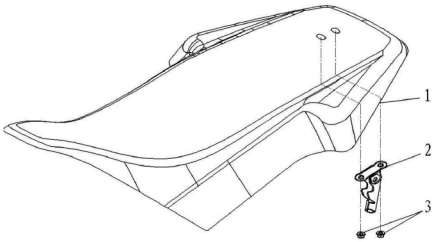
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-14020200A	REAR SHOCK ABSORBER	1	后减震器	液压阻尼减震、孔中心距:340mm ø12*40行程
2	A02-M10L050g	bolt M10*P1.25*50	1	外六角法兰面螺栓	M10*P1.25*50, 表面军绿色8.8级
3	A02-M08L075g	bolt M12*P1.25*75	1	外六角法兰面螺栓	M12*P1.25*75, 表面军绿色8.8级
4	A09-M010	nut M10*P1.25	2	金属六角法兰面锁紧螺母	M10*P1.25, 表面军绿色, 8.8级

REAR AXLE COMPONENT



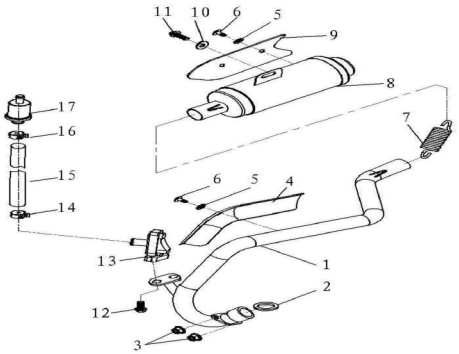
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-30010201A [18]	REAR TYRE	2	后米字轮胎 [19]	18x9,5-8 W型
2	A19-D2d8L040	split pin ¢2.8*40	2	开口销	¢2.8*40 表面军绿色
3	A07-M020	nut M20*P1.5*14	2	六角开槽薄螺母	M20*P1.5*14(底部厚度14mm), 表面军绿色
4	A12-020	flat washer ¢20.2*¢37*T3	2	平垫圈	¢20.2*¢37*T3
5	2401-12070101A [20]	rear flange	2	后轮法兰 [21]	铸钢件,
6	A02-M10L020g	bolt M10*20	8	外六角法兰面螺栓	M10*20 GB/T802-1988
7	A08-M028 [22]	nut M28	2	六角螺母 [23]	M28（10mm厚）
8	2401-07020100A	rear brake disc	1	后碟刹盘	
9	2401-12050101A [24]	rear brake plate	1	后碟刹座 [25]	铸钢件（Z=38）
10	A02-M08L016g	bolt M8*16	4	外六角法兰面螺栓	M8*16 GB/T802-1988
11	2401-12060101A [26]	rear axle shaft 740mm	1	后轮轴740mm [27]	材料:40Gr,
12	2401-12030101A [28]	chain disk foundation	1	链盘座 [29]	铸钢件（Z=41）
13	A24-008A0122	chain 428#	1	链条428#	型号:428#
14	2401-12040101A [30]	rear chain disk 428#	1	链轮盘428# [31]	428#
15	A02-M08L016g	bolt M8*16	4	外六角法兰面螺栓	M8*16 GB/T802-1988
16	A18-027	steel collar of shaft	2	轴用钢丝挡圈 [32]	
17	2401-30010101A [33]	REAR RIM	2	后铁轮辋 [34]	

SEAT



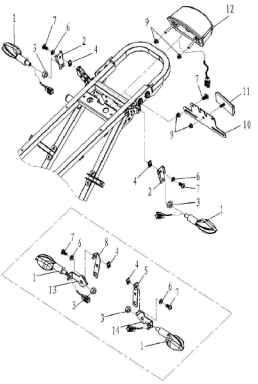
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-26010000A	seat	1	座垫	
2	2801-26010100A	seat knockle	1	坐垫扣	
3	A09-M006	nut M6	2	六角法兰面螺母	M6

MUFFLER COMPONENT



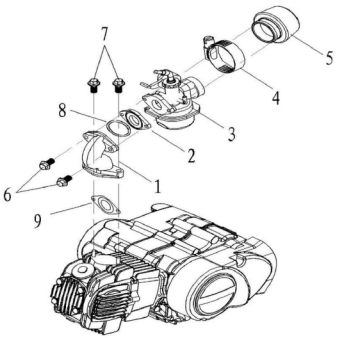
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-04010100A	front tube of muffler	1	排气管 [35]	前端不锈钢喷细砂处理
2	2401-04010601A	front muffler block	1	排气管铜垫	
3	A09-M006	nut M6	1	六角法兰面螺母 [36]	M6
4	2401-04010400A	anti hot plate on front tube of muffler	1	排气管防烫片	
5	A14-006	spring washer	3	弹簧垫圈	¢6
6	A05-M06L012g	bolt M6*13	3	半圆头螺栓	M6*13
7	2401-07060101A	spring	2	弹簧	
8	2401-04010300A	muffler	1	消声器	
9	2401-04010301A	anti hot plate on muffler	1	消声器防烫片 [37]	后段铁制作，表面镀铬
10	A12-008	flat gasket	1	平垫圈	¢8.5*¢16*T1.5
11	A02-M08L020g	bolt	1	外六角法兰面螺栓	M8*20
12	A02-M06L016g	bolt	2	外六角法兰面螺栓	M6*16
13	2401-04020106A	second compensating valve	1	二次补气阀 [38]	
14	2401-04020103A	muffler hoop	1	抱箍	
15	2401-04020104A	second compensating tube	1	二次补气管	
16	2401-04020105A	muffler hoop	1	抱箍	
17	2401-04020107A	second compensating filter	1	二次补气空滤器	

MUFFLER COMPONENT



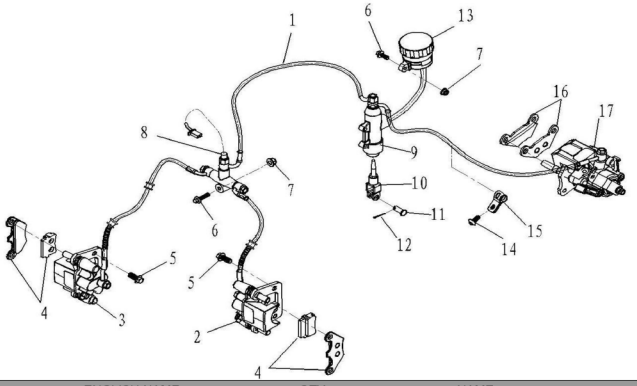
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
2	2808-22050107A	turning light fixed plate	2	后转向灯固定片	冲压件
3	A08-M010	nut M10	4	普通六角螺母M10	M10螺母，镀彩锌
4	2801-25010107A	elastic washer	4	螺纹弹性卡片	
6	2801-27030201A	rubber blanket	4	橡胶垫	内￠6
7	A05-M06L012g	bolt M6*12	4	内六角平圆头螺钉	M6*12，表面军绿色8.8级
9	A09-M006	nut M6	2	六角法兰面螺母 [39]	M6
11	2801-20020101A	rear reflector	1	后反射器(方形)	
12	2401-16100601A	rear Tail Lamp	1	后尾灯	

INDUCTION SYSTEM



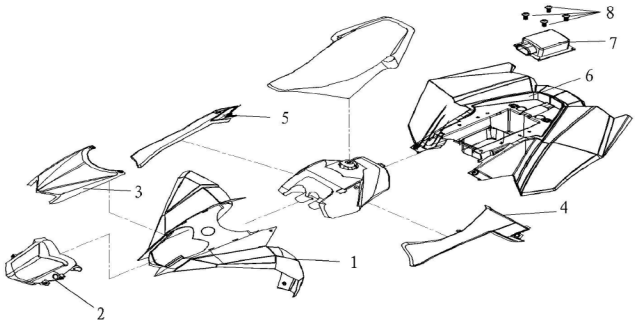
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-03010100A	inlet pipe	1	进气管	
2	2401-03020101A	inlet pipe rubber blanket	1	进气管胶垫	
3	2401-03020100A	carburetor	1	化油器	
4	2401-03040101A	air filter hoop	1	空滤器抱箍	表面镀白锌 35-51
5	2401-03030200A	air filter	1	空滤器主体	黑色塑料件(含空滤器滤芯)
6	A02-M06L025g	bolt M6*25	2	外六角法兰面螺栓	M6*20，表面军绿色，8.8级
7	A02-M06L020g	bolt M6*20	4	外六角法兰面螺栓	
8	2401-03010202A	Sealed Apron	2	密封胶圈	
9	2401-03010201A	Intake pipe seal paper pad	1	进气管密封纸垫	

BRAKING SYSTEM



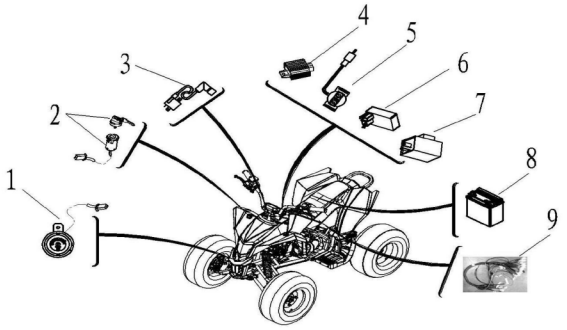
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-07030300A	一拖三制动器	1	一拖三制动器	
2	2401-07030301A	前分泵总成(左)	1	前分泵总成(左)	表面钝化、铝本色
3	2401-07030302A	前分泵总成(右)	1	前分泵总成(右)	表面钝化、铝本色
4	2401-07030303A	前泵刹车蹄片	2	前泵刹车蹄片	
5	A02-M08L025g	外六角法兰面螺栓	6	外六角法兰面螺栓	M8*P1.25*25 表面军绿色, 8.8级
6	A02-M06L035g	外六角法兰面螺栓	1	外六角法兰面螺栓	M6*35, 表面军绿色8.8级
7	A09-M006	金属六角法兰面锁紧螺母	2	金属六角法兰面锁紧螺母	M6, 表面军绿色, 8.8级
8	2401-07030310A	液压感应开关	1	液压感应开关	含接线口
9	2401-07030304A	总泵总成	1	总泵总成	含活塞、防尘套
10	2401-07030306A	刹车推杆	1	刹车推杆	含顶杆、连接叉
11	2401-07030307A	圆柱销	1	圆柱销	
12	A19-D002L040	开口销	1	开口销	¢2*20 表面军绿色
13	2401-07030305A	油杯	1	油杯	
14	A05-M06L016g	内六角平圆头螺钉	6	内六角平圆头螺钉	M6*16, 表面军绿色8.8级
15	2801-07050101A	航空油管线卡	6	航空油管线卡	黑色
16	2401-07030309A	后刹车蹄片	2	后刹车蹄片	
17	2401-07030308A	后刹车泵	1	后刹车泵	

PLASTIC COVERS



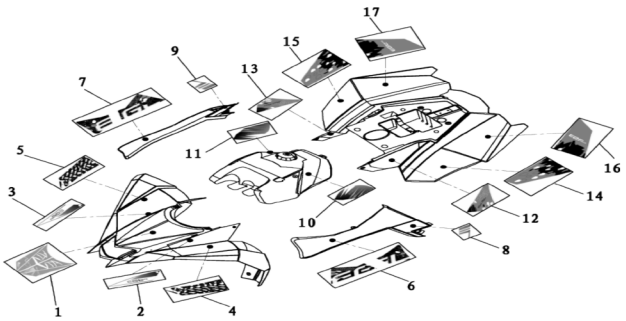
POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
1	2401-25010101A	forebody plastic cover/ABS	1	塑件前体	塑料材质:ABS
2	2401-16100301A	front light	1	前照灯	
3	2401-25010102A	light plastic cover/ABS	1	灯具塑料罩	塑料材质:ABS
4	2401-25010103A	left plastic cover/ABS	1	塑件前左导流罩	塑料材质:ABS
5	2401-25010104A	right plastic cover/ABS	1	塑件前右导流罩	塑料材质:ABS
6	2401-25010105A	afterbody plastic cover/ABS	1	塑件后体	塑料材质:ABS
7	2401-16130100A	electric parts protector	1	电器件保护盖	塑料材质:ABS
8	A06-ST3d5L16	bolt	4	自攻螺钉	

ELECTRICAL PARTS



POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
2	2401-16070100A	electric lock	1	电门锁（二锁）[40]	1档电门锁
3	2401-16030100A	ignitor	1	高压包	带金属屏蔽帽
4	2401-16050100A	rectifier	1	整流器	
5	2401-16040100A	start relay	1	启动继电器	
6	2401-16020100A	CDI	1	CDI点火器	
8	2401-16010100A	battery	1	蓄电池	12V，5HA
9	2401-16090101A	main line	1	主线缆	防水

STICKERS

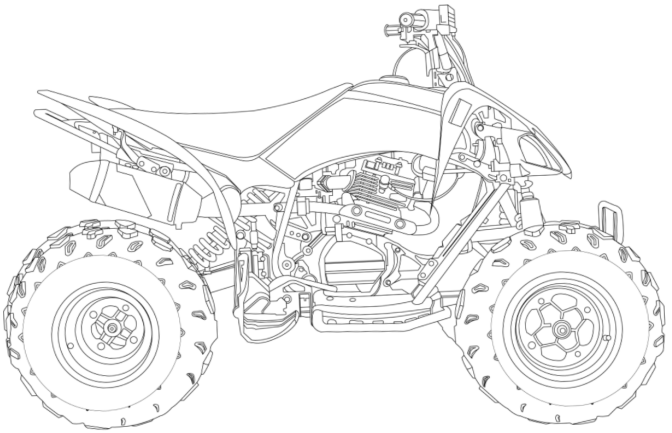


POS	PART NO.	ENGLISH NAME	QTY	NAME	SPECIFICATION
2		forebody left sticker1	1	前体左贴花1	
3		forebody right sticker1	1	前体右贴花1	
4		forebody left sticker2	1	前体左贴花2	
5		forebody right sticker2	1	前体右贴花2	
6		left kuppe sticker 1	1	左导流罩贴花1	
7		right kuppe sticker 1	1	右导流罩贴花1	
12		afterbody left sticker1	1	后体左贴花1	
13		afterbody right sticker1	1	后体右贴花1	
14		afterbody left sticker2	1	后体左贴花2	
15		afterbody right sticker2	1	后体右贴花2	
16		afterbody left sticker 3	1	后体左贴花3	
17		afterbody right sticker3	1	后体右贴花3	

NOTE:

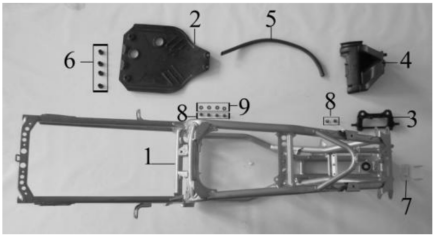
For full ATV 125 Manual please check ATV 125 product page or database at the Thumpstar Website.

SPARE PART CATALOGUE | ATV250



MAIN FRAME

A - Assembly

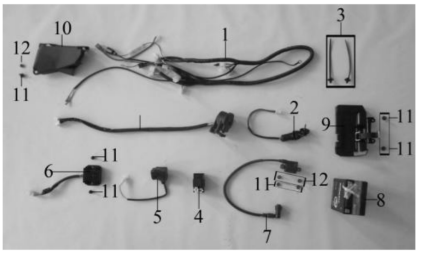


POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5002		Main Frame Complete Assembly	
1		16724010131	Main Frame	1
2		116302514102401	Protector Engine	1
3		116202514552401	Upper Bracket,Front Fender	1
4		116202514562401	Discharge oil slot	1
5		116406614592401	Discharge oil pipe	1
6		116407714222401	Plug	4
7		116416023052401	Name Plate	1
8		116406321010801	Flange Bolt GB/T5787-1986/M6*16/4.8	6
9		116406321160801	Flat Gasket GB/T95-1985/ ¢ 16* ¢ 6*1	4

POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
1			Radiator	
2			WaterPipe	
3			Oil Coller	
4			Oil Pipe	
5			Standar Parts	

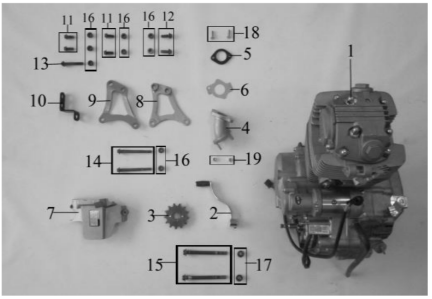
WIRING SYSTEM

A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5003		Wiring System Complete Assembly	
1		116204702022401	Main Wiring	1
2		116206102172401	Ignition Key	1
3			Buckle, Main Wiring	2
4		116204502070801	CDI CG125	1
5		116204502080101	Relay	1
6		116204502090801	rectifier	1
7		116204502060801	Ignition Coil CG125	1
8		116104202035901	Battery 12V7AH/115*65*130	1
9			Battery Cage	1
10		116302614422401	Protector, Main Wiring	1
11		116406321010801	Flang Bolt GB/T5787-1986/M6*16/4.8	7
12		116406321120801	Self-locking Nut GB/T6187.1-2000/M6/4.8	3

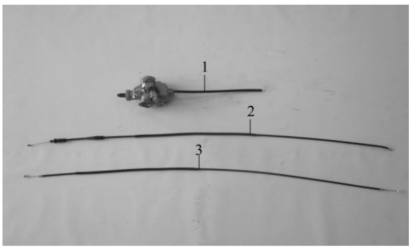
A - Assembly



2		116300101060801	Gear Shift	1
3		116300101072401	Front Sprcket 520/14T	
4		116300101092401	Intake Pipe	1
5		116400101125901	Bakelite Pad 34.5× ¢ 7×4.5	1
6		116400101135901	Paper Gasket 34.5× ¢ 7×0.5	1
7			Side Cover, Engine	1
8		16724320136	Left, Connector, Front engine Bracket	1
9		16724970136	Right, Stator, Front Engine Bracket	1
10		16724810136	Connertor, Upper Engine Bracket	1
11		116406321010807	Flange Bolt GB/T5787-1986/M8*20/8.8/	4
12		116406321010808	Flange Bolt GB/T5787-1986/M8*25/8.8	2
13		116406321010814	Flange Bolt GB/T5787-1986/M8*60/8.8	1
14		116406321010817	Flange Bolt GB/T5787-1986/M8*90/8.8	2
15		116306321010830	Flange Bolt GB/T57871986/M10*1.25*115/8.8	2
16		116406321120802	Self-Locking Nut GB/T6187.1-2000/M8/8.8	9
17		116406321120803	Self-Locking Nut GB/T6187.1-2000/M10*1.25/8.8/	2
18			Outer Hex Bolt M6*20	2
19			Ordinary Nut M6	2

CARBURETOR

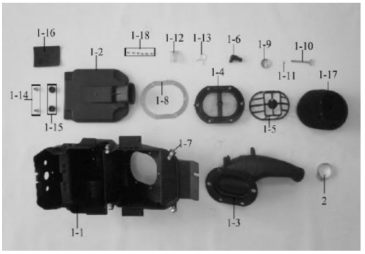
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5005		Carbburetor Complete Assembly	
1		116103303010802	Carburetor (JK/PZ30/flame door/PZ30A-12a)	1
2		116317112020801	Carburetor (JK/PZ30/flame door/PZ30A-12a)	1
3		116317112030801	Choke Cable 1000/70/ Straight	1

AIR FILTER

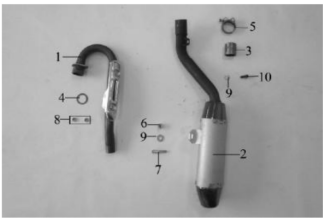
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5006		Air Filter Complete Assembly	
1		116203704012401	Air Filter Complete Assembly ¢ 45	1
1-1			Outer Cover, Air Filter	1
1-2			Upper Cover, Air Filter	1
1-3			Intake Pipe	1
1-4			Fixed Plate, Air Filter Element	1
1-5			Fender, Air Filter Element	1
1-6			Back Pipe Joint	1
1-7			Buckle, Upper Cover	4
1-8			Gasket, Intake Pipe	1
1-9			Washer	1
1-10			Wing Bolt	1
1-11			Spring Washer M6	1
1-12			Waste water Pipe, Air Filter	1
1-13			Circlip, Waste water Pipe	1
1-14			Bush, Tail Light Q235	2
1-15			Buffer Rubber, Tail Light	2
1-16			Buffer Rubber Gasket, Battery Box	1
1-17			Element, Airfilter	1
1-18			LockNut M6	6
2		116203704030801	Hoop, airfilter ¢ 35- ¢ 51	1

MUFFLER

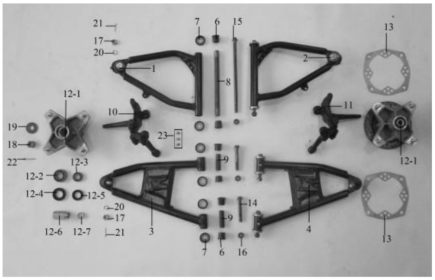
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5007		Muffler Complete Assembly	
1		116104005022402	Vent Pipe Assembly ¢ 32/250cc	1
2		116104005032401	Muffler Assembly 250cc	1
3		116304005065301	Graphite Gasket 35× ¢ 38× ¢ 32	1
4		116104005075901	Gasket, Vent Pipe ¢ 40× ¢ 30×5	1
5		116104005085801	Hoop, Muffler 36-39	1
6		116308119165909	Bush,Muffler ¢ 9* ¢ 18*17	1
7		116406321010810	Flange Bolt GB/T5787-1986/M8*35/8.8	1
8		116306321115601	Ordinary Nut GB/T6171-2000/M8/8.8	2
9		116406321160802	Flat Gasket GB/T95-1985/ ¢ 16* ¢ 8*1	2
10		116406321010806	Flange Bolt GB/T5787-1986/M8*16/8.8	1

SWINGARM

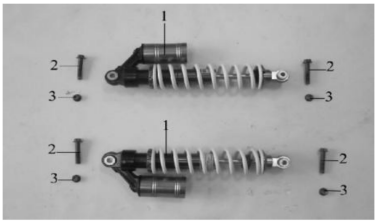
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5008		Swing Arm Complete Assembly	
1			Left Upper, Swing Arm	1
2			Right Upper, Swing Arm	1
3			Left Lower, Swing Arm	1
4			Right Lower, Swing Arm	1
6		116402714170801	Nylon space, Swing Arm ¢ 24× ¢ 15×23	12
7		116408814192401	Duct Cover,Swing Arm ¢ 32× ¢ 10	12
8		116308119032401	Bush,Upper Swing Arm ¢ 15* ¢ 10*217.5	2
9		116308119032402	Bush, Lower Swing Arm ¢ 15* ¢ 10*54	4
10		116204907032401	Left Trifurcate Shaft ¢ 20× ¢ 15×90	1
11		116204907042401	Right Trifurcate Shaft ¢ 20× ¢ 15×90	1
12		116204907062402	Front Wheel connector Assembly ¢ 20×M10/156	2
12-1			Front Wheel Connector	2
12-2			Bearing 6004Z/ ¢ 40× ¢ 20×12	2
12-3			Bearing 6202Z/ ¢ 35× ¢ 15×11	2
12-4			Oil Seal ¢ 42× ¢ 26×7	2
12-5			Oil Seal ¢ 35× ¢ 22×7	2
12-6			Inner Bush	2
12-7			Outer Bush ¢ 22× ¢ 15.5×9	2
13		16724980136	Decorative Pad,Front Rim	2
14		116306321012402	Flange Bolt GB/T5787-1986/M10*75*1.25/8.8	4
15		116306321012405	Flange Bolt GB/T5787-1986/M10*240*1.25/8.8	2
16		116406321120803	Self-locking Nut GB/T6187.1-2000/M10*1.25/8.8	6
17		116406321140101	Slotted Nut GB/T9457-1988/M10*1.25/8.8	4
18		116406321140803	Slotted Nut GB/T9457-1988/M14*1.5/8.8	2
19		116406321160803	Flat Gasket GB/T95-1985/ ¢ 37* ¢ 14*3	2
20		116406321170802	Spring Washer GB/T93-1987/ ¢ 10	4
21		116406321230101	Split Pin GB/T91-2000/Φ2*20	4
22		116406321230802	Split Pin GB/T91-2000/Φ3*30	2
23			Grease Nipple	6

FRONT SUSPENSION

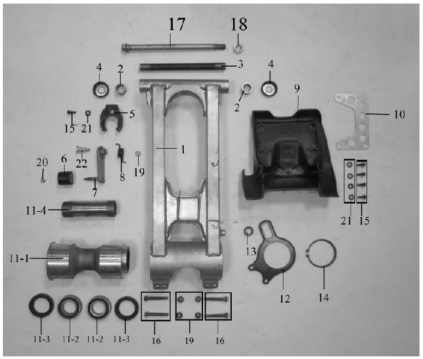
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5009		Front Suspension Complete Assembly	
1		FRONT SUSPENSION	Front Suspension HP/ ¢ 10* ¢ 10*350	2
2		FLANGE BOLT	Flange Bolt GB/T5787-1986/M10*1.25*55/8.8	4
3		SELF-LOCKING NUT	Self-locking Nut GB/T6187.1-2000/M10*1.25/8.8	4

REAR FORK

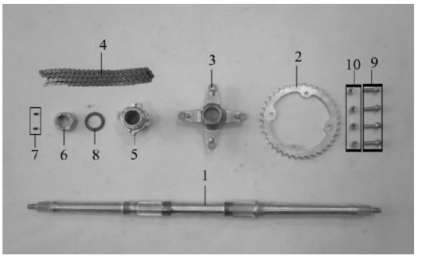
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5010		Rear Fork Complete Assembly	
1		16724020131	Rear Fork	1
2		116306418022401	Needle Bearing, Rear Axle NK 20-20/ ¢ 28* ¢ 20*20	2
3		116308119092401	Bush, Rear Fork ¢ 20* ¢ 15.5*222	1
4		116408814472401	Dust Cover, Rear Fork ¢ 43× ¢ 16/	2
5		116303714072401	Guidie Cushion, Chain	1
6		116402614155901	Riding Wheel, Chain ¢ 35× ¢ 8×31.5	1
7		16724330136	Tension Roller Bracket	1
8		116414420112401	Tension Roller Spring ¢ 3× ¢ 22×31/	1
9		116202513132401	Protector, Rear fork	1
10		16724700136	Protector Stator, Rear Axle	1
11		116204908062401	Rear Axcle Assembly 190/ ¢ 62/	1
11-1			Connector Holder,Rear Axle	1
11-2			Bearing 6007-2Z/ ¢ 62* ¢ 35*14	2
11-3			Oil Seal ¢ 62* ¢ 46*12	2
11-4			Bush ¢ 41* ¢ 36*131	1
12		16724680136	Bracket, Rear Brake	1
13		116308119232401	Bush, Rear Brake ¢ 24* ¢ 16*8/	1
14		116413822222401	Circlip ¢ 72mm	1
15		116406321010801	Flange Bolt GB/T5787-1986/M6*16/4.8	5
16		116406321012401	Flange Bolt GB/T5787-1986/M8*65/8.8	4
17		116306321012406	Flange Bolt ¢ 15/M14*258*1.5/8.8/	1
18		116406321120805	Self-locking Nut GB/T6187.1-2000/M14*1.5/8.8	1
19		116406321120802	Self-locking Nut GB/T6187.1-2000/M8/8.8	5
20		116406321120801	Self-locking Nut GB/T6187.1-2000/M6/4.8	1
21		116406321160801	Flat Gasket GB/T95-1985/ ¢ 16* ¢ 6*1	1
22		116406322262401	Tension Roller Bolt M8×18/ ¢ 12/34	1

REAR AXLE

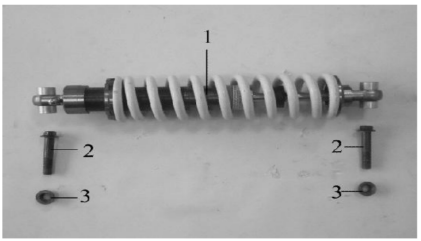
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5011		Rear Axle Complete Assembly	
1		116105308012401	Rear Axle 850×165× ¢ 35	
2		116217311012401	Rear Sprocket 520#/38(f) / ¢ 145/	
3		116205308052401	Holder Sprocket Z37×145×4	
4		116205910012402	Chain 520H/92	
5		116205308042401	Holder, Disc Brake Z34×67×4	
6		116305322232401	Lock Nut, rear Axle M33*26	
7		116405322242401	Help Lock Bolt M6*10	
8		116406322252401	Lock Spring Washer, Rear Axle ¢ 34* ¢ 50*2	
9		116406322152401	Bolt, Sprocket M10*30*1.25/ ¢ 6/4/	
10		116406321120803	Self-locking Nut GB/T6187.1- 2000/M10[illegible]	

REAR SUSPENSION

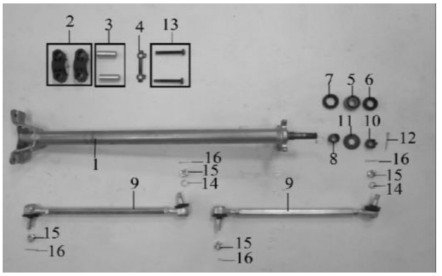
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5012		Rear Suspension Complete Assembly	
1		116101006042401	Rear Suspension HP/ ¢ 12* ¢ 12*390	1
2		116306321012403	Flange Bolt GB/T5787-1986/M12*60*1.25/8.8	2
3		116406321120804	Self-locking Nut GB/T6187.1- 2000/M[illegible]	2

STEERING POLE

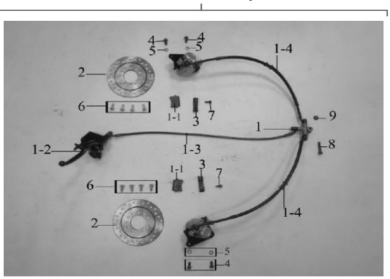
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5013		Driving System Complete Assembly	
1		16724080131	Steering Pole	1
2		116406114012401	Fixing block, Steering Pole	2
3		116308119052401	Fixing block, Steering Pole ¢ 15* ¢ 9*42.5/	2
4		16724820136	Lock Plate, Steering Pole	1
5		116306418012401	Deep Grove Ball Bearing 6002/ ¢ 32* ¢ 15*9	1
6		116412318052401	Oil Seal ¢ 32* ¢ 18*7	1
7		116412318052402	Oil Seal ¢ 35* ¢ 22*7	1
8		116308119052401	Bush, Steering Pole ¢ 22* ¢ 15.5*15	1
9		116204907052401	Turning Shaft 245×M10×1.25	2
10		116406321140803	Slotted Nut GB/T9457-1988/M14*1.5/8.8/	1
11		116406321160803	Flat Gasket GB/T95-1985/ ¢ 37* ¢ 14*3	1
12		116406321230802	split Pin GB/T91-2000/Φ3*30/	1
13		116306321022401	Ordinary Hex bolt GB/T5785-1986/M8*60/8.8	2
14		116406321170802	Spring Washer GB/T93-1987/ ¢ 10	2
15		116406321140101	Slotted Nut GB/T9457-1988/M10*1.25/8.8	4
16		116406321230101	Split Pin GB/T91-2000/Φ2*20	4

FRONT BRAKE

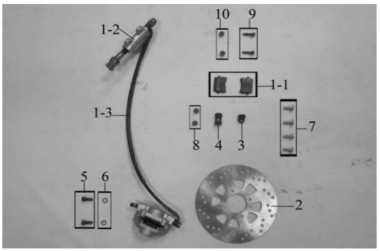
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5014		Front Brake Complete Assembly	
1		116101309032401	Front Brake (Double cylinder / 63/610/510/ with switch / conventional)	1
1-1			Front Brake Pad	2
1-2			Front Brake Lever	1
1-3			Oil Pipe, Front Brake Upper Pump 610mm	1
1-4			Oil Pipe, Front Brake Upper Pump 510mm	2
2			Front Brake Disc ¢ 160/ ¢ 48/	2
3		16724900147	Oil Pipe Buckle, Front Brake	2
4		116406321010806	Flange Bolt GB/T5787-1986/M8*16/8.8	4
5		116406321170801	spring Washer GB/T93-1987/ ¢ 8	4
6		116406322015901	Hex Flange Bolt M8×20/8.8	4
7		116406321010841	Flange Bolt GB/T5787-1986/M6*12/4.8	2
8		116406321010809	Flange Bolt GB/T5787-1986/M8*30/8.8	1
9		116406321120802	Self-locking Nut GB/T6187.1-2000/M8/8.8	1

REAR BREAK

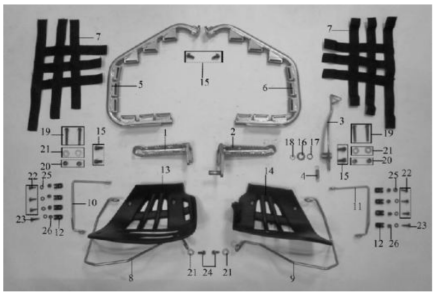
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5015		Rear Brake Complete Assembly	
1		116101309042401	Rear Brake (Y65/single cylinder/52/550/with switch)	1
1-1			Rear Brake Pad	2
1-2			Rear Brake Pump	1
1-3			Oil Pipe, Rear Brake 550mm	1
2		116201609022401	Rear Brake Disc ¢ 200/¢ 49/	1
3			Buckle, Single Oil Pipe	1
4			Buckle, Double Oil Pipe	1
5		116406321010806	Flange Bolt GB/T5787-1986/M8*16/8.8	2
6		116406321170801	Spring Washer GB/T93-1987/¢ 8	2
7		116406322010107	Hex Flange Bolt M8*16/8.8/	4
8		116406321240801	Cross slot Bolt GB/T819.2-1997/6*16/808	2
9		116406321010803	Flange Bolt GB/T5787-1986/M6*25/4.8	2
10		116406321120802	self-Locking Nut GB/T6187.1-2000/M8/8.8	2

FOOT REST

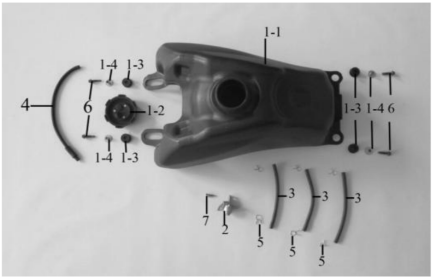
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5016		Foot Rest Complete Assembly	
1		16724160131	left footrest	1
2		16724170131	right footrest	1
3		16724310131	Foot Brake lever	1
4		116407320080801	Spring, Foot Brake lever ¢ 1.5× ¢ 10×63	1
5		16724110131	Left Pedal	1
6		16724120131	Right Pedal	1
7		116406924242401	Belt	2
8		116414420132401	Main Bracket, LeftFender ¢ 8/45#	1
9		116414420142401	Main Bracket, Right Fender ¢ 8/45#	1
10		116414420152401	Vice Bracket, Left Fender ¢ 6/45#	1
11		116414420162401	Vice Bracket, Right Fender ¢ 6/45	1
12		16724990136	connect Buckle, Fender	8
13		116202513082401	Rear Left Fender	1
14		116202513092401	Rear Right Fender	1
15		116306321010836	Flange Bolt GB/T5787-1986/M10*1.5*20/8.8	6
16		116406321162401	Flat Gasket GB/T95-1985/¢ 25*¢ 16*2	1
17		116406322272401	Wave Washer ¢ 15.5*¢ 21*0.5/	1
18		116413822222402	circlip ¢ 15mm	1
19		116406321010813	Flange Bolt GB/T5787-1986/M8*55/8.8	4
20		116406321120802	self-Locking Nut GB/T6187.1-2000/M8/8.8	4
21		116406321160802	Flat Gasket ¢ 16*¢ 8*1	6
22		116406322010802	Hex Flange Bolt M6*16/4.8	6
23		116406322010804	Hex Flange Bolt M6*25/4.8	2
24		116406321010807	Flange Bolt GB/T5787-1986/M8*20/8.8	2
25		116406321160801	Flat Gasket GB/T95-1985/¢ 16*¢ 6*1	8
26		116406321120801	self-Locking Nut GB/T6187.1-2000/M6/4.8	8

FUEL TANK

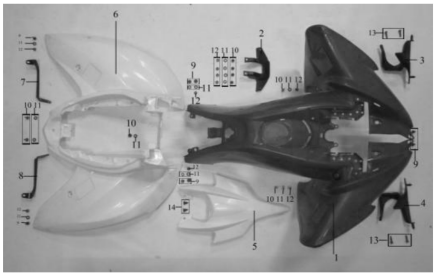
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5017		Fuel Tank Complete Assembly	
1		116203215012401	Oil tank Assembly	1
1-1			Oil Tank	1
1-2			Cap, Oil Tank	1
1-3			Cushion rubber	4
1-4			Bush, Oil Tank	4
2		116310415052401	Oil switch ¢ 6.5	1
3			Oil Pipe ¢ 5*¢ 8*1.5*160mm	3
4			Oil Pipe ¢ 5*¢ 8*1.5*240mm	1
5		116406620030101	Circlip, Oil Pipe ¢ 7×¢ 1/	6
6		116406321010803	Flange Bolt GB/T5787-1986/M6*25/4.8	4
7		116406321010801	Flange Bolt GB/T5787-1986/M6*16/4.8	1

PLASTIC

A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5018		Plastic Complete Assembly	
1		116202513012401	Front Plastic Body	1
2		116202514532401	Connect Plate, Front Plastic Body	1
3		116202514512401	Left Bracket, Front Plastic Body	1
4		116202514522401	Right Bracket, Front Plastic Bofy	1
5		116202513212401	Bow Cap	1
6		116202513022401	Rear Plastic Body	1
7		16724710114	Left Bracket, Rear Plastic Body	1
8		16724720114	Right Bracket, Rear Plastic Body	1
9		116406322010802	Hex Flange Bolt M6*16/4.8	8
10		116406322010803	Hex Flange Bolt M6*20/4.8	9
11		116406321160801	Flat Gasket GB/T95-1985/ ¢ 16* ¢ 6*1	15
12		116406321120801	Self-locking Nut GB/T6187.1-2000/M6/4.8	10
13		116406321010803	Flange Bolt GB/T5787-1986/M6*25/4.8	4
14			Expand Bolt ¢ 8	2

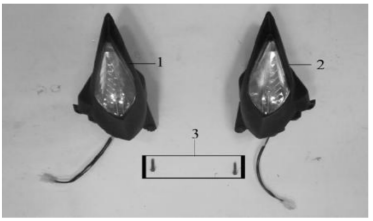
GRAPHIC KIT

A - Assembly

POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5019		Graphic Kit Complete Assembly	
1	5000		Ordinary Sticker	
2			Warning Sticker	
3			Customer Special Sticker	

FRONT LIGHT

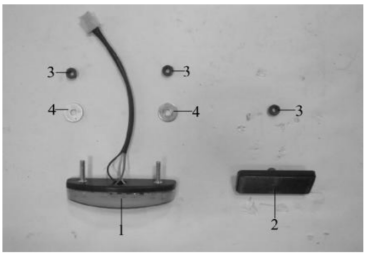
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5020		Front Light Complete Assembly	
1		116204602042401	Front Left Light	1
2		116204602042402	Front Right Light	1
3		116406321010803	Flange Bolt	2

TAIL LIGHT

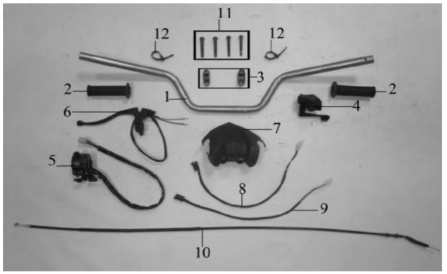
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5021		Tail Light Complete Assembly	
1		116202402050101	Tail Light 83/LED	1
2		116412614280101	Reflector 88×34	1
3			Flange Check Back Nut M6/4.8/	3
4		116406321160801	Flat Gasket GB/T95-1985/ ¢ 16* ¢ 6*1	2

STEERING SYSTEM

A - Assembly

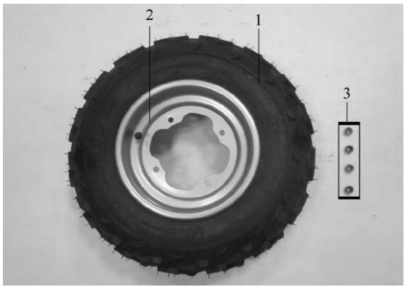


POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5022		Steering System Complete Assembly	
1		116207807072402	Handle Bar ¢ 22×770/124	1
2		116306114030101	Grip, Handle Bar 122× ¢ 20	2
3		116202107085801	Fixing block, Handle bar 34× ¢ 22×20	2
4		116201307120102	Throttle lever ¢ 22.3	1
5		116211902150501	Switch, L.Handle bar	1
6		116206107110801	Clutch lever With switch / 183	1
7		116402514252401	Iindicator Cover	1
8		116306102200501	Neutral Gear Right	1
9		116306102210501	Rear Gear Right	1
10		116317112040801	clutch Cable	1
11		116406321010809	Flange bolt T5787-1986/M8*30/8.8	4
12		116410024105801	Nylon Ties 10*130	2

POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
1			Speedometer	
2			Bracket, Speedometer	
3			Front Left Turn light	
4			Front Right Turn light	
5			Rear left Turn light	
6			Rear Right Turn light	
7			Bracket, Front Left Turn light	
8			Bracket, Front Right Turn light	
9			Bracket, Rear left Turn light	
10			Bracket, Rear Right Turn light	
11			Flasher	
12			Horn	
13			Rear View Mirror	

FRONT WHEEL

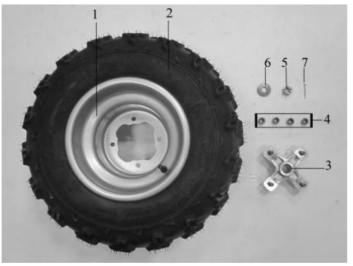
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5023		Front Wheel Complete Assembly	
1		116101717012401	Front Tyre AT20 * 7-10	2
2		116202217052401	Front rim 10 inch	2
3		116406321120803	Self-locking Nut GB/T6187.1-2000/M12*1.25/8.8	8

REAR WHEEL

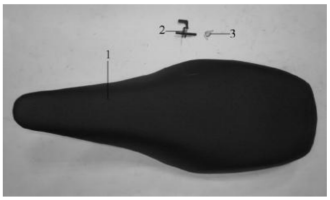
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5024		Rear Wheel Complete Assembly	
1		116101717022401	Rear Tyre AT19*10-9	2
2		116202217062401	Rear Rim 9 inch	2
3		116205308032401	Connecter, Rear Tyre Z24/115/4	2
4		116406321120803	Self-Locking Nut GB/T6187.1-2000/M8*21.26/8.8	8
5		116406321140803	Slotted Nut GB/T9457-1988/M14*1.5/8.8	2
6			Flat Gasket GB/T95-1985/ ¢ 37* ¢ 14*5	2
7		116406321230802	Split Pin GB/T91-2000/Φ3*30	2

SEAT

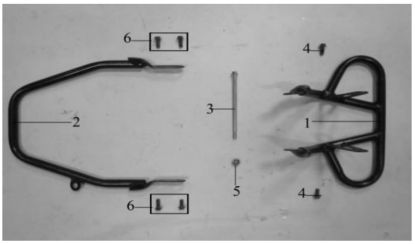
A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5025		Seat Complete Assembly	
1			Seat	1
2			Cushion Buckle	1
3			Cushion Buckle Spring	1

BUMPER

A - Assembly



POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
A	5026		Bumper Complete Assembly	
1		16724070111	Front Bumper	1
1		16724130111	RR.Lifting Handle	1
1		116406321012404	Flange Bolt GB/T5787-1986/M8*135/8.8	1
2		116406321010806	Flange Bolt GB/T5787-1986/M8*16/8.8	2
1		116406321120802	Self-locking NutGB/T6187.1-2000/M8/8.8	1
4		116406321010807	Flange Bolt GB/T5787-1986/M8*20/8.8	4

POS.	PART NO	ERP CODE	ENGLISH NAME	QTY
1			Packing steel Frame	
2			Carton	
3			Cardboard	
4			Toolkit	
5			Manual	1
6			Packing Bag	
7			Ties	
8			Packing belt	
9			Standard Parts	

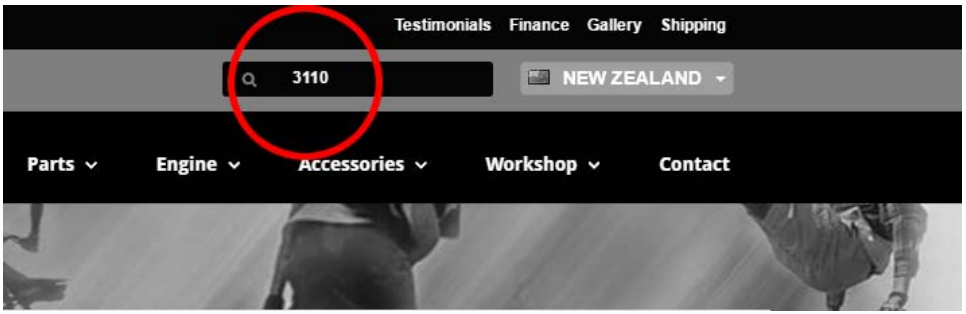
NOTE:
For full ATV 250 Manual please check ATV 250 product page or database at the Thumpstar Website.

Parts Finder

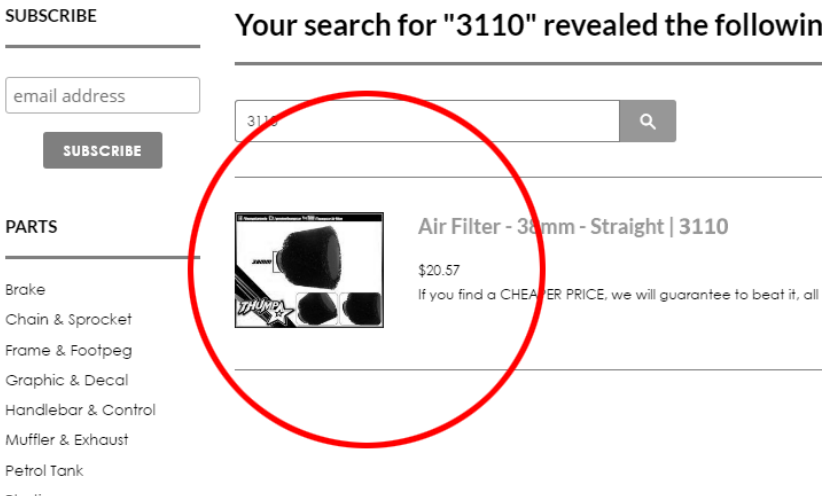
Finding Parts at our website

Websites
https://www.tboltusa.com/
https://www.thumpstar.com.au/
https://www.thumpstar.co.nz/

- **Go to our website then copy the part number or ERP CODE in our Spare Part Catalogue and paste it in the search bar then press enter or click the search icon beside it.**



- **After searching you will see the parts listed below the search bar**



WARRANTY TERMS AND CONDITIONS

The Limited Warranty starts from the date of purchase of the new motorcycle by the customer. Thumpstar will cover PARTS AND FREIGHT ONLY. Thumpstar does not cover the labor required to remove or repair the motorcycle or part for warranty repair or replacement. (Unless otherwise negotiated) In some cases, replacement parts may have to be shipped from overseas and can take up to 8 weeks for delivery.

Purchasing a motorcycle in the crate without setup by a Thumpstar Authorized Dealer void the limited warranty.

Limited Warranty is not transferable and if valid for original purchaser only.

USA: Competition models are absence from a manufactures/limited warranty.

WARRANTY CLAIMS

All warranty claims must be accompanied with the following information and attachments:

– Picture of the motorcycle

– Picture of the problem

– Picture of the VIN number

– Engine faults require a picture of the engine number

– Description of the problem

To file a warranty claim, please visit your local Thumpstar website, which is located in the footer of the website.

Disclaimer

Serious risks involved in using any motorized vehicle, including but not limited to: serious physical injury and death. Thumpstar strongly recommends the use of safety equipment while riding. Appropriate safety equipment would include, but is not limited to approved D.O.T or ASNZ 1698 helmet, riding leathers, motorcycle gloves, body armor, knee pads/brace, and riding boots. It's the purchasers responsibility to make sure the instruction manual is followed before use, that this product is assembled by a qualified mechanic and to fully check the motorcycle before every ride for defects or potential defects, if any defects are found then the product should not be used until the defect has been repaired by a qualified mechanic, the purchaser shall use product at their own risk.

Thumpstar will not be held liable under any circumstance for incidental or consequential loss or damage or injury, due direct or indirect use of this product, including any malfunction or defect. This product is not a toy. This product is intended for experienced adult riders on a closed track. Thumpstar makes no claims as to the suitability of this bike for any specific purpose or user. The products in this manual are designed for competition use for a single rider with proper safety equipment. Thumpstar also recommends that any minors only use motorized vehicles under adult supervision and under the guardian's own discretion. Purchasers should check with their local authorities for area specific rules and regulations.

Adult guardian assumes all responsibilities associated with the use of these products by minors. It is not suitable for handicapped persons or persons with limited mental or physical capacities. Although there are no uniform legal age restrictions, Thumpstar recommends that only individuals of legal age use any of the motorized vehicles sold by us. Customers understand that the use of these products can cause injury or death to themselves or others. To reduce the risks of any such injuries we strongly recommend the use of the safety equipment such as an D.O.T, ANSI or Snell approved helmet and knee pads. The Buyer holds our company and its agents and affiliates harmless from any liability arising out of or relating to the use or ownership of any product. Buyer must obtain her/his own insurance. Purchaser fully accepts responsibility & releases the seller for all & any personal injuries, fatal injuries, any losses, costs, and damages incurred

as a result of Purchaser's operation of this item. Purchaser is solely responsible when permitting other riders to ride this item, and assumes all responsibility in event of damages, injuries or fatal injuries etc. Purchaser is responsible for understanding and obeying all local and state laws for operation of this product. Once purchaser submits payment this will serve as purchaser agreement to releasing seller of any and all responsibilities of item such as stated above. Before riding check your local states/cities motorcycle codes for more information regarding laws. This product is for use on closed private tracks only.

By purchasing, you acknowledge that you have read and understood, and you agree, to the terms and conditions of this Agreement, and you represent that you are of legal age (age 18 or older) to enter this Agreement and become bound by its term.

While all care is taken, any errors and omissions in the item details are unintentional. Therefore, Thumpstar cannot be held liable for any errors or omissions on these adverts.

SERVICE MANUAL

NAME OF SERVICE PERSON	DATE OF SERVICE	HOURS OF SERVICE	SIGNATURE

*For more information on service go on page 37.

Title Ownership

NAME	BUYER SIGNATURE	SELLER SIGNATURE	DATE OF PURCHASE