

## Introduction

### OFF ROAD USE ONLY

Congratulations on choosing this ATV.

Before riding, take time to get acquainted with your ATV and how it works. To protect yourself, we urge you to take responsibility for keeping your ATV well maintained. Scheduled service is a must, of course. But it's just as important to observe the break-in guidelines, and perform all pre-ride and other periodic checks detailed in this manual.

If you have any question, or if you ever need special service or repair, remember that your dealer knows your ATV best and is dedicated to your complete satisfaction.

Happy riding!

# Mortch International Ltd

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## VEHICLE SAFE RIDING

### △ WARNING

Vehicle riding requires special attention on your part to ensure your safety. Know these requirements below before you ride.

### NOTES FOR SAFETY

- 1.This vehicle is designed for the riders of at least 16 year-old.
- 2.Both parents and their children must fully understand everything in this Owner's Manual before riding.
- 3.This vehicle is for OPERATOR ONLY.
- 4.For OFF-ROAD USE ONLY. This vehicle is designed to be operated only on level, off-road surfaces, free of obstacles.
- 5.It is illegal to ride this vehicle on public roads or highways. If it is necessary to cross a public road, please get off this vehicle and push it across.
- 6.Do not operate this vehicle while under the influence of alcohol or drugs. This can impair judgment and result in serious injury or even death.
- 7.Keep a safe distance between your vehicle and other off-road vehicle.
- 8.Never ride this vehicle unless it has been properly adjusted and maintained.
- 9.Do not allow your child to ride without your supervision.
- 10.Never run the engine in closed area. The exhaust gas contains poisonous carbon monoxide gas (CO).
- 11.Don't touch any part of the engine and muffler during and even after riding, because it is very hot.

### PROTECTIVE THINGS

- 1.Most ATV accident fatalities are due to head injuries. ALWAYS wear a helmet. You should also wear a face shield and protective clothing.
- 2.The exhaust system becomes hot during riding, and it remains hot for a while after stopping the engine. Be careful not to touch the exhaust system while it is hot. Wear clothing that fully covers your legs.
- 3.Do not wear loose clothing that could catch on the control levers, footrests or wheels.

### REFITTING

#### △ WARNING

Refitting of the ATV, or removal of original parts, may make the vehicle unsafe or illegal. Obey all national and local equipment regulations.

### ACCESSORIES

Genuine accessories by our company have been specifically designed and tested on the ATV. Because our company won't test and accessories manufactured by other company/factory, you are personally responsible for selection, installation, and use of them. Always follow the guidelines below:

- 1.Carefully inspect the accessory to make sure that it does not obscure any lights, reduce ground clearance and banking angle, or limit suspension travel, steering travel or control operation.
- 2.Accessories may increase the time that hands or feet operate controls, resulting in increased reaction time in an emergency.
- 3.Do not add electrical equipment that will exceed the vehicle's electrical system capacity.
- 4.Do not add any device cooling the engine.

## DESCRIPTION

### PARTS LOCATION (Fig.1~3)

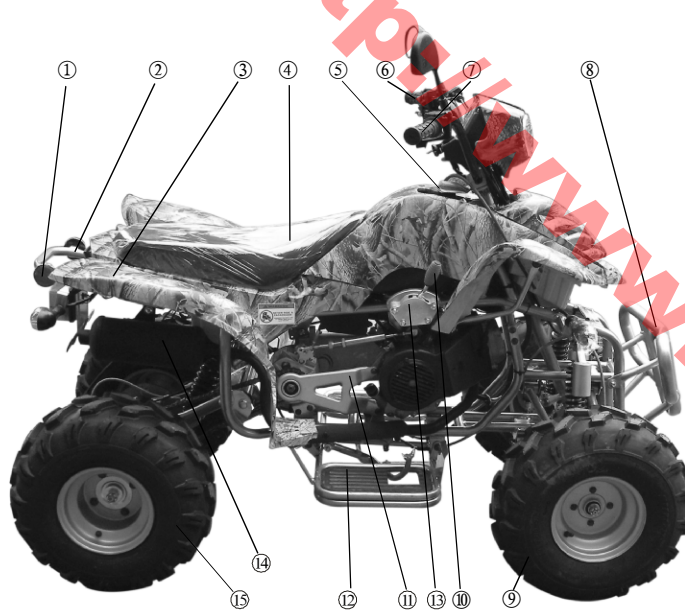


Fig.1

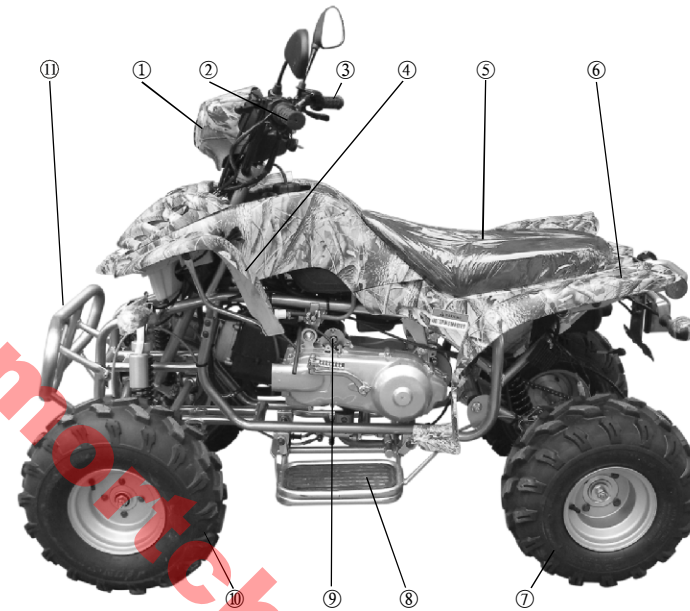


Fig.2

- ① Reflector ② Taillight ③ Rear fender ④ Seat ⑤ Fuel tank  
⑥ Handlebar control, LH ⑦ Handlebar control, RH ⑧ Safety bar  
⑨ Front wheel ⑩ Reverse lever ⑪ Engine ⑫ Footrest  
⑬ Reverse device ⑭ Muffler ⑮ Rear wheel

- ① Head light ② Handlebar control, LH ③ Handlebar control, RH  
④ Front fender ⑤ Seat ⑥ Rear fender ⑦ Rear wheel ⑧ Footrest  
⑨ Starting motor ⑩ Front wheel ⑪ Safety bar

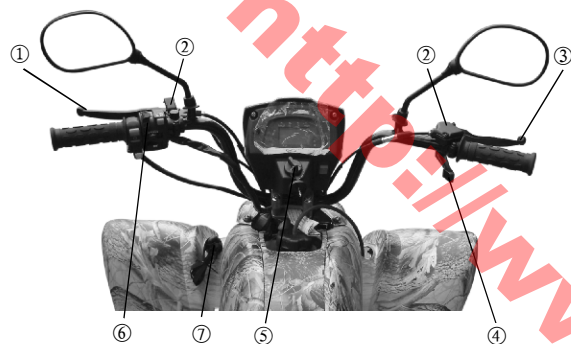


Fig.3

- ①Rear brake lever ②Parking button ③Front brake lever  
④Throttle grip ⑤ Ignition switch ⑥ Engine stop switch  
⑦Emergency switch

## VIN RECORD (Fig. 4 & 5)

Please fill the VIN and engine code of your ATV in blank below. They will help order spare parts and find out the vehicle once stolen.

VIN: ☆               ☆

Engine code: ☆       ☆

①VIN



Fig.4

Engine code

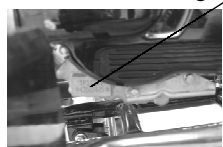


Fig.5

## NOTES

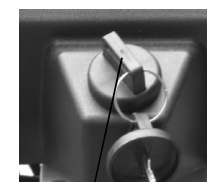
- ① The VIN is stamped on the front frame (Fig.4).  
② The engine code is stamped on the bottom-left of the crankcase (Fig.5).

## IGNITION SWITCH (Fig. 6)

Functions of the respective switch positions are as follows:

ON: Engine can be started only at this position and the headlight and taillight come on when the light switch is on.

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



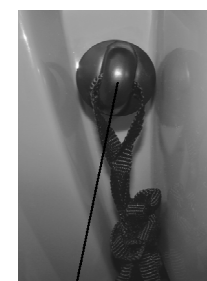
③ Fig.6

## EMERGENCY SWITCH (Fig. 7)

Keep the cable of turn-over switch on your hand all time during driven.(attach pictures).

Please check as following steps when engine can not start ① make sure the emergency switch back to home position. ② make sure the engine switch at the left handle bar locates the home position.

Assemble the turn-over switch back to home position when the switch separates from vehicle unless the engine can not start.



⑦ Fig.7

## LEFT HANDLEBAR CONTROLS (Fig. 7)

### Engine stop switch


In normal, the switch is set in middle position; to stop the engine, set the switch to left or to right.

### Light changing switch

☰ Position, Headlight is in high beam.

☷ position, headlight is in low beam.

### Starter Button

Depress the button 

With the vehicle in braking  
to start up the engine.

### Parking button

When stopping the vehicle,  
depress ① or ④ to lock the rear or front wheel; restarting  
the vehicle, Pull in the rear or front brake lever.



## THROTTLE OPERATION (Fig. 8)

Once the engine is running, movement of the throttle lever will increase the engine speed. Adjust the speed of the machine by changing the throttle position. Because the throttle is spring-loaded, the machine will decelerate, and the engine will return to idle any time the hand is removed from the throttle lever.

1. Check for smooth push of the throttle lever from the fully open to the fully closed position at both full steering positions.
2. Measure the throttle lever free play at the throttle lever flange.

The standard free play should be within 2~6mm.

To adjust the free play, loosen the lock nut and turn the adjuster.



① Throttle lever

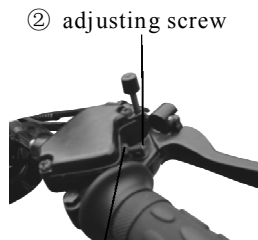
Fig. 8

## SPEED-LIMITING DEVICE (Fig. 9)

Turn loose the lock nut ① and screw in the adjusting screw ②, at last, tighten the locknut.

### CAUTION

It's better for inexperienced riders to set the top speed lower so as to avoid accidents.



① locked-up nut

Fig.9



Fig.10

### FRONT AND REAR BRAKE LEVER (Fig.10)

The front brake lever is located on the right handlebar. The rear brake lever is located on the left handlebar. Pull it toward the handlebar to apply the front or rear brake.

### FUEL AND FUEL TANK (Fig. 11)

#### Fuel Selection

Fuel is a key factor in deciding the exhaust emissions amount from the engine, so selection of fuel must follow the rules below.

Selected fuel must be unleaded or low-leaded gasoline with octane No. RQ-93 or higher.

#### Fuel Tank

The fuel tank capacity is 6.6L.

#### ⚠ WARNING

- Gasoline is extremely flammable and is explosive under certain conditions. Refuel

in a wellventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where gasoline is stored or



Fuel tank cap  
Fig.11

where the fuel tank is refueled.

- Before refueling, make sure to filter fuel first.
- Do not overfill the tank (there should be no fuel in the filler neck). After refueling, make sure the fuel tank cap is closed securely.
- Be careful not to spill fuel when refueling. Spilled fuel or fuel vapor may ignite. If any fuel is spilled, make sure the area is dry before starting the engine.
- Avoid repeated or prolonged contact with skin or breathing of vapor.
- KEEP OUT OF REACH OF CHILDREN.

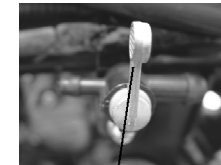
### FUEL COCK (Fig. 12)

The fuel cock supplies fuel from the fuel tank to the carburetor.

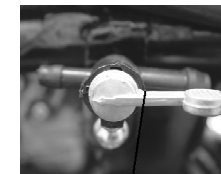
The fuel cock has two positions.

①: If the lever is in this position, fuel will not flow. Always turn the lever to this position when the engine is not running.

②: If the lever is in this position, fuel flows to the carburetor. Normal riding is done with the lever in this Position.



①



②

Fig.12

## ENGINE OIL (Fig. 13)

The quality of the engine oil plays a vital role in deciding the engine performance and service life. Engine oil must be selected in accordance with the rules below and other oils, such as ordinary machine oil, gear oil and vegetable oil, are forbidden to be used.

Engine oil recommended: gasoline engine oil Class SAE 15W/40-SE or Class SE, SF, SC from API Service Classification.

The vehicle has been filled with the engine oil Class SAE 15W/40-SE class before being delivered, and the lubricant is only suitable at a temperature range from +40°C to -10°C. If other motor oil is to be used instead, the alternative must be technically equivalent in every respect. Viscosity varies with regions and temperatures, so the lubricant has to be selected according to our recommendation (see Fig. 11). If the gasoline engine oil Class SAE 15W/40-SE can not be obtained when in need, the gasoline engine oil No. HQB-10 (or No. HQB-6 in regions where the temperature is under -10°C) is available.

Before replacing the lubricant, please drain the oil out completely remaining in the crankcase, and clean the inside by cleansing kerosene, then fill new one instead.

### CAUTION

**Running the engine with insufficient oil can cause serious damage to engine.**

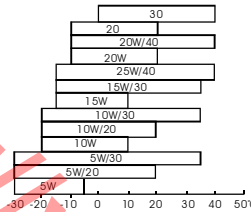
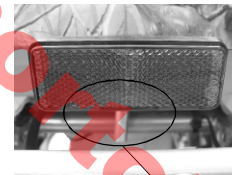


Fig. 13

## SEAT (Fig. 14)

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

To install the seat, insert the lobes on the seat front into the receptacle on the frame and push down the seat at the rear. you should pay attention to make sure that the seat is securely fitted.



set lock lever



Fig. 14



## TYRES

Proper air pressure will provide maximum stability, riding comfort and tyre life.

Check tyre pressure frequently and adjust if necessary.

Select the right replacement tyres in accordance with the specifications shown in the table 1.

Table 1

STANDARD OF COLD TYRE PRESSURE		
Pressure(kPa)	Front: 25	Rear: 31
Tyre size	Front: 19×7-8	18×9.5-8

## NOTE

Tyre pressure should be checked before you ride while the tyres are "cold". Check the tyres for cuts, embedded nails, or other sharp objects. Check the rims for dents or deformation. See your dealer for change of damaged tyres or punctured inner tubes.

## ⚠ WARNING

- Do not attempt to patch a damaged tyre or inner tube, otherwise wheel balance and tyre reliability may be impaired.
- Improper tyre inflation will cause abnormal tread wear and create a safety hazard. The tyre pressure less than the rated value may result in the tyre slipping on the ground, or coming off from the rim, even the vehicle being out of control.
- Operation with excessively worn tyres is hazardous and will adversely affect traction and handling.
- The use of tyres other than those listed on the table 1 may adversely affect handling.

When the tread depth in the middle section of tyres reaches the

limits in table 2 below, please replace tyres.

Table 2

Tread depth limits			
Front tyre	2.0mm	Rear tyre	2.0mm

## OPERATION GUIDE

### PRE-RIDE INSPECTION

#### ⚠ WARNING

If the Pre-ride Inspection is not performed, severe injury to personnel or damage to equipment may occur.

Inspect your ATV every day before you ride it. The items listed here will only take a few minutes to inspect, and in the long run they can save time, expense, and possibly your life.

1. Engine oil level-add engine oil if required. Check for leaks.
  2. Fuel level-fill fuel tank when necessary. Check for leaks.
  3. Front and rear brakes-check operation and if necessary, adjust free play.
  4. Tyres-check condition and pressure.
  5. Throttle operation-check for smooth opening and full closing in all steering positions; check for throttle grip free play and throttle cable in lubricating and connecting.
  6. Fastener-check that all nuts, screws and bolts are fixed securely.
  7. Steering system-check for its smoothness and reliability.
- Correct any discrepancy before you ride. Contact your dealer for assistance if you cannot correct the problem.

## OPERATION

### START:



1、 Insert the key into switch and turn to "ON"



2、 Check parking button for rear wheel (the button must be in brake position).



3、 Press the button to start, slowly push handle throttle, then let engine to warm for 10 mins



### ⚠ WARNING

Never run the engine in an enclosed area. The exhaust emissions contain poisonous carbon monoxide(CO)gas that can cause loss of consciousness and lead to death.

### NOTE

Do not use the electric starter for more than 5 seconds at a time. Release the starter button for approximately 10 seconds before pressing it again.

### CAUTION

Opening or closing the throttle fully and rapidly may make the vehicle's sudden moving forwards, resulting in it out of control.

### FORWARD

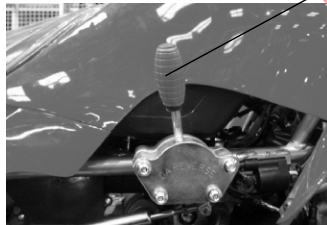


2、 Slowly push the throttle and vehicle will drive forward.

## BACKWARD

1. Pull back the reverse handle bar when to start reverse.

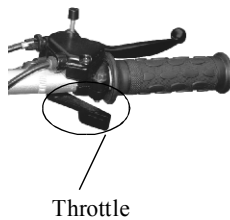
Reverse handle bar



3. Push forward the reverse handle bar when to forward speed.



2. Slowly push the throttle and the vehicle will drive backward.



## CAUTION

1. Stop at idle gear at first, when you want to be backward, otherwise the Reverse device will be damaged.
2. If it is difficult to start the reverse speed, it should make the ATV move forwarding for a distance then to start the reverse speed.


## TO DECELERATE:

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

### NOTE

**Both the front and rear brakes should be used at the same time and should not be applied strongly enough to lock the wheel, or braking effectiveness will be reduced and control of the vehicle be difficult.**

## PARKING

1. Close the throttle while apply the brakes to speed down the vehicle until it stops.
2. Turn the ignition key to  (OFF), and remove the key once the engine stops.
3. Depress down the parking button at the left handlebar or the right handlebar (see fig. 5).

## BREAKING-IN

Help assure your vehicle's future reliability and performance by paying extra attention to how you ride during the first two-week riding.

During this period, avoid full-throttle riding and loading the engine heavily; be sure to keep changing speed.

### NOTE

**After the breaking-in period, be sure to conduct maintenance according to the maintenance schedule so as to keep the vehicle in a sound condition, which will extend the service life of the engine obviously.**

## MAINTENANCE

The Maintenance Schedule specifies how often you should have your ATV served, and what things need attention. It is essential that your ATV be served as scheduled to retain its high level of safety, dependability, and emission control performance.

## MAINTENANCE SCHEDULE

The following Maintenance Schedule specifies all maintenance required under normal conditions to keep your vehicle in sound condition. Riding under unusually dusty or wet conditions, service of the vehicle should be made more often than the specified in the schedule. Maintenance work should be performed by properly trained and equipped technicians.

I: INSPECT AND CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY      C: CLEAN      L: LUBRICATE

### MAINTENANCE SCHEDULE

ITEM \ INTERVAL	First week	Every 30-day's ride	Every year
Fuel system	I		
Operation of throttle		I	
Air cleaner		C	
Spark plug		I	
Idle speed of carburetor	I	I	
Drive chain	I&L	I&L	
Brake shoe wear			I
Brake system	I	I	
Nuts, bolts, and fasteners	I	I	
Wheel	I	I	I
Steering system			I
Suspension system		I	I

## CHECK AND CHANGE OF ENGINE OIL(Fig. 15)

### Check of Engine Oil Level

Check the engine oil level each day before riding the vehicle.

The level must be maintained between the upper and lower level marks on the dipstick.

- 1.Start the engine and let it idle for a few minutes.
- 2.Stop the engine and put the vehicle on a level ground.
- 3.After a few minutes,remove the oil filler cap/dipstick,wipe it clean,and reinsert the dipstick without screwing it in,remove the dipstick.The oil level should be between the upper and lower level marks on the dipstick.

- ① Upper level mark
- ② Lower level mark
- ③ Oil filler cap/Dipstick

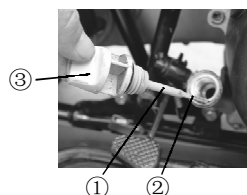


Fig.15

### Change of Engine Oil

The engine oil quality is the chief factor affecting the engine service life.Change the engine oil as specified in the maintenance schedule.

- 1.Drain out the engine oil in the crankcase completely.
- 2.Clean the crankcase inside with suitable cleaner.
- 3.Add specified engine oil about 0.9L.

### CAUTION

Running the engine with insufficient oil can cause serious damage to the engine.

### NOTE

- When running in very dusty conditions,oil changes should be performed more frequently than specified in the maintenance schedule.
- Please dispose of used engine oil in a manner that is compatible with the environment.We suggest you take it in a sealed container to your local recycling center or service station for reclamation.Do

## not throw it in the rubbish or pour it on the ground or down a drain. SPARK PLUG(Fig. 16)

### Selection

Plug recommended:A7TC

- ① Side electrode
- ② Center electrode

### Check and Replace

- 1.Disconnect the spark plug cap from the spark plug.
- 2.Clean any dirt from around the spark plug base.
- 3.Remove the spark plug using the plug wrench containing in the tool kit.
- 3.Inspect the electrodes and center porcelain for deposits,erosion or carbon fouling.If the erosion or deposit is heavy,replace the plug.Clean a carbon or wet-fouled plug with a plug cleaner,or use a wire brush.
- 4.Check the spark plug gap using a wire-type feeler gauge.If adjustment is necessary,bend the side electrode carefully.

The spark plug gap should be 0.5~0.7mm.

Make sure the plug washer is in good condition.

- 5.With the plug washer attached,thread the spark plug in by hand first to prevent cross threading,and then tighten up it by the spark plug wrench.
- 6.Reinstall the spark plug cap.

### CAUTION

- The spark plug must be securely tightened.An improperly tightened plug can become very hot and possibly damage the engine.
- Never use a spark plug with an improper heat range, or severe damage to engine could happen.

## CHECK AND ADJUSTMENT OF VALVE CLEARANCE

Excessive valve clearance will cause noise and eventual engine damage.Little or no clearance will prevent the valve from closing and cause the damage to valve and loss of power.Check valve clearance x adjusting screw so there is a slight resistance when the feeler gauge is inserted.

After completing the adjustment,tighten the lock nut while holding the adjusting screw to prevent it from turning.Finally,recheck the clearance to make sure that the adjustment has not been disturbed.

Reinstall the parts to original positions.

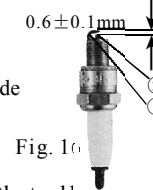


Fig. 16

## AIR CLEANER(Fig. 17)

The air cleaner should be serviced at least once every 20 hours drive. Service more frequently when riding in unusually wet or dusty areas. See your dealer for further information.

1. Remove the air cleaner from the frame.
2. Disassemble it and take out filter element.
3. Wash the filter element in clean, nonflammable or high flash point solvent and let it dry.

### ⚠ WARNING

Never use gasoline or low flash point solvents for cleaning the filter element, otherwise, a fire or explosion could result.

4. Soak it in gasoline engine oil Class 15 W/40QE until saturated, and then squeeze out the excess oil.
5. Clean the inside and outside of the air cleaner housing.
6. Install the removed parts in the reverse order of removal.

### CAUTION

- It is forbidden to start the engine without the air cleaner core, or premature wear of the piston and cylinder may produce.
- Make sure the air cleaner core is intact.
- Prevent the air cleaner core from getting water when washing the vehicle.

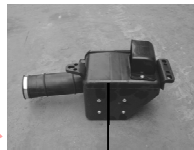
## IDLE SPEED(Fig.18)

The engine must be at normal operating temperature for accurate idle speed adjustment.

### NOTE

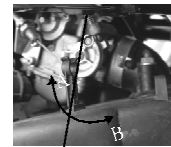
Do not attempt to compensate for faults in other systems by adjusting idle speed. See your dealer for regularly carburetor adjustments.

1. Warm up the engine.



Filter element

Fig.17



Throttle adjusting screw

Fig.18

2. Connect a tachometer to the engine (a remote-controlled one can be used).

Turn the throttle adjusting screw clockwise (in the direction of the arrowhead A) will increase idle speed while will decrease it turning counterclockwise (in the direction of the arrowhead B).

3. When the engine has no idle speed or runs at a decreased speed, set the throttle adjusting screw in the middle between the two limit positions to help mix air and fuel.

4. Run the engine again; readjust the throttle adjusting screw if necessary.

### CAUTION

Since the carburetor is a precision apparatus, don't disassemble it without the professional knowledge.

### ⚠ WARNING

The balance pipe of carburetor should be often checked to make sure there is no dust or other impurity inside it, otherwise, an accident may occur.

## FRONT MECHANICAL DRUM BRAKE(Fig.19)

The distance the front brake lever moves before the brake starts to engage is called free play.

Measured at the tip of the front brake lever, free play should be within 10~20mm.

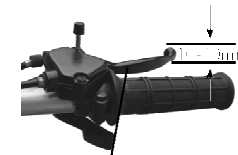
1. Adjustment should be made using the adjusting bolt at the right handlebar.



① Adjusting bolt



② Front brake



③ Front brake lever

Fig.19

2. Apply the brake several times and check for free wheel rotation when release the brake lever.

One should bear in mind, that the front brake lever, brake arm and fasteners are in a sound condition.

#### NOTE

- Make sure the curved slot in the adjusting nut is seated on the brake arm pin after making final free play adjustment.
- If such adjustment is still unsatisfactory, see your dealer for help.

#### REAR HYDRAULIC DISC BRAKE (Fig. 20)



Fig. 20

①Rear brake lever

#### Check as the followed:

1. If the level of grease cup is below the lowest level, please add our company authorized oil (DOT3).
2. Check to see there is no leakage from the system.
3. Check the brake hose and grease cup for cracks.
4. Check the brake disk situations of friction. The min is 3mm, if below the 3mm please change it.

5. The correct move trace of brake arm is from 10mm-20mm, it is stable at anytime.

#### Attention:

1. The brake oil can not be mixed, or it will do much damage to the system.
2. Do not use the used oil and the oil in the open container, do not use the long time stored oil.
3. The brake oil is strong caustic, do not spark it to the surface of paint and plastics. If spark it to skin please quickly wash it by water.
4. If the front brake need maintenance and repair, please ask for the service center, to assure safety.
5. When operating it, you feel the brake arm soft, it shows there is air in it. please draining it entirely, then use it, or it will bring down the efficiency and be in valid, even cause mishap. So please ask the service center, to adjust and drain air.
6. When changing the new brake, do not ride the vehicle. Firstly please clutch the brake grip several times to keep the optimal work habites.

#### ADJUSTMENT OF CHAIN

##### (Fig. 21)

Check the chain for wear, tension and lubrication.

1. Turn the upper and lower portions of the chain by hand to check for its tension to see if the droop is within the specified range of 10-20mm.



adjusting nut locked nut  
Fig. 21



2. When regulation is needed, loosen the locking nut, then set the chain to the required tension by turning the adjusting nut tightly.

3. The last, turn the locking nut tightly.

Apply a little grease to the chain.

## EXHAUST MUFFLER

Clear away regularly carbon deposit in the exhaust pipe; check the exhaust pipe inside for crack and washer damage, and repair or replace if necessary.

## BATTERY(Fig. 22)

Battery electrolyte is poisonous, so be sure not to discard it at will. Handle in accordance with national or local environmental protection rules.

The battery is an enclosed one and unnecessary to fill water.

When charging, please obey the charging current and time as shown on the following table.

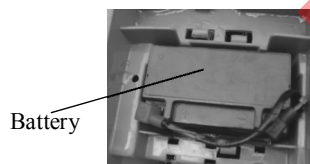


fig. 22

Don't remove electrolyte cover after enclosed battery being used. Please obey the operation instruction on battery to use the battery.

If ATV is suspended from use for a month or much longer time, remove the battery and store in a cool and dark place, charge fully before reusing.

If the battery is stored over the above mentioned time, check the voltage at least one month. Charge the battery when the voltage is lower than 12V.

## CAUTION

Before handing the vehicle over for long-term storage, remove the battery from the vehicle and charge it fully, and then store it in a cool, dry place. If the battery is to be left in the ATV, disconnect the negative lead (-) from the battery terminal first and then the positive lead (+). Do not touch the positive and negative leads with metal objects to prevent short-circuiting during the operation above.

## ⚠ WARNING

- The battery gives off explosive gases; keep sparks, flames, and cigarettes away. Provide adequate ventilation when charging or using the battery in an enclosed space.
- The battery contains sulfuric acid (electrolyte). Contacting with skin or eyes may cause severe burns. Wear protective clothing and a face shield.

If electrolyte gets in your skin, flush with water.

If electrolyte gets in your eyes, flush with water for at least 15 minutes and call a physician immediately.

- Electrolyte is poisonous. If swallowed, drink large quantities of water or milk and follow with milk of magnesia or vegetable oil and call a physician.

- KEEP OUT OF REACH OF CHILDREN



1. Open the seat
2. Disconnect the negative lead from the battery first, and then the positive lead.
3. Take out the battery from the battery box.

## REPLACEMENT OF FUSE(Fig. 23)

1. The fuse box is under the seat..
2. If the fuse is blown, switch off the main switch and replace with a new fuse of the same specification. If the fuse immediately blows again, consult your dealer.

Specified fuse: 10A

### ⚠ WARNING

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



Fig. 23

## TOOL KIT(Fig.24)

Some roadside repairs, minor adjustments and parts replacement can be performed with the tools contained in the kit.

- ① Tool bag
- ② Spanner 8 × 10mm
- ③ Spark plug sleeve
- ④ Spanner 5mm
- ⑤ Spanner 14 × 12mm
- ⑥ Pincers
- ⑦ Double-ended screw driver
- ⑧ Power increasing lever
- ⑨ Sleeve 13mm

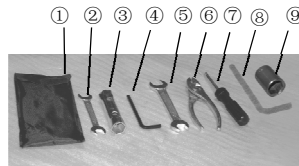


Fig. 24

## TROUBLESHOOTING

If the vehicle has some troubles, see your dealer for help.

### CAUTION

Do not dismantle or maintain the vehicle without the professional knowledge.

## CLEANING

Clean your vehicle regularly to protect the surface and inspect for damage, wear, and oil or brake fluid leakage.

## CLEANING

Clean your vehicle regularly to protect the surface and inspect for damage, wear, and oil or brake fluid leakage.

### CAUTION

**High-pressure water (or air) can damage certain parts of the ATV.**

Avoid spraying high-pressure water at the following areas: Wheel Hubs; Ignition Switch; Carburetor; Handlebar Controls; Muffler Outlets; Under Fuel Tank; Drive Chain; Under Seat.

1. Wash the vehicle completely with a great deal of water.
2. Dry up the vehicle, start the engine, and let it run for several minutes.

**Braking efficiency may be temporarily impaired just after washing the ATV. Anticipate longer stopping distance to avoid a possible accident.**

3. Test the brakes before riding the vehicle. Several applications may be

necessary to restore normal braking performance.

4. Lubricate the drive chain immediately after washing and drying the ATV.

### STORAGE GUIDE

Some measures should be taken when the vehicle is subjected to a long term storage so as to reduce the bad influence on its performance. Before the storage, make necessary maintenance to ensure the vehicle high performance after-storage.

#### Storage

1. Clean and dry up the vehicle and wax its surface.
2. Empty the fuel from the fuel tank and carburetor, spray some antirust.

#### △WARNING

**Gasoline is extremely flammable and is explosive under certain conditions. Perform this operation in a well-ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where gasoline is drained or stored and where the fuel tank is refueled.**

3. Clean and oil the drive chain.
4. Lubricate all the cables.

#### CAUTION

**When removing the battery, dismantle the negative lead first, and then the positive lead. When installing it, the procedure is just opposite. During the operations above, the ignition switch must be turned off.**

6. Seal the muffler outlet with plastics cloth to protect the former from

moisture.

7. Cover the vehicle (don't use plastics or other coated materials) and store in an unheated area, free of dampness. Do not store the vehicle in direct sunlight.

### REMOVAL FROM STORAGE

1. Take off the cover shielding the vehicle and clean it.
2. Charge the battery as required. Install the battery.
3. Clear away the inside of fuel tank, and fill fresh gasoline instead.
4. Perform all Pre-ride Inspection checks. Try the vehicle at low speeds in a safe riding area away from traffic.

