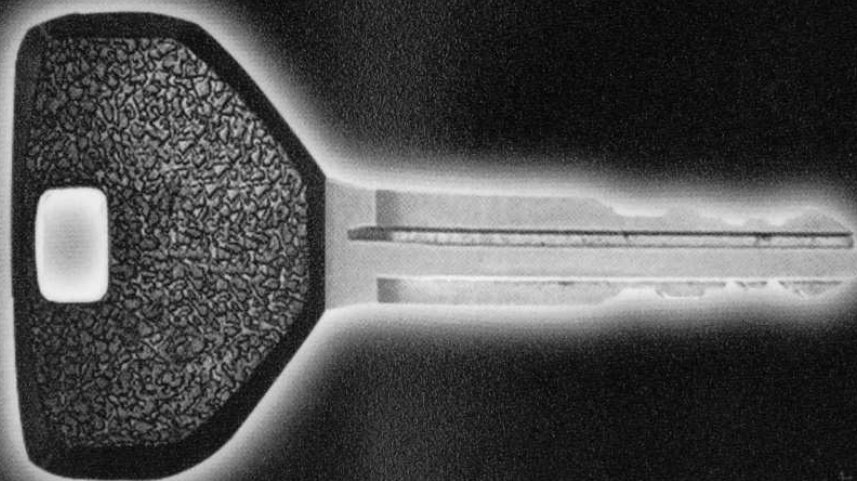




# User's manual



**ATV250-11B**



## PREFACE

Thank you for purchasing our vehicle, and welcome to our world-wide family of BASHAN owners. We proudly produce an exciting line of utility and recreational products. We believe BASHAN sets a standard of excellence for all utility and recreational vehicles manufactured in the world today. Many years of experience have gone into the engineering, design, and development of our ATV, making it the finest machine we've ever produced.

For safe and enjoyable operation of your vehicle, be sure to follow the instructions and recommendations in this owner's manual. Your manual contains instructions for minor maintenance, ATV specifications, and drive safety. Due to this manual you can know necessary skill of ATV driving. Otherwise owners may find out parts you need out of part's shape, name, coding or composed relationships through this manual, but for our products are in continue developing, can this make some difference between real object and image, please according to real object.

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## IMPORTANT SAFETY INFORMATION

### ● WARNING

Improperly riding vehicle may cause severe injury or death.

Always use an approved helmet and protective gear, otherwise it may cause severe injury or death.

Never operate an ATV on a public street, road or highway, including a dirt or gravel road.

Never carrying a passenger on an ATV, it could result in loss of control and accident.

Never operating the ATV after consuming alcohol or drugs, it may cause hallucination, distraction and disability and result in an accident.

Never drive under bad spirit and tired situation.

The engine exhaust from this product contains chemicals known to cause cancer or other reproductive harm.

So never start the engine or let it run in an enclosed area.

Properly riding to avoid vehicle overturns on hills and rough terrain, and in turns.

Avoid paved surfaces, which may adversely affect handling and control.

### ● PROHIBITED

PROHIBITED: Operate without proper training or instruction.

PROHIBITED: Operate on public highway. A collision can occur with another vehicle.

PROHIBITED: Operate at speed beyond your skills or the conditions.

PROHIBITED: Take ALCOHOL or DRUGS before or while operating this vehicle.

PROHIBITED: Carry Passengers.

PROHIBITED: Drive in tired condition or bad spirit.

PROHIBITED: Start the engine or let it run in an enclosed area.

PROHIBITED: Never allow anyone under 16 years of age to operate this ATV.

### WARNING STICKER

Warning stickers shall be placed on left and right side of the ATV for your protection.

Read and follow the instructions of the decals on the ATV carefully. If any of the decals depicted in this manual differs from the decals on Your ATV, always read and follow the instructions of the decals on the ATV.

The safety alert warning indicates a potential hazard that may cause serious injury or death.

The safety alert caution indicates a potential hazard that may cause minor injury or damage to the vehicle.

Serious injury or death can result if you do not follow these instructions and procedures, which are outlined in further detail within your

owner's manual.

Never operate an ATV without proper instruction. Please take a training course about ATV.

Never permit a guest to operate the ATV unless the guest has read this manual and all product labels and has completed a certified safety training course.

Never operate an ATV without wearing an approved helmet that fits properly. Always wear eye protection (goggles or face shield), gloves, boots, a long-sleeved shirt or jacket, and long pants.

Never consume alcohol or drugs before or while operating an ATV.

Always avoid riding an ATV on paved surfaces, including pavillion, driveways, parking lots, and express way.

Never operate at excessive speed. Travel at speed appropriate for the terrain, visibility and operating conditions, and your experience.

Never attempt wheelies, jumps or other stunts.

Always check your ATV make sure it is in normal operating condition before operating. Always follow the inspection and maintenance procedures and schedules outlined in your owner's manual.

Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.

Always travel slowly with extra caution while operating on unfamiliar terrain. Be alert to changing terrain conditions.

Never operate on excessively rough, slippery or loose terrain.

#### Safe riding gear

##### helmet

Your helmet is the most important safety unit of protective gear for riding. A helmet can prevent a severe head injury. Select an approved helmet that meets safety standards in your state.

##### Clothing

Always wear clothing suited for riding. Riding ATV requires special protective clothing for comfort and to reduce the chance of injury.

Always wear long sleeves and long trousers to protect arms and legs. Riding trousers with kneepads and a jersey with shoulder pads provide the best protection.

##### Eye protection

Do not depend on sunglasses for proper eye protection. A pair of goggles or a helmet face shield offers the best protection for your eyes. They should be kept clean and be of shatterproof design

##### Gloves

Off-road style gloves with knuckle pads are the best for comfort and protection.



## Boots

The best footwear is a pair of strong over-the-calf boots with heels, like motor-cross boots.

## ● Know your vehicle

As the operator of the vehicle, you shall be responsible for your personal safety, the safety of others, and the protection of our environment. Read and understand your owner's manual, which includes valuable information about all aspects of your vehicle, including safe operating procedures.

This ATV is not a toy. It is much more difficult to operate than other vehicles, such as motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers like turning, or driving on hills or over obstacles, if you fail to take proper precautions.

This vehicle is an ADULT VEHICLE ONLY. Operation is prohibited for anyone under 16 years old.

## Safe training

When you purchase your new ATV, your dealer will offer a hands-on safety training course that covers all aspects of vehicle safety. You were also provided with printed materials that explain safe operating procedures. You should review this information on a regular basis.

This is an off-road vehicle. Be familiar with all the laws and regulations concerning the operation of the ATV in your area.

We strongly advise you to strictly follow the recommended maintenance procedure outlined in your owner's manual. This preventive Maintenance program is designed to ensure that all critical components on your vehicle are thoroughly inspected at specific intervals.

## Operator safety

### ●TIRE

Loading capacity: INCLUDE DRIVER, LOAD, VEHICLE, TATALLY 270KG

TIRE PRESSURE: FRONT 100KPa REAR 100KPa

### WARNING

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

### ●loading

Reduce speed and allow greater distance for braking while carrying cargo. Overloading or carrying tall, off-center, or unsecured loads will increase your risk of losing control. Loads should be centered, carried as low as possible, and firmly secured to the racks. With dual racks, load distribution 1/3 front 2/3 rear is best. For stability on rough or hilly terrain, reduce speed and cargo. Do not block headlight. Be careful if load extends over the side of the rack.

Rack loads (IF HAVE RACK) : FRONT 10KG, REAR 20KG

Do not tow from rack or bumper .Vehicle damage or tip over may cause severe injury or death. Tow only from tow hooks or hitch.

### ●Air cleaning filter

### WARNING

Operation of this vehicle without the air filter element will severely damage the engine.

Clean pre-filter element often, more frequently cleaning required in dusty conditions. Do not operate vehicle before cleaning.

Operation of this vehicle without engine breather filter(s) can cause engine damage. Consult owner's manual or dealer for details.

### ●DRIVING ATTENTION:

Never operate on hills too steep for the ATV or for your abilities Practice on smaller hills before attempting larger hills.

Always follow proper procedures for climbing hills, Check the terrain carefully before ascending a hill. Never climb hills with excessively slippery or loose surfaces. Keep your weight forward. Never open the throttle suddenly or make sudden gear changes. Never go over the top Of a hill at high speed.

Always follow proper procedures for going downhill and for braking on hills. Check the terrain carefully before you ride down a hill. Keep



your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle, which would cause the vehicle to lean sharply to one side. Travel straight down the hill when possible.

Always follow proper procedures for crossing the side of a hill. Avoid hills with excessively slippery or loose surfaces. Keep your weight to the uphill side of the ATV. Never attempt to turn the ATV around on any hill until you've mastered (on level ground) the turning skill outlined in this manual. Avoid crossing the side of a steep hill when possible.

Always follow proper procedures if you stall or roll backwards while climbing a hill. To avoid stalling, maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual. Always dismount on the uphill side, or to either side if the ATV is pointed straight uphill. Turn the ATV around and remount following the procedure described in this manual.

Never attempt to operate over large obstacles, such as rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.

Always be careful of skidding or sliding. On slippery surfaces like ice, travel slowly with extra caution to reduce the chance of skidding or sliding out of control.

Avoid operating the ATV through deep or fast-flowing water. If it's unavoidable, travel slowly, balance your weight carefully, avoid sudden movements, and maintain a slow and steady forward motion. Don not make sudden turns or stops, and do not make sudden throttle changes.

Always check for obstacles or people behind the ATV before operating in reverse. When it's safe to proceed in reverse, move slowly and avoid turning at sharp angles.

#### Instruction to using brake

Wet brakes may have reduced stopping ability. Always check the brakes after leaving water. If necessary, apply them several times to let friction dry out the pads.

Reduce speed when carrying cargo or pulling a trailer. Based on manual allow a greater distance for braking.

#### Modification Attention

We are concerned for the safety of our customers and for the general public. Therefore, we strongly recommend that consumers do not install on an ATV any equipment that may increase the speed or power of the vehicle, or make any other modifications to the vehicle for these purposes. Any modifications to the original equipment of the vehicle create a substantial safety hazard and increase the risk of bodily injury. The warranty on your ATV is terminated if any equipment has been added to the vehicle, or if any modifications have been made to the vehicle.

NOTE: The addition of certain accessories, including (but not limited to) mowers, blades, tires, sprayers, or large racks, may change the

handling characteristics of the vehicle. Adopt only approved accessories of our company, and familiarize yourself with their function and Effect on the vehicle.

## POTENTIAL HAZARD and HOW TO AVOID THE HAZARD

### WARNING

POTENTIAL HAZARD: Operating this ATV without following instruction

#### WHAT CAN HAPPEN

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

#### HOW TO AVOID THE HAZARD

Beginning and inexperienced operators should complete the certified training course offered by dealer. Operators should regularly practice the skills learned in the course and the operating skill described in the owner's manual.

### WARNING

POTENTIAL HAZARD: Carrying a passenger on an ATV.

#### WHAT CAN HAPPEN

Carrying a passenger greatly reduces the operator's ability to balance and control the ATV, which could cause an accident and injury to the operator and/or passenger.

#### HOW TO AVOID THE HAZARD

Never carry a passenger. The purpose of the long seat is to allow the operator to shift position as needed during operation. It is not intended For carrying passengers.

### WARNING

POTENTIAL HAZARD: Failure to follow the age recommendations for this ATV.

#### RISK



Severe injury and/or death could occur if a child under the minimum age recommendation operates an ATV. Even though a child may be within the recommended age group for operating some ATVs, he/she may not have the skills, abilities, or judgment needed to operate an ATV safely and could be susceptible to accident or injury.

#### HOW TO AVOID THE HAZARD

No one under the age of 16 should operate a ATV

#### WARNING

POTENTIAL HAZARD: Operating this ATV on public streets, roads or highway.

#### WHAT CAN HAPPEN

The ATV could collide with another vehicle.

#### HOW TO AVOID THE HAZARD

Never operate the ATV on any public street, road or highway, including dirt and gravel roads. In many areas and countries it's illegal to operate ATVs on public streets, roads and highways.

#### WARNING

POTENTIAL HAZARD: Operating an ATV on paved surfaces, including sidewalks, paths, parking lots, and driveways.

#### WHAT CAN HAPPEN

ATV tires are designed for off-road use. Operating on paved surfaces may seriously affect the handling and control of the ATV and could Result in loss of control, accident, and /or injury.

#### HOW TO AVOID THE HAZARD

Avoid operating the ATV on pavement. If it's unavoidable, travel slowly and avoid sudden turns or stops.

#### WARNING

POTENTIAL HAZARD: Operating this ATV without wearing an approved helmet, eye protection and protective clothing.

#### WHAT CAN HAPPEN

Operating an ATV without an approved helmet increases the risk of a severe head injury or death in the event of an accident. Operating without eye protection could result in an accident and could increase the chance of a severe injury in the event of an accident.

#### HOW TO AVOID THE HAZARD

Always wear an approved helmet that fits properly. Always wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.

#### WARNING

POTENTIAL HAZARD: Operating the ATV after consuming alcohol or drugs.

#### WHAT CAN HAPPEN

Consumption of alcohol and/or drugs could seriously affect operator judgment. Reaction time may be slower and operator balance and Perception could be affected. IT could result in an accident causing severe injury or death.

#### HOW TO AVOID THE HAZARD

Never consume alcohol or drugs before or while operating an ATV.

#### WARNING

POTENTIAL HAZARD: Operating the ATV at excessive speeds.

#### WHAT CAN HAPPEN

Excessive speed increases the operator's chance of losing control of the ATV, which can result in an accident.

#### HOW TO AVOID THE HAZARD

Always operate the ATV at a speed that's proper for the terrain, visibility and operating conditions, and your experience.

#### WARNING

POTENTIAL HAZARD: Attempting wheelies, jumps and other stunts.



#### WHAT CAN HAPPEN

Attempting stunts increases the chance of an accident, including an overturn.

#### HOW TO AVOID THE HAZARD

Never attempt wheelies, jumps, or other stunts. Avoid exhibition driving.

#### WARNING

POTENTIAL HAZARD: Failure to inspect the ATV before operating.

#### WHAT CAN HAPPEN

Poor maintenance increases the possibility of an accident or equipment damage.

#### HOW TO AVOID THE HAZARD

Always inspect your ATV especially ensure fastener nuts tightness of important parts before each use to make sure it's in safe operating condition.

#### WARNING

POTENTIAL HAZARD: Removing hands from the handlebars or feet from the footrests during operation.

#### WHAT CAN HAPPEN

Removing even one hand or foot can reduce ability to control the vehicle or could cause loss of balance and ejection from the ATV. If the Operator's foot is not firmly planted on the footrest, it could come into contact with the rear wheels and lead to accident or injury.

#### HOW TO AVOID THE HAZARD

Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.

#### WARNING

POTENTIAL HAZARD: Failure to use extra caution when operating the ATV on unfamiliar terrain.

#### WHAT CAN HAPPEN

Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or overturn and lead to accident or injury.

#### HOW TO AVOID THE HAZARD

Travel slowly and use extra caution when operating on unfamiliar terrain, always be alert to changing terrain conditions.

#### WARNING

##### POTENTIAL HAZARD:

Failure to use extra caution when operating on excessively rough, slippery or loose terrain.

#### WHAT CAN HAPPEN

Operating on excessively rough, slippery or loose terrain could cause loss of traction or loss of control, which could result in an accident or overturn.

#### HOW TO AVOID THE HAZARD

Do not operate on excessively rough, slippery or loose terrain until you're learned and practiced the skills necessary to control the ATV on such terrain.

#### WARNING

##### POTENTIAL HAZARD: Turning improperly

#### WHAT CAN HAPPEN

Improper turns could cause loss of control and lead to a collision or overturn.

#### HOW TO AVOID THE HAZARD

Always follow proper procedures for turning as described in the owner's manual. Practice turning at slow speeds before attempting to turn at faster speeds. Never turn at excessive speed.

#### WARNING

##### POTENTIAL HAZARD: Operating on excessively steep hills.



### WHAT CAN HAPPEN

The vehicle may overturn.

### HOW TO AVOID THE HAZARD

Never operate on hills too steep for the ATV or for your abilities.

Never operate the ATV on hills steeper than 20°. Practice on smaller hills before attempting large hills.

### WARNING

POTENTIAL HAZARD: Climbing hills improperly.

### WHAT CAN HAPPEN

Improper hill climbing could cause loss of control or overturn.

### HOW TO AVOID THE HAZARD

Always follow proper procedures for climbing hills as described in the owner's manual.

Always check the terrain carefully before ascending any hill.

Never operate the ATV on hills steeper than 20°.

Never climb hills with excessively slippery or loose surfaces. Shift your weight forward.

Never open the throttle suddenly while traveling uphill. The ATV could flip over backwards.

Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.

### WARNING

POTENTIAL HAZARD:

Traveling downhill improperly.

### WHAT CAN HAPPEN

Improperly descending a hill could cause loss of control or overturn and lead to injury or death.

### HOW TO AVOID THE HAZARD

A special technique is required when braking while traveling downhill.

Always check the terrain carefully before descending a hill. Shift your weight backward.

Never travel down a hill at high speed.

Avoid traveling down a hill at an angle, which would cause the vehicle to lean sharply to one side. Travel straight down the hill when possible.

#### **WARNING**

**POTENTIAL HAZARD:** Improperly crossing hills and turning on hills.

#### **WHAT CAN HAPPEN**

Improperly crossing or turning on hills could cause loss of control or overturn and lead to injury or death.

#### **HOW TO AVOID THE HAZARD**

Never attempt to turn the ATV around on any hill until you've mastered the turning technique as described in the owner's manual. Use extra caution when turning on any hill. Avoid crossing the side of a steep hill.

Avoid hills with excessively slippery or loose surfaces.

#### **WARNING**

**POTENTIAL HAZARD:**

Stalling, rolling backwards or improperly dismounting while climbing a hill.

#### **WHAT CAN HAPPEN**

The vehicle could cause loss of control or overturn and lead to injury or death.

#### **HOW TO AVOID THE HAZARD**

Keep steady speed when climbing a hill. If all forward speed is lost, keep your weight uphill.

If ATV begins rolling backwards, apply the brakes.

Lock the parking brake when fully stopped.

If the ATV begins rolling backwards, keep weight uphill; never apply engine power; never apply the rear brake while rolling backwards.

Apply the single-lever brake gradually.

When fully stopped, apply the rear brake as well, and then lock the parking brake,



Dismount on uphill side, or to either side if ATV is pointed straight uphill.  
Turn the ATV around and remount.

#### **WARNING**

**POTENTIAL HAZARD:** Improperly operating over obstacles.

#### **WHAT CAN HAPPEN**

Operating over obstacles could cause loss of control or overturn and lead to injury or death.

#### **HOW TO AVOID THE HAZARD**

Before operating in a unfamiliar area, check for obstacles. Avoid operating over large obstacles such as rocks and fallen trees if possible, If unavoidable, take extreme caution and always follow proper procedures as outlined in the owner's manual.

#### **WARNING**

**POTENTIAL HAZARD:** Skidding or sliding.

#### **WHAT CAN HAPPEN**

Skidding or sliding can cause loss of control. If the tires regain traction unexpectedly, the ATV could overturn.

#### **HOW TO AVOID THE HAZARD**

Avoid skidding or sliding, on slippery surfaces such as ice, travel slowly and take extra caution to reduce the chance of skidding or sliding out of control.

#### **WARNING**

**POTENTIAL HAZARD:** Improperly operating in reverse.

#### **WHAT CAN HAPPEN**

The ATV could collide with an obstacle or person, resulting in severe injury.

### HOW TO AVOID THE HAZARD

Before shifting into reverse gear, always check for obstacles or people behind the ATV. When it's safe to proceed, back slowly.

### WARNING

POTENTIAL HAZARD: Operating the ATV through deep or fast-flowing water.

### WHAT CAN HAPPEN:

Tires may float, causing loss of traction and loss of control, which could lead to an accident or overturn.

### HOW TO AVOID THE HAZARD

Avoid operating the ATV through deep or fast-flowing water. If it's unavoidable to enter water that exceeds the recommended maximum depth, travel slowly, balance your weight carefully, avoid sudden movements, and maintain a slow and steady forward motion. Do not make sudden turns or stops, and do not make sudden throttle changes. Wet brakes may have reduced stopping ability. Always test the brakes after leaving water. If necessary, apply them several times to let friction dry out the pads.

### WARNING

POTENTIAL HAZARD: Operating this ATV with improper tires, or with improper or uneven tire pressure.

### WHAT CAN HAPPEN

It could cause loss of control or accident and resulting in injury to adopt improper tires, or operation of the ATV with improper or uneven tire pressure.

### HOW TO AVOID THE HAZARD

Always adopt size and type of the tires specified for the ATV. Always maintain proper tire pressure as specified.

### WARNING

POTENTIAL HAZARD: Operating the ATV with improper modifications.

### WHAT CAN HAPPEN



Improper installation of accessories or modification of the ATV may cause changes in handling which could lead to an accident resulting in injury or death.

#### HOW TO AVOID THE HAZARD:

Never modify the ATV through improper installation or use of accessories. All parts and accessories added to the vehicle must be genuine our company or equivalent components designed for use on this ATV and should be installed and used according to approved instructions. See your local authorized dealer for more information.

#### WARNING

##### POTENTIAL HAZARD:

Overloading the ATV or carrying/towing cargo improperly.

#### WHAT CAN HAPPEN

Overloading and towing can cause changes in vehicle handling, which could lead to loss of control or an accident.

#### HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this ATV. Never carry passengers.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo or pulling a trailer. Allow a greater distance for braking.

Always follow the instructions in the owner's manual for carrying cargo or pulling a trailer.

#### WARNING

POTENTIAL HAZARD: Operating on frozen bodies of water.

Severe injury or death can happen if the ATV and/or the operator fall through the ice for loss of control

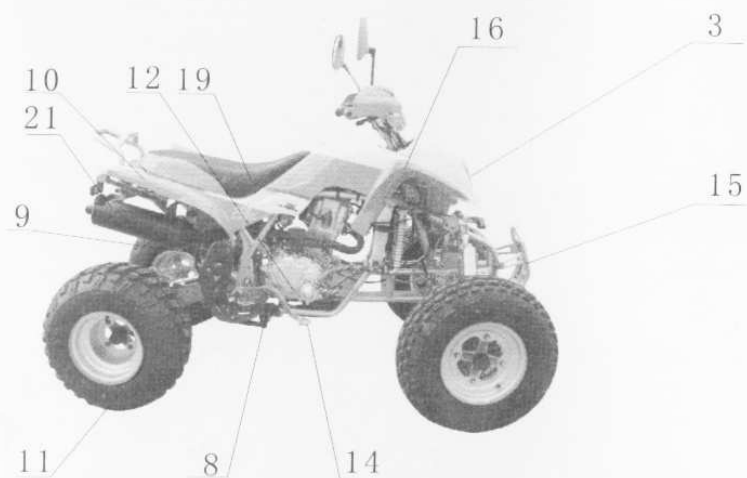
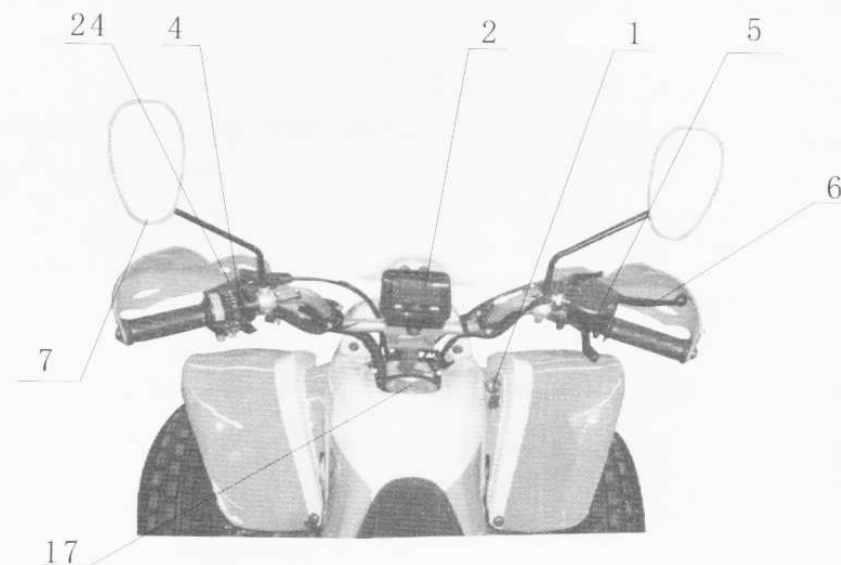
#### HOW TO AVOID THE HAZARD

Never operate the ATV on a frozen body of water.

## CONTROLS

### ● Location

1	Main Switch	13	Shifting Lever
2	Speedometer	14	Brake Pedal
3	Front Light	15	Bumper
4	Left Handlebar	16	Front Fender
5	Right Handlebar	17	Tank Cap
6	Parking Lever	18	Front Shock Absorber
7	Rear Mirror	19	Seat
8	Footstand	20	Front Wheel
9	Rear Shock Absorber	21	Muffler
10	Rear Fender	22	Front Turning Light
11	Rear Wheel	23	Rear Turning Light
12	Engine	24	Clutch Lever





## ● Main Switch

Main switch is located on the right side of the vehicle.

There are ON "○" and OFF "⊗" on the switch.

Turn the key to ⊗, main switch is turned off, the engine can not be started. The key can be removed.

Turn the key to ○, the engine can be started, main switch is turned on, and the key can not be removed.

## WARNING

Leaving the keys in the ignition can lead to unauthorized use of the vehicle resulting in serious injury or death. Always remove the ignition key when the vehicle is not in use. Remove the spare key and store it in a safe place. If both keys are lost, the ignition switch must be replaced.

## Left Control Lever

### Emergency Switch

Press the emergency switch to start the engine; press again to stop the engine. The purpose is to provide operator with a quick means of engine shutdown in case of an emergency.

### Parking Brake Lever

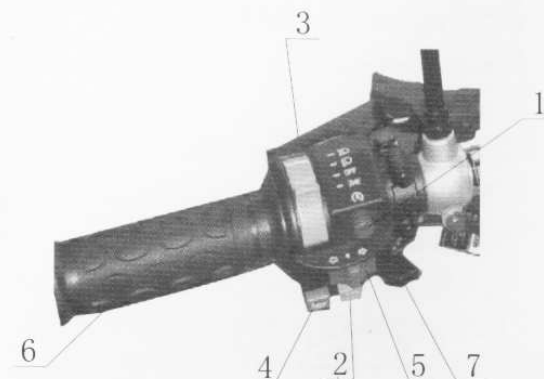
Stop e parking brake.

Pull the park brake lever left to engage the brake.

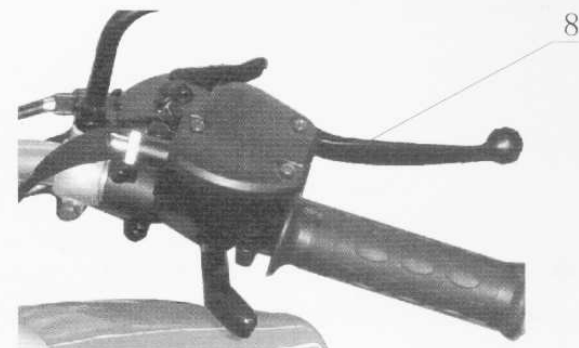
Push the brake lever forward to release the rear wheel.

## Main Switch

To start the engine, turn the stop switch and main switch on the ○ position. Squeeze the clutch lever by left hand, and step the brake pedal by right foot. Release the key when the engine starts.



1	Electric Start Button
2	Stop Switch
3	High and dipped Beam Switch
4	Horn Switch
5	Turning Light
6	Handle Rubber
7	Chork Switch
8	Parking Lever



## WARNING

Activate the starter for a maximum of 5 seconds. It only can be started again in 10 seconds when releasing the key.

Operating the ATV while the parking brake is engaged could result in an accident and serious injury or death. Always check to be sure the parking brake is disengaged before operating.

The parking brake may relax if left on for a long period of time. Always block the wheels to prevent rolling.

### ● Accelerator controller

Throttle controls is located on the right side of handlebar.

#### Throttle Lever

Engine speed and vehicle movement are controlled by pressing the throttle lever .

The throttle lever is spring loaded. Engine speed returns to idle when the lever is released.

#### Speed Limit Screw:

Loosen the tightening nut, twist the adjust screw② to control the maximum speed. Twist the nut anticlockwise to increase the speed, and clockwise to decrease the speed. Tighten the tightening nut when adjust the speed.

## WARNING

Operating an ATV with sticking or improperly operating throttle controls could cause an accident and lead to severe injury or death.

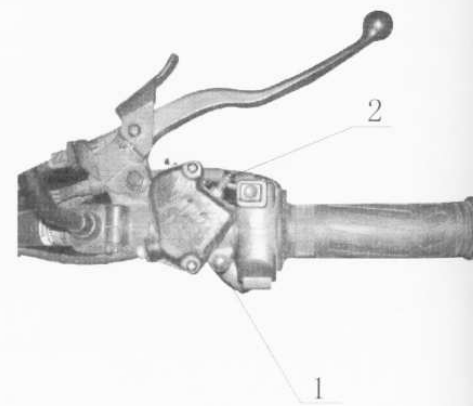
Never start or operate an ATV with a sticking or improperly operating throttle. Always contact your dealer for service if throttle problems arise.

Failure to check or maintain proper operation of the throttle system can result in an accident if the throttle lever sticks during operation.

Always check the lever for free movement and return before starting the engine. Also check occasionally during operation.

### ● auxiliary Brake Lever

The auxiliary brake is applied by squeezing the brake lever toward the handlebar . It only acts on





the front wheels

Your ATV has an auxiliary brake for added safety. It's located on the right side of handlebar and is operated by the right hand. The auxiliary brake serves as a backup to the main brake system if the main system becomes inoperative. If the rear wheels slide while using the auxiliary brake, reduce brake lever pressure to brake the rear wheels without skidding.

#### CAUTION:

The brake fluid in the master cylinder, which is located on the right handlebar, should be checked before each ride. The fluid level can be seen through an indicator window on the top of the master cylinder. This eye will appear dark when the fluid level is full. When fluid needs to be added, the eye will be clear.

When checking the fluid level, the ATV must be on level ground with the handlebars straight. If the fluid level is low add DOT 3 brake fluid only.

#### WARNING

Operating the ATV with a spongy brake lever or low brake fluid level can result in loss of braking, which could cause an accident.

Take caution when applying the auxiliary brake. Do not aggressively apply the auxiliary brake when going forward. The front wheels may skid and slide sideways, causing loss of control and serious injury or death.

Aggressively applying the auxiliary brake when driving down a hill may cause rear tip over, which could result in serious injury or death.

After opening a bottle of brake fluid, always discard any unused portion. Never store or use a partial bottle. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. The moisture causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of accident or severe injury.

### ● Main Brake

The front and rear brakes are applied by pressing the brake pedal by right foot. The front and rear brakes are hydraulically activated disc type brakes that are activated by only one pedal. The method to check the main brake travel and auxiliary brake is the same.

#### Brake Fluid Level

Check the brake fluid level frequently for the brake system. The reservoir is located under the seat or near the auxiliary brake. Maintain the fluid level between the maximum and minimum marks.

### CAUTION:

Always inspect the brake pedal. Lubricate the function parts frequently. The vehicle only can be driven when the broken or deformed brake pedal is maintained or replaced.

Always test brake pedal travel and master cylinder fluid level before riding.

When pressed, the pedal should feel firm.

Any sponginess would indicate a possible fluid leak or low master cylinder fluid level, which must be corrected before riding. Contact your dealer for proper diagnosis and repairs.

Always check disc brake fuel tube and disc brake pump leaks or broken before riding. Contact your dealer or authorized maintenance to replace the broken parts.

### WARNING

Operating the ATV with low brake fluid level can result in loss of braking, which could cause an accident.

Operating the ATV with a spongy brake pedal can result in loss of braking, which could cause an accident.

Operating the ATV with leak disc brake tube or disc brake pump can result in no braking, which could cause an accident.

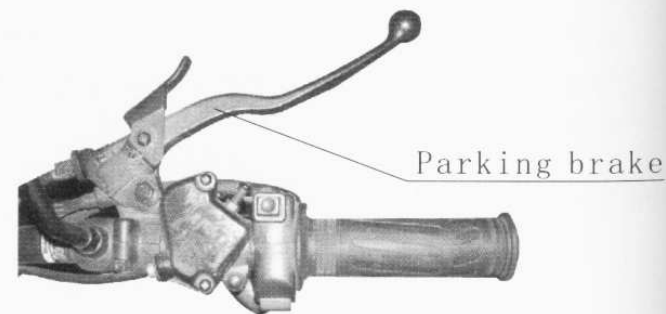
#### ● parking brake

The parking brake is applied by pulling the parking brake lever. The parking brake lever is located on the right handlebar.

To set the parking brake, place the transmission in park, and stop the engine.

Pull the parking brake lever backward to the handlebar, now it's in parking term.

To release the parking brake, push the lever back to its unlocked position.



### CAUTION:

The parking brake may relax if left on for a long period of time. Always block the wheels to prevent rolling.

Always block the wheels on the downhill side of the ATV if leaving it parked on a hill. Another option is to park the ATV in a side hill position.

Never depend on the parking brake alone if the ATV is parked on a hill. Always block the wheels to prevent rolling.

### WARNING

Operating the ATV while the parking brake is engaged could result in an accident and serious injury or death.



### ● Fuel Valve, Fuel Filter

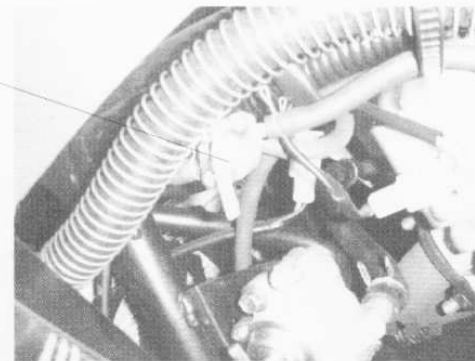
The fuel valve is located on the left side of tank bottom.

The switch up means it is in auxiliary oil condition. It is suggested.

The switch in the middle means the fuel valve is turned off. It is used for vehicle storage and when transporting. The switch down means the fuel valve is in the normal operation or auxiliary oil condition.

The in-line fuel filter should be replaced by your dealer after every 100 hours of operation, or annually. Do not attempt to clean the fuel filter.

Fuel valve



### ● Gear Shifting setting

Gears are applied by pressing the gear shifting pedal. Gear shifting pedal is located on the left side of the vehicle.

Gear shifting mode:

R ↔ N ↔ 1 ↔ 2 ↔ 3 ↔ 4

To shift into reverse gear, you must first apply the gear to N., then turn reverse control switch clockwise, meanwhile press forward the gear shifting pedal. To shift out reverse gear, tick backward only.

### CAUTION

Shifting gears with the engine speed above idle or while the vehicle is moving could cause transmission damage.

Whenever the ATV is left unattended, always place the transmission in N and lock the parking brake and steering lock.

To extend power, use low forward gear in heavy pulling situations and when operating at less than seven miles per hour for extended periods of time.

### ● Instrument cluster

Instrument cluster (if there is) is the rider's information center.

The instrument cluster works while getting through the power of the instrument cluster. The information and function of the instrument cluster is as follows:

- ① Indicator, left turning lamp
- ② high-light indicator
- ③ indicator light, neutral gear



- ④ indicator light, reverse gear
- ⑤ fuel-reminding lamp
- ⑥ indicator light, right turning lamp
- ⑦ speed indicator
- ⑧ Gear position indicator
- ⑨ speedo
- ⑩ rev indicator
- ⑪ mode switch
- (12) emergency lamp switch
- (13) Metric/Mile switch

### Warning

Do not knock scratch the surface of instrument cluster, it will be damaged; do not refit or amend it, if something wrong with it, please contact the local dealer.

### ● carburetor

#### Caution:

Carburetor is a precision instrument; please do not dismantle it without professional knowledge.

Please check the intake valve of carburetor regularly, in order to avoid accident, please make sure if there is impurity

If there is jam in carburetor, please ask for clearance in the professional maintenanceshop or dealer.

Please check if there is oil leaking before riding, if there is, please repair before riding.

- ① idle adjusting screw
- ② draining oil screw

Start the engine and warm the cylinder up to 95

Put the engine tachometer to the engine, or with a remoter.

Turning the idle adjusting screw with timing way can enlarge idle, Turning the screw

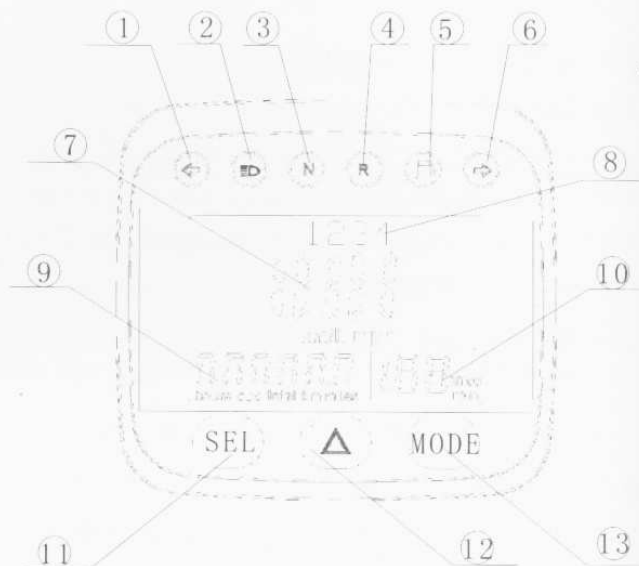
With the betraying the timing way could reduce the idle,

when the tachometer fluctuates between 1400r/min and 1600r/min, please stops.

#### Caution

The best proper way of engine idle adjustment must be taken under certain temperature.

Do not attempt to adjust the idle in other system; you can adjust it in professional maintenance shop or dealer shop.



### ● battery

#### Caution

Electrolyte is poisonous, please do not dispose casually, and treat it according to the national or local environment regulations. Please take off the battery if the vehicle will be free for a long time, after full of charging, put it in dry circumstance.

If you want to keep the battery in the vehicle, you should disconnect the wires with the anode of the battery, and then disconnect the anode of the battery, do not have cathode or anode contacted the metal in order to avoid short circuit.

If the electrolytes touch your skin, you can wash it with water.

If the electrolyte touch your eyes, please wash it at once no less than 15 minutes and then ask for the doctor's help.

Electrolyte is poisonous, if you drink careless, you can drink much of water or milk and ask the doctor's help at once.

Do not let the kids touch. Before putting the battery into box, please cut the cathode firstly and then the anode.

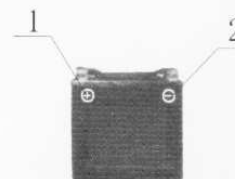
#### Warning

Keep far away of the spark, flame and cigarette, because battery can disperse poisonous gas. Please make sure there is ventilation if use the battery in a closed environment, or cause a explosion to dead.

The electrolyte is in battery, it could cause serious damage if touch the skin or eyes.

① anode ⊕

② cathode ⊖



### ● Engine cooling system

This engine is air and Water cooling, cooler is on the front of engine. If the Water cooler works smoothly

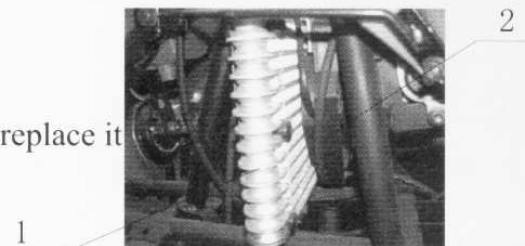
Is related to the normal work and useful life of the engine, you should chose the related coolant in certain areas and environment.

#### Caution

Keep regularly check the water cooler if there is dust in, if yes, please wash it at once.

Please check if the Water cooler fan works smoothly before riding, if the fan breaks, please replace it

① water cooler      ② fan



### ● Air filter

Clean the air filter every 30 days at least, if it works under the damp or dusty environment, please wash it more frequently.

Cleaning process.

Remove air filter from frame of vehicle.

Drain the dust or sediment out of the intake valve by high-pressure of air current.

Fit the air filter by the way of negative direction of withdraw.

#### Caution

Do not wash the filter element with petrol or other impregnant, because the filter element is made of paper and other kind of petrol or the impregnant is explosive, or it would cause an explosion or fire.

Please do not start the engine without the air filter, or it could accelerate the abrasion.

Operation of your vehicle without a breather filter can cause engine damage.

Always reinstall the breather filter after removing for service.

Please regularly check the intact of the air filter and maintenance or replace it if it is broken.



## OPERATION

### ● Fuel Safety

#### Caution:

Please use unleaded gasoline no less than 92#.

Gasoline is highly flammable and explosive under certain conditions. Always with extreme caution whenever handling gasoline.

Always refuel with the engine stopped, and outdoors or in a well ventilated area.

Do not smoke or allow flames or sparks in or near the area where refueling is performed or where gasoline is stored. Do not overfill the tank.

Do not fill the tank neck.

If gasoline spills on your skin or clothing,  
wash it immediately with soap and water and change clothing.

Turn the fuel valve off whenever the ATV is stored or parked.

#### Warning

Never refuel in a close environment. It may cause injury to body by the steam volatilized by gasoline.



No smoking and sparks are allowed during refueling. It may cause explosion or fire with people get injury or died.

### ● The engine wears in and the lubricating oil matters needing attention

The break-in period for your new ATV is defined as the first 20 hours of operation, or the time it takes to use the first four full tanks of gasoline. No single action on your part is as important as following the procedures for a proper break-in. Careful treatment of a new engine will result in more efficient performance and longer life for the engine. Perform the following procedures carefully.

### CAUTION

Overheat build-up during the first 5 hours of operation will damage close-fitted engine parts. Do not operate at full throttle or high speed for extended periods during the first 5 hours of use.

Using different brands or non-recommended oil may cause serious engine damage. We recommend the use of Premium synthetic Oil or another SAE 15W/40-SE, or SE, SF, SC

API certified SH oil. Never substitute or mix oil brands.

Check the oil reservoir level on the dipstick Add oil if necessary to maintain the level between the safe and add marks.

Drive slowly at first. Select an open area that allows room to familiarize yourself with vehicle operation and handling.

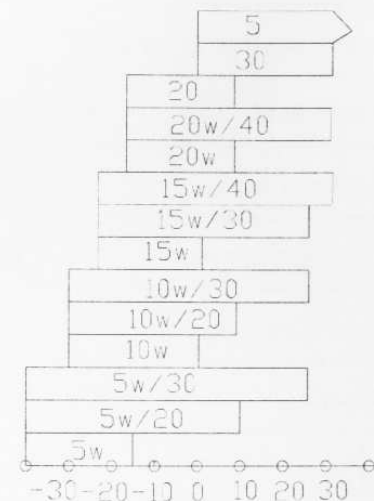
Perform regular checks on fluid levels, during the break-in period; change both the oil and the filter at 20 hours, 200 miles, or one month, whichever comes first?

### ● Pre-Ride Inspection

#### Warning

It would cause severe injury or accident of death if there is lack of proper inspection. Make sure the vehicle is under the good condition for riding.

Inspecting Items for pre-riding



## WARNING

If a proper inspection is not done before each use, severe injury or death could result. Always inspect the vehicle before each use to ensure it's in proper operating condition.

Item	Remark	Item	Remark
Brake system/lever travel	Ensure proper operation	Frame nuts, bolts, fasteners	Inspect, ensure each nuts and bolts tightness
Brake fluid	Ensure proper level(if applicable)	Fuel and oil	Ensure proper levels
Auxiliary brake	Ensure proper operation(if applicable)	Coolant level (if applicable)	Ensure proper level(if applicable)
Front suspension	Inspect, lubricate if necessary	Coolant hoses (if applicable)	Ensure operation
Rear suspension	Inspect, lubricate if necessary	Indicator lights/switch	Ensure operation
Steering	Ensure free operation	Engine stop switch	Ensure operation
Tires	Inspect condition and pressure	Air filter, pre-filter	Inspect, clean
Wheels rim /fasteners	Inspect, ensure fastener tightness	Air box sediment tube	Drain deposits whenever visible
Headlight	Check normal or not	Brake light/tail light	Check normal or not
Riding gear	Wear helmet, goggles, protective clothing		

### ● Start the Engine

#### Start the Cold Engine

Turn the ignition key to the ON position to engage the starter. Turn the fuel tank valve on.

Sit on the vehicle and place the transmission in PARK, pull the choke knob out until engine starts..

If the engine slows or stops, place the choke knob half way in to allow proper engine warm-up.

Make the engine RPM vary slightly with the throttle to aid in warm-up. When the engine idles smoothly, push the choke completely in.

**CAUTION:** The variable choke is fully on when the knob is pulled completely out. The choke is off when the knob is pushed completely in. The choke can be adjusted gradually, depending on how much choke is needed for starting. Be sure the choke is off during operation, as excess fuel washing in to the engine oil will speed up wearing on engine components.

Activate the starter for a maximum of five seconds, releasing the key when the vehicle starts. If the engine does not start, release the starter and wait five seconds. Activate the starter for another five seconds if necessary. Repeat this procedure until the engine starts.

#### **WARNING**

Run the vehicle immediately after starting could cause engine damage. Allow the engine to warm up for several minutes before operating the vehicle.

#### **WARNING**

Engine exhaust contains poisonous carbon monoxide and can cause loss of consciousness resulting in severe injury or death.

#### Starting a Warm Engine

Warm engine do not normally require the use of the choke. Using the choke can cause the spark plug to become wet fouled.

Park the vehicle on a level surface with the transmission in PARK. 2.Lock the parking brake, turn the fuel tank valve on, sit on the vehicle, and turn the engine stop switch to RUN.

If the engine has cooled to a point where it does not readily start, pull the choke continuously (knob pulled half way out) may be necessary.

If the engine is over-choked when heating, depress the throttle lever fully while cranking to aid in starting.

Release the throttle lever immediately after the engine starts. If the engine does not start and all conditions are favorable, change the spark plug and try again.



If the ATV is used year-round, check the oil level frequently. A rising oil level could indicate the accumulation of contaminants such as water or excess fuel on the bottom of the oil tank. Water on the bottom of the accumulation increases as outside temperature decreases.

## ● Wheel installation

Proper tire pressure can make the riding more comfortable and prolong the using time. Often check the tire pressure and adjust it when necessary.

pressure (Kpa)	Front wheel 100	Rear wheel 100
tire size	21 × 7-10	20 × 10-9

### Caution

Check the tire pressure before riding, and make sure if there is no cut, nail or other stiff things on the tire.

Check if the rim is sunken, transformed or needing replaced.

Always ensure that all nuts are tighten before driving.

Always replace tires when tread depth is worn to 1/8" (.3 com) or less.

### Warning

Do not repair the broken tire, or the balance and stability would be influenced and it may lead overturn.

Less of tire air can affect the steering stability and cause the hidden trouble, e.g. if the tire can not hold the ground tightly and cause the rim out of tire, even it is possible to loss control and cause death.

Overcharging of air also can cause danger, because it affects the friction and operation.

## ●Driving Safely

### Hauling Cargo

Your ATV has been designed to carry or tow a certain amount of load. Always read and understand the load distribution warning labels on the vehicle, and never exceed the weight capacities outlined in the specifications section of the owner's manual and on the safety decals.

Cargo weight should be evenly distributed (1/3 on the front rack and 2/3 on the rear rack) and mounted as low as possible. When operating over rough or hilly terrain, reduce speed and cargo weight to maintain stable driving conditions. Do not obstruct the headlight beam with cargo.

Use low forward gear when hauling or towing heavy cargo to extend belt life.

Cargo weight distribution should be 1/3 on the front rack and 2/3 on the rear rack. When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions. Carrying loads on one rack only increases the possibility of vehicle overturn.

Carrying loads high on the racks raises the center of gravity of the vehicle and creates a less stable operating condition.

### SECURE ALL LOADS BEFORE OPERATING.

Unsecured loads can create unstable operating conditions, which could result in loss of control of the vehicle.

### OPERATE ONLY WITH STABLE AND SAFELY ARRANGED LOADS.

When handling off-centered loads that cannot be centered, securely fasten the load and operate with extra caution. Always attach the tow load to the hitch point designated for your vehicle.

### HEAVY LOADS CAN CAUSE BRAKING AND CONTROL PROBLEMS.

Use extreme caution when applying brakes with a loaded vehicle. Avoid terrain or situations that may require backing downhill.

### USE EXTREME CAUTION

when operating with loads that extend over the rack sides. Stability and maneuverability may be adversely affected, causing the vehicle to overturn.

Do not block the front headlight beam when carrying loads on the front rack.

Do not travel faster than the recommended speeds.

Vehicle should never exceed 10 mph (16kph) while towing a load on a level grass surface. Vehicle speed should never exceed 5 mph (8kph) when towing loads in rough terrain, while cornering, or while ascending or descending a hill.

Warning!

Improper loading on your ATV can make you lose the control of steering or the steady of break, and lead to injury or death. Never carry cargo when no rear carrier or box are equipped to drive, otherwise accident will happen ,even cause injury or death to rider.

## Making Turns

### Note:

Your ATV is equipped with a solid rear axle, which drives both rear wheels equally at all times. The wheel on the outside of the turn travels a greater distance than the inside wheel when turning, and the inside tire slips traction slightly. To turn, steer in the direction of the turn, leaning your upper body to the inside of the turn while supporting your weight on the outer footpad. This technique alters the balance of traction between the rear wheels, allowing the turn to be made smoothly. The same leaning technique should be used for turning in reverse.

Practice making turns at slow speeds before attempting to turn at faster speeds.

### WARNING

Turning at sharp angles or at excessive speeds can result in vehicle overturn and lead to serious injury or death. Avoid turning at sharp angles. Never turn at high speeds.

## Driving on slippery surfaces

### Note:

Whenever riding on slippery surfaces such as wet trails or loose gravel, or during freezing weather, follow these precautions:

1. Slow down when entering slippery areas.
2. Maintain a high level of alertness, reading the trail and avoiding quick, sharp turns, which can cause skids.
3. Correct a skid by turning the handlebars in the direction of the skid and shifting you weight forward.
4. If you use AWD (if there is) when rear wheels still work, it may destroy the drive axle. Do not use AWD until rear wheels stopped or lose of traction.

### Warning:

Failure to exercise care when operation on slippery surfaces can result in loss of tire traction and cause loss of control, accident, and serious injury or death.

Never apply the brakes during a skid. Do not operate on excessively slippery surfaces. Always reduce speed and use additional caution, especially when downshifting.



### ●Driving uphill

Note:

Whenever traveling uphill, following these precautions:

1. Always travel straight uphill.
2. avoid steep hills(20 maximum)
3. Keep both feet on the footplates and shift your weight forward.
4. Proceed at a steady rate of speed and throttle opening.
5. Be alert and prepared to take emergency action. This may include quick dismounting of vehicle.

Warning:

Braking and handling are greatly affected when operating in hilly terrain. Improper procedure could cause loss of control or overturn and result in serious injury or death.

It may cause loss of control or overturn when operating on hill more than 20° .

Use extreme caution when operating on hills, and follow all procedures outlined in the owner's manual.

### ●Driving across hills

Note:

. Avoid crossing the side of a hill when possible. Follow proper procedures as outlined in the owner's manual.

If you enter into a situation where side hilling is unavoidable:

1. Slow down.
2. Lean into the hill, transferring your upper body weight toward the hill while keeping your feet on the footplates.
3. Steer slightly into the hill to maintain vehicle direction.
4. If the vehicle begins to tip, quickly turn the front wheels downhill, if possible, or dismount on the uphill side immediately!

Warning!

Improperly crossing hills or turning on hills can result in loss of control or vehicle overturn, resulting in severe injury or death

### ●Driving downhill

Note:

Whenever descending a hill, follow these precautions:

1. Proceed directly downhill.

2. Transfer your weight to the rear of the vehicle.
3. Slow down.
4. Shift to the lowest gear possible while maintaining a safe speed.
5. Apply the foot brake slightly to aid in slowing.

**Warning:**

Excessive speed can cause loss of control and lead to serious injury or death. Always operate slowly when traveling downhill.

● **Turning around on a hill**

Avoid climbing steep hills (20° maximum)

Use extreme caution when operating on hills, and follow proper operation procedures outlined in the owner's manual.

If the vehicle stalls while climbing a hill, never back it down the hill!

One maneuver that can be used when it's necessary to turn around while climbing a hill is the K-turn:

Stop ATV, lock the parking brake, and keep your body weight uphill.

Shut off the engine leaving the transmission in gear.

Dismount on the uphill side of the vehicle or on the left side if the vehicle is pointing straight uphill.

Keep ATV uphill, and turn the handlebar to full left.

With the front brakes applied, pull in the clutch lever. Use the brakes to slowly allow the vehicle to roll around to your right until it's pointing across the hill or slightly downward.

Lock the parking brake, and restart from the direction of uphill; keep your body weight uphill.

Restart the engine with the working transmission system.

Release the parking brake and control the speed with hand brake until ATV reach smooth place.

**WARNING:**

Improper hill climbing procedures could cause loss of control or overturn and result in serious injury or death.

● **Driving through water**

**Note:**

Your ATV can operate through water with a maximum recommended depth equal to the level of the foottag. Follow these procedures when operating through water:

1. Check water depths and current before crossing.

2. Choose a crossing road where both banks have gradual inclines.
3. Proceed slowly, avoiding rocks and obstacles if possible.
4. After crossing, dry the brakes by applying light pressure to the lever until braking action is normal.
5. Avoid operating the vehicle through deep or fast-flowing water. If you cannot avoid water that exceeds the recommended maximum depth, go slowly, balance your weight carefully, avoid sudden movements, and maintain a slow and steady forward motion. Do not make sudden turns or stop, and do not make sudden throttle changes.
6. If your vehicle becomes immersed or is operated in water that exceeds the foot peg level, take it to your dealer for service before start the engine.

#### Warning!

Major engine damage can result if the vehicle is not thoroughly inspected after operation in water.

#### ● Driving over obstacles

Note:

Be alert!

Look ahead and learn to read the terrain you're traveling on. Be constantly alert for hazards such as logs, rocks and low hanging branches

#### Warning!

Severe injury or death can result if your vehicle comes in contact with a hidden obstacle. Not all obstacles are immediately visible. Travel with caution in unfamiliar terrain.

#### ● Driving in Reverse

Note:

Follow these precautions when operating in reverse:

1. Avoid move downhill in reverse gear.
2. Move back slowly. Apply the brakes lightly for stopping.  
avoid turning at sharp angles; never open the throttle suddenly while backing



Warning!

Failure to use caution when operating in reverse can result in serious injury or death. Before shifting into reverse, always check for obstacles or people behind the vehicle.

### ● parking on slope

Avoid parking on an slope if possible. If it's unavoidable, follow these precautions:

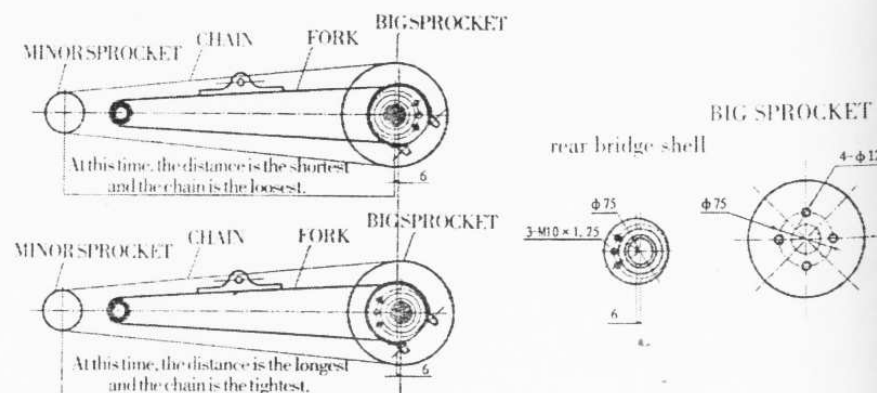
Turn the engine off place the transmission in first gear, lock the parking brake, always block the rear wheels on the down hill side. See illustration. Turn the fuel valve off. parking on slope

Avoid parking on an slope if possible. If it's unavoidable, follow these precautions:

Turn the engine off place the transmission in first gear, lock the parking brake, always block the rear wheels on the down hill side. See illustration. Turn the fuel valve off.

### ● CHAIN ADJUSTING STEPS

1. To have the engine been at neutral;
2. To fetch a bolt with  $M10 \times 1.25 \times 50$  at side;
3. Pushing the ATV back and for to make one of the  $\phi 12$  hole into the screw thread hole of  $M10 \times 1.25$   
(The middle screw thread hole should be better) in the rear bridge shell (see the sketch map of rear bridge Shell and bog sprocket);
4. to loosen the two bolts of  $M8 \times 100$  and bolts of M8 in the fork clip;
5. to get through the  $\phi 12$  hole and set it tightly in the screw tread hole ( $M10 \times 1.25$ ) with bolt of  $M10 \times 1.25 \times 50$ ;
6. pushing the ATV back and fro to adjust the chain.
7. To fetch out the bolt of  $M10 \times 1.25 \times 50$ ;
8. To tighten the two bolts of  $M8 \times 100$  and bolts of M8 in the fork clip.



## ●Periodic Maintenance Chart

Careful periodic maintenance will help keep your vehicle in the safest, most reliable condition. Inspection, adjustment and lubrication of important components are explained in the chart of maintenance and lubrication. Inspect, clear, lubricate, adjust and replace parts as necessary. When inspection reveals the need for replacement parts, use our genuine parts available from your dealer.

Vehicles subjected to severe use must be inspected and serviced more frequently.

Item	Maintenance Period		Remarks	Item	Maintenance Period		Remarks
	Date:	Month	Miles: Km		Date:	Month	Miles: Km
Steering	—	—	Check pre-ride	General lubrication	3	—	Lubricate all fittings
Front suspension	—	—	Check pre-ride	Carburetor	6	—	Inspect periodically
Rear suspension	—	—	Check pre-ride	Throttle	6	—	Inspect periodically
Braking pedal	—	—	Check pre-ride	Engine oil change	6	—	Replace periodically
Brake system	—	—	Check pre-ride	Radiator	12	—	Inspect, clean
wheels nuts	—	—	Check pre-ride	Muffle	12	—	inspect
Engine and frame connection	—	—	Check pre-ride	Cooling hose	6	—	Inspect leaking
Air filter element	3	—	Check pre-ride	chain	3	—	adjust, lubricate
Light	—	—	Check pre-ride	spark plug	1	—	Inspect, clean
oil tube	—	—	Check pre-ride	tire	1	—	Inspect
Brake pad	1	—	Inspect periodically	meter	—	—	Check pre-ride
Battery	1	—	Inspect periodically	circuit	—	—	Check pre-ride

## ●Maintenance and Lubrication

### ●Lubrication Recommendations

4 All Season synthetic engine oil of our company has been specially formulated for use in 4-cycle engines

It's a fully synthetic, high performance, multi-viscosity oil designed to provide the ultimate in lubrication performance and protection. You also can use the lubrication oil with the SH certificate under the 5W-15W/40, though it is recommended only for the use in engine.

### CAUTION!

Mixing brands or using a non-recommended oil may cause serious engine damage.

### ●Engine oil Level

The dipstick(1) is located on the right side of the engine

Start the engine and let it idle for 20 to 30 seconds

Stop the engine and remove the dipstick. Wipe it dry with a clean cloth

Reinstall the dipstick completely. The dipstick must be screwed completely to keep the angle and depth of the stick consistent.

Remove the dipstick and check the oil level Maintain the oil level between the full and add marks. Do not overfill

### Caution

If the ATV is used year-round, check the oil level frequently. A rising oil level could indicate the accumulation of contaminants such as water or excess fuel in the bottom of the oil tank. Please replace immediately if the oil level is under the limits.

### ●oil change

Position the vehicle on a level surface. Clean the area around the oil tank and crankcase

Run the engine for two to three minutes until warm, then stop the engine.

Place a drain pan beneath the oil tank and remove the drain plug, allow the oil to drain completely

Reinstall the drain plug and infuse 1 L of kerosene from dipstick.

Run the engine for 20 to 30 seconds, then turn off and drain.

Add fresh standard lubrication oil about 1.0L



### WARNING!

Please make sure the drain plug be tightened after the change of oil  
It will cause a great damage on the engine when you start engine without gasoline.

### ●The lubrication of transmission chain

Position the ATV on a level surface, start the engine and let it idle

Clean the transmission chain

Daub the transmission chain and wheels with cloth or brush conglutinated by the specified lubrication oil.

### CAUTION

Please replace the chain and sprocket wheel at the same time when they have been worn deeply.

### WARNING

Short of lubrication oil may accelerate the abrasion between chain and sprocket and then separated, it may cause loss of control and result in severe injury or death.

The chain lack of the lubrication will accelerate the abrasion between chain and chain wheels, cause severe injury and death

### ●Cooling System Maintenance.

The engine cooling system plays an important role in the cooling system.

The model of vehicle is liquid-cooling.and air cooling.

### CAUTION:

Frequently inspect the surface of the oil-cooler, please clean with water if there is dust, but not with too high-pressure water. Because it may make the radiator out of shape

Chcek the fans of the oil-cooled before operating, please replace if needed .

The insufficiency of the machine oil will cause the adverse performance of the radiator, thus frequently inspect and complement when need.

### WARNING.

The broken radiator and connecting hose may cause a great damage on the engine, please inspect pre-ride.

### ●The maintenance of braking system.

The braking system plays a great role in the safety of riding, thus its maintenance is very important

The front and rear brakes are hydraulic disc brakes, and activated by the foot brake pedal. Both brakes are self-adjusting. Some checking processes for sound braking condition are listed in the following.

#### CAUTION:

Never store or use any brake fluid, it is hygroscopic and will immediately absorb the aquosity in the air, the moisture will make the brake fluid boiling and dripping, cause the failure of the brake system. Desert a part of the useless after opening a bottle of brake fluid.

Check to see there is no leakage from the system

Check the overuse of the brake.

Check the braking pads for wear, immediately change if need

Replace the brake disc when it has been worn to  $\leq 3\text{mm}$

Check the brake main cylinder for proper oil level,

The replacement of the braking pads should be performed by your dealer.

#### WARNING!

One overcharged oil-tank may have the break overloaded or automatic locked, this would cause a serious injure and death. Please keep the breaking-oil on the proposal lever and do not overflow.

Severe injury or death can result from riding ATV under the condition of without brake, or inferior brake performance.

### ●THE MAINTENANCE OF F&R WHEELS

#### CAUTION:

Keep proper tire pressure as described on the ATV decal and in the owner's manual. Make sure the wheels are installed properly

Always replace tires when tread depth is worn to  $\leq 3\text{mm}$ .

The F&R wheel nuts is the key parts in the vehicle, please do not dismantle or install yourself

Tire pressure should be check before you ride while the tires are cold, check the tires for cuts, embedded nails, or other sharp objects.

Check the rims for dents or deformation.

Do not attempt to patch a damaged tire or inner tube, otherwise wheel balance and tyre reliability may be impaired

Improper tire inflation will cause abnormal tread wear and create a safety hazard.

## WARNING!

Operating your ATV with worn tires, improperly inflated tires, non-standard tires or improperly installed tires will affect vehicle operating and could cause an accident resulting in serious injury or death. Improperly installed wheels can adversely affect tire wear and vehicle handling, which can result in serious injury or death. Never install the rim with the valve stem to the inside of the vehicle. Always ensure that all nuts are torqued to specification.

## ● Spark plug maintenance

Please never use non-recommended spark plugs, Spark plug recommended: D8RTC      Proper Electrode Gap: 0.6-0.7mm.

### spark plug removal

Disconnect the spark plug cap from the spark plug

Clean the spark plug. Remove the spark plug using the plug wrench containing in the tool kit.

Inspect the electrodes and center 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.

Install spark plug in the reverse order of removal, please use recommended plug, max torque is 24N.m

### Judgment

The normal insulator tip is grey, tan or light brown. There will be few combustion deposits. The electrodes are not burned or eroded. This indicates the proper type and heat range for the engine and the service. A white insulator tip indicates overheating, caused by use of an improper spark plug or incorrect carburetion adjustments

The wet fouled insulator tip is black. A damp oil film covers the firing end. There may be a carbon layer over the entire nose. Generally, the electrodes are not worn. General causes of fouling are excessive oil, use of non-recommended oil, improper use of the choke, or incorrect carburetion adjustment.

## WARNING!

Using non-recommended spark plugs may result in serious engine damage

Please wear protective gloves when removing a spark plug for inspection to avoid the serious burns caused from the hot exhaust system and engine.



### ●Air cleaner maintenance

The air cleaner should be cleaned at least once every 30-day's drive. Service more frequently when riding in unusually wet or dusty areas. Unlatch and remove the seat, release the two airbox cover clip.

Wash the filter element in clean, nonflammable or high flash point solvent and let it dry

Reinstall the air cleaner in the reverse order of removal

### Caution

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

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, please replace if needed.

Please replace the air cleaner when it cannot be cleaned with high-pressured current.

### ●Lights

When servicing a halogen lamp, don't touch the lamp with bare fingers. Oil residue of your hand will cause a hot spot that will shorten the life of the lamp.

The headlight adjustment have been made before shipment, if possible, please do not adjust by yourself,

### WARNING!

Poor lighting while driving can result in severe injury or death. Headlight and taillight lenses become dirty during normal operation. Wash the Headlights frequently to maintain lighting quality.

Hot components can cause serious burns to skin. Do not service the headlamps until they've cooled sufficiently.

## ● Battery

### CAUTION:

When installing a new battery, make sure it's fully charged prior to its initial use. Using a new battery that has not been fully charged can damage the battery and result in a shorter life. It can also hinder vehicle performance.

When the vehicle is placed in storage for three months or more, the battery should be removed and stored in dark, cool, dry place. Test and recharge the battery monthly and before using again.

Use a voltmeter or multimeter to measure DC voltage. Fully charged battery will register 12.8 V or higher. If the voltage is less than 12.8 volts, recharge it.

Never plain tap water to a battery, it can ruin a battery because of the minerals in it. Only fill distilled water as plain water.

Please follow the specification below when use DC charging.

Note: Always verify battery condition before and 1-2 hours after charging.

### Warning!

An overheated battery could explode, causing severe injury or death. Always watch charging times carefully.

Stop charging if the battery becomes very warm to the touch. Allow it to cool before resuming charging.

Improperly connecting or disconnecting battery cables can result in an explosion and cause serious injury or death. When removing a battery, always disconnect the negative (black) cable first. When reinstalling the battery, always connect the negative cable last.

State of Charge	Voltage	Action	Charge time
100%	12.813.0 v	None, check at 3 months from date of manufacture	No required
75%--100%	12.512.8 v	May need slight charge, if no charge given, check in 3 months	3-6 hours
50%--75%	12.012.5 v	Needs charge	5-11 hours
25%--50%	11.512.0 v	Needs charge	At least 13 hours, verify state of charge
0%--25%	11.5 volts or less	Needs charge	At least 20 hours

## ● Cleaning, Storage and Transportation of the vehicle.

### Cleaning

Keep your vehicle clean will not only improve its appearance but also it can also extend the life of various components.

The best and safest way to clean the vehicle is with a garden hose and a pail of mild soap and water. Use a professional -type washing cloth, cleaning the upper body first and the lower parts last. Rinse with clean water frequently. Dry surfaces with a chamois to prevent water spots.

If a high pressure water system is used for cleaning (not recommended), exercise extreme caution. Avoid directing the water stream at the following items: Transmission seals, Cab and body panels, Brakes and Labels and Decals.

### CAUTION:

Grease all zerk fitting immediately after washing. Allow the engine to run for a while to evaporate any water that may have entered the engine or exhaust system.

Avoid the use of automotive products, some of which can scratch the finish of your vehicle.

### WARNING:

Certain products, including insect repellents and chemicals, will damage plastic surface. Do not allow these types of products to contact the vehicle.

### STORAGE

When the vehicle will be in long period of storage, do the procedure as following.

Rinse with clean water, towel surfaces to prevent water spot and recline it for several hours.

Drain out all gasoline in the fuel tank, and daub antirust on the interior of fuel tank.

Unscrew the oil nail and drain out of gasoline in the carburetor, and then screw the oil nail tightly.

Taking of the spark plug, infusing about 10ml engine oil in the cylinder, electrically start the engine, the engine oil will come into the piston ring and form a protective membrane in the cylinder.

Inspect and clean or replace the pre-cleaner and air filter, Clean the air box and drain the sediment tube.

Inspect the following fluid level and change if necessary: front and rear gear cases; transmission and brake fluid (change every two years or as



required if fluid look dark or contaminated).

Inspect all cables and lubricate. Follow lubrication guidelines in the Maintenance Section of the service or owner's manual to completely grease and lubricate the entire vehicle with Premium All Season Grease.

The battery should be removed, stored out of the sun in a cool, dry place alone. When removing the battery, always disconnect the negative (black) cable first.

Apply anti-rust lubricating oil to the drive chain.

Apply lubricating oil to front suspension, rear axle and rear fork.

Routinely and liberally apply a weather resistant wax to each polished chrome part.

Set the tire pressure and safely support the ATV with the tires 30-40mm off the ground. Be sure the storage area is well ventilated, and cover the machine with a genuine ATV cover.

#### NOTE:

Do not use plastic or coated material. They do not allow enough ventilation to prevent condensation, and may promote corrosion and oxidation.

Make sure clean the fuel tank with gasoline and refill the fresh gasoline while restoring the vehicle.

Please make sure recharge the battery before installing the battery.

Check lubrication of all movement parts when restoring the vehicle. Lubricate if necessary.

When you start to use vehicle after a long period of storage, eliminate any lubrication remaining in the engine, then to lubricate again after cleaning engine with kerosene.

#### Transporting the ATV

Follow these procedures when transporting the vehicle.

Turn off the engine and remove the key to prevent loss during transporting.

Place the transmission in PARK and lock the park brake.

Turn the fuel valve off and be sure the fuel cap, oil cap and seat are installed securely.

Always tie the frame of the ATV to the transporting unit securely with suitable straps or rope. Do not attach tie strap to the front swing-arms

Bolt pockets.

## ●TROUBLE SHOOTING

See your dealer, or go to a professional repair shop when your vehicle is out of work. Also you may solve some simple problems yourself according to the solution below.

Possible Cause	Solution
Weak spark from spark plugs	Inspect, clean and /or replace spark plugs
Incorrect spark plugs gap or heat range	Set gap to specs or replace plugs
Old or non-recommended fuel	Replace with new fuel
Incorrectly installed spark plugs wires	See your dealer or go to a repair shop
Incorrect ignition timing	See your dealer or go to a repair shop
Mechanical failure	See your dealer or go to a repair shop
Engine runs irregularly, stalls or misfires	
Possible Weak Spark Cause	Solution
Worn or defective spark plug wires	replace spark plugs
Inspect, clean and/or replace spark plugs	Check all connections and tighten
Water present in fuel	Replace with new fuel
Low battery voltage	Recharge battery to 12.5 VDC
Kinked or plugged fuel vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer or go to a repair shop
Electronic throttle control malfunction	See your dealer or go to a repair shop
Overuse of choke	Inspect and clean spark plugs
Incorrect fuel with incorrect octane rating	Replace with recommended fuel

Engine

Backfires

Loses Power

Possible Cause	Solution
Out of fuel	Refuel
Kinked or plugged fuel vent line	Inspect ,clean and replace
Water present in fuel	Replace with new fuel
Overuse of choke	Inspect, clean and /or replace spark plugs
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Incorrect spark plug gap	Set gap to spark plugs
Clogged air filter	Inspect and clean
Kinked or plugged fuel vent line	Inspect ,clean and replace
engineer malfunction	See your dealer or go to a repair shop
worn of electric apparatus	Replace
electrocircuit failure	See your dealer or go to a repair shop
Overheated engine	Clean radiator screen and core, Clean engine exterior, and operate in right way

Engine Stops or

### Warning!

A hot exhaust system and engine can cause serious burns, please wait for engine and exhaust system cooling to room temperature for inspection and repair.

Use a garden hose to flush any debris from the radiator fins.

NOTE: high pressure washers can deform the radiator fins and reduce cooling efficiency.

## Specifications

### Dimensions

Overall length	1740	mm
Overall width	1110	mm
Overall height	1110	mm
Axle base	1230	mm
Mini ground clearance	130	mm

### Weight specification

Gross vehicle weight	173	kg
Max. Gross weight	160	kg

### Immobile parameter

Minimum turning Diameter	5.5	m
Fuel capacity	5.5	L
Lubrication capacity	1.0	L

Front tire size	21×7-10
Rear tire size	20×10-9

Front tire air pressure	100	kpa
Rear tire air pressure	100	kpa

Transmission chain drive

Absorber spring hydraulic absorber

Primary engine transmission rate 3.333

Final transmission rate 3

Engine gearshift transmission rate	first gear	2.909
	second gear	1.867
	reverse gear	1.389
	third gear	1.000
	fourth gear	2.807

### Fuel specification

Fuel 92#gas

Parking front: disc brake rear disc brake

### Electronical parameters

Battery	12V 9 Ah
Break/tailor light	12V 1.4W/0.5W
Neutral indicator	12V
Fuse	15A

### Structure

Engine type/model Single cylinders,  
water-cooling, four stroke.

Cylinder capacity 229ml

Cylinder diameter × Journey 67mm×65mm

Compression proportion 9.2:1

Ignition Mode CDI

Rated power 11.2Kw(7000r/min)

Max. Torque 17.67N.m(5500)r/min

Lubrication pressure splash

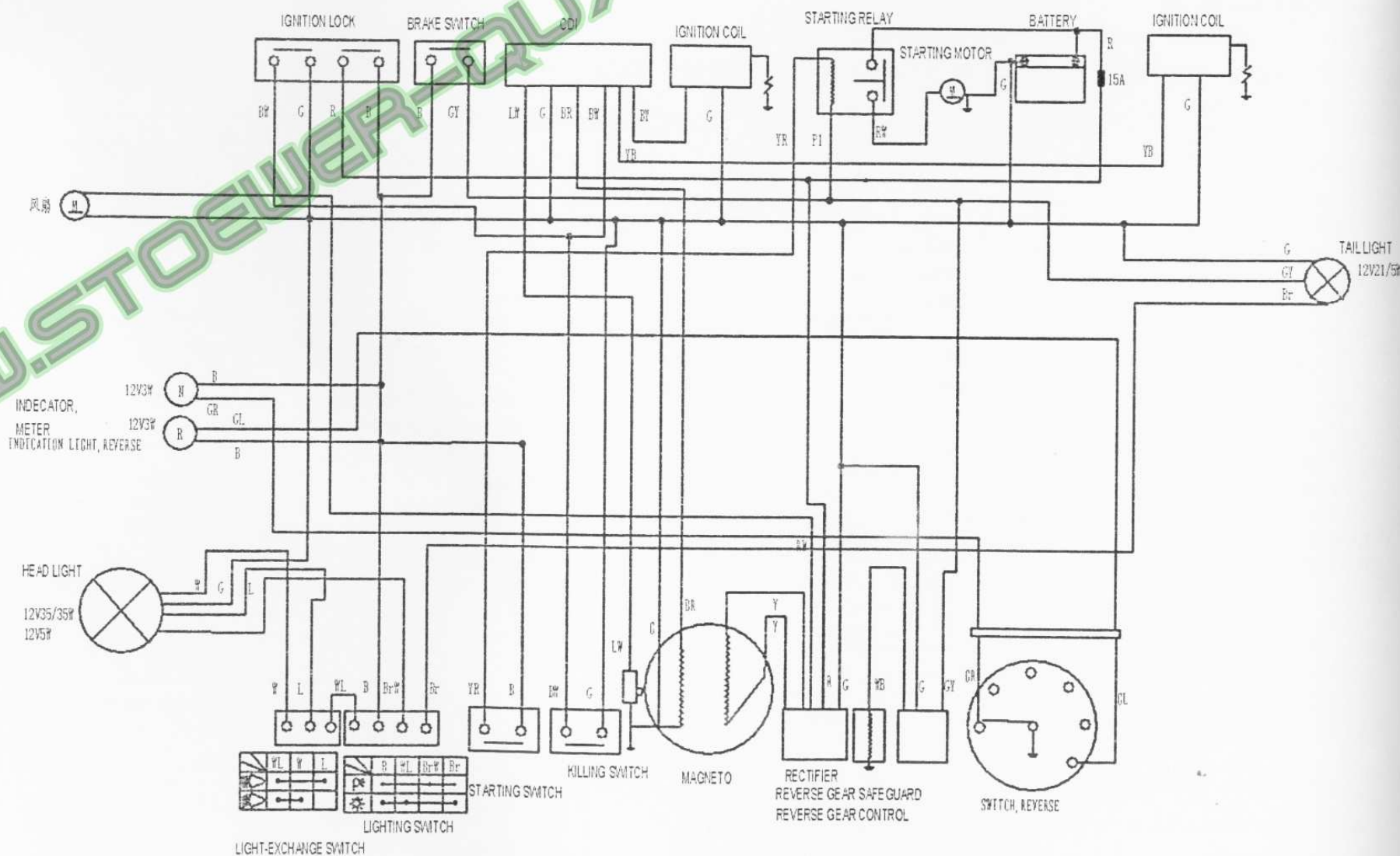
Starting mode electric

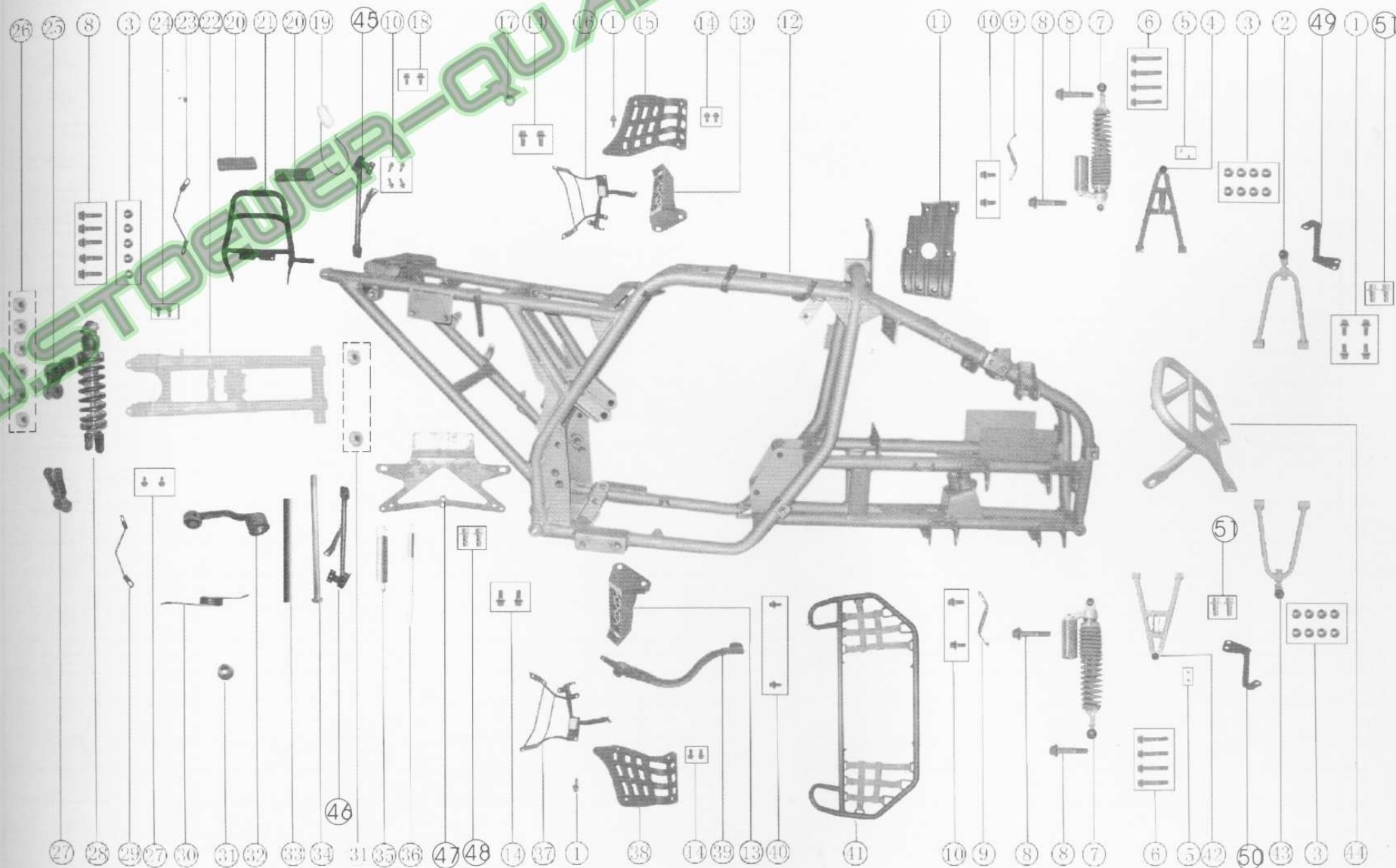
Clutch mode centrifugal-wet multiple piece

Engine oil SE 15W/40lubrication oil



# Electrical principle diagram





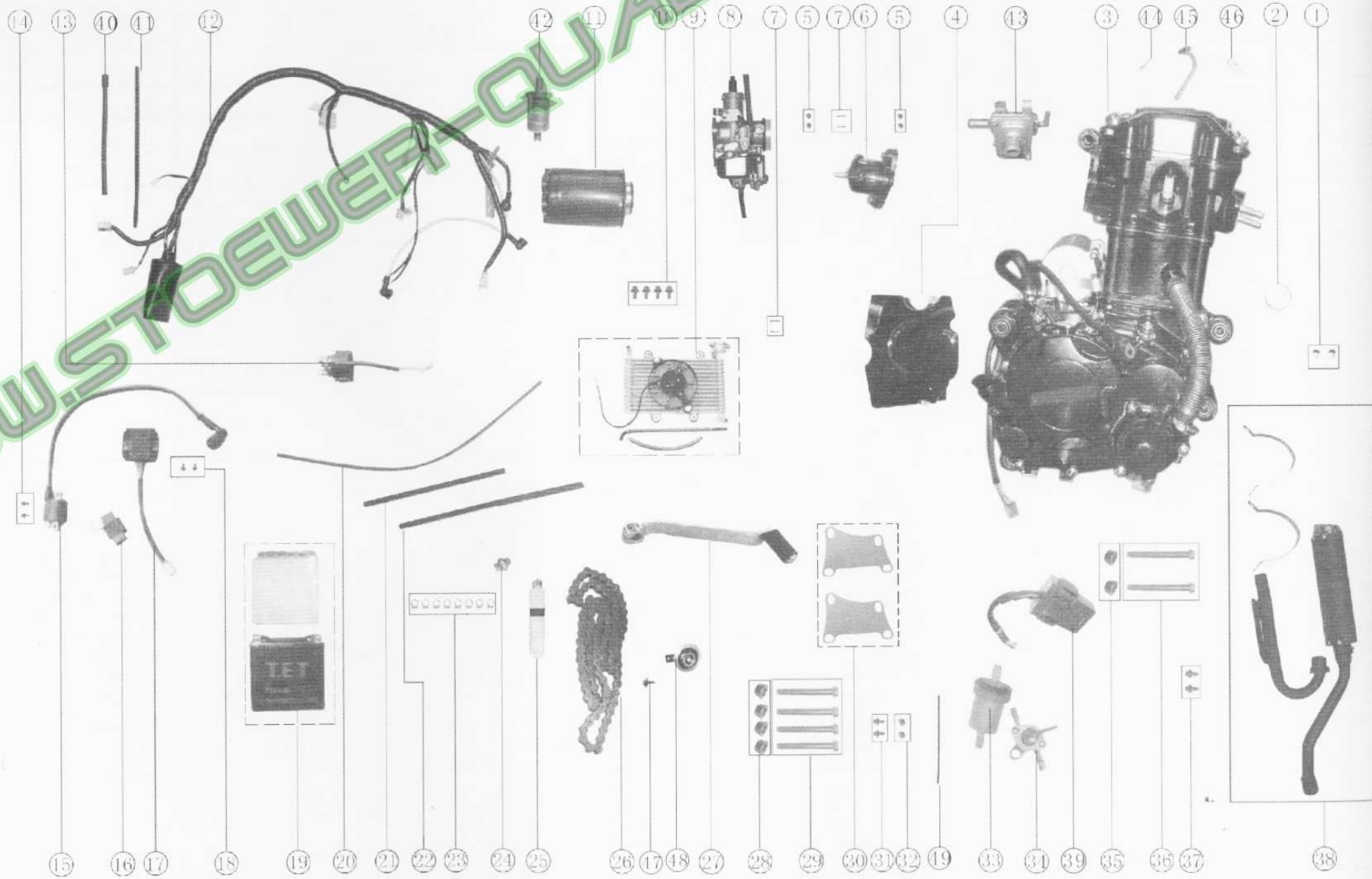
FRAME ASSEMBLY (1)

FRAME ASSEMBLY					
零部件目录 PART CATELAG					
序号 S/N	零部件代号 Part No.	Description	零部件名称 Part name	数量 Quantity	
1	GB5787-2000	BOLT M8×16	螺栓M8×16	6	
2	507300-123	LEFT-UP SWING ARM	左上摇臂	1	
3	GB6187-2000	NUT M10	螺母M10	21	
4	507400-119	LEFT-DOWN SWING ARM	左下摇臂	1	
5	GB5787-2000	BOLT M6×20	螺栓M6×20	4	
6	GB5787-2000	BOLT M10×58	螺栓M10×60	8	
7	501300-033	FRONT SHOCK ABSORBER	前减震器	2	
8	GB5787-2000	BOLT M10×40	螺栓M10×40	9	
9	804009-001	CONNECTING SUPPORT FRONT BODY	前车体连接支架	2	
10	GB5787-2000	BOLT M6×10	螺栓M6×10	8	
11	100001-003	PROTECT PLATE, ENGINE	发动机底罩	1	
12	511000-427	FRAME ASSY	车架焊接总成	1	
13	536100-017	FOOTREST	脚踏板	2	
14	GB5787-2000	BOLT M10×25	螺栓M10×25	8	
15	536400-013	LEFT PEDAL	左护脚网	1	
16	536003-006	LEFT FOOTREST SUPPORT	左脚蹬支架	1	
17	GB/T93-1987	SPRING WASHER Φ8	弹垫 Φ8	1	
18	GB5787-2000	BOLT M6×16	螺栓M6×16	2	
19	332000-021	REAR LAMP ASSY	尾灯总成	1	
20	306100-002	REFLECTOR REAR	反射器	2	
21	511100-175	FRAME REAR	车架后尾段	1	
22	523100-141	REAR ARM ASSEMBLY	平叉总成	1	
23	804804-001	RIGHT SUPPORT REAR FENDER	前挡泥后右支架	1	
24	GB5787-2000	BOLT M8×40	螺栓M8×40	4	
25	524700-001	ARM, REAR SHOCK ABSORBER	后减震摇臂	1	
26	523002-003	RUBBER BOOT, REAR ARM	防尘盖	8	



27	524701-003	CONNECTING, REAR SHOCK	后减震连杆	1
28	540300-118	REAR SHOCK ABSORBER	后减震器	1
29	804803-001	LEFT SUPPORT REAR FENDER	前挡泥后左支架	1
30	430005-010	TENSION PULLEY TORSIONAL SPRING	张紧轮扭簧	1
31	GB6187-2000	NUT M14	螺母M14	1
32	230010-001	TENSION PULLEY	张紧轮	1
33	523006-002	ARM AXLE BUSHING	平叉轴套管	1
34	902001-015	HEXANGULAR AXLE	六角头轴	1
35	430001-004	REAR BRAKE RESET SPRING	后制动回位簧	1
36	430003-001	REAR BRAKE SWITCH SPRING	后制动开关簧	1
37	536004-006	RIGHT FOOTREST SUPPORT	右脚蹬支架	1
38	536500-013	RIGHT PEDAL	右护脚网	1
39	430400-035	REAR BRAKE PEDAL	后制动踏板	1
40	GB5787-2000	BOLT M6×12	螺栓M6×12	2
41	536600-008	PROTECT PEDAL	护脚网	1
42	507600-117	RIGHT-DOWN SWING ARM	右下摇臂	1
43	507500-119	RIGHT-UP SWING ARM	右上摇臂	1
44	512100-205	BUMPER	保险杠	1
45	333601-002	bracket, r/l turn light	后左转向灯支架	1
46	333701-002	Bracket, r/r turn light	后右转向灯支架	1
47	805004-009	bracket, rear license plate	后牌照支架	1
48	Gb16774	BOLT M8*16	螺栓 M8*16	2
49	333402-007	bracket, f/l turn light	前左转向灯支架	1
50	333302-007	bracket, r/l turn light	前右转向灯支架	1
51	Gb16774	BOLT M6*16	螺栓 M6*16	4

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ENGINE & WIRING ASSEMBLY (2)

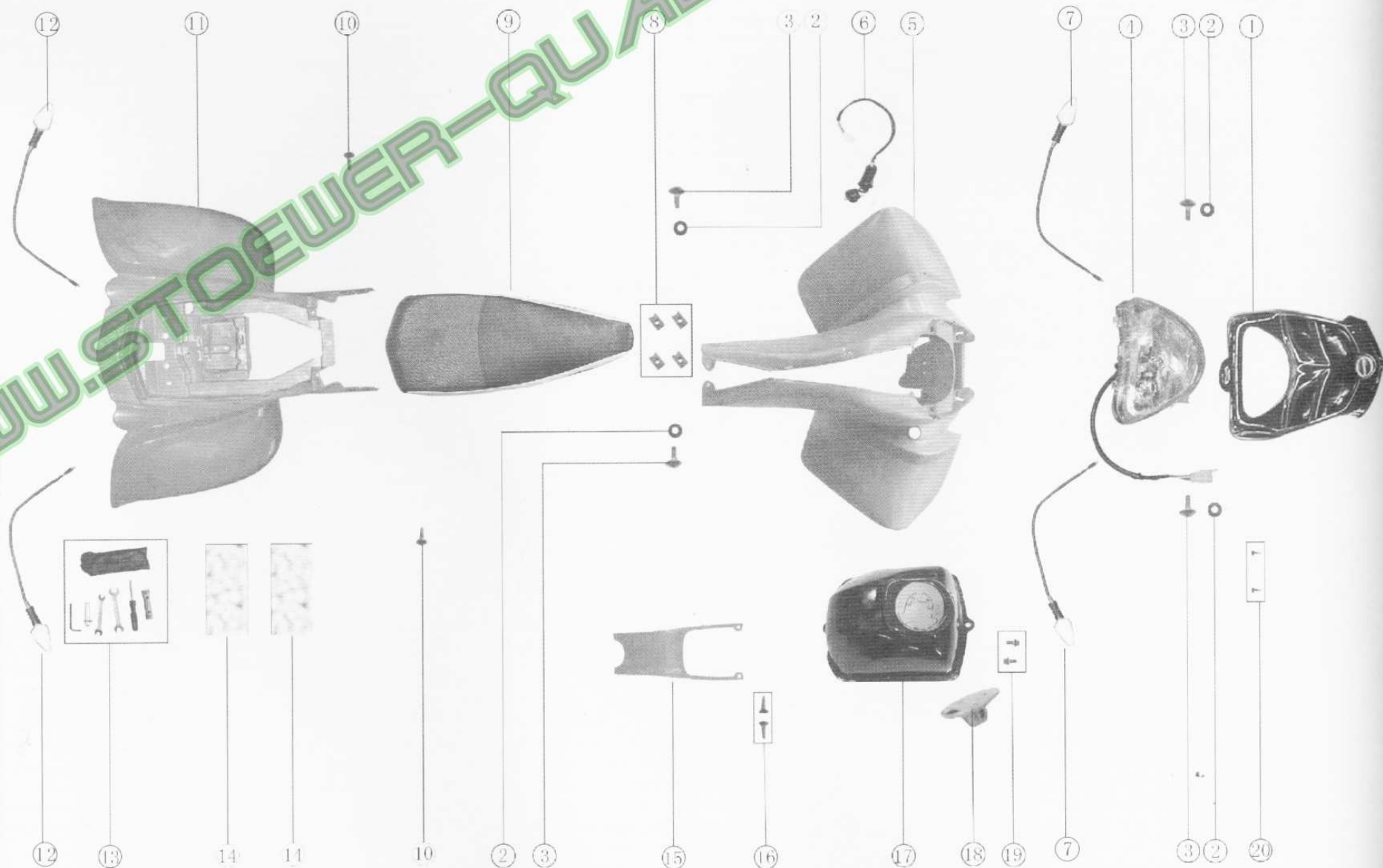
ENGINE
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ENGINE & WIRING ASSEMBLY		PART CATELAG			
零部件目录					
序号 S/N	零部件代号 Part No.	Description	零部件名称 Part name	数量 Quantity	
1	906160-001	COVER NUT	盖型螺母	2	
2	181001-001	PLUMBAGO CUSHION	排气管密封垫	1	
3	110000-246	MOTOR ASSY	发动机总成	1	
4	100003-015	ENGINE OUTER COVER	左后盖	1	
5	GB6170-2000	NUT M6	螺母M6	4	
6	100004-00015	INLET TUBE	进气管	1	
7	GB5783-2000	BOLT M6×20	螺栓M6×20	2	
8	161000-043	CARBURETOR ASSY	化油器总成	1	
9	152000-017	WATER COOLING ASSY	水冷器组件(带风扇)	1	
10	GB5783-2000	BOLT M8×25	螺栓M6×25	3	
11	171000-051	AIR FILTER	空滤器	1	
12	307000-228	MAIN CABLE COMP	主电缆	1	
13	301000-002	STARTING RELAY	启动继电器	1	
14	GB5787-2000	BOLT M6×10	螺栓M6×10	2	
15	304000-001	IGNITION COIL	点火线圈	1	
16	305000-007	CDI	点火器	1	
17	302000-003	REGULATOR	调压整流器	1	
18	Gb16774	BOLT M6*16	螺栓 M6*16	2	
19	303100-004	BATTERY ASSY	蓄电池	1	
20	162002-010	WATER TUBE	复合管	1	
21	904101-004	BAND	扎带	10	
22	904101-015	BAND	电瓶扎带	1	
23	114001-003	CLAMP	卡箍	8	
24	101201-005	TIE-IN PIPE	通气管接头	1	
25	152400-003	VICE WATER TANK	回水壶	1	
26	231000-037	CHAIN	链条	1	
27	211000-021	SHIFTING PEDAL	换挡踏板	1	
28	GB6187-2000	NUT M8	螺母M8	4	
29	GB5787-2000	BOLT M8×90	螺栓M8×90	4	
30	510002-017	FRONT SUSPENSION OF MOTOR	发动机前悬挂	2	
31	GB5787-2000	BOLT M6×25	螺栓M6×25	2	
32	GB6187-2000	NUT M6	螺母M6	2	
33	160100-001	FUEL FILTER	燃油过滤器	1	
34	802000-008	FUEL SWITCH	燃油开关	1	
35	GB6187-2000	NUT M10	螺母M10	2	
36	902001-010	HEXANGULAR AXLE 10*115	六角头轴 10*115	2	
37	GB5787-2000	BOLT M8×30	螺栓M8×30	2	
38	181000-184	MUFFLER ASSY	消声器	1	
39	306810-006	EMERGENCY LIGHT CONTROLLER	应急灯控制器	1	
40	162001-018	HIGH TEMPERATURE TUBE	高温管	1	
41	162002-028	WATER TUBE	复合管	2	
42	162100-001	small air filter	小空滤器	1	
43	163000-001	COMBINED TYPE VALVE	组合阀	1	
44	16774	BOLT M6*20	螺栓 M6*20	2	
45	162004-005	LEADING PIPE, INLET	进气金属导管	1	
46	162004-005	SECOND-TIME CONNECTING GASKET	二次连接垫	1	
47	906110-002	BOLT AND SCREW ASSY M6*16	螺栓和平垫组合件 M6*16	1	
48	312100-004	SINGLE HORN	喇叭	1	
49	162009-003	MINUS PIPE	负压管	1	



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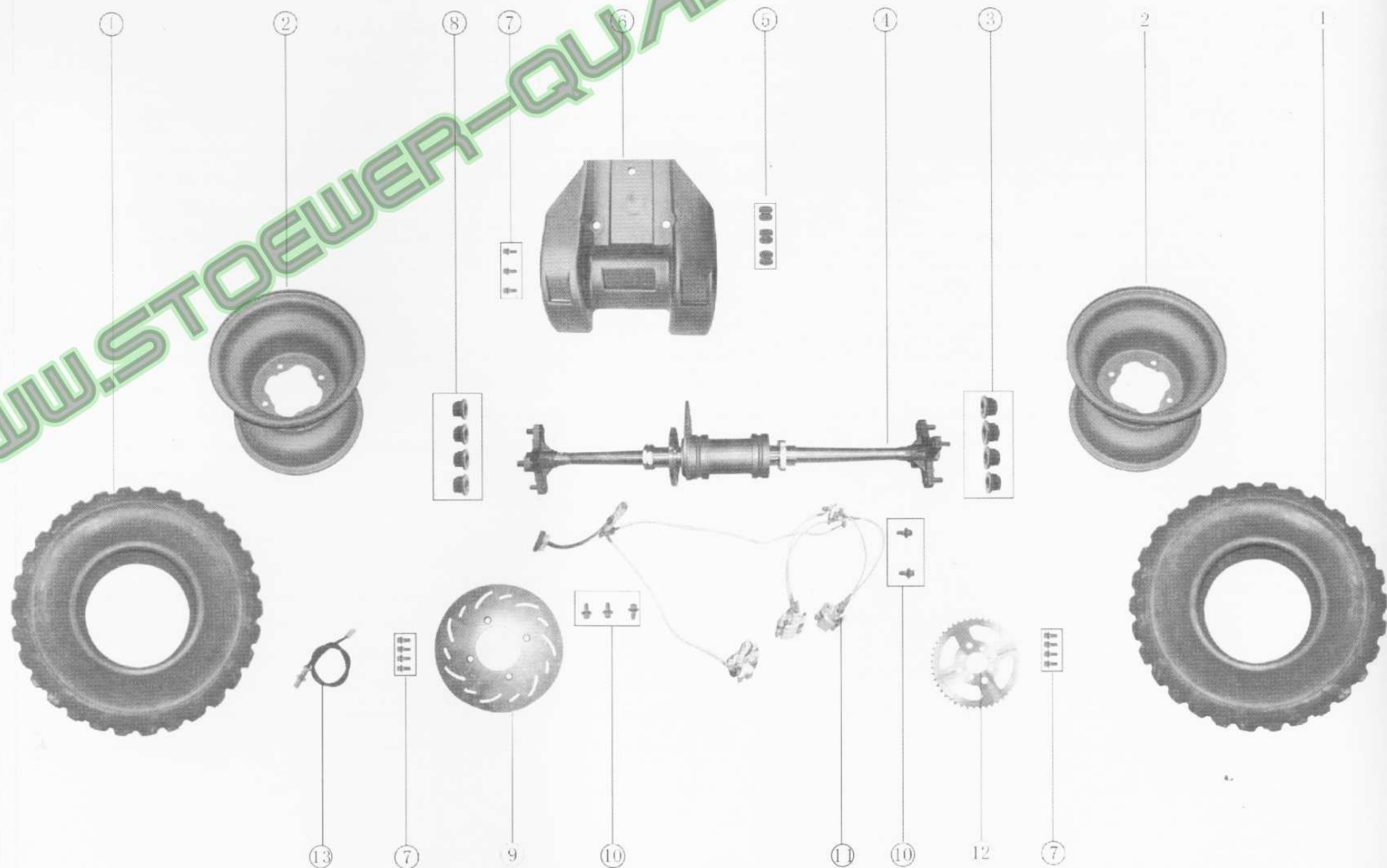
COVERING PARTS ASSEMBLY (3)

## COVERING PARTS ASSEMBLY

零部件目录 PART CATELAG

序号 S/N	零部件代号 Part No.	Description	零部件名称 Part name	数量 Quantity
1	807100-384	FRONT FENDER	前面罩	1
2	904229-001	PAD $\phi 6 \times 20$	胶平垫 $\phi 6 \times 20$	4
3	GB947-1988	BOLT M6 $\times$ 16	开槽球面大圆柱头螺钉M6 $\times$ 16	7
4	331000-021	HEAD LIGHT ASSY	前照灯总成	1
5	804100-323	FRONT FENDER	前挡泥板	1
6	360100-018	IGNITION SWITCH	点火开关锁	1
7	333400-014	front turn light	前转向灯	1
8	906181-002	CLIP NUT	卡子螺母	4
9	701000-990	SEAT CUSHION	座垫	1
10	GB5787-2000	BOLT M6 $\times$ 20	螺栓M6 $\times$ 20	2
11	805100-659	REAR FENDER	后挡泥板	1
12	333700-014	rear turn light	后转向灯	1
13	903200-001	TOOLS	随车工具	1
14	905606-002	BATTERY ALVEOLI	蓄电池泡沫	2
15	800600-006	MIDDLE PLATE	油箱护板	1
16	906211-001	PLASTIC BOLT	塑料螺栓	2
17	801000-031	FUEL TANK ASSY	油箱总成	1
18	360300-001	CAP LOCK, FUEL TANK	油箱盖锁	1
19	GB5787-2000	BOLT M6 $\times$ 16	螺栓M6 $\times$ 16	2
20	GB5787-2000	BOLT M6 $\times$ 16	螺栓M6 $\times$ 16	2

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REAR WHEEL ASSEMBLY (4)

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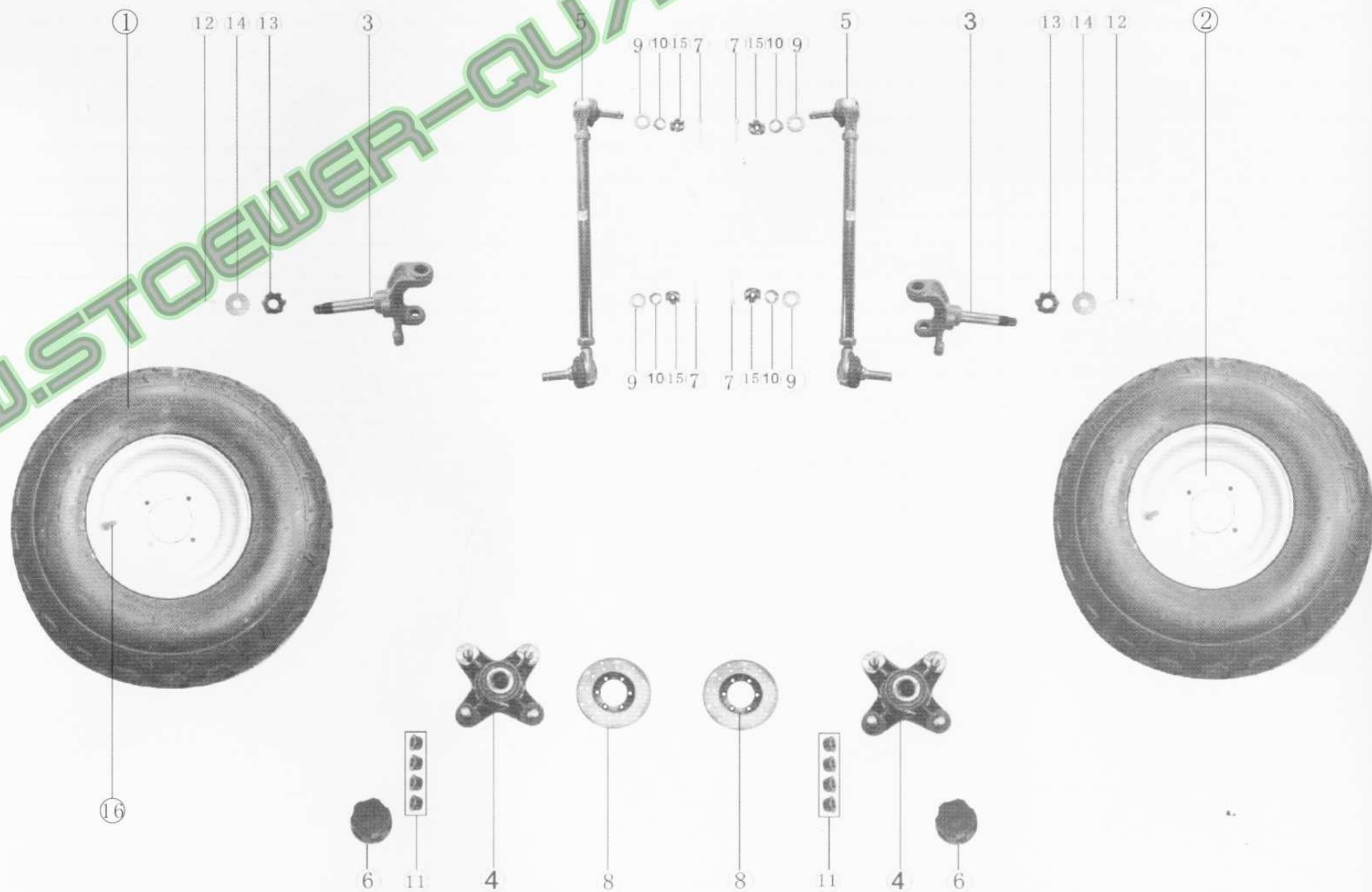


# REAR WHEEL ASSEMBLY

零件目录 PART CATELAG

序号 S/N	零部件代号 Part No.	Description	零部件名称 Part name	数量 Quantity
1	408000-036	REAR TYRE	后轮胎	2
2	405000-055	REAR TYRE HUB	后轮毂	2
3	GB6187-2000	NUT M10×1.25	螺母M10×1.25	8
4	243000-219	REAR BRIDGE ASSY	后桥总成	1
5	904222-001	SKEIN RUBBER	工字胶	3
6	245000-008	PROTECTING FRAME OF REAR BRIDGE	后桥护罩	1
7	GB5787-2000	BOLT M8×16	螺栓M8×16	8
8	GB6187-2000	NUT M10×1.25	螺母M10×1.25	8
9	442001-006	REAR BRAKE DISC	后碟刹盘	1
10	GB5787-2000	BOLT M8×20	螺栓M8×20	5
11	443000-041	REAR DISC BRAKE ASSY	后碟刹总成	1
12	405100-041	SPROCKET WHEEL	链轮	1
13	309200-021	SPEED SENSOR	里程表传感器	1

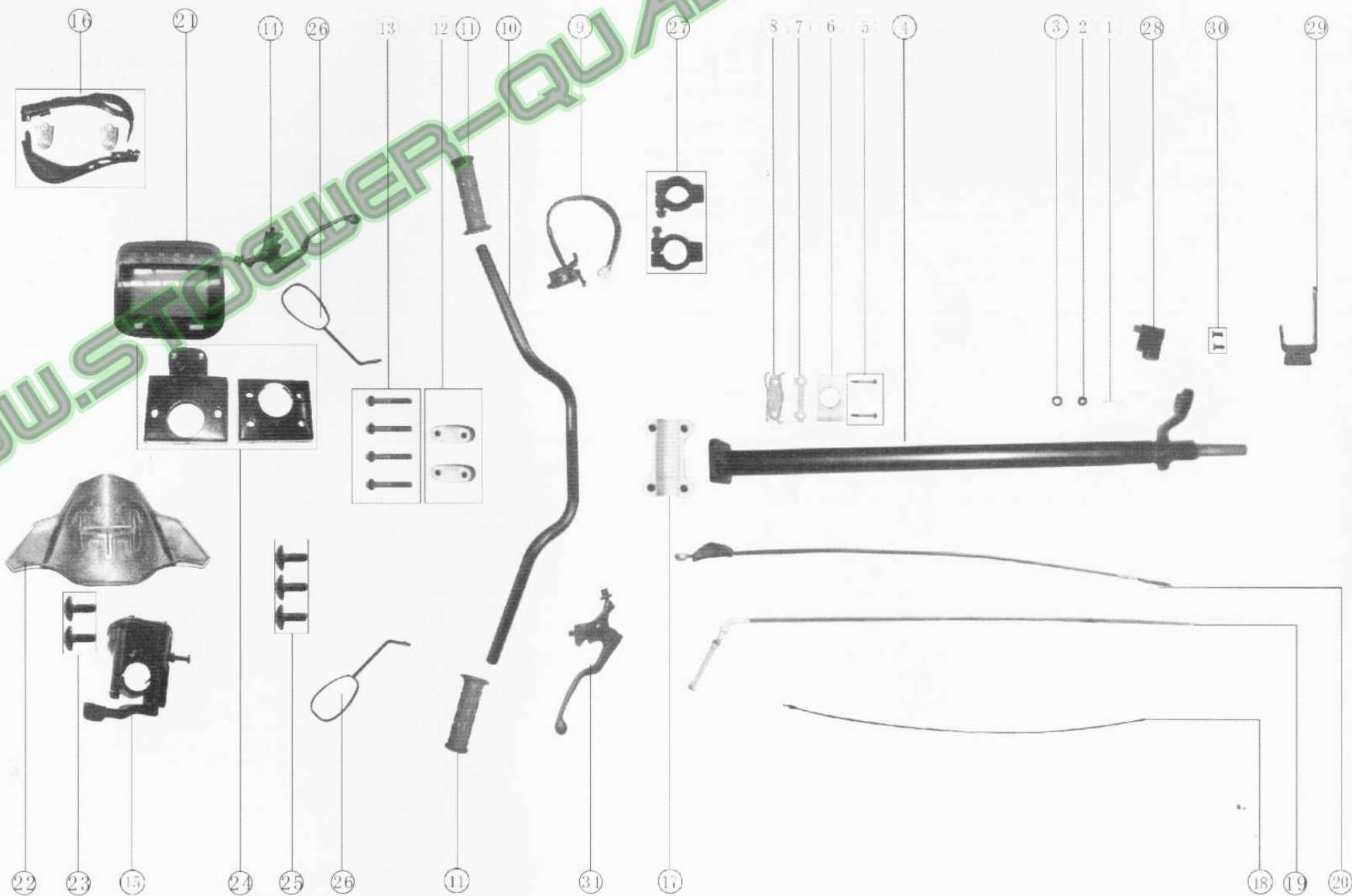
www.stoewer-quad.de



FRONT WHEEL ASSEMBLY (6)

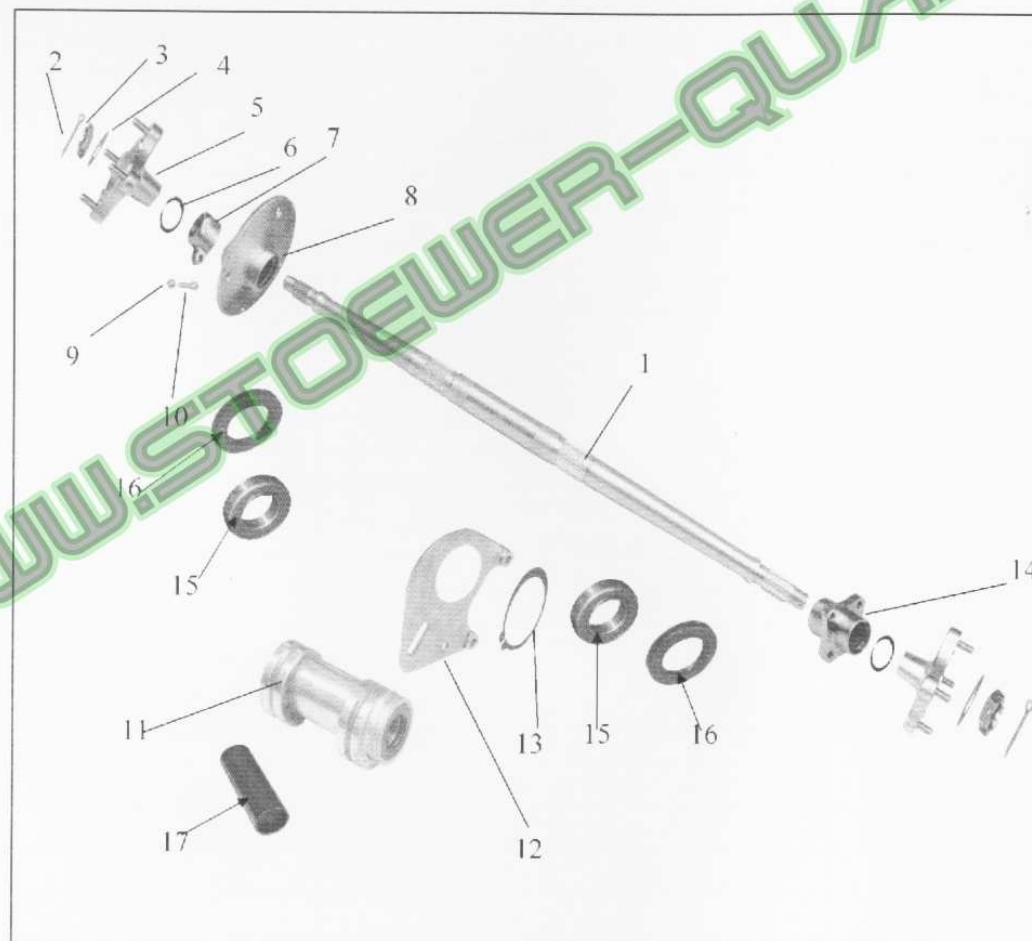
FRONT WHEEL ASSEMBLY				
零部件目录 PART CATELAG				
序号 S/N	零部件代号 Part No.	Description	零部件名称 Part name	数量 Quantity
1	404000-036	FRONT TYRE	前轮胎	2
2	401000-068	FRONT TYRE HUB	前轮毂(铝毂)	2
3	505000-027	STEERING PARTS	转向节部件	2
4	441600-097	FRONT DISK-BRAKED SEAT	前碟刹基座	2
5	430500-015	ROD ASSY	拉杆组件	2
6	904206-001	DUSTPROOF RUBBER BOOT	防尘护套	2
7	GB/T91-2000	PIN COTTER 2×20	开口销2×20	4
8	441001-003	FRONT BRAKE DISC	前碟刹盘	2
9	GB/T97.1-2000	WASHER10	平垫圈10	4
10	GB/T93-1987	SPRING WASHER10	弹垫圈10	4
11	GB6187-86	NUT M10	螺母M10	8
12	GB/T91-2000	PIN COTTER 2.5×30	开口销2.5×30	2
13	GB6181-2000	NUT M14	螺母M14	2
14	GB/T97.1-2000	WASHER14	平垫圈14	2
15	GB6181-2000	NUT M10	螺母M10	4
16	400300-001	AIR CHAIN MOUTH	气门嘴	2





FRONT FORK ASSEMBLY (6)

FRONT FORK ASSEMBLY				
零部件目录 PART CATELAG				
序号 S/N	零部件代号 Part No.	Description	零部件名称 Part name	数量 Quantity
1	GB/T91-2000	PIN COTTER 2.5×30	开口销2.5×30	1
2	GB6181-2000	NUT M10	螺母M10	1
3	GB/T97-2002	PLAT WASHER	平垫圈8	1
4	503300-108	STEERING STEM	方向柱	1
5	GB5787-2000	BOLT M8×60	螺栓M8×60	2
6	503301-003	STEERING ROD CLIP	方向柱卡子	1
7	503002-001	STEERING STEM CLIP WASHER	方向柱卡垫	1
8	503306-002	WIRE CLIP OF STEERING STEM	方向柱线卡	1
9	371100-032	LEFT HANDLEBAR SWITCH	左闸把开关	1
10	600001-135	HANDLE BAR	手把管	1
11	904303-001	LEFT LEVER	手把胶	2
12	503001-002	CLIP, STEERING BAR	方向把卡子	2
13	GB5782-2000	BOLT M8×60(70)×1.25	螺栓M8×60(70)×1.25	4
14	372100-005	LEFT HANDLE COMP	左手柄组件	1
15	600201-007	THROTTLE ASSY	加油器	1
16	443000-041	HAND PROTECTOR	手柄挡风罩	1
17	GB6181-2000	NUT M10	螺母M10	1
18	610000-031	WIND-RESISTED CABLE	阻风门拉索	1
19	607000-039	CABLE, THROTTLE	油门线	1
20	606000-004	CLUTCH CABLE	离合器拉索	1
21	351000-028	INSTRUMENT ASSY	仪表总成	1
22	351020-005	METER COVER	仪表前罩	1
23	906170-003	BOLT M6*16	开槽球面大圆柱螺钉M6*16	2
24	350200-009	SUPPORT SPEED METER	仪表支架	1
25	906170-003	BOLT M6*16	开槽球面大圆柱螺钉M6*16	3
26	901400-064	REARVIEW MIRROR	后视镜	2
27	901010-001	CLIP, MIRROR SEAT	镜座卡子	2
28	360200-001	STEERING LOCK	方向锁	1
29	360202-001	SUPPORT STEERING LOCK	方向锁支架	1
30	GB/T819.1	BOLT M5*12	十字槽沉头螺钉M5*12	1
31	372200-006	RIGHT HANDL LEVER	右手柄组件	1



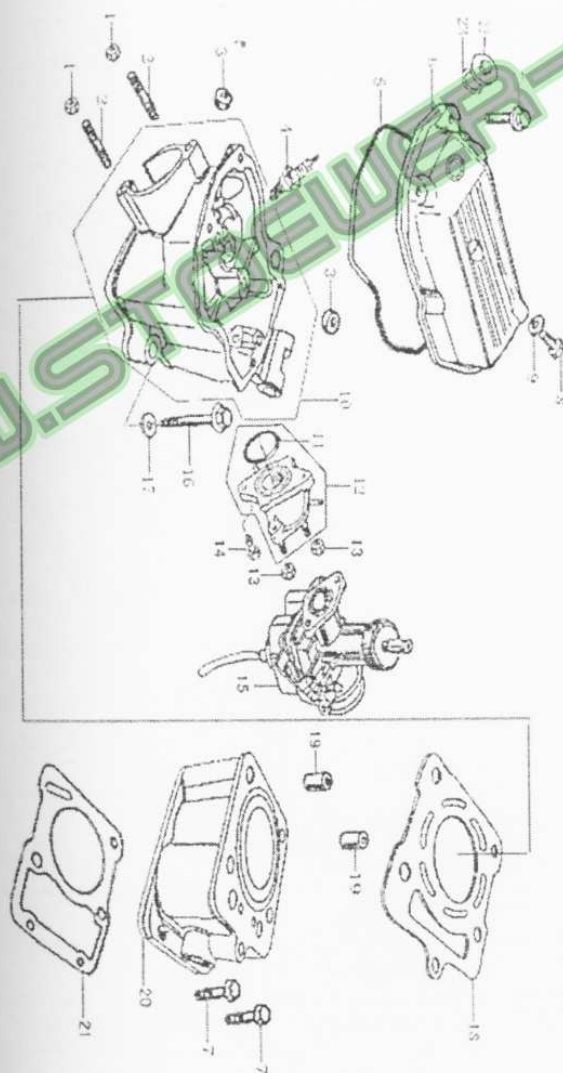
后轮轴组合			
序号	名称及规格	物料编码	英文名称
1	后轮轴	243012-001	REAR WHEEL AXLE
2	开口销3.2*50	GB/T91-2000 3.2*50	PIN COTTER 3.2*50
3	开槽螺母M20X1.5	243028-004	SLOTTED NUT M20X1.5
4	后轮毂平垫圈	GB/T97.1-2002	WASHER
5	后轮连接盘	243010-024	CONNECTOR PLATE
6	后桥卡簧	243025-001	CLIP SPRING REAR AXLE
7	锁紧螺母M42X1	243022-001	NUT M42X1
8	链盘座	405101-017	SPROCKET WHEEL SET
9	螺母M8	GB/T6170-2000	NUT M8
10	螺栓M8*25	GB/T5783-2000	BOLT M8*25
11	轴承座	243018-024	COVER REAR AXLE
12	碟刹支架	243017-002	DISC BRACKET, REAR BRIDGE
13	轴用挡圈	106206-001	SHAFT WASHER
14	后桥碟刹座	243016-021	SEAT REAR DISC BRAKE
15	轴承	902012-004	BEARING
16	油封	240001-039	OIL SEAL
17	衬套	243033-019	BUSH

REAR AXLE ASSY



# 1、气缸部件

示意图



序号	名称	英文名称	代号	数量	状态	备注
1	GB6170 螺母 M8	HEXANGULAR NUT	906163-002	2		
2	缸头排气口双头螺栓 M8×40	STUD M8×40	102222-014	2		
3	挡油罩组合	VALVE STEM OIL SEAL	104310-019	2		
4	火花塞 (D8TC)	SPARK PLUG	102250-018	1		
5	气缸头盖密封圈	SEAL RING CYLINDER HEAD UPPER COVER	102275-014	1		
6	气缸头盖	CYLINDER HEAD UPPER COVER	102271-044	1		
7	螺栓 M6×28	BOLT M6×28	115100-048	6		
8	螺栓 M6×12	BOLT M6×12	115100-010	1		
9	铝垫圈 6.5×1×12	WASHER 6.5×1×12	906150-051	1		
10	气缸头组合	CYLINDER HEAD SSEMBLY	102240-327	1		
11	进气管 O 形密封圈 33.5×3	O-RING INTAKE PIPE 33.5×3	118113-011	1		
12	进气管组合	INTAKE PIPE ASSY	100004-008	1		
13	GB6170 螺母 M6	HEXANGULAR NUT M6	906163-001	2		
14	螺栓 M6×20	BOLT	115100-008	2		
15	化油器(PZ30 自动风门带泵)	CARBURETOR ASSY	161000-036	1		
16	气缸体连接螺栓 M8×83	BOLT M8×83	102217-012	1		
17	铜垫圈 8.5×2.2×18	WASHER 8.5×2.2×18	102219-007	1		
18	气缸头密封垫组合	CYLINDER CAP SHIM UNIT	102230-052	1		
19	定位销 12×14	ALIGNMENT PIN	116108-014	2		
20	气缸体组合	CYLINDER UNIT	102120-070	1		
21	气缸体密封垫	CYLINDER SHIM	102108-039	1		
22	气门盖	UPPER VALVE COVER	102207-024	2		
23	气门盖 O 形圈 30.8×3.2	O-RING	102208-001	2		

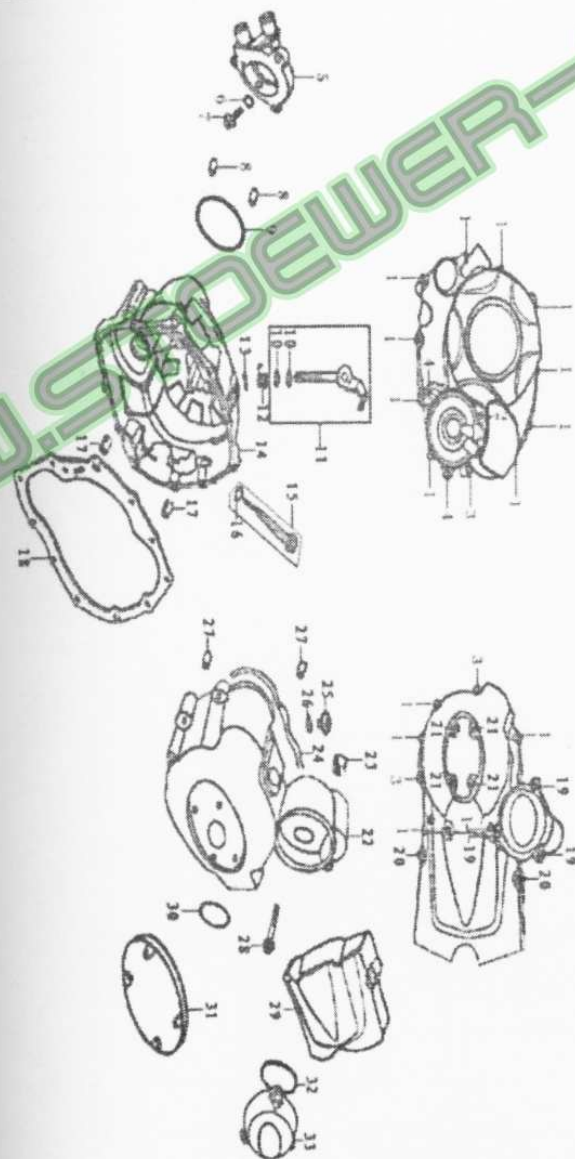
## 2、配气机构

示意图	序号	名称	英文名称	代号	数量	状态	备注
	1	进气门	AIR INTAKE VALVE	104301-031	1		
	2	排气门	AIR EXHAUST VALVE	104302-031	1		
	3	气门外弹簧座圈	VALVE SPRING SEAT	104306-016	2		
	4	气门内弹簧座圈	SEAT INSIDE SPRING	104305-007	2		
	5	气门外弹簧	VALVE OUTER SPRING	104304-019	2		
	6	气门内弹簧	VALVE INNER SPRING	104303-019	2		
	7	气门弹簧座	VALVE SPRING COVER	104307-019	2		
	8	气门锁夹	VALVE LOCK CLIP	104308-018	4		
	9	气门间隙调节螺母	LOCKING NUT	104416-010	2		
	10	气门间隙调节螺钉	ADJUSTING SCREW	104415-010	2		
	11	铜垫圈 8.5×2.2×18	WASHER 8.5×2.2×18	102219-007	3		
	12	上摇臂螺栓 M8×33	BOLT M8×33	104406-004	3		
	13	上摇臂组合	ARM ROCKER ASSY	104410-019	1		
	14	推杆导架	PUSH LEVER STAND	104105-007			
	15	推杆组合	PUSH LEVER COMP	104120-012	2		
	16	波形垫圈 12.3×0.2×20.9	ELASTIC AHER12.3×0.2×20.9	104404-005	1		
	17	下摇臂	LOWER ROCKER ARM	104401-004	2		
	18	下摇臂轴	SHAFT, LOWER ROCKER ARM	104402-005	1		
	19	下摇臂轴 O 形密封圈 17×2.5	O-RING 18×2.5	104403-005	1		
	20	配气凸轮轴弹簧	SPRING	104104-004	1		
	21	凸轮轴芯 O 形密封圈 20×2.5	O-RING 20×2.5	104107-005	1		
	22	凸轮轴芯轴	AIR MLET CAM SHAFT	104106-005	1		
	23	止推垫圈 14×1×24	WASHER 14×1×24	116109-023	1		
	24	凸轮轴组合	CAMSHAFT UNIT	104130-052	1		



### 3、曲轴箱盖 (改CB分离)

示意图



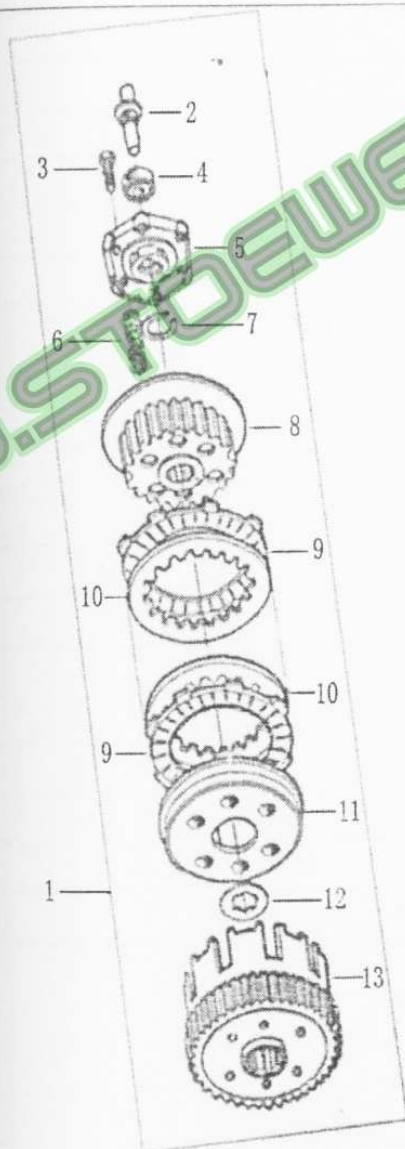
序号	名称	英文名称	代号	数量	状态	备注
1	小盘螺栓 M6×40	BOLT M6×40	115100-006	15		
2	小盘螺栓 M6×16	BOLT M6×16	115100-019	1		
3	小盘螺栓 M6×50	BOLT M6×50	115100-001	3		
4	小盘螺栓 M6×25	BOLT M6×25	115100-005	2		
5	水泵盖	WATER PUMP COVER	101411-008	1		
6	O形密封圈 8.5×1.9(氟胶)	O-RING 8.5×1.9	101432-002	1		
7	水泵盖放水螺栓 M8×10	BOLT M8×10	101433-002	1		
8	定位销 8×12×6.3	ALIGNMENT PIN	116108-015	2		
9	水泵盖 O形密封圈 63×2.65(氟胶)	O-RING 63×2.65	101412-008	1		
10	操纵杆 O形密封圈 9×1.8	O-RING 9×1.8	106325-008	2		
11	离合器操纵杆组合	OPERATION ROCKER ARM UNIT	106320-018	1		
12	离合器操纵杆弹簧	COMPRESSION SPRING	106301-014	1		
13	GB879.1 销 3×12	COTTER PIN 3×12	106312-006	1		
14	右曲轴箱盖只带电启动	RIGHT CRANKCASE COVER ASSY	101401-301	1		
15	机油尺组合	OIL DIPSTICK	100016-009	1		
16	O形密封圈 18×3	O-RING 18×3	101442-008	1		
17	定位销 8×14	ALIGNMENT PIN 8×14	116108-012	2		
18	右曲轴箱盖密封垫	RIGHT CRANKCASE COVER GASKET	101403-029	1		
19	小盘螺栓 M6×20	BOLT M6×20	115100-008	3		
20	小盘螺栓 M6×28	BOLT M6×28	115100-048	2		
21	小盘螺栓 M6×12	BOLT M6×12	115100-010	4		
22	左曲轴箱前盖	L&F CRANKCASE COVER ASSY	101301-240	1		
23	滚针轴承 (HK101410)	NEEDLE ROLLER BEARING	116220-005	1		
24	左曲轴箱前盖密封垫	LEFT CRANKCASE COVER GASKET	101304-024	1		



### 3、曲轴箱盖（改CB分离）

[illegible]

#### 4、离合器(改 CB 状态)

[illegible]



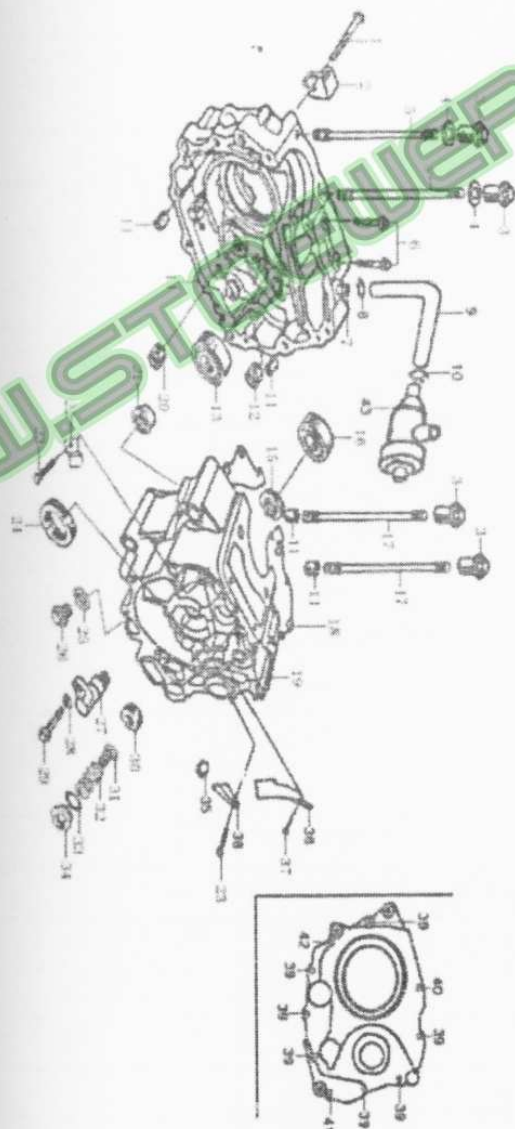
# 5、机油泵

示意图	序号	名称	英文名称	代号	数量	状态	备注
	1	机油滤清器部件	ENGINE OIL FINE FILTER	105200-016	1		
	2	机油滤清器通油管	EX-TUBE,OIL	105202-006	1		
	3	十字槽沉头螺钉 M5×12	SCREW M5×12	115200-007	3		
	4	机油滤清器通油管弹簧	SPRING,EX TUBE	105203-006	1		
	5	机油滤清器盖	COVER,ENGINE OIL FILTER	105201-011	1		
	6	机油滤清器固定销	TRANSMISSION PIN	105205-008	1		
	7	滤清器端盖密封垫	GASKET,FILTER HEAD COVER	105204-005	1		
	8	机油滤清器转子组合	OIL FILTER BODY	105221-006	1		
	9	主动齿轮	DRIVE GEAR	106001-028	1		
	10	十字槽沉头螺钉 M6×30	SCREW M6×30	115200-028	2		
	11	油泵传动轴	DRIVE SHAFT, GEAR	105115-010	1		
	12	油泵从动齿轮组合	OIL PUMP GEAR UNIT	105120-008	1		
	13	机油泵壳体	OIL PUMP CASING	105116-011	1		
	14	机油泵外转子	OUTER ROTOR,OIL PUMP	105113-012	1		
	15	机油泵内转子	INNER ROTOR,OIL PUMP	105112-012	1		
	16	机油泵盖板	OIL PUMP COVER	105117-012	1		
	17	十字槽沉头螺钉 M4×12	SCREW	115200-036	2		
	18	O形密封圈 9.4×2.4	O-RING	105121-002	2		
	19	机油泵组合	ENGINE OIL PUMP	105110-044	1		



## 6、曲轴箱

示意图



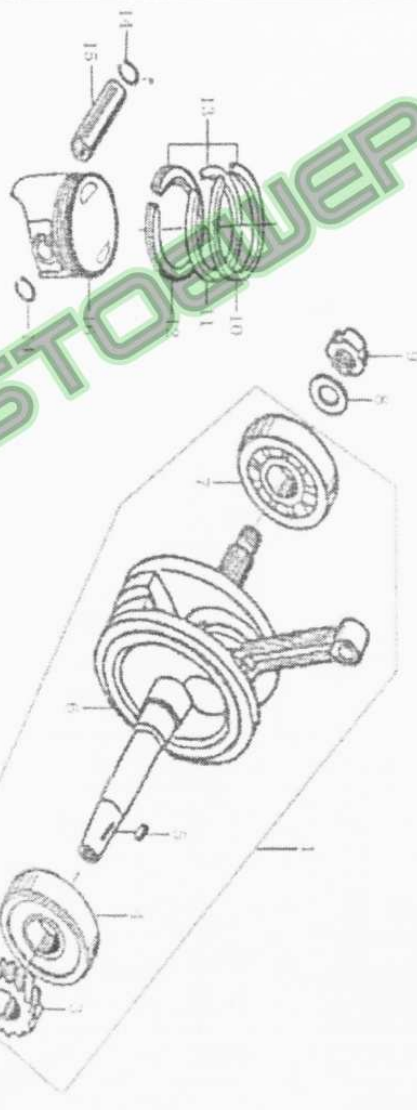
序号	名称	英文名称	代号	数量	状态	备注
1	拉筋定位板螺栓 M6×65	BOLT M6×65	115100-046	1		
2	拉筋定位板	LOCATING PLATE UNIT	106304-002	1		
3	气缸头螺母 M8	CAP NUT M8	102218-012	4		
4	平垫圈 8.6×18×2	WASHER 8.6×18×2	102219-011	2		
5	气缸双头螺栓 B	BOUBLE-HEAS SCREW B	101104-024	2		
6	大盘螺栓 M6×28	BOLT M6×28	116101-008	2		
7	通气管接头	TIE-IN, PIPE	101201-007	1		
8	通气胶管卡箍(钢带式)	HOOP,AIR DRAIN	101203-011	1		
9	通气胶管组件	BREATHER TUBE	101210-002	1		
10	通气胶管卡箍(钢带式)	HOOP,AIR DRAIN	101203-011	1		
11	定位销 10×14	ALINGMENT PIN	116108-004	4		
12	滚针轴承 (NK152712)	NEEDLE ROLLER BEARING	116220-006	1		
13	轴承 (6006)	BEARING	116210-039	1		
14	右曲轴箱组合	RIGHT CRANKCASE ASSY	101220-116	1		
15	副轴油封 20×34×7	OIL SEAL 20×34×7	101144-002	1		
16	轴承 (6204)	BEARING	116210-040	1		
17	气缸双头螺栓 A	BOUBLE-HEAD SCREW A	101103-028	2		
18	曲轴箱密封垫	CONNECTING CASE GASKET	101101-028	1		
19	左曲轴箱组合	LEFT CRANKCASE ASSY	101140-288	1		
20	滚针轴承(HK2110)	NEEDLE ROLLER BEARING	116220-007	1		
21	轴承 (6202Z)	BEARING	116210-036	1		
22	齿轮压板	RETAINER	109201-004	1		
23	螺栓 M6×12	BOLT	115100-010	2		
24	曲轴油封 34×50×7	OIL SEAL 34×50×7	101160-006	1		

## 6、曲轴箱

示意图	序号	名称	英文名称	代号	数量	状态	备注
	25	放油螺栓铝垫圈 12×2×20	WASHER	101121-003	1		
	26	放油螺塞 M12×1.5	DRAIN BOLT M12×1.6	101119-008	1		
	27	CG250 压销体组合	PRESSING PIN ASSY	101150-005	1		
	28	止推垫圈 6.7×1×14.4	THRUST WASHER 6.7×1×14.4	101155-002	1		
	29	螺栓 M6×25	BOLT M6×25	115100-005	1		
	30	换挡轴油封 14×28×7	OIL SEAL	108240-010	1		
	31	机油过滤网组合	ENGINE OIL FILTER ASSY	101130-010	1		
	32	机油过滤网弹簧	SPRING, OIL FILTER	101116-013	1		
	33	滤网盖 O 形圈 35×3	O-RING 35×3	101118-006	1		
	34	机油过滤网盖	OIL DRAIN PLUG SCREW	101117-012	1		
	35	滚针轴承 (HK101410)	NEEDLE ROLLER BEARING	116220-005	1		
	36	线束压板	PLATE, CABLE	101115-007	1		
	37	小盘螺栓 M6×12	BOLT	115100-010	1		
	38	凸轮轴弹簧压板	POSITION PLATE, CAMSHAFT	101146-003	1		
	39	小盘螺栓 M6×50	BOLT M6×50	115100-001	7		
	40	小盘螺栓 M6×100	BOLT M6×100	115100-044	1		
	41	小盘螺栓 M6×70	BOLT M6×70	115100-054	1		
	42	小盘螺栓 M6×60	BOLT M6×60	115100-047	1		
	43	油气分离器	SEPARATOR, OIL AND AIR	162200-002	1		



## 7、曲轴/活塞/连杆部件曲轴/活塞/连杆部件

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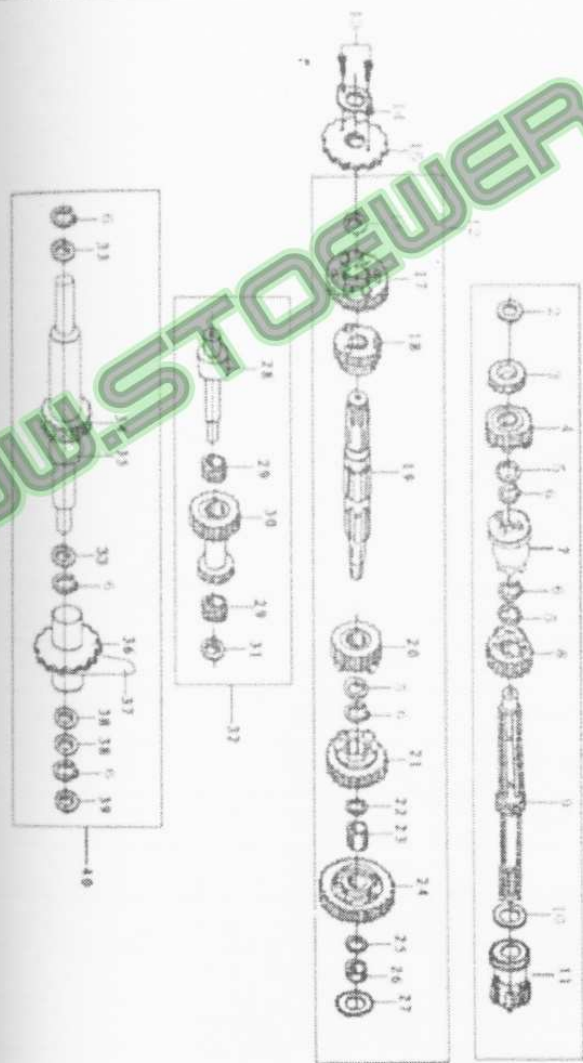


## 8. 传动机构

示意图	序号	名称	英文名称	代号	数量	状态	备注
	1	主轴部件	MAIN SHAFT ASSY	107100-056	1		
	2	主轴止推垫圈 15.2×1×25	THRUST WASHER 20×0.5×27	107114-008	1		
	3	主轴二档齿轮	SHIFT 2 DRIVING GEAR	107104-015	1		
	4	主轴四档齿轮	SHIFT 4 DRIVING GEAR	107106-012	1		
	5	花键垫圈 20	SPLINE WASHER	107112-009	3		
	6	挡圈 20	CIRCLIP	107113-017	3		
	7	倒档主轴换挡滑块	REVERSE GEAR,COUNTERSHAFT	107118-007	1		
	8	主轴三档齿轮	SHIFT 3 DRIVING GEAR	107105-015	1		
	9	主轴	MAIN SHAFT	107101-043	1		
	10	主轴止推垫圈 20×0.5×27	THRUST WASHER 20×0.5×27	107114-013	1		
	11	倒档启动套组合	ASSEMBLY, STARTING GEAR	107120-003	1		
	12	副轴部件	ASSEMBLY, COUNTERSHAFT	107200-073	1		
	13	螺栓 M6×10	BOLT	116101-033	2		
	14	主动链轮固定板	FIXING PLATE, DRIVE SPROCKET	107222-006	1		
	15	主动链轮(428-15)	DRIVE SPROCKET	107221-022	1		
	16	副轴止推垫圈 20×1×27	THRUST WASHER 20×1×27	107202-019	1		
	17	副轴二档齿轮	SHIFT 2 DRIVEN GEAR UNIT	107208-015	1		
	18	副轴四档齿轮	SHIFT 4 DRIVEN GEAR	107211-015	1		
	19	副轴	COUNTER AXLE UNIT	107201-058	1		
	20	副轴倒档齿轮	REVERSE GEAR	107219-006	1		
	21	副轴三档齿轮	SHIFT 3 DRIVEN GEAR	107209-015	1		
	22	推力垫圈 16.5×0.5×23.5	THRUST WASHER 16.5×0.5×23.5	107202-010	1		
	23	副轴一档齿轮衬套	COUNTERSHAFT 4TH SPEED GEAR	107207-005	1		
	24	副轴一档齿轮	SPACER WASHER	107206-015	2		

## 8、传动机构

示 意 图

[illegible]



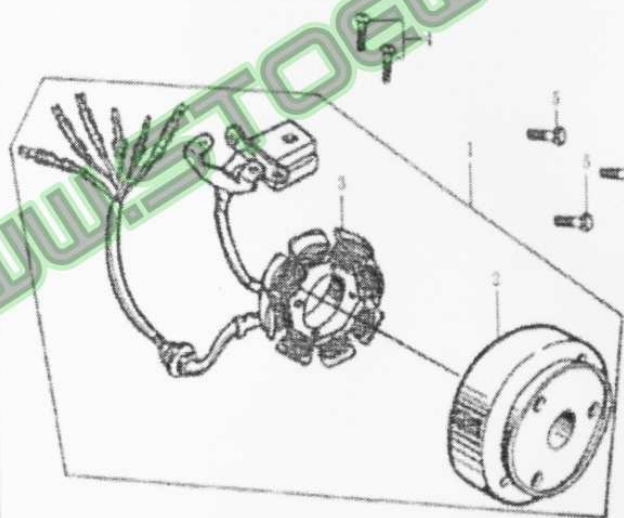
## 9、变速机构

示意图	序号	名称	英文名称	代号	数量	状态	备注
	1	换挡轴部件	SHIFT SHAFT ASSY	108200-032	1		
	2	挡圈 12	CIRCLIP 12	108207-003	1		
	3	拉伸弹簧	RETURN SPRING	108202-009	1		
	4	换挡拨板	LEVEL, GEARSHIFT	108203-006	1		
	5	换挡轴组合	GEARSHIFT SHAFT	108220-032	1		
	6	换挡复位簧	SHIFT TORSION SPRING	108204-013	1		
	7	换挡臂垫圈 14×0.5×20	WASHER	108208-003	2		
	8	挡圈 14	CIRCLIP	108207-004	1		
	9	变速踏板部件	SHIFTING PEDAL	211000-021	1		
	10	拨叉轴	SHORT SHIFT FORK AXLE	108126-014	1		
	11	换挡右拨叉	SHIFT FORK3 (R)	108123-014	1		
	12	换挡中拨叉	SHIFT FORK2	108122-013	1		
	13	换挡左拨叉	SHIFT FORK1 (L)	108121-014	1		
	14	螺栓 M6×25	BOLT	116101-001	1		
	15	弹垫 6	HELICAL SPRING LOCKWASHER	115300-001	1		
	16	五星拨板	SHIFT CAN SEGMENT	108114-016	1		
	17	五星拨板定位销 4×10	STAR GEAR DOWEL PIN	108116-008	1		
	18	变速鼓	SHIFT CAM	108111-014	1		
	19	档显动触头	CONTACTING RING	108113-004	1		
	20	档位显示部件	CABLE ASSEMBLY, GEAR INDICATION	113200-069	1		
	21	十字槽盘头螺钉 M4×18	SCREW	115200-037	2		
	22	档位定位板螺栓(五循环档 白 锌)M6×20	BOLT	116101-002	1		





## 10、磁电机总成

[illegible]





## 12、水冷系统

示 意 图	序 号	名 称	英文名称	代 号	数 量	状态	备注
	1	水管卡箍组件	CLAMP	114001-004	3		
	2	弹簧水管 (13×20×185 带弹簧)	WATER TUBE (13×20×185)	114020-003	1		
	3	水泵叶轮	VANE WHEEL WATER PUMP	114321-004	1		
	4	水泵垫圈	GASKET, VANE WHEEL WATER PUMP	114324-002	1		
	5	水泵动静环	MECHANISM SEAL ASSY	114323-003	1		
	6	水泵轴油封 12×20×5	OIL SEAL 12×20×5	114340-003	1		
	7	轴承 (6901)	BEARING	116210-043	1		
	8	水泵轴	SHAFT, WATER PUMP	114322-004	1		
	9	轴承 (6000)	BEARING	116210-001	1		
	10	节温器壳体组合	OIL TEMPERATURE SENSOR	114500-008	1		
	11	小盘螺栓 M6×16	BOLT M6×16	115100-015	3		
	12	O形密封圈 14.8×1.9	O-RING 14.8×1.9	114502-004	1		
	13	节温器组合	THERMOSTAT ASSY, COOLING	114325-002	1		
	14	节温器盖	THERMOSTAT COVER	114326-002	1		



