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Brief introduction



The full name of ATV is All-Terrain Vehicles. Jianshe 400ATV is newly manufactured by Jianshe Industries (Group) Co., Ltd.

Jianshe 400ATV embodies the experience and essence of world motorcycle technology. It adopts single-cylinder four-stroke engine with composite cool system of air cooling and oil cooling newly developed by our company, and employs the devices of vacuum carburetor, wet automatic front rear axle drive, speed shifting, 1st gear, reverse driving, hand plucked recoil starter and electric starter in combination, CDI electric ignition, pressure splash lubrication system, etc, which are good in performance. This ATV is novel and bright in design, having moved, streamlined model and luxury decoration design. And it meets the national standard in noise and dirt drainage, especially it embodies the great power, reliability, endurance, being an ideal transportation facility for ATV fans.

The correct operation and maintenance are the prerequisites at your safety riding of the ATV, and also can reduce the fault of the ATV and keep its best performance. So, please read this manual to understand its basic operation, repair and maintenance methods. The information contained herein all relates to the ATV of the current design and is subject to changes by our company according to the demands of market and users without notice. If you have any questions, please consult with Jianshe motorcycle dealer. We are

welcome for your precious advice and suggestions. Our company has established many service centers (stations, points), with specially-trained technical personnel in operation and maintenance, please contact with Jianshe motorcycle dealer and service center (stations, points). Our company constantly adheres to the principle of "quality first, users upmost, reputation foremost" and be ready to provide you with high quality service.

SAFETY INFORMATION



This operation manual includes important safety and maintenance information. When reselling the ATV to the next buyer, the operation manual should be passed on together with it because the next user also need the manual. Please read the manual carefully before driving the new Jianshe 400 ATV. If failed to conform the requirements described in the manual, it will be easy to cause injuries and deaths.

Warning:

- Read this manual carefully and follow the operating procedures and methods described in this manual.
- Never operate an ATV without proper training or instruction.

- A child under 16 years old should never operate an ATV. Never allow drive of an ATV by an individual person if he or she does not have the abilities to operate it safely.

Warning:

Injury or death could be result from failare to follow WARNING instructoins when you are operating, inspecting or repairing the ATV.

- Always avoid driving an ATV on any paved surfaces,including sidewalks, parking lots and streets.
- Never operate an ATV on any public street, road or highway, even a dirt or gravel one.
- Never drive an ATV without wearing an approved motorcycle helmet that fits properly. You

should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.

- Never consume alcohol or drugs before or while operating this ATV.

- Never operate at speeds too fast. Always drive at low speed on dusty surface.

- Always inspect your ATV each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.

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

- Always go slowly and pay extra attention when operating on unfamiliar terrain. Always be alert to changing terrain conditions when

operating the ATV.

- Never operate on excessively rough, slippery or loose terrain unless you have learned and practiced the skills necessary to control the ATV on such terrain. Always be especially cautious on these kinds of terrain.

- Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.

- Never drive the ATV 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 as described in this manual. Check the terrain carefully before starting up any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open

SAFETY INFORMATION



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 down hills and for braking on hills as described in this manual. Check the terrain carefully before starting down any hill. Shift your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

- Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the ATV. Never attempt to turn the ATV around on any hill until you have mastered the turning technique described in this manual on level

ground. Avoid crossing the side of a steep hill if possible.

- Avoid crossing the steep hills.

- Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, use proper gear and 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 check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.

- Always be careful when skidding or sliding. Learn to safely control skidding or sliding by practicing at low speeds and on level, smooth terrain. On extremely slippery surfaces, such as

ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.

- Never operate an ATV in fast flowing water or in water deeper than that recommended in this manual. Remember that wet brakes may have reduced stopping ability. Test your brakes after wiping water away. If necessary, apply them several times to let friction dry out the linings.

- Always be sure there are no obstacles or people behind you when operating in reverse. When it is safe to proceed in reverse, go slowly. Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.

- Never modify an ATV through improper installation or use of accessories.

- Never exceed the stated load capacity for

an ATV. Cargo should be properly distributed and securely attached.

- Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking.

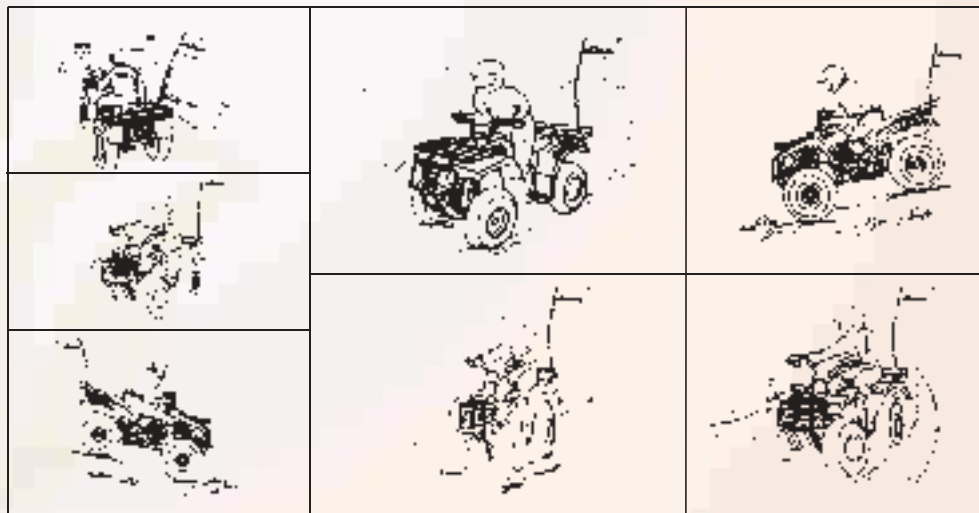
- Improper handling of gasoline can cause fire and can cause, injuries and deaths and other serious accident. So, do not refuel right after the engine has been running and is still every hot. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition. When transporting the machine in another vehicle, be sure it is kept upright and that the fuel cock is in the "OFF" position. Otherwise, fuel may leak out of the carburetor or fuel tank.

- Never start or run the engine in a closed area will cause the breakdown. And Exhaust fumes are poisonous and may cause loss of the

SAFETY INFORMATION



person's consciousness and death within a short time. Always operate your machine in an area with adequate ventilation.





- 1、Front wheel
- 2、Headlight
- 3、Two/four wheels transforming lever
- 4、Shift pedal
- 5、Fuel cock
- 6、Manual starting lever
- 7、Taillight
- 8、Rear wheel

DESCRIPTION AND MACHINE IDENTIFICATION



9、Rear luggage carrier

10、Exhaust silencer

11、Cushion

12、Fuel tank cover

13、Brake pedal

14、Front luggage carrier



15、Rear brake lever

16、Parking brake shoe

17、Main switch

18、Throttle lever

19、Front brake lever

20、Handlebar switch

21、Choke

DESCRIPTION AND MACHINE IDENTIFICATION

Identification numbers record

When ordering spare parts from a Yamaha dealer or for reference in case the vehicle is stolen. Record the key identification number, vehicle identification number and model label information in the spaces provided for assistance.

1.KEY IDENTIFICATION NUMBER:

2.VEHICLE IDENTIFICATION NUMBER:

3.MODEL LABEL INFORMATION:

Key identification number

The key identification number should be stamped on the key as shown in the following drawing. This number can be used for ordering

a new key.



1. key

Vehicle identification number

The vehicle identification number is stamped on right side tube of frame under frontside of engine.



1、 Vehicle identification number

Model label

The model label is riveted to the frame front of engine. Record the information on this label in the space provided. This information will be needed to order spare parts from your Janshe dealer.



1. Model label

CONTROL FUNCTIONS

Main switch

Function of the respective switch positions are as follows:

ON:

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









OFF:

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

Digital meter assy



- ① Reverse indicator "R"
- ② Neutral indicator "N"
- ③ 1 gear "1" ④ 2 gear "2" ⑤ 3 gear "3"
- ⑥ 4 gear "4" ⑦ 5 gear "5"
- ⑧ Oil temperature indicator "  "
- ⑨ Emergency indicator "  "
- ⑩ Right turn indicator "  "
- ⑪ High beam indicator "  "
- ⑫ Left turn indicator "  "
- ⑬ Four-wheel indicator "  "

1. Reverse indicator "R"

It comes on when rversing

2. Neutral indicator "N"

When the gear is in neutral, it comes on.

3. 1 gear "1"

It displays "1" when the gear is 1st.

4. 2 gear "2"

It displays "2" when the gear is 2nd.

5. 3 gear "3"

It displays "3" when the gear is 3rd.

6. 4 gear "4"

It displays "4" when the gear is 4th.


7. 5 gear "5"

It displays "5" when the gear is 5th.


8. Oil temperature indicator " "

When the oil temperature reaches set temperature, the oil temperature indicator come on to warn the cutomer that the oil temperature is too high. If the oil temperature indicator is always on during run -in period of motorcycle, the engine should be stopped to assure engine safety. Cool the engine below set temperature for about 10 minutes.


9. Emergency indicator " "

It comes on to display "  " when the emergency switch is turned on.


10.Right turn indicator " "

When the turn light switch is placed to right, it displays "  ".

11. High beam indicator

When the high beam switch is turn on, it comes to display "  ".

12. Left turn indicator " "

When the turn indicator switch is placed to left, it displays "  ".

13. Four-wheel indicator " "

When the two/four wheel controlling lever is placed at foru -wheel position, the four -wheel indicator come on.



①Speed mileage ②Accarnulative mileage

CONTROL FUNCTIONS












Speedometer mileage




The speed mileage may display the imedicate speed and accumulative mileage.

Handlebar switch



- ①Lighting switch "  /  ● "
- ②Horn switch "  "
- ③Starting switch "  "
- ④Emergency switch "  "
- ⑤Turn light switch "   "
- ⑥High / low beam switch "   "
- ⑦Manual choke

1. Light switch

When the switch is placed at "  ", the headlight, taillight and meter light comes on. When the switch is placed at "   " the taillight and meter light comes on. When the switch is placed at " ● ", the headlight, taillight and meter light will not come on.


2. Horn switch

When pressing down the horn button, the horn sounds.

3. Starting switch

Press down the starting switch to start the engine.

4. Emergency switch " "

When switch is placed at "  " position, the four turn lights and indicators flash within 1 second by set frequency

5. Turn light switch

When the switch is placed at left, the left turn light and left turn indicator come on and display "

⇐ ". When the switch is placed at right, the right turn light, right turn indicator come on and display " ⇨ ". When the switch is placed at " ● ", both turn light and turn indicator will not come on.

6. High/low beam switch

When the switch is placed at " ⋮ ", the high beam light comes on, When the switch is placed at " ⋮ ", the low beam light comes on.

7. The manual choke closes when placed at left side, and opens when placed at right side.

Throttle lever

Once the engine is running, movement of the throttle lever will increase the engine speed. Adjust the



①Throttle lever ②Front brake

speed of the machine by changing the throttle position. Because the throttle is spring-loaded, the machine will decelerate, and the engine will return to an idle any time the hand is removed from the throttle lever. Before starting the engine, check the throttle to be sure it is operating smoothly. Make sure it returns to the idle position as soon as the lever is released.

Check the operation of the throttle lever before starting the engine. If it does not work smoothly, check for the cause. Correct the problem before riding the ATV. Consult a Jianshe dealer if you can't find or solve the problem yourself.

Speed limiter

The speed limiter keeps the throttle from fully opening, even when the throttle lever is pushed to

CONTROL FUNCTIONS



the maximum. Screwing in the adjusting screw limits the maximum engine power available and decreases the maximum speed of the ATV.



①Locknut ②Adjusting screw
a. 12mm(0.47in)

Caution:

Do not turn the speed adjusting screw out more than 12mm. Always make sure the throttle lever free play is adjusted to 3–5mm.

Front brake lever

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



①Rear brake pedal

Rear brake pedal and lever

The brake pedal is located on the right side of the machine and the brake lever is located on the left handlebar. Pull the lever toward the handlebar or tread down the pedal to apply the rear brake.



①Rear brake lever
②Lock plate

Parking brake

When you have to start the engine or park the machine, especially on a slope, use the parking brake. Apply the rear brake lever and push down the lock plate to apply the parking brake. Squeeze the rear brake lever to release the parking brake.



① Lock plate

Caution:

● The ATV could start moving unexpectedly if the parking brake is out of function before starting the engine. This

could cause loss of control or a collision.

● The brake could overheat if you ride the ATV without releasing the parking brake. You could lose braking performance which could cause an accident. You could also wear out the brakes prematurely.

How to avoid the hazard

Always set the parking brake before starting the engine. Always be sure the parking brake have been released before you begin to ride.

Note:

It indicates you don't conduct maintenance or operation of four wheel vehicle of ATV according to the requirements in the manual, the vehicle might be damaged due to this reason.

CONTROL FUNCTIONS



2WD/4WD shift lever "2WD/4WD"

To shift the 2WD to 4WD, stop the ATV and shift, the shift lever to 4WD position.

To shift the 4WD to 2WD, stop the ATV and shift the shift lever to 2WD position.



①2WD/4WD shift lever

Warning:

Potential hazard:

When driving the ATV and shifting 2WD to 4WD or 4WD to 2WD, the 2WD is different from 4WD in operation. Shifting 2WD to 4WD when driving the ATV will make the ATV encounter the unexpected different controls, which will increase the accident risk.

Shift pedal

This machine is equipped with a constant mesh 5-speed transmission. The shift pedal is located on the left side of the engine. Neutral is at the bottom position.



①Shift pedal

Drive select lever

The drive select lever is used for driving the machine either forward or in reverse. Refer to page for drive select lever operation.



①Drive select lever

Recoil starter

Firmly grasp the handle and pull slightly up to

engagement can be felt. Then pull forcefully, being careful not to pull the rope all the way out.



①Harn start lever

Caution:

Don't start the engine in non-neutral or without setting the parking brake system.

Put the transmission in neutral and set the parking brake before starting the engine.

Fuel tank cap

Remove the fuel tank cap by turning it

counter-clockwise.

Fuel gauge

This fuel gaug indicates the fuel amount in the fuel tank, when the indicating needle points to the red line, refuel as soon as possible.



①Fuel tank cap ②Fuel gauge

Fuel cock

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

The fuel cock has three positions.

OFF:

If the lever is in this position, fuel will not flow.

CONTROL FUNCTIONS



Always turn the lever to this position when the engine is not running.

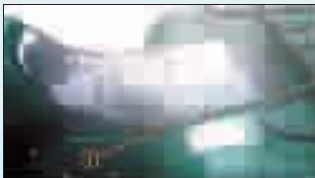
ON:

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



RES:

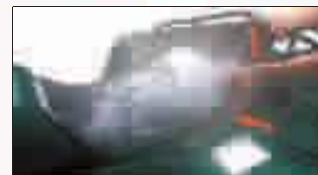
This indicates reserve. If you run out of fuel while riding, turn the lever to this position. After refuelling, return the fuel cock lever to the "ON" position.



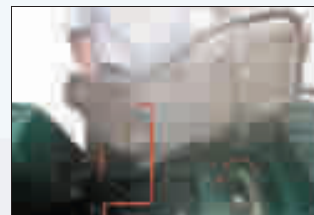
① Seat lock lever

Seat

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



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



Storage box

Maximum load limit:2kg

Front carrier

Maximum load limit: 40kg.



Rear carrier

Maximum load limit: 80kg.

Rear shock absorber

The spring preload can be adjusted to suit the rider's weight and riding conditions.

Spring preload adjustment

To increase the spring preload, turn the adjuster in direction **a**. To decrease the spring preload, turn the adjuster in direction **b**.

Standard position: B

A–Minimum (soft) E–Maximum (hard)



- a. Increasing spring preload
- b. Decreasing spring preload

Reserve DC socket

This reserve DC socket is located on the front right side of ATV, this reserve DC socket is used for working light, radio, etc. This reserve DC socket can be used only when the engine is running.

1. Turn the light switch to "OFF" position.

CONTROL FUNCTIONS

2.Start engine.

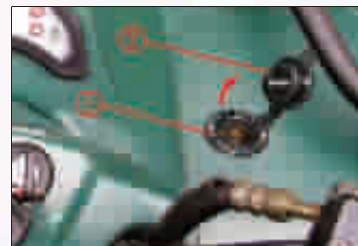
3.Open the reserve DC socket cover, then insert the reserve plug into the socket.

4.If the DC socket is needed to be stored, cover it with the cover.

The Max rated power of reserve DC socket is DC 12V, 125W(10A).

Caution:

- Don't use the automatic lighter or other spare parts which will heat the plug.
- Never use the spare parts with the Max. rated power out of the specification.



1. Steering lock

Steering lock (ECE)

Before using this machine, check the following points:

ITEM	ROUTINE	Remark
Brakes	•Check operation, condition and free play	
	•Adjust if necessary	
Engine oil	•Check oil level	
	•Fill with oil if necessary	
Fuel tank	Check fuel level	
	Fill with fuel if necessary	
Gear oil	•Check for leakage	
Throttle	•Check for proper throttle cable operation	
Wheels and tires	•Check tire pressure wear and damage	
Fitting and fasteners	•Check all fittings and fasteners	
Lights	•Check for proper operation	
Battery	•Check the voltage	

Inspect the ATV each time you use it to make sure the ATV is in safe operating condition.

Follow the inspection and maintenance procedures and schedules described in the Operation Manual.

PRE-OPERATION CHECKS



Front and rear brakes

Always check the brakes at the start of every ride. Do not ride the ATV if you find any problem with the brakes. If a problem cannot be corrected by the adjustment procedures provided in this manual, have the ATV inspected by a Jianshe dealer.

1.Brake levers and brake pedal

Check for correct free play in the brake levers and brake pedal, If the free play is incorrect adjust it see pages.

Check operation of the levers and pedal. They should move smoothly and there should be a firm feeling when the brake is applied. If not, have the machine inspected by a Jianshe dealer.

2.Brake operation

Test the brakes at slow speed after starting out to make sure they are working

properly. If the brakes do not provide proper braking performance, inspect the brakes for wear. See Page.

Fuel

Make sure there is sufficient gasoline in the tank.

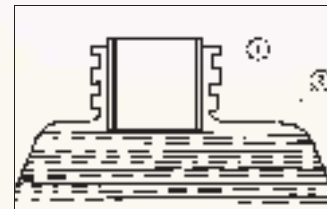
Recommended fuel: unleaded fuel

Fuel tank capacity:

Total: 13L

Reserve: 2.5L

Unleaded fuel will give a longer spark plug life and reduce maintenance cost. If unleaded gasoline is not available, then leaded regular gasoline can be used.



Caution:

Fuel can spill, causing a fire and severe injury.

Fuel will expand when it heats up. If the fuel tank is overfilled, fuel could spill out due to heat from the engine or the sun. So, do not overfill the fuel tank. Be careful. Do not spill fuel, especially on the engine or exhaust pipe. Wipe up any spilled fuel immediately. Be sure the fuel tank cap is closed securely. Do not refuel right after the engine has been running and is still very hot.

Engine oil

Make sure the engine oil is at the specified level. Add oil as necessary. (See page)

Recommended oil

SAE20W40: Suitable for the ambient temperature (5°C–45°C)

SAE10W30: Suitable for the ambient temperature (–10°C–35°C)

SAE5W30: Suitable for the ambient temperature (0°C or below)

Recommended engine oil classification:

SE, SF, SG type or higher.

Oil quantity:

Periodic oil change: 2.9L

With oil filter replacement: 3.0L

Total amount: 3.5L

Lubrication oil of gear case

Make sure the lubrication oil of gear case is at the specified level. Add oil as necessary. (see

PRE-OPERATION CHECKS



page for details).

Recommended oil

SAE80 API GL Hypoid gear oil.

Throttle lever

Check to see that the throttle lever operates correctly. It must open smoothly and spring back to idle position when released. Repair as necessary for proper operation.

Fittings and Fasteners

Always check the tightness of chassis fittings and fasteners before a ride. Refer to the Service Manual for correct tightening torque.

Lights

Check the headlight and taillight to make sure they are in working condition. Repair as necessary for proper operation.

Switches

Check the Operation of the headlight. switch, engine stop switch and any other switches. Repair as necessary for proper operation.

Battery

- The battery is an enclosed one and unnecessary to fill water.(see page)
- Don't take off the closing bolt when charging.
- when charging, please obey the charging current and time as shown on the following table.

Charge criteria: Charge the battery with ten percent of capacity of battery for 5 to 10 hours, or quickly charge the battery with 2A to 3A for 2 hours.

Tire

The size and type (in low pressure condition) of hollow tire used for JS400 are listed below.

	Front wheel	Rear wheel
Size	AT25×8-10	AT25×10-10
Type	zheng xin or Lixing	zheng xin or Lixing

Warning:

● Use of improper tires on this ATV, or operation of this ATV with improper tire pressure may increase your risk of accident.

● Use of improper tires on this ATV, or operation of this ATV with improper tire pressure may cause loss of control.

● Pay attention to choose the Size and type of used tire according to the description in the above chart and make sure that the tire pressure is normal.

2. The tires should be set to the recommended pressure.

● Recommended pressure:

Front 25kPa(0.25kgf/cm²,3.6psi)

Rear 25kPa(0.25kgf/cm²,3.6psi)

● Check and adjust tire pressure when the tires are cold.

● Tire pressure in two sides should be the same.

3. Tire Pressure below the minimum specified could cause the tire to dislodge from the rim under severe riding conditions, the following

PRE-OPERATION CHECKS



are minimums:

Front 22kPa(0.22kgf/cm²)

Rear 22kPa(0.22kgf/cm²)

4. Use no more than the following pressure

when seating the beads

Front 250kPa(2.5kgf/cm², 36psi)

Rear 250kPa(2.5kgf/cm², 36psi)

Higher pressures may cause the tires to burst.

Inflate the tires very slowly and carefully. Fast inflation could cause the tires to burst.

How to measure tire pressure

Use the low-pressure tire gauge.



Caution:

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

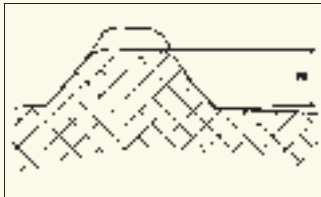
Set pressure when tires are in cold and set tire pressures to the condition following specifications:

1. Low-pressure tire gauge:

	Recommended pressure	Minimum	Minimum
Front	25kPa (0.25kgf/cm ²)	22kPa (0.22kgf/cm ²)	28kPa (0.28kgf/cm ²)
Rear	25kPa (0.25kgf/cm ²)	22kPa (0.22kgf/cm ²)	28kPa (0.28kgf/cm ²)

Tire wear limit

When the tire groove decreases to 3mm due to wear.



a.3mm(0-12in)

Warning:

● Never operate ATV until you are familiar with all controls.


● Read the Operation Manual carefully. If there is a control or function you do not understand, ask your dealer.

Starting an engine

Warning:

Never ride the ATV in cold weather, always make sure all control cables work smoothly before you begin riding. Please read the "engine break-in" section. before you operate the engine at first time.

starting a cold engine:

- 1.set the parking brake.
- 2.Turn the fuel lock to "ON".
- 3.Turn the main switch key to "  " position.
- 4.Shift the transmission into neutral.

Warning:

The engine can be started in any gear if the rear brake lever is applied. However, it is recommended to shift into neutral before starting the engine.

5. use the starter (choke) in reference to the figure.

Note:

- If the engine fails to start, release the start switch, then push the start switch again, pause a several seconds before the next attempt. Each cranking should be as short as possible to preserve battery energy. Do not crank the engine more than 10 seconds for each starting.

- If the battery is discharged, pull the recoil starter to start the engine.

Starting a warm engine

The throttle should be opened slightly when starting a warm engine.

Prewarming

To get maximum engine service life, prewarm the engine before starting off. Never accelerate forcefully with a cold engine.

Drive select lever operation and reverse driving

Caution:

Before shifting, stop the machine and return the throttle lever to its closed position. Otherwise the transmission may be damaged.



- 1.Reverse switch
a.Forward b.Reverse

- 1.Stop the machine completely and return the throttle lever to the closed position.
- 2.Apply the rear brake pedal.
- 3.Shift the transmission into first gear.
- 4.While pulling the lock release button, move the drive select lever toward the rear up to it completely stops.

Note:

When in reverse the reverse indicator light should be on. If the light

does not come on, ask a ATV dealer to inspect the machine.

- 5.Check for people or obstacles behind you, then release the rear brake pedal.
- 6.Open the throttle lever gradually and continue to watch to the rear while backing.

Warning:

When shifting into reverse, make sure there are no obstacles or people behind you. when it is safe to proceed, go slowly.

Shifting:

This machine has a 5-speed forward and 1-speed reverse transmission with centrifugal automatic clutch. To shift into

OPERATION

neutral when driving, return the throttle lever to its original position and repeatedly depress the shift pedal until the neutral indicating light is on.



1、Shift pedal
N.Neutral R.Reverse

Caution:

Do not coast for long periods with the engine off, and do not tow the machine a long distance. Even when gears are in neutral, the transmission is only properly lubricated when the engine is running. Inadequate lubrication may damage the transmission.

To start and accelerate:

1.Release the throttle lever.

Caution:

Always close the throttle while shifting gears. Otherwise, the engine and drive train may be damaged.

2.Shift into first gear and release the shift pedal.

3.Open the throttle gradually Once the machine has obtained adequate speed. release the throttle lever.

4.Shift into second gear and release the shift pedal.

5.Open the throttle gradually. Follow the same procedure. When shifting to the next higher gear.

To decelerate:

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

Engine break-in

There is never a more important period in the life of your machine than the period between zero and 20 hours. During this period prolonged full open throttle operation or any condition which might result in excessive engine heating must be avoided, after every full open throttle acceleration, the engine should run at

lower speed for a rest so as to rid itself of the temporary build up of heat. If any abnormality is found during this period, consult a Jianshe dealer.

1.0–10 hours:

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

2.10–20 hours:

Avoid prolonged operation above 3/4 throttle revolving the machine can freely through the gears during running of engine but do not use full throttle any time.

3. After break-in

Avoid prolonged full throttle operation. Change speeds properly.

OPERATION



Parking

When parking. Stop the engine and shift into neutral. Turn the fuel lock to " OFF" and apply the parking brake.



1.Lock plate

Avoid parking on hills or other inclines. If you have to park on an incline put the machine in low gear, apply the parking brake and block the front and rear. Wheels with rocks or other objects. Do not park the ATV on the hills that are so steep you could not walk up them easily.

1.Applying the brakes in low gear to stop the machine.

2.stop the engine.

Accessories:

Pay attention to the following points. choose only accessories designed for you ATV Jianshe dealer has a variety of genuine Jianshe accessories. Choose a genuine Jianshe accessory.

Warning:

● Accessories should be rigidly and securely installed.

● Do not install an accessory where it could interfere with your ability to control the ATV. Examples include a heavy or bulky object attached to the handlebars which could make steering difficult, an accessory that limits your ability to move around on the seat, or one that limits your view. Use extra caution When riding an ATV with accessories.

Loading

Never exceed the weight limits shown. An overloaded ATV can be unstable.

You must use common sense and good judgement when carrying cargo or towing a trailer. Keep the following points in mind:

Maximum loading limit

- Vehicle loading limit (total weight of cargo, rider and accessories) : 210kg
- Front luggage carrier: 40kg
- Rear luggage carrier: 80kg
- Tool kit: 2kg
- Pulling load (total weight of trailer and cargo): 410kg
- Vertical weight on trailer hook: 15kg

- Do not exceed the maximum pulling weight.

- Adjust the load in the trailer.
- Cargo should be put as close to the center of the ATV as possible. Put cargo at the front of the rear luggage carrier. Put the cargo on the middle position and fix it on the carrier firmly.
- Make sure cargo in the trailer is loaded firmly and safely. Otherwise an accident would be happened.
- Make sure the load does not interfere with controls or your sighting.
- Ride more slowly than you would with a load. The more weight you carry, the slower you should go. Although conditions is different, it is not allowed to exceed 2nd gear whenever you are carrying heavier loads or when towing a trailer. The time from brake to stop will be increased for loaded vehicle. High speed and sharp turns should

OPERATION



be avoided.

● Avoid riding on hills and rough road surface. And choose terrain carefully. Extra weight will affect the stability and operation of the ATV.

This machine could be used to carry cargo and passengers is prohibited.

Ride with care

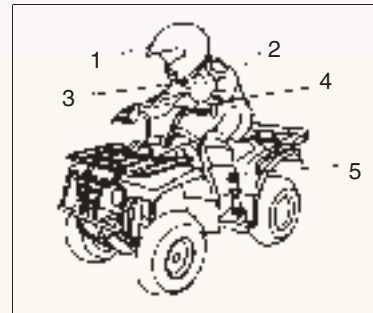
1. Get training if you are unexperienced.

Beginners should be trained at the guide of professional person. Drive with this ATV with low speeds first to familiar with its performance, even if you are an experienced rider, do not attempt to operate at maximum performance until you are totally familiar with ATV's performance.

2. Dress

Always wear a motorcycle helmet when riding.

Also wear the following protective tools eye protection (goggles or dust-proof shield, gloves, boots long-sleeved shirt or jacket, pants)



1. Protective clothing 2. Helmet
3. Goggles 4. Gloves 5. Boots

3. Do not operate after drinking alcohol or drugs containing sleeping pill composition, because operator would be slow in driving in

such way.



4. Always check your ATV each time before you use it to make sure the reliability of ATV. Always follow the inspection and maintenance procedures in the operation manual to protect your ATV.

5. Always select the size and type of tires specified in the operation manual for this vehicle to keep the normal tire pressure.

6. Speed limit valve

This valve is used for beginners to limit the max speed of the ATV. Rotate the bolt clockwise to increase max. speed, and rotate it

counterclockwise to decrease max speed.



1. Locknut 2. Adjusting bolt

7. Always keep your feet on the footboards during operation. Otherwise your feet may contact the rear wheels.

Never attempt stunts, such as wheelies or jumps. Don't try to show off.

8. Refit

Improper installation of accessories or refit of this vehicle may cause changes in handling which in some situations could lead to an accident. Never refit this ATV through improper installation

OPERATION



or use of accessories. All parts and accessories added to this vehicle should be genuine Jianshe or equivalent components designed for using on this ATV and should be installed and used according to instructions. of Jianshe dealer. If you have questions, consult with authorized ATV dealer.

9.Exhaust silencer

The exhaust silencer is very hot during driving. To avoid burns, do not touch the exhaust cylinder. Park the machine where pedestrians or children can not touch it.



Silencer

10.Where to drive:

This vehicle is designed for wild terrain. So driving on the tarmacadam shall give rise to out of control

Don't operate the ATV on the tarmacadam, including the pavement public road、 parking ground and walking street.

Don't operate the ATV on any public road street or highway.

Know the terrain where you ride

Ride carefully in complicated terrain. Stay alert for holes, rocks or roots in the terrain otherwise may cause the machine to tip over.

When riding in an area where you might not easy to be seen, such as dune and hilly land, must mount a caution flag on the machine to remind other vehicles.

Do not ride in areas of forbidding pass. Do not ride on private property.



Operation course

Caution:

Do not shift gears without releasing the throttle. Otherwise may cause damage to the engine or drive gear.

When slowing down or stopping, release the throttle and brake gradually. As you brake,

shift to lower gear. Ensure that the engine has sufficiently slowed. Improper use of the brakes or shifting can cause the tires sliding to lose the control.

Must make the engine to slow down fully before engaging a lower gear.

Turning

Must make the turning practice in low speed before making a turn.

Turn your ATV according to procedures in operation manual. Practice should be done before turning in high speed.

The turning speed should not be too high.

As you approach a curve, slow down and begin to turn the direction rod. Then put your gravity center on the footboard to the outside of the curve and lean your body inside. Make the

engine to maintain an even speed when passing the curve. This maneuver will let the tire on the inside of the curve slip slightly.

The turning practice should be in flat area without any obstacles. Improper operation may make your ATV to go straight. If the ATV doesn't turn, stop it and practise again. If the riding surface is loose and slippery, move your weight forward.

Once you have learn this technique you can turn your ATV at higher speed.

The sudden acceleration, brake, incorrect body position and too high speed will cause the ATV to slip. If the ATV slips while passing a curve and the ATV machine leans inward, you should release the throttle and move your body gravity center to outside of the carve to avoid tipping over.

Remember: ride at higher speed only after you are thoroughly familiar with the operation of your ATV.

Climbing slope

Don't ride on slope before you are very familiar with ATV operation skill. otherwise it will cause accidents.

Necessary practice is required. When climbing the hill, move your body gravity center forward and operate according to procedures in operation manual.

Climb the hill according to the method in manual.

Check carefully before climbing.

Do not drive on slippery and loose slope.

Transfer your body gravity center forward and avoid abrupt acceleration and shift.

Drive in low speed when climbing the hill.

Warning:

There may be other vehicles and persons on other side of slope.

If your ATV can not climb the slope, turn round your ATV.

Make turning practice according to procedures in operation manual. Do not make turn on slope. Be more careful when making a turn on slope and avoid to climb steep slope when possible. When climbing the slope:

Do not drive on depression and slippery slope and drive according to procedures in operation manual.

Ensure the ATV not to slip when stop it on slope.

The shift should be proper and speed should be stable when climbing slope. losing traction force, you should transfer the gravity center forward and brake the machine. Close the brake closing piece after stopping the machine.

If the machine slips backward

Transfer your gravity center backward

Brake by foot pedal

Close the brake closing piece after stopping the machine.

Riding downhill

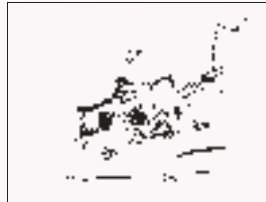
Move your gravity center backward, when riding ATV downhill, your and grip steering bar, and drive at low speed.

Note: The brake performance is very important.

OPERATION



Whenever possible, ride your ATV straight, Turning may cause the ATV to tip over. Avoid too high speed so that you have time to deal with accident.



Caution:

Practise the braking skill when decending the hill. Look over the terrain carefully before decending and transfer your body gravity center backward. Ride in low speed when decending the hill Turning speed should not be too high when making a turn, and keep driving straight as far as possible.

Crossing depression

When crossing depression, balance your ATV with body gravity center. You should be familiar with basic skills before crossing depression. Avoid to lose balance to cause accident.

Don't make a turn on a slope before grasping turning skill totally. You should be careful and cautious if making a turn on any slope.

When crossing a slope:

Always follow proper prouclures in operation manual;

Avoid slope with slippery or loose surface.

Lean your gravity center in the slope direction.

Crossing through shallow water

The ATV can be used to cross shallow water of maximum depth of 35cm. Check your path carefully before crossing, and avoid of ride where there is sharp drop off. Drive slowly and carefully.

Pay attention that wet brakes may reduce brake ability. Check your brakes after leaving water. If necessary, apply them to let friction dry out the linings several times.

Riding over rough terrain

Be careful when riding on rough terrain. When riding over terrain which may damage the ATV, lay your feet on the foot pedals to avoid jumping and loss of control.

Don't try to ride over big obstacles such as rock and tree on the road. Follow the procedures

in operation manual when riding over obstacles.

Slipping

The ATV may lose control when driving on loose and slippery surface. Moving your gravity center forward is helpful to control the slipping of front wheels. When the rear wheel begin to slip, steer direction properly. Apply the brake only until you have stopped the slipping.



Practise safely control slipping at low speed. On very slippery surfaces, such as ice, drive

OPERATION

slowly to avoid loss of control.

The above introduction is only for reference. Read it carefully and act according to circumstances.



PERIODIC MAINTENANCE AND ADJUSTMENT

Periodic inspection, adjustment, and lubrication will keep your machine in the safest and most efficient condition. The points of machine inspection, adjustment, and lubrication are detailed in following.

Note:

Turn off the engine when maintaining unless specified. Have a Jianshe dealer perform service if you are not familiar with maintenance.

Operation manual and tool kit

You are recommended to put this operation manual in the vinyl bag and lay it under the seat as shown. Put the tool kit and low-pressure tire gauge in the storage case.

The maintaining information included in this manual is provided you with the necessary information for completing preventive maintenance and minor repairs by yourself. The tools provided in the tool kit are sufficient for this purpose, except a torque wrench necessary

to tighten nuts and bolts.

Note:

If you do not have a required torque wrench during maintenance, take your machine to a Jianshe dealer to check the torque settings and adjust them as necessary.

PERIODIC MAINTENANCE/LUBRICATION

ITEM	ROUTINE	INITIAL			EVERY	
		1month	3month	6month	6month	1year
Valves	Check valve clearance. Adjust if necessary.	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	
Spark plug	Check condition. Adjust gap and clean. Replace if necessary.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Air filter	Clean. Replace if necessary.	Every 20-40 hours(more often in wet or dusty areas)				
Carburetor	Check idle speed/starter operation. Adjust if necessary.		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Cylinder head breather system	Check breather hose for cracks or damage. Replace if necessary.			<input type="radio"/>	<input type="radio"/>	
Exhaust system	Check for leakage. Retighten if necessary. Replace gasket if necessary.			<input type="radio"/>	<input type="radio"/>	
Spark arrester	Clean.			<input type="radio"/>	<input type="radio"/>	
Fuel line	Check fuel hose for cracks or damage. Replace if necessary.			<input type="radio"/>	<input type="radio"/>	
Engine oil	Replace (Warm engine before draining).	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	
Engine oil filter	Clean.	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
Engine oil strainer	Clean.	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
Final gear oil	Check oil level/lil leakage. Replace.	<input type="radio"/>				<input type="radio"/>

Brake	Check operation. Adjust if necessary.	○	○	○	○	
Clutch	Check operation. Adjust if necessary.	○ ○ ○				
Wheels	Check balance/damage/runout. Replace if necessary.	○		○	○	
Wheel bearings	Check balance/damage/runout. Replace if necessary.	○		○	○	○
Front and rear suspension*	Check operation. Correct if necessary.			○		
Steering system	Check operation. Correct if necessary. Check toe-in. Adjust if necessary.	○	○	○	○	
Steering shaft	Lubricate every 6months. (use Li grease)			○	○	
Fittings and Fasteners*	Check all chassis fittings and fasteners. Correct if necessary.	○	○	○	○	

·It is recommended that these items be service by a Jianshe dealer.

PERIODIC MAINTENANCE/LUBRICATION



Engine oil

1. Engine oil level measurement

a. Place the machine on a flat surface Warm up the engine for several minutes and turn off it. Wait more than 10 minutes for the oil to drain back into the crankcase before checking the oil level.



1. Dipstick
2. Maximum level mark
3. Minimum level mark

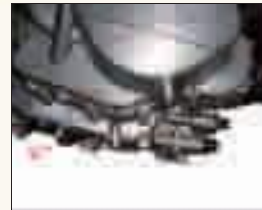
b. Wipe the dipstick off with a clean rag. Insert the dipstick in the filler hole.

c. Remove the dipstick and inspect the oil level.

d. The oil level should be between maximum and minimum marks. If the level is low, add oil to raise it to proper level.



1. Drain plug
2. O-ring
3. Compression spring
4. Oil strainer



2. Engine oil replacement and oil filter element cleaning

a. place the machine on a flat surface. Warm up the engine for several minutes and turn off. Place a container under the engine. Remove the dipstick and open the drain plug to drain the oil.

b. Remove the oil filter cover and oil filter. Clean the oil strainer and oil filter with solvent.

c. Inspect the O-ring and replace if damaged.

d. Reinstall the oil filter, O-ring and oil filter cover. Replace the oil strainer, compression spring, O-ring and drain plug. Then tighten the drain plug and filter cover bolts to the specified torque.

Tightening torque:

Drain plug (engine): 32Nm (3.2m·kg)

Filter cover bolt: 10Nm (1.0m·kg)

e. Add oil to the engine with oil and install the dipstick.

Caution:

Be sure no foreign material enters the crankcase.

f. Warm up the engine for several minutes at idle speed. Check for oil leakage when warming up.

Caution:

If oil leakage is found, turn off the engine promptly and check for the cause.

Filling oil to engine

Recommended oil: See P21

Engine oil quantity:

Periodic oil change: 2.9L

With oil filter replacement: 3.0L

Total amount: 3.5L

PERIODIC MAINTENANCE/LUBRICATION



3. Oil pressure inspection

a. Wrap the cylinder with a cloth.



1. Oil gallery bolt 2. Cloth

b. Slightly loosen the oil gallery bolt in the cylinder head.

c. Start the engine and keep it at idle speed until oil begins to seep from the oil gallery bolt. If no oil comes out after one minute, stop the engine to find the cause.

d. Restart the engine and check the oil pressure.

e. After checking, tighten the oil gallery bolt to

the specified torque 7Nm(0.7m·kg)

f. Remember to inspect the oil pressure after replacing the engine oil.

Lubrication oil of final gear case

a. Measurement of lubrication oil of gear case.

Place the ATV on a level place. Remove the oil filler bolt and check the oil level. It should be up to the brim of the hole. If the level is too low, add oil to raise it to the proper level.

b. Install the oil filler bolt and tighten to the specified torque:23Nm(2.3m·kg, 17ft·lb)



1. Lubrication oil of final gear case
2. Correct oil level 3. Oil filler bolt



1. Final gear case cap



1. Drain plug

Lubrication oil replacement of final gear case

- a. Remove the gear case cover.
- b. Place the ATV on a flat surface.
- c. Place a container under the final gear case.

d. Remove the oil filler bolt and the drain plug to drain the oil.

e. Install the drain plug and tighten to the specified torque: 23Nm(2.3m·kg)

f. Fill the final gear case with oil.

Recommended oil:

SAE 80 API "GL-4" Hypoid gear oil

Oil quantity:

Periodic oil change: 0.25L(0.21 Imp qt,)

Total amount: 0.27L(0.23 Imp qt,)

g. Install the filler bolt and tighten to the specified torque: 2.3Nm(2.3m·kg)

h. Check for oil leakage. If oil leakage is found, check for the cause.

i. Reinstall the final gear case cover.

Lubrication oil of front drive gear case

- a. Measure of lubrication oil of front drive

PERIODIC MAINTENANCE/LUBRICATION



gear case

Place the ATV on a level place. Remove the oil filter bolt and check the oil level. It should be up to the brim of the hole. If the level is too low, add oil to raise it to the proper level.

b.Install the oil filter bolt and tighten to the specified torque 12Nm(1.2m·kg·8.7ft·16f)



1.Oil filling bolt

Lubrication oil replacement of front drive gear case

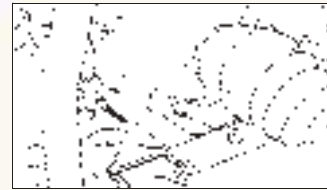
- Place the ATV on a flat surface
- Place a container under the front drive

gear case.

c.Remove the oil filter bolt and the drain plug to drain the oil.

d.Install the drain plug and tighten the torque 23Nm (2.3m·kg).

e.Fill the front drive gear case.



1.Drain bolt

Recommended oil: SAE80API "GL-4" Hypoid gear oil

Oil quantity:

Periodic oil change:0.35L(0.31Imp qt, 0.37us qt)

Total amount:0.4L(0.35Imp qt, 0.42us qt)

f: Install the filling bolt and tighten to the

torque 12Nm(1.2m·kg, 8.7ft 16f)

g. Check for oil leakage. If oil leakage is found, check for the cause.

Spark plug inspection

You should periodically remove and check the spark plug because heat and deposits will cause slow damage oaderosionof the spark plug. If electrode erosion is excessive, you should replace the spark plug with one of the proper type D8REA.

Before installing the new spark plug, measure the electrode gap with a feeler gauge and adjust to specification.

Spark plug gap:

0.6–0.8mm



1. Spark plug clearance

When installing the spark plug, generally clean the gasket surface and use a new gasket. Clean off any grime from the threads and tighten to specification.

Spark plug torque: 17.5Nm(1.75m·kg)

Air filter cleaning

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



1. Check hose

PERIODIC MAINTENANCE/LUBRICATION



1. Remove the seat.
2. Remove the air filter case cover.



1.Air filter case cover



- 1.Air filter element
- 2.Foam cover

- 3.Remove the air filter element.
- 4.Remove the foam cover from the air filter element.
- 5.Tap the element lightly to remove most of the dust and dirt. Blow out the remaining dirt with compressed air. If the element is damaged, replace it.
- 6.Wash the foam cover gently thoroughly in water or solvent.
- 7.Squeeze the excess water or solvent out of



the foam cover and let it dry. Do not twist the foam cover when squeezing it.

8. Check the foam cover. If damaged, replace it.

9. Reinstall the foam cover to the air filter element.

10. Reinstall the removed air filter unit and parts removed.

Caution:

The carburetor was set at the Jianshe factory after many tests. If the settings are disturbed by someone without sufficient technical knowledge, poor engine performance and damage may result.

Caution:

Never run the engine with the air filter element removed. This will let unfiltered air enter, causing rapid wear and possible damage of engine. Additionally, operation without the filter element will weak the performance of carburetor and cause overheating of engine.

Carburetor adjustment

The idle speed may be performed by customer as a part of the routine maintenance.

Idle speed adjustment

1. Start the engine and warm it up for a few minutes at approximately 1000–2000r/min. Increase the speed of engine to 4000–5000r/min.

PERIODIC MAINTENANCE/LUBRICATION



2. Set the specified idle speed by adjusting the throttle adjusting screw. Turn the screw in to increase engine speed and turn it out to decrease engine speed.

Specified idle speed: 1450–1550r/min



① Throttle adjusting screw

Valve clearance adjustment

Incorrect valve clearance will result in improper fuel/air supply or engine noise. To prevent this, the valve clearance must be adjusted regularly, but the adjustment should be done

by a professional maintenance technician.

Throttle lever adjustment

Caution:

Adjust the engine idle speed before adjusting the throttle lever.

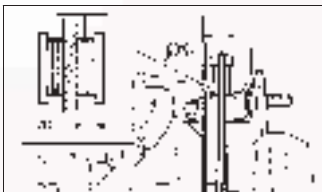
1. Loosen the locknut.
2. Rotate the adjusting bolt until the throttle lever free clearance is 3–5mm(0.12–0.20in)
3. Tighten the locknut



1. Adjusting bolt
 2. Lock nut
- a. 3–5mm(0.12–0.20in)

Front brake friction piece inspection

When run the brake, check the wear indicator. If the wear indicator almost contact with round pan, ask a Jianshe Group dealer to replace the friction piece.



- 1.Wear indicator
- 2.Wear limit

Brake liquid inspection

Lacking of brake liquid may let air run into the brake system, which may lead the brake be out of function. Before driving, check whether the brake liquid level is higher than the lower limit. Refill the brake liquid at same model if necessary.

Recommend brake liquid:DOT4



- 1.The lowest liquid level signal "lower"

Brake liquid replacement

- 1.The complete replacement of brake liquid should be done by trained workers of the Jianshe Group
- 2.When periodic maintain or damage of block or oil occurs, ask the Jianshe Group dealer to replace the following components:
 - Replace all the rubber seal components every two years.
 - Replace all the pipes every four years.

Front brake adjustment

PERIODIC MAINTENANCE/LUBRICATION



The free clearance at the end of the front brake lever must be 0mm, if not, ask the Jianshe Group dealer to adjust it.

Rear drum brake shoe inspection

A wear indicator is mounted on each brake. The wear of brake shoe could be checked under the condition of disassemble brake. If the indicator reaches the wear limit, ask a Jianshe Group dealer to replace the shoes as a set.

Rear brake adjustment

1.Brake adjustment

a.Fully loosen the adjusting nut on the brake cable.

b.Rotate the adjusting nut on the brake rod until the free clearace rod until the free clearance is 20–30mm



1.Wear indicator
2.Wear limit



1.Brake cable adjusting nut
2.Brake rod adjusting nut



2.Braek lever

a.Loosen the lock nut and fully turn in the adjusting nut on the handle bar.

b.Turn in the adjusting nut on brake cable to get a gap of 0–1mm between the lever and pin of pivot.

a. 20–30mm



- 1.Lock nut
- 2.Adjusting nut



- 1.Brake cable adjusting bolt
- a.0-1mm(0-0.04in)

c.Rotate the adjusting nut until the free clearance is 5-7mm.

d.Tighten the lock nut.



- 1.Lock nut
 - 2.Adjusting nut
- a.5-7mm

Caution:

After maintenance

- Make sure the brake is operated smoothly and the free clearance is correct.

- Make sure the brakes do not skid.

- Replacement of brake components requires professional knowledge. These procedures should be done by Jianshe Group dealer.

Adjustment methoded front and rear brakes (ECE)

JS400ATV's foot brake system is frotn and rear brake mechanisim in combination. When tread down the brake pedal with left foot, the

PERIODIC MAINTENANCE/LUBRICATION



front and rear wheels will be braked at the same time.

In order to ensure the motorcycle brake safety, when adjusting the front and rear brakes, we recommend conduct adjustment as following methods:

1. Loose the brake cable adjusting nut completely.

2. Loose the adjusting nut of brake lever completely.

3. Tread down the brake pedal, inspect if the free play is within the range of 20–30mm, if out of the range, adjust the working length of cable and tighter up the locking nut of cable.

Warning:

- Make sure the brakes operate smoothly and the free play meet the requirement;
- Make sure the brake don't skid;
- Replacement of brake components requires professional knowledge.

These procedures should be done by Jianshe Group dealer.

Clutch adjustment

1. Loosen the lock nut.

2. Slowly rotate the adjusting bolt counterclockwise until resistance is felt. Then, rotate it by $\frac{1}{8}$ turn



1. Lock nut 2. Adjusting bolt

clockwise, i.e. 45°C

3. Tighten the lock nut to specified value.

Tightening torque: 15Nm (1.5m·kg)

Caution:

Turn the adjusting bolt counterclockwise to decrease the clutch free clearance and turn it clockwise to increase the free clearance.

Recommended lubricant:

SAE 10W30 Lubricant

Brake and shift pedal/brake lever lubrication

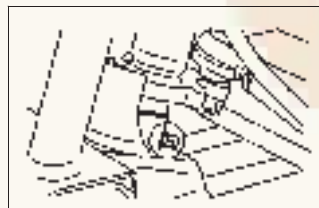
Lubricate the pivoting parts of each lever and pedal.

Recommended lubricant: SAE 10W30 Lubricant

Steering vertical tube lubrication

Use a grease gun to lubricate the pivot points.

Recommended lubricant: Lithium-base grease



Cable inspection and lubrication

The damage of outer cover of control cable can cause corrosion fray or kink of cable. Operation of cables could be strictly executed, otherwise it could cause an accident or injury.

Inspect cable frequently and replace damaged cables. Lubricate the inner cables and the cable joints. If the cable can not be operated smoothly, ask a Jianshe Group dealer to replace them.

PERIODIC MAINTENANCE/LUBRICATION



Wheel remove

- 1.Left the wheel by placing a suitable support under the frame.
- 2.Remove the nut on the wheel.
- 3.Remove the wheel assembly.



Wheel installtion

Wheel installation is contrary from the removal procedure. Pay attention to the following points:



1.Arrow mark

1.The arrow mark \curvearrowright on the tire must point to the rotating direction of the wheel.

2.Tapered wheel nuts are used for both front and rear wheels. Install tapered side of the nut towards the wheel.

3.Tighten the wheel nut.



1.Tapered nut

Wheel nut torque:

Front wheel:50Nm(5.5m·kg)

Rear wheel:55Nm(5.5m·kg)

Battery

Caution:

Avoid contact with skin, eyes or clothes.
Always shield eyes when operate battery. Keep children away from it to avoid accidents.

Use and maintenance

1. Don't remove electrolyte cover after enclosed battery is used. Please obey the operation instruction when use the battery.



1. Main fuse
2. Fan control relay
3. Cutting off relay
4. Cutting off control relay

2. If ATV is suspended for a month or even longer time, remove the battery and store it in a cool dark place. Charge it fully before reuse.

3. If the battery is stored over the time mentioned above, check the battery when the voltage is lower than 12V.

Fuse replacement

1. Specification of fuse:

Main fuse: 30A Headlight fuse: 15A

Ignition fuse: 10A

Auxiliary direct-current socket fuse: 10A

Urgency signal control fuse: 10A



1. Headlight fuse
2. Ignition fuse
3. Auxiliary direct-current socket fuse
4. Urgency signal control fuse
5. Reserve fuse

PERIODIC MAINTENANCE/LUBRICATION



2.If the fuse is blown, switch off the main switch and replace with a new fuse of the same specification. If the fuse immediately blows again, consult a Jianshe Group dealer.

Caution:

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

Replacement for headlight bulb

If the headlight bulb burns out, replace the bulb as following steps:

1.Remove the headlight cover



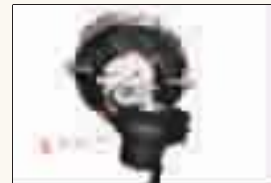
1.Headlight

2.Remove the cover, and rotate the bulb holder counterclockwise

and remove the broken bulb.



1.Screw(x3)



1.Bulb holder cover

Caution:

Wait for the bulb to cool before removing it.

3.Install a new bulb to the bulb holder.

4.Reinstall the cover and headlight cover. Adjust the headlight beam if necessary.



1.Beam adjust screw

Tail light/brake light bulb

1. Open the store box.
2. Remove nuts and washers.
3. Rotate the bulb holder counter clockwise

to remove the bulb holder and bulb.

4. Install a new bulb and the bulb holder

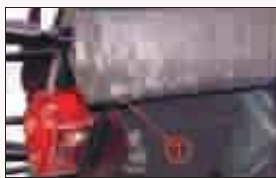
5. Install washer and nuts.



1. Nut(x2) 2. Store box



1. Bulb holder
2. Bulb



1. Clear bolt

Clearance of silencer

Choose a well ventilated place far away from flammable goods. Make sure the exhaust pipe and silencer are cool.

1. Remove bolts.

2. Start the engine and plug up the end of silencer with a towel in order to increase the rotate speed of engine.

3. Stop the engine and cool the exhaust pipe.

4. Instal the bolt and tighten it.

Cleaning and storage

A. Cleaning

Thorough cleaned ATV will has better appearance in general. Cleaning improves its running performance and prolongs the service life of many components.

1. Before cleaning the ATV:

PERIODIC MAINTENANCE/LUBRICATION



a.Plug up the exhaust pipe with plastic bag or strong rubber band to prevent water in.

b.The spark plug and oil filler caps must be strictly installed.

2.If the engine case is excessively dirty, wash it with degreaser. Don't use degreaser for wheels.

3.Rinse the dirt and remove oil dirt on soft hose.

Caution:

Excessive water pressure may cause water seepage and deterioration of wheel bearings, brakes, transmission seals and electrical equipment.

4.When rinsing dirty material for many times, use warm water and mild detergent-type soap. Use old tooth brush a bottle brush to wash hard-get-at-places.

5.After cleaning ATV with clean water, immediately dry the surface with a chamois, clean towel or soft absorbent cloth.

6.Clean the seat with a vinylupholstery cleaner to keep the cover pliable and glossy.

7.Apply automotive type wax to all chrome plated surfaces. Avoid using combination cleaner-waxes. After using abrasives to protect scratched surface, let the engine idle for several minutes.

After washing the brakes, let engine brake several times at slow speed to dry the linings.

B.Storage

Long term storage (60 days or more) of your ATV will require some protective procedures to prevent ATV from damage. After thoroughly cleaning the ATV, adopt the following protective measures:

1.Add fresh fuel into fuel tank.

2. Add one tablespoon of SAE 10W30 or 20W40 motor oil in the spark plug hole and reinstall the spark plug. Ground the spark plug wire and run the engine over several times to coat the cylinder body with oil.
3. Lubricate all control cables.
4. Elevate the engine body to raise all wheels off the ground.
5. Seal the exhaust pipe outlet with plastic bag to prevent water in.
6. If store ATV in a humid or salt-air atmosphere, cover all exposed metal surfaces with a light plastic film of oil. Do not apply oil to any plastic parts or the cushion.
7. Take out the battery and store it in a dry place. The battery should be stored in the place where the ambient temperature should be 30°C maximum and 0°C minimum.

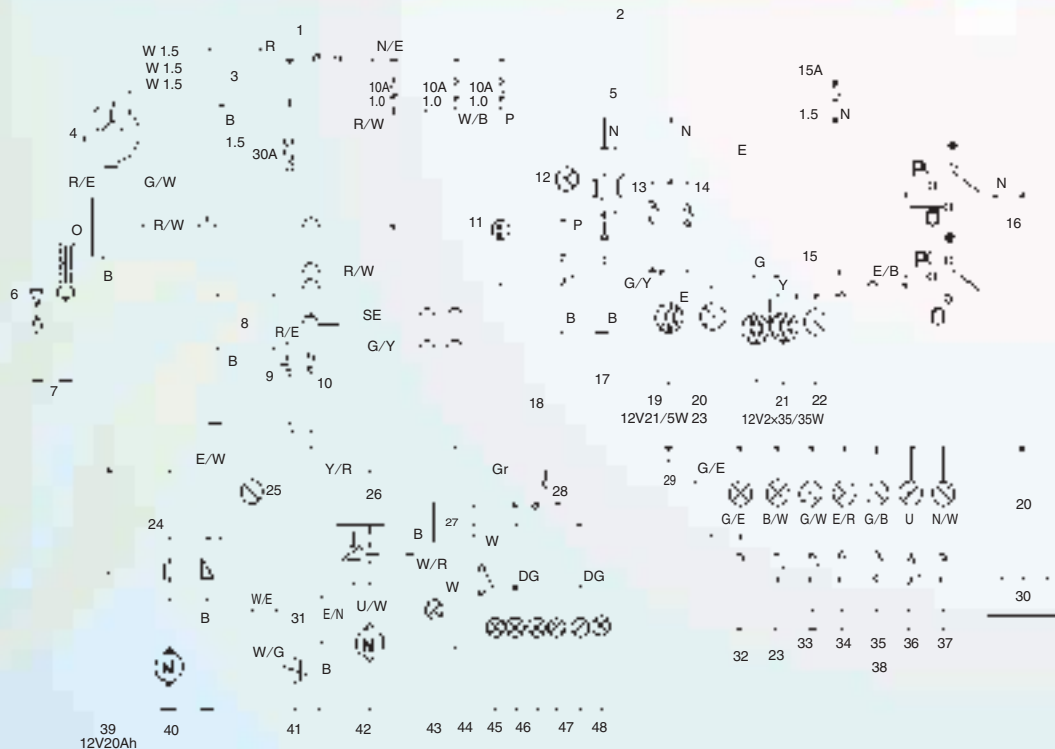
MAIN DATA AND SPECIFICATIONS



Item	Specification	Item	Specification
Dimension:Overall length	2100mm	Gear ratio:	
Overall width	1125mm	1st	40/12(3.333)
Overall height	1175mm	2nd	34/18(1.889)
Seat height	860mm	3rd	30/22(1.364)
Wheel base	1240mm	4th	25/26(0.962)
Minimum ground clearance	210mm	5th	19/27(0.704)
Minimum turning radius	3175mm	Reverse	22/17×35/15(3.020)
Basic weight:		Frame	
With oil and full fuel tank	266kg	Frame type	Steel tube
Engine:	Air cooled, 1-stroke/oil cooled, combination cooled,4-strokes	Caster angle	4°
Displacement	387.4cm ³	Trail	21mm
Bore×Stroke	83×71.6mm	Tire:	
Compression ratio	8.7:1	Type	Vacuum
Starting system	Electric kick starter	Size:Front	AT25×8-12
Lubrication system	Pressure splash	Size:Rear	AT25×10-12

Engine oil: Periodic oil change 2.9L With oil filter replacement 3.0L Total amount 3.5L Total amount of gear oil 0.23L Main fuel tank capacity 13L Reserve fuel tank capacity 2.5L	Brake: Front brake type Pan hydraulic brake Operation Right hand operation Rear brake type Drum brake Operation Left hand or right foot brake
Carburetor: Type Equal vacuum type Spark plug type D8REA Spark plug gap 0.6–0.7mm Clutch type Shoe automatic centrifugal, wet several pieces type	Suspension Front Rock arm Rear Centre damper
Transmission: Primary reduction system Spur gear Primary reduction ratio 76/24(3.617) Secondary reduction system Shaft drive Secondary reduction ratio 28/24x24/18x33/09(5.074) Transmission type Constant mesh, 5 –speed forward, 1–speed reverse Operation Left foot operation	Shock absorber: Front Spring/hydraulic damper Rear Spring/hydraulic damper
	Wheel travel: Front 150mm Rear 150mm
	Electrical: Ignition system C·D·I Generator system A.C. Magneto Battery type/voltage,capacity 12N20–BS 12V20AH Headlight 12V ,35W/35Wx2 Taillight/brake light 12V ,5W/21Wx1 Turn indicator 12V ,10Wx4

ELECTRIC APPLIANCE DIAGRAM



- | | | |
|---------------------------|-----------------------------------|---------------------------------|
| 1.Main switch | 21.Front lights assy | 41.Oil temperature transmission |
| 2.Four ways fuse | 22.High beam indicator | 42.Cool fan |
| 3.Rectification regulator | 23.Indicator light | 43.Emergency indicator |
| 4.Magnetor | 24.Start relay assy | 44.Emergency switch |
| 5.Horn | 25.Oil temperature indicator | 45.Turn left light |
| 6.Spark plug | 26.Cutting off relay | 46.Turn left indicator |
| 7.Ignition coils | 27.Urgency signal controller | 47.Turn right indicator |
| 8.Cutting off controller | 28.Turning light switch | 48.Turn right light |
| 9.Start switch | 29.Reserve sound indicator | W-White |
| 10.Over current switch | 30.Speed transmission | B-Black |
| 11.Outer electric socket | 31.Fan controler | R-Red |
| 12.neutral light | 32.Reserve switch | E-Blue |
| 13.Rear brake switch | 33.1st gear | G-Green |
| 14.Front brake switch | 34.2nd gear | N-Brown |
| 15.High & low beam switch | 35.3rd gear | Y-Yellow |
| 16.Light switch | 36.4th gear | U-purple |
| 17.Horn button | 37.5th gear | P-Pink |
| 18.Neutral switch | 38.Gear indicator and gear switch | SE-sky blue |
| 19.Tail light assy | 39.Battery | DG-Deep green |
| 20.Meter | 40.Start engine | Gr-Grey |

- | | | |
|---------------------------|-----------------------------------|---------------------------------|
| 1.Main switch | 22.High beam indicator | 43.Oil temperature transmission |
| 2.Four ways fuse | 23.Indicator light | 44.Cool fan |
| 3.Rectification regulator | 24.Start relay assy | 45.Emergency indicator |
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| 7.Ignition coils | 28.Turning light switch | 49.Turn right indicator |
| 8.Cutting off controller | 29.Reserve sound indicator | 50.Turn right light |
| 9.Start switch | 30.Speed transmission | W-White |
| 10.Over current switch | 31.Fan controler | B-Black |
| 11.Outer electric socket | 32.Reserve switch | R-Red |
| 12.neutral light | 33.1st gear | E-Blue |
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| 18.Neutral switch | 39.Battery | SE-sky blue |
| 19.Tail light assy | 40.Start engine | DG-Deep green |
| 20.Meter | 41.Electric contral ECU | Gr-Grey |
| 21.Front lights assy | 42.Electric contral switch | |

Emission-related Maintenance Information

Part A Critical Emission-related Maintenance

Part B Non-Critical Emission-related Maintenance

Part A Critical Emission-related Maintenance

■ Critical Emission-related Maintenance includes adjustment, cleaning, repair, or replacement of emission-related components.

■ Maintenance within the minimum useful life period is not allowed for the following critical emission-related components:

Catalyst

Pulse-air valve

EECS

Part B Non-Critical Emission-related Maintenance

The maintenance schedule may recommend any amount of non-critical emission-related maintenance as long the owner's manual indicates that these steps are not necessary to keep the emission warranty valid.

Owner's failure to do this maintenance does not disqualify a vehicle from warranty coverage.

ITEM	ROUTINE	INITIAL			EVERY	
		1month	3month	6month	6month	1year
Valve	Check valve clearance. Adjust if necessary	△		△	△	
Spark plug	Check condition. Adjust gap and clean. Replace if necessary.	△	△	△	△	
Air filter	Clean. Replace if necessary.	Every 20–40 hours (more often in wet or dusty areas)				
Carburetor	Check idle speed/starter operation. Adjust if necessary.		△	△	△	
Cylinder head breather system	Check breather hose for cracks or damage. Replace if necessary.			△	△	
Exhaust system	Check for leakage. Retighten if necessary. Replace gasket if necessary.			△	△	
Spark arrester	Clean.			△	△	
Fuel line	Check fuel hose for cracks or damage. Replace if necessary.			△	△	
Engine oil	Replace(Warm engine before draining).	△		△	△	
Engine oil filter	Clean	△		△		△

(EPA)Attachment A

ITEM	ROUTINE	INITIAL			EVERY	
		1month	3month	6month	6month	1year
Engine oil strainer	Clean	△		△		△
Final gear oil	Check oil level/oil leakage. Replace.	△				△
Brake	Check operation. Adjust if necessary.	△	△	△	△	
Clutch	Check operation. Adjust if necessary.	△		△	△	
Wheels	Check balance/damage/run out. Replace if necessary.	△		△	△	
Wheels bearings	Check balance/damage/run out. Replace if necessary.	△		△	△	△
Front and rear suspension*	Check operation. Correct if necessary.			△		
Steering system	Check operation. Correct if necessary. Check toe-in. Adjust if necessary.	△	△	△	△	
Steering shaft	Lubricate every 6 months.(use Li grease)			△	△	
Fittings and Fasteners*	Check all chassis fittings and fasteners. Correct it necessary.	△	△	△	△	

*It is recommended that these items be service by a Jianshe dealer.

WARRANTY

LIMITED WARRANTY

JIANSHE gives a LIMITED WARRANTY of 12 MONTH or 6000km, whichever comes first, on all Non-emission –related components of the JIANSHE All Terrain Vehicle (ATV) against defects in material or workmanship. This warranty covers the parts and labor charges for repair or replacement of defective parts which are covered by this warranty. This warranty begins on the date of purchase. This warranty is transferrable to another consumer during the warranty period through a JIANSHE dealer.

WARRANTY COVERAGE AND EXCLUSIONS: LIMITATIONS OF WARRANTIES AND REMEDIES

The JIANSHE limited warranty excludes any failures that are not caused by a defect in material or workmanship. This warranty does not cover accidental damage, normal wear and tear, abuse or improper handling. This warranty also does not cover any ATV that has been altered structurally, modified, neglected, improperly maintained, used for racing, or used for purposes other than for which it was manufactured, or for any damages which occur during trailer transit or as a result of unauthorized service or the use of unauthorized parts. In addition, this warranty does not cover physical damage to paint or finish, stress cracks, tearing or puncturing of upholstery material, corrosion, or defects in parts, components or the ATV

(EPA) Attachment B



due to fire, explosions or any other cause beyond JIANSHE' control.

This warranty does not cover the use of unauthorized lubricants, chemicals, or fuels that are not compatible with the ATV.

U.S.A. EPA Emissions Limited Warranty

This All Terrain Vehicle (ATV) or Off Road Utility Vehicle (ORUV) emissions limited warranty is in addition to the JIANSHE standard limited warranty for this vehicle.

JIANSHE warrants that this vehicle is; (1) designed, built, and equipped to conform at the time of initial sale with the requirements of 40 CFR 1051 and, (2) free from defects in materials and workmanship that may keep it from meeting these requirements.

The emissions warranty period for this vehicle begins on the date the vehicle is delivered to the original retail purchaser and ends 30 months (2.5 years) after that date, or after 5000 km (3100 miles), whichever comes first.

This emission -related warranty covers components whose failure would increase an engine's emissions, including PAIR (Pulsed Secondary Air Injection System), catalyst, or any other system utilized in this vehicle to control emissions. Replacing or repairing other components not covered by this emissions warranty or the standard warranty is the responsibility of the owner; including the parts, labor and other costs associated with recommended maintenance.

This limited warranty excludes failures not caused by a defect in material or workmanship. This limited warranty does not cover damage due to accidents, abuse or improper handling, maintenance or use. This limited warranty also does not cover any engine that has been structurally altered, or any engine that has been used in racing competition. This limited warranty also does not cover physical damage, corrosion or defects caused by fire, explosions or other similar causes beyond the control of JIANSHE.

If you have any questions regarding your warranty rights and responsibilities, you should contact your dealer or JIANSHE Warranty Department at 86-23-6848-3256.

If your ATV requires warranty service, please contact your dealer or JIANSHE Warranty Department at 86-23-6848-3256.

Emissions Warranty Parts List

Fuel Metering System:

Carburetor

Starting Enrichment Valve

Idle Air Control Valve

Intake Manifold

Fuel Filter

Throttle Body Vehicle

(EPA)Attachment B

IGNITION SYSTEM

Ignition Coils

Ignition Control Module

Spark Plug(covered to the first replacement only)

Spark Plug Cap

Spark plug Wires

Exhaust System

Catalytic converter

Exhaust Manifold

Exhaust Pipes(to the catalyst and between catalysts)

Crankcase Emission Control System

Air Cleaner(covered up to the first replacement only)

Air Cleaner Housing

Air Cleaner Housing Cover