

OPERATION MANUAL

JS400ATV-7 DUNE BUGGY



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FOREWORD

Thank you for purchasing our VEHICLE. We hope you will find plenty of enjoyment in riding it. Before you begin to operate the VEHICLE, please read through this owner's manual carefully as it contains important safety and maintenance information. Failure to follow the warnings contained in this manual can result in serious injuries or death.

Be sure to follow the recommended maintenance schedule and service your VEHICLE accordingly. Preventive maintenance is extremely important to the longevity of your VEHICLE.

Beginners should seek instructions from your dealer or qualified instructors before and during initial use of the VEHICLE. It is also recommended to practice in a large open area until you are familiar with operations of this VEHICLE.

We hope you will have a pleasant experience with our products and thanks again for choosing our JS400ATV-7.

A FEW WORDS ABOUT SAFETY

In order to keep everyone safe, you must take responsibility for the safe operation of your VEHICLE. To help you make informed decisions about safety, we have provided operating procedures and other information on labels and in this manual. This information alerts you of potential hazards that could hurt you or others.

It is not practical or possible to warn you about all hazards associated with operating or maintaining a VEHICLE. You must use your own good judgment. You will find important safety information in a variety of forms, including:

Safety Labels — On the VEHICLE

WARNING

CAUTION

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Safety Messages — Preceded by a safety alert symbol and one of two signal words: WARNING, or CAUTION.

Death or Serious Injury may result from failure to adhere to the instructions that are described within the WARNING labels.

Injury or Damage to the Vehicle may result from failure to adhere to the instructions that are described in the CAUTION labels.

Safety Headings — such as the Important Safety Reminders or Important Safety Precautions.

Safety Sections — such as VEHICLE Safety.

Instructions — how to use this VEHICLE correctly and safely.

This entire manual is filled with important safety information — please read it carefully.

IMPORTANT SAFETY INFORMATION

Your VEHICLE will provide you with many years of service and pleasure. Provided you take responsibility for your own safety and understand the challenges you can meet while driving

There is much that you can do to protect yourself while operating your VEHICLE. You'll find many helpful recommendations throughout this manual. The following are a few that we consider most important:

Follow the Age Recommendation

Adult Supervision should be present for all people under the age of 16. Always Wear a Helmet It's a proven fact: helmets significantly reduce the number and severity of head injuries. Always wear an approved motorcycle helmet. We also recommend that you wear eye protection, sturdy boots, gloves, and other protective gear.

Drive Off-Road Only

Your VEHICLE is designed and manufactured for off-road use only. The tires are not made for pavement, and the VEHICLE does not have turn signals and other features required for use on public roads. If you need to cross a paved or public road, get off and walk your VEHICLE across.

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Take Time to Learn & Practice

Even if you have driven other VEHICLE, take time to become familiar with how this VEHICLE works and handles. Practice in a safe area until you build your skills and get accustomed to this VEHICLE'S size and weight.

Because many accidents involve inexperienced or untrained drivers, we urge all drivers to take a training course approved by an appropriate Safety Institute. Check with your dealer for more information on training courses.

Be Alert for Off-Road Hazards

The terrain can present a variety of challenges when you drive off-road. Continually "read" the terrain for unexpected turns, drop-offs, rocks, ruts, and other hazards. Always keep your speed low enough to allow time to see and react to hazards.

Drive within Your Limits

Pushing limits is another major cause of VEHICLE accidents. Never drive beyond your personal abilities or faster than conditions

warrant. Remember that alcohol, drugs, fatigue, and inattention can significantly reduce your ability to make good judgments and drive safely.

Don't Drink and Drive

Alcohol and driving don't mix. Even one drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink. So don't drink and drive, and don't let your friends drink and drive either.

Do not operate this VEHICLE at night

Nighttime conditions greatly reduce a driver's visibility and judgment. So driving at night is dangerous and can increase the possibility for an accident.

Never Run Your VEHICLE Indoors

The exhaust from the engine contains a tasteless, odorless and poisonous gas called carbon monoxide.

Keep away from Moving Parts of the VEHICLE

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WARNING

Operating this VEHICLE on public streets, roads or highways could cause a collision with another vehicle. Never operate this VEHICLE on any public streets, roads or highways, it is meant for off-road dirt, gravel or pavement.

Keep Hands and Feet on Controls

When driving your VEHICLE. Always keep both hands on the steering wheel and both feet on the foot controls. It is important to maintain your balance and to control the VEHICLE. Removing hands or feet away from the controls can reduce your ability to react and control the VEHICLE.

WARNING

Removing hands from the steering wheel or feet from foot controls during operation can reduce your ability to control the VEHICLE or could cause you to lose your balance and fall off the VEHICLE. Always keep both hands on the steering wheel and both feet on the foot controls of your kart during operation.

Control Speed

Driving at excessive speed increases the chance of an accident. In choosing a proper speed, you need to consider the capability of your VEHICLE, the terrain, visibility and other operating conditions, plus your own skills and experience.

WARNING

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

Always drive at a speed that is proper for your VEHICLE, the terrain, visibility, other operating conditions, and your experience.

Use Care on Unfamiliar or Rough Terrain

Before driving in a new area, always check the terrain thoroughly. Don't drive fast on unfamiliar terrain or when visibility is limited. (It's sometimes difficult to see obstructions like hidden rocks, bumps, or holes in time to react.)

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WARNING

Failure to use extra care when Operating this VEHICLE on unfamiliar terrain could result in the VEHICLE overturning or going out of control.

Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the VEHICLE.

Never drive past the limit of visibility

Maintain a safe distance between your VEHICLE and other off-road vehicles. Always exercise caution and use extra care on rough, slippery and loose terrain.

WARNING

Failure to use extra care when Operating this VEHICLE on excessively rough, slippery or loose terrain could cause loss of traction or vehicle control, which could result in an accident, including an overturn.

WARNING

Do not operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the VEHICLE on such terrain. Always be especially cautious on these kinds of terrain.

Do Not Perform Stunts

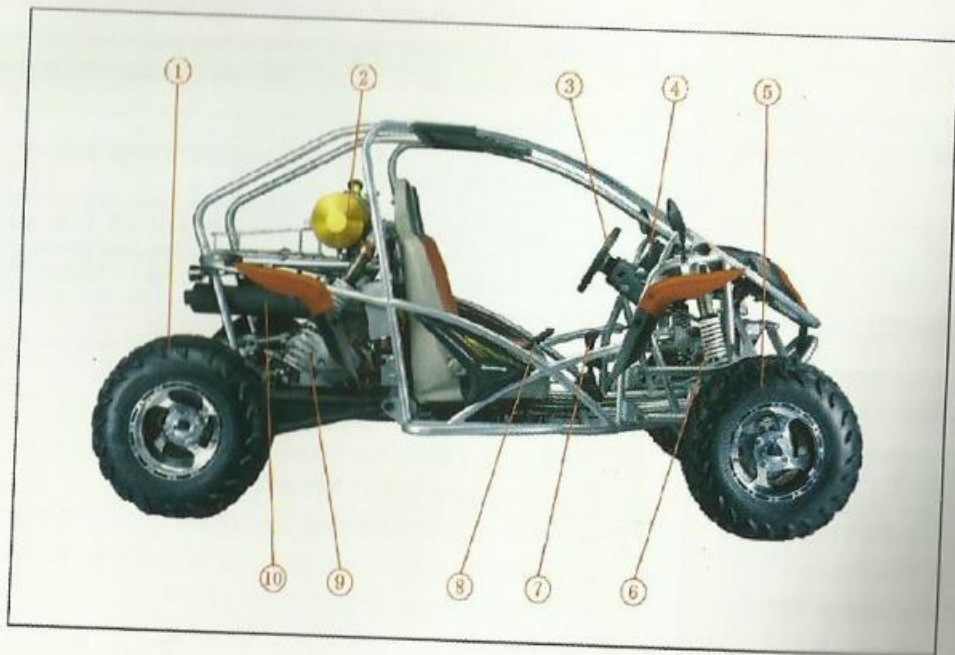
You should always operate your VEHICLE in a safe and reasonable manner. When driving, always keep all four wheels on the ground.

WARNING

Attempting wheelies, jumps, and other stunts increase the chance of an accident, including an overturn.

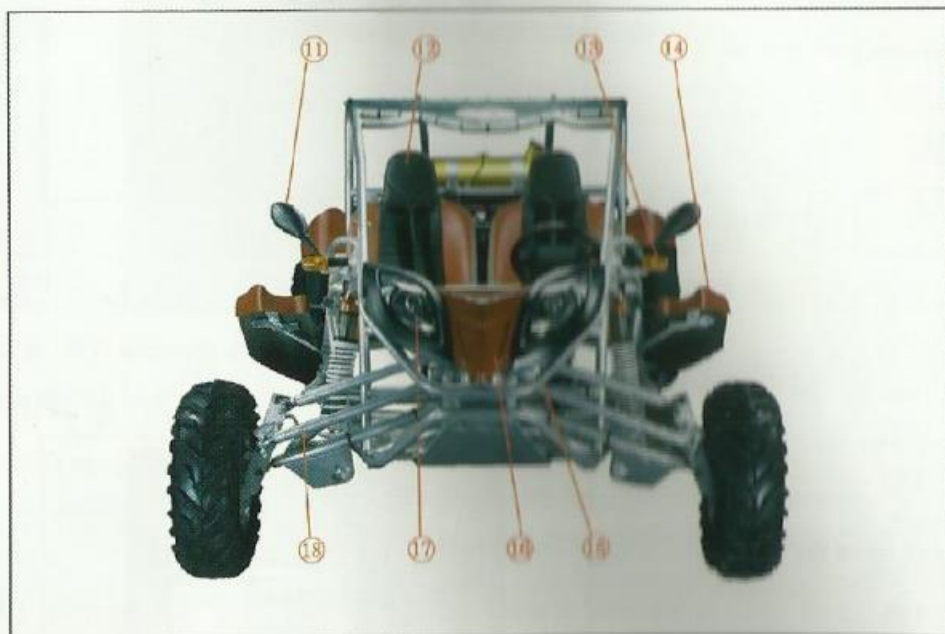
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DESCRIPTION AND MACHINE IDENTIFICATION



- ① Rear wheel
- ② Fuel tank
- ③ Steering wheel
- ④ Meter assy
- ⑤ Front wheel
- ⑥ Front shock absorber
- ⑦ Shift gear lever
- ⑧ Stop vehicle lever
- ⑨ Rear shock absorber
- ⑩ Exhaust silencer

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- ⑪ Rear view mirror
- ⑫ Cushion
- ⑬ Turn light
- ⑭ Front fender
- ⑮ Front bumper
- ⑯ Front panel
- ⑰ Headlight
- ⑱ Steering rod

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Identification Numbers Record

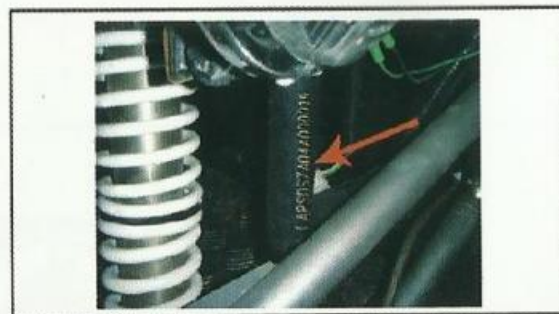
When ordering spare parts from a Jianshe dealer or for reference in case the vehicle is stolen. Record the vehicle identification number and model label information in the spaces provided for assistance.

1. VEHICLE IDENTIFICATION NUMBER:

2. MODEL LABEL INFORMATION:

Vehicle Identification Number

The vehicle identification number is stamped on on the frame (Refer to the FIG).



Model Label

The model label is riveted to the frame (refer to the FIG). Record the information on this label in the space provided. This information will be needed to order spare parts from your jianshe dealer.



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Main Switch

Function of the respective switch positions are as follows:



① Main switch

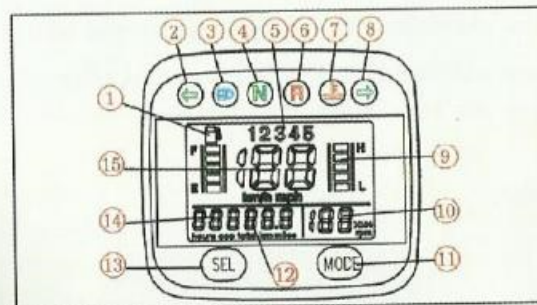
ON:

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

OFF:

All electrical circuit are switches off. The key can be removed in this position.

Digital Meter

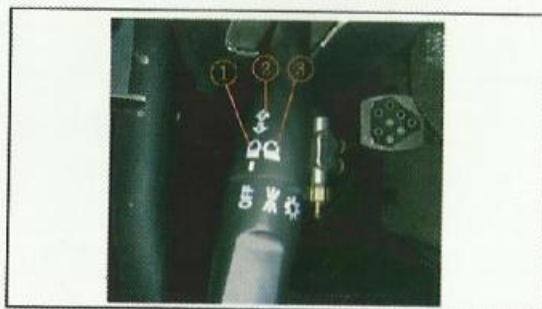


- ① Fuel lever display
- ② Left turn indicator
- ③ High beam indicator
- ④ Neutral indicator
- ⑤ Shift gear display
- ⑥ Reverse gear display
- ⑦ Cooler fan running indicator
- ⑧ Right turn indicator
- ⑨ Oil temperature indicator
- ⑩ Tachometer

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- ⑪ Metric-imperial change button
- ⑫ Total Km / miles
- ⑬ Set
- ⑭ Time
- ⑮ Speedometer

Switch Assy



- ① High beam switch. Switch in the position headlight is for high beam.
- ② Turn light switch The center position is OFF. Turn to '→' for front position flasher and to '←' for rear position flasher.
- ③ Low beam switch. Switch in the position headlight is for low beam.

ARE YOU READY TO DRIVE?

Before each drive, you need to make sure you and your VEHICLE are both ready to drive. To help get you prepared, this section discusses how to evaluate your driving readiness, what items you should check on your VEHICLE, and adjustments to make for your comfort, convenience, or safety.

Before you drive your VEHICLE for the first time, we urge you to:

- Read this owner's manual and the labels on your VEHICLE carefully.
- Make sure you understand all the safety messages.
- Know how to operate all the controls.
- Have adult present if under 16 years old.

Before each drive, be sure:

- You wear your seat belt at all times while driving your VEHICLE.
- You feel well and are in good physical and mental condition.

- You are wearing an approved motorcycle type helmet (with chin strap tightened securely), eye protection, and other protective clothing.

- You don't have any alcohol or drugs in your system.

Protective Apparel

For your safety, we strongly recommend that you always wear helmet, eye protection, boots, gloves, long pants, and long-sleeved shirt or jacket whenever you drive. Although complete protection is not possible, wearing proper gear can reduce the chance of injury when you drive.

The following suggestions will help you choose the proper driving gear.

Helmets and Eye Protection

Your helmet is the most important piece of driving gear of you because it offers the best protection against head injuries. A helmet should fit your head comfortably and securely.

An open-face helmet offers some protection, but a full-face helmet offers more. Regardless of the style, Always wear a face shield or goggles to protect your eyes and help your vision.

WARNING

Operating this VEHICLE without wearing an approved motorcycle helmet, eye protection and protective clothing could increase your chances of head and/or eye injury, and the possibility of death in a severe accident.

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

Additional Driving Gear

In addition to a helmet and eye protection, we also recommend:

- Sturdy off-road motorcycle boots to help protect your feet, ankles, and lower legs.
- Off-road motorcycle gloves to help protect your hands.
- Driving pants with knee and hip pads, a driving jersey with padded elbows, and a chest/shoulder protector.

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Driving Training

Developing your driving skills is an on-going process. Even if you have driven other VEHICLE, before take time to become familiar with how this VEHICLE works and handles. Practice driving the VEHICLE in a safe area to build your skills. Do not drive in rough terrain until you get accustomed to the VEHICLE'S controls, and feel comfortable with its size and weight.

WARNING

Operating this VEHICLE without your seat belt could cause you to be thrown from the VEHICLE causing serious injury or death.

Age Recommendation

It is strongly recommended that no one under the age of 16 be permitted to operate this VEHICLE without adult supervision.

WARNING

A child under 16 should have adult supervision while operating the VEHICLE.

No Alcohol or Drugs

Alcohol and/or drugs and VEHICLE 8 don't mix. Even a small amount of alcohol can impair your ability to operate a VEHICLE safely. Likewise, drugs-even if prescribed by a physician can be dangerous while operating a VEHICLE. Consult your doctor to be sure it is safe to operate a vehicle after taking medication.

WARNING

Operating this VEHICLE after consuming alcohol or drugs can seriously affect your judgment, can cause you to react more slowly, affect your balance and perception, and could result in serious injury or death. Never consume alcohol or drugs before or while operating this VEHICLE.

Before each drive, it is important to inspect your VEHICLE and make sure any problems you find are corrected. A pre-drive inspection is a must, not only for safety, but because having a breakdown, or even a flat tire, can be a major inconvenience.

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If your VEHICLE has overturned or has been involved in a collision, do not drive it until your VEHICLE has been inspected by your dealer. There may be damages or other problems you cannot see.

WARNING

Improperly maintaining this Kart or failing to correct a problem before driving can cause a crash in which you can be seriously hurt or killed.

Always perform a pre-drive inspection before every drive and correct any problems.

Pre-drive Inspection

Check the following items before you get on the VEHICLE:

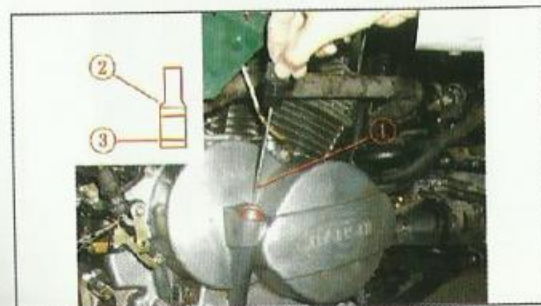
Engine Oil

Check the level and add oil if needed. Check for leaks.

1. Engine oil level measurement.

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 checking the oil level.



① Dipstick ② Maximum level mark ③ Minimum level mark

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

b. Remove the dipstick and inspect the oil level.

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

2. Fuel

Check the level and add fuel if needed. Also make sure the fuel fill cap is securely fastened. Check for leaks.

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① Fuel tank cap ② Fuel 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. 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.

Fuel

Make sure there is sufficient gasoline in the tank.

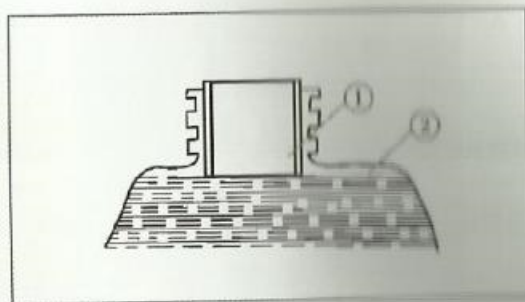
Recommended fuel: unleaded fuel

Fuel tank capacity: Total: 24L

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.

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① Filler tube ② Fuel level

Tires

Use a gauge to check the air pressure. Adjust if needed. Also look for signs of damages or excessive wear.

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.



① Inductive tachometer

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:

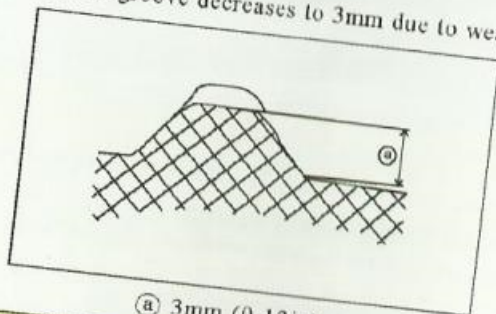
1. Low-pressure tire gauge:

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

Tire wear limit

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



① 3mm (0-12in)

CAUTION

- Never operate Vehicle 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 Jianshe dealer.

Starting An Engine Dealer

WARNING

Never ride the in cold weather, always make sure all control cables work smoothly before you begin ridding 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 "ON" position.
4. Shift the transmission into neutral.
5. Use the starter (choke) in reference to the figure.

WARNING

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

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① Choke cable lever

CAUTION

- If the engine fails to start, turn the key counter-clockwise 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.

Nuts & Bolts

Check the wheels to see that the axle nuts are tight. Use a wrench to make sure all accessible nuts, bolts, and fasteners are tight.

Underbody & Exhaust System

Check for and remove any dirt, vegetation or other debris that could be a fire hazard or interfere with the proper operation of the VEHICLE.

Air Cleaner Housing Drain Tube

Check for deposits in the drain tube. If necessary, clean the tube and check the air cleaner housing.



① Check hose

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Leaks, Loose Parts

Walk around your VEHICLE and look for anything that appears unusual, such as a leak or loose cable.

Lights

Make sure the headlight, brake light and taillight are working properly.

Throttle

Check the free play and adjust if needed. Press the throttle to make make sure it moves smoothly without sticking, and snaps back automatically when it is released.



① Throttle pedal

Brakes

Press the brake pedal several times, check for proper brake pedal free play. Make sure there is no brake fluid leakage.



① Brake pedal

Steering Wheel

Check that the wheels turn properly as you turn the steering wheel.



① Steering wheel

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Cable

Check all cable housings for wear. Check the fittings for looseness. Replace or tighten as needed.

Seat Belts

Check your seat belts make sure that the locking latch works and that you can adjust them.



① Seat belt

SPECIFICATIONS

Dimension (mm)—2765 × 1800 × 1500

Front wheel base — 1650 mm

Rear wheel base — 1500 mm

Axle distance — 2605mm

Total Weight (kg)— 450kg

Max speed (km/h)— 80km/h

Front suspension — Independent suspension system, front cross arm

Rear suspension — Independent suspension system, rear cross arm

Number of Seats — 2

Specification of front type and wheel rim — 25 × 8-12/12 × 6

Specification of Rear type and wheel rim — 25 × 10-12/12 × 8

Brake type — Hydraulic Disc all around

Ground clearance — 330mm

Capability of fuel tank — 24L

DRIVE TRAIN — Shaft drive, 2WD

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Engine

Engine Type — 1-cylinder, 4-stroke, air cooled with oil cooler

Cylinder diameter — 83mm

Piston stroke — 71.6mm

Displacement — 387.4cc

Ignition — DC-CDI

Gear shift — 5 speeds with reverse gear selector with no clutch pedal

Starting — Electric start / hand pull start

Main clutch — automatic clutch

Auxiliary clutch — clumpy drive clutch

Standard power — 16KW(6000r/min — 7000r/min)

Max Power — 17KW (6000r/min — 7000r/min)

Max Torque — 26N.M (5500r/min — 6500r/min)

Idle rpm — 1500rpm

Compression ratio — 8.7:1

Transmission ratios — primary 3.167, first gear 3.333, second gear 1.889, third gear 1.364, fourth gear 0.962, fifth gear 0.704.

Fuel type — Unleaded 90-Petrol GB17930

Oil type —

SE15W/30 — (-25°C ~ 0°C)

SE10W/30 — (-10°C ~ 35°C)

SE15W/40 — (-15°C ~ 40°C)

PRE-DRIVE INSPECTION

WARNING

Perform this pre-drive inspection everyday before driving vehicle. If not performed, serious damage to the vehicle or personal injury may result.

- Check for Engine Oil Level. Check for leaks, add oil if required.
- Check for Fuel Level. Add fuel as necessary and do not overfill.
- Check for leaks.
- Check for Brakes. Depress the rear brake pedal several times, and then check for proper brake pedal free play. Make sure there is no brake fluid leakage. Adjust if necessary.

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. Check Tires. Check tires condition and pressure. The pressure on both Front and Rear tire is 25 and 28 Kpa respectively.

. Check Throttle. Check for smooth operation. Assure throttle springs back to idle.

. Check all Nuts, Bolts, and fasteners. Check wheels to see that all axle nuts and lug nuts are tightened properly. Check and tighten as necessary all other fasteners to specified condition.

. Check Roll cage bar, Ensure all protective roll cage bars are in fastened and in place before operating the VEHICLE.

. Check Brake Light for proper operation.

. Check Steering. Check for free operation for any unusual looseness in any area.

. Check seats belts, Always make sure your seat belts are fastened and that the latch is working.

CAUTION

Always follow rules for safe operation and wear a helmet.

OPERATION

Operation controls

WARNING

Do not attempt to start or operate the engine until completely familiar with the location and use of each control necessary to operate this vehicle. The operator must know how to stop this machine before starting and driving it.

Throttle

The right foot pedal controls the VEHICLE speed. As the engine speed increased above idle, the clutch automatically engages and moves the vehicle forward. To disengage the clutch at any time, allow the throttle to return to the idle position.

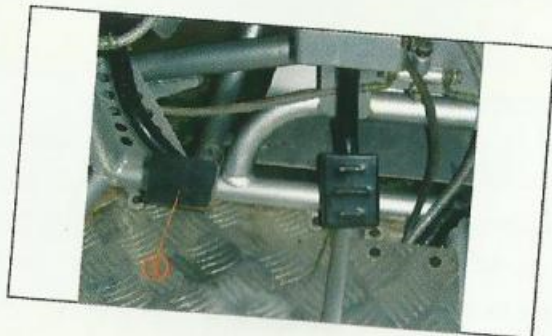
WARNING

Each time prior to starting the engine, check the throttle assembly to ensure that when the pedal is pushed all the way forward the assembly is working smoothly and returns to idle when released. Do not operate if pedal or engines throttle linkage fail to return to idle. If unable to correct the problem through lubrication, adjustment or replacement of worn parts, contact your dealer for assistance.

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Brake

The brake pedal is located on the left side of the VEHICLE throttle pedal. Applying pressure to the pedal draws the brake calipers around the brake discs at the wheels and slows or stops the VEHICLE.



① Brake pedal

Fuel



OFF:

Cuts off flow. Always turn to this position when not running.

ON:

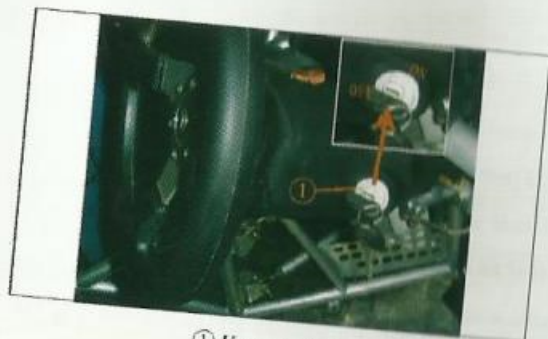
Allows fuel flow. Normal riding is down in this position.

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.

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Engine Start



① Key switch



① Choke cable lever

Insert the key into key-switch, turn the key clockwise, and release the key when the engine starts. The engine will warm up within 5 minutes and the engine choke cable lever close and operate at the normal RPM.

WARNING

Don not crank starter more than 10 seconds at one time.

Passengers

The vehicle allows for two riders only. Combined maximum weight of driver and the passenger should not exceed 180kg.

Loading

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

You must use common sense and good judgment when carrying cargo or towing a trailer, keep the following points in mind:

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Maximum loading limit

- Vehicle loading limit (total weight of cargo, rider and accessories): 210kg
- Front luggage carrier: 10kg
- Rear luggage carrier: 20kg
- Tool kit: 2kg

- Do not exceed the maximum pulling weight.
- Ride more slowly than you would with a load. The vehicle.

High speed and sharp turns should be avoided.

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



Seat Adjustment

The seat must always be securely fastened in the position which best allows the driver to have control of the foot pedals, steering wheel, and the shift lever.

To adjust the seat:

Pull seat adjustment handle upward to disengage seat slide. Move seat to desired position. Be sure seat adjustment handle snaps back into place and that seat is locked into position.

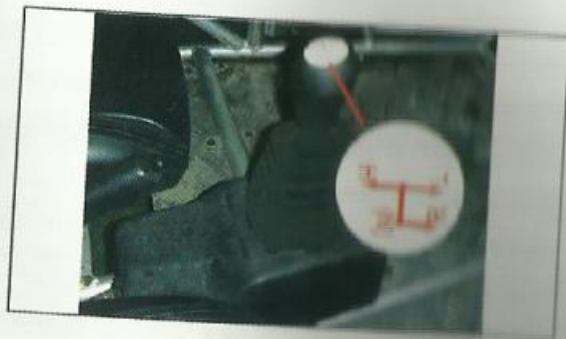
WARNING

Never operate this VEHICLE when the provided seat is not securely fastened, to do so could result in a strong possibility of severe personal injury or loss of life. Before attempting to adjust the seat, ensure the VEHICLE engine is stopped.

Shifting gears

This machine is equipped with a constant mesh 5-speed forward and 1 speed reverse transmission with a centrifugal automatic clutch.

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Forward Gear

To start out and accelerate release the throttle pedal.
Shift into first gear by pushing forward on the shift lever.

Open the throttle gradually.

Once adequate speed is reached, release throttle pedal and shift forward again into second gear.

Open the throttle gradually again.

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

(See the Fig 'H' direction)

When slowing down or stopping, release the throttle and apply brakes smoothly. As you slow down, shift to a lower gear by

pulling back on the shift lever. Be sure engine has sufficiently slowed before engaging into a lower gear. Improper use of shifting or brakes can cause loss of traction and increase the possibility of an accident.

(See the Fig 'L' direction)

To engage reverse gear. When slowing down or stopping, release the throttle and apply brakes smoothly. As you slow down, to engage neutral or first gear, push the shift lever to the reverse position (See the Fig R direction).

ALWAYS STOP THE VEHICLE WHEN GOING FROM FORWARD TO REVERSE GEAR. A WARNING.

Steering

The turning radius of this VEHICLE is small and agile, so the centrifugal force is very high when turning at high speed. Slow down to a more controllable speed when turning to prevent the VEHICLE from rolling over.

To prevent vehicle from rolling over, be sure to only turn the vehicle at a controllable speed.

SERVICE INSTRUCTIONS

Engine Lubrication

You must change the oil in the crankcase after the first 5 hours of operating of your new engine and after 10 hours of use thereafter. That will insure proper lubrication of internal parts and prevent costly repairs due to excessive wear.

WARNING

Used Oil Must Be disposed of at a proper collection Center.

Oil Change

1. Warm up the engine for several minutes, and then turn off.
2. Face the VEHICLE on a slightly inclined surface if possible.

This will allow faster drainage of used oil.

3. Place a container under the engine to collect used oil.
4. Remove the drain plug located on the underside of engine block.
5. Allow used oil to drain out, and then replace the drain plug.

6. Slowly fill with 4 quarts SAE 10W40 new oil and briefly cycle the engine around 2 minutes to refill the oil cooler and hoses. Note the oil level on dipstick and add more oil if necessary.

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.

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Spark plug inspection

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

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: 17.5N.m(1.75m.kg)

Air filter cleaning

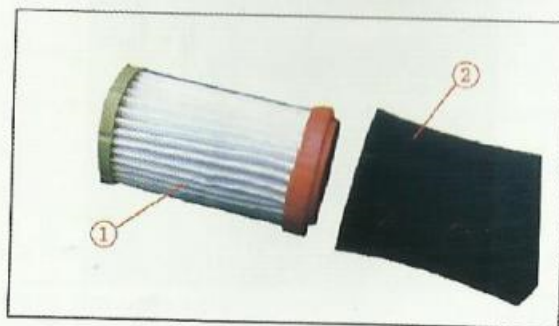
There is a check hose at the bottom of the air filter case. If there are dust or water collects in the hose, empty the hose and clean the air filter element and air filter case.



① Check hose

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1. Remove the air filter cover.



① Air filter element ② Foam cover

2. Remove the air filter element.

3. Remove the foam cover from the air filter element.

4. 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.

5. Wash the foam cover gently thoroughly in water or solvent.

6. Squeeze the excess water or solvent out of the foam cover and let it dry. Do not twist the foam cover when squeezing it.

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

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

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

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 engine and cause overheating of engine.

Carburetor adjustment

Never make unnecessary adjustments. The factory recommended settings are correct for most applications.

Idle speed adjustment

You will need a diagnostic tachometer for this procedure.

1. Warm up the engine (5~10min)
2. Connect the tachometer to the spark plug lead.



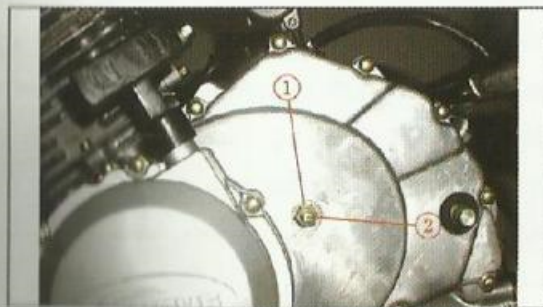
3. Adjust the throttle to limit the idle speed. The standard value is (1500RPM).

4. Turn the airscrew counter clockwise slowly to lower the RPM of the engine.

5. Adjust the screw and adjust the idle speed to an ideal value.
6. Recheck and readjust the idle speed if necessary.

Clutch adjustment

1. Loosen the lock nut.
2. Slowly rotate the adjusting bolt counterclockwise until resistance is felt. Then, rotate it by 1/8 turn clockwise, i.e. 45°C
3. Tighten the lock nut to specified value. Tightening torque: 15N · m(1.5m.kg)



① Lock nut ② Adjusting blot

CAUTION

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

CAUTION

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

Cleaning and storage

Cleaning

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

1. Before cleaning the VEHICLE:

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.

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

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

6. Clean the seat with vinyl upholstery 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.

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Storage

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

VEHICLE Lubrication

Lubricate vehicle every 90 days of use. Lubrication should be done sooner, if VEHICLE is used everyday. Include suspension and steering joints.

Adjustment of Front and Rear Shock

The default position is in the middle set by the manufacturer.

Use a spanner wrench to adjust the shock. The tension of shock spring will increase as you screw to left, decrease as you screw to right. Adjust according to the weight of the riders.

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PERIODICAL CHECK AND SERVICES

The maintenance intervals in the following table as based upon average driving conditions. Driving in unusually dusty areas, require more frequent servicing.

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 month
Valves	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.		○	○	○	
Cylinderhead 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.	○		○		○

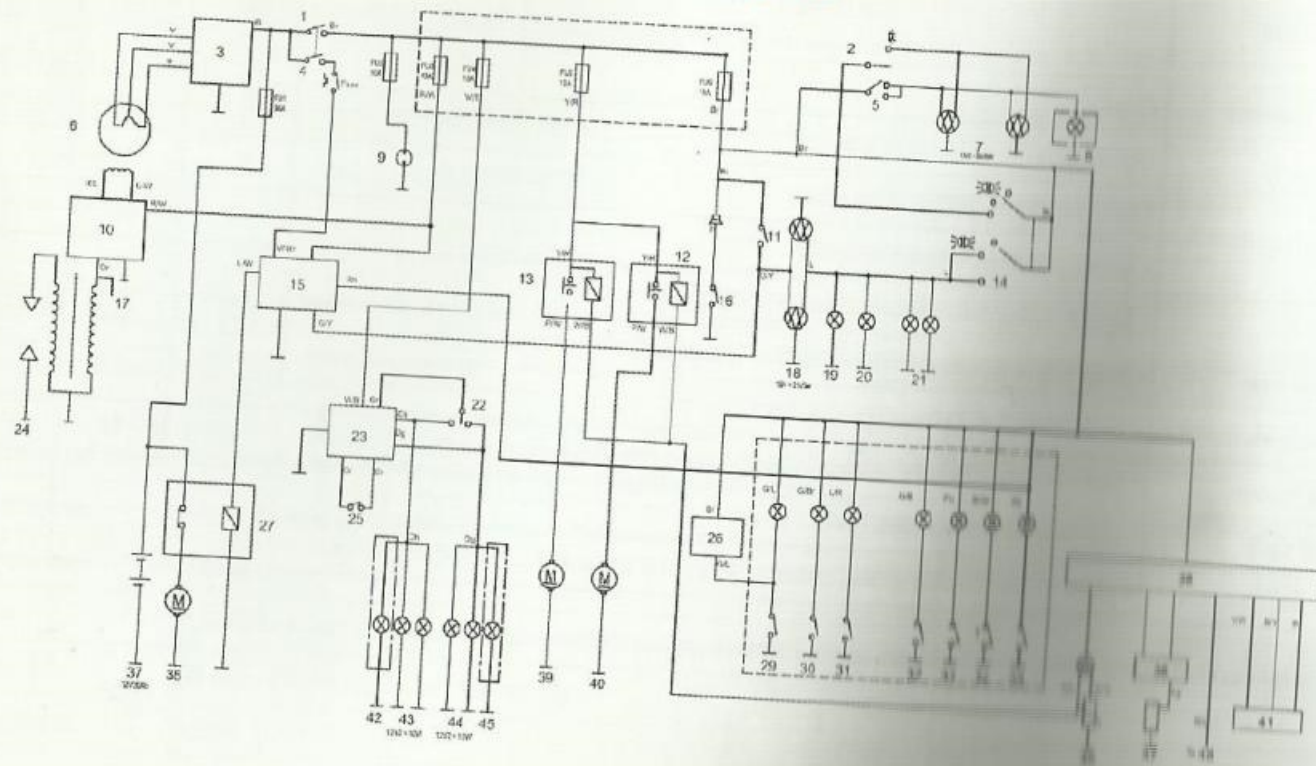
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ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 month
Engine oil strainer	Clean.					
Final gear oil	Check oil level/oil leakage. Replace.	○		○		○
Brake	Check operation. Adjust if necessary.	○				○
Clutch	Check operation. Adjust if necessary.	○	○	○	○	
Wheels	Check balance/damage/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 tie-in. Adjust if necessary.			○		
Steering shaft	Lubricate every 6 months. (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 Jiansha dealer.

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WIRING DIAGRAM



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1. Main switch
2. High and low beam switch
3. Rectifier regulator
4. Starter switch
5. Overtake light switch
6. Magneto
7. Headlight assy 12V2 × 35/35W
8. High beam indicator light
9. External power source socket
10. CDI
11. Brake switch
12. Cut off relay
13. Cut off relay
14. Lighting switch
15. Cut off controller
16. Horn switch

17. Tachometer sensor
18. Tail light 12V × 21/5W
19. Meter indicator
20. License light
21. Front head light
22. Flasher switch
23. Emergency controller
24. lug
25. Emergency switch
26. Reverse verbal indicator
27. Start motor assy
28. Meter
29. Reverse gear
30. 5TH gear
31. 4TH gear
32. 3RD gear

33. 2ND gear
34. 1ST gear
35. Neutral
36. Oil lever display
37. Battery 12V20Ah
38. Start motor
39. Oil cooler fan
40. Cooler fan of engine
41. Speedometer sensor
42. Left turn light indicator
43. Left turn lamp
44. Right turn lamp
45. Right turn light indicator
46. Oil temperature sensor
47. Fuel sensor
48. Tachometer sensor