



**DB002  
50cc Off Road  
Dirt Bike  
User Manual**



Digital User Manual

[www.frptoys.com](http://www.frptoys.com)  
[csr@frptoys.com](mailto:csr@frptoys.com)  
833-970-3777 (Toll Free)  
M-F 8am-5pm PST



## SAFE FOR USE (CAUTION PLEASE!!!)

△ This mark notifies a very important item for safety. Be sure to observe the notice.

1. Engine oil :Gasoline(25:1)areTmix on the oil tank.More than 90 gasoline or gasoline with 10% ethanol are applicable on this vehicle. Engine oil please use 2-stroke oil(JASO FC).When you supply engine oil and gasoline to vehicle,please turn off the engine to avoid fire of explosion danger.
2. Do not use 4 cycle engine oil.(otherwise,it cause the plug to be degraded ,the piston ring to seize or the muffler to be clogged.)

### PROHIBITED ITEMS

△ Do not allow anyone who does not understand this instruction manual to operate the bike.

△ Racing should use mixture of the unleaded gasoline and the two cycle engine oil. The volume ratio is 25:1.Do not use any degraded fuel (which smells sour) or fuel of wrong mixture ratio. It will cause a poor start, insufficient output or damage the engine.

△Do not use 4cycle engine oil.(otherwise, it cause the plug to be degraded, the piston ring to seize or the muffler to be clogged.)

△ Do not run the engine in a room or poorly ventilated area.( the exhaust gas includes odorless but hazardous carbon monoxide.)

△Do not put your hand or foot near any moving or rotating part of engine.

Δ Do not store, spill or use any gasoline near a fire, stove, oven, boiler or other instruments which uses a pilot light or spark. (Otherwise, it may cause an explosion.)

Δ Smoking is strictly prohibited while refilling the fuel.

Δ While the engine is running or while it remains hot soon after stopping, do not remove the lid of the fuel tank or refill the fuel. (Before or refilling the fuel, stop the engine and cool it down 2 minutes or more.)

Δ If any gasoline splat or smelled or any danger of explosion is felt, do not run the engine,)

Δ Do not stop the engine while choke lever is in the closed position.

Δ Do not aimlessly adjust the revolution speed setting of the engine.

Δ Do not check any spark while keeping the spark plug removed.

Δ Do not run the engine with the muffler or air cleaner cover removed.

Δ Do not touch any hot, muffler or engine part (Otherwise, it may cause a burn)

Δ When the engine runs, do not touch any spark plug cap or high tension cord. (Otherwise, it may cause an electric shock and harm your body.)

Δ Do not run any engine as a single unit. (Be sure to run with the racing)



Δ ALWAYS WEAR HELMET&SAFETY GEARS.

Δ ALWAYS CHECK THE BRAKE INSTRUMENTS BEFORE RIDING.

Δ DO NOT RIDE IN RAINNING, SNOWING DAY, SLIPPERY SURFACE,OR UNSTABLE DUE GRAVEL,SAND etc

Δ PREGNANT PERSONS SHOULD NOT USE THIS PRODUCT.

Δ NEVER USE ALCOHOL OR DRUGS BEFORE OR WHILE OPERATING

Δ DO NOT STOP STOP THE SCOOTER SUDDENLY(Run slowly 3-5minutes after start-up or before stopping.)

This bike is not intended for operation on pedestrian, street, highway and freeway.

Please check with your local department of motor vehicles for regulation in your country.

**Failure to follow these INSTRUCTIONS will  
VOID YOUR WARRANTY!**

**This PRODUCT IS NOT INTENDED FOR EXTREME**

**Use! Please take care of your motorcycle.**

**DO NOT JUMP or ABUSE THIS PRODUCT!**

**DO NOT RIDE IN WET/ICY CONDITIONS!**

Failure to follow these instructions properly or abusing your motorcycle will

**VOID YOUR WARRANTY!**



## IMPORTANT

PLEASE READ BEFORE USING THIS PRODUCT

**READ THIS FIRST!**

### **WARNING**

This product does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of this product. Operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

DO NOT operate this product in traffic, on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.

DO NOT use a water hose to clean this product. See Product Handbook for more information.

This product is recommended for riders 13 YEARS OF AGE and older.

### **SAFETY**

Persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities should not use this product.

Minors without adult supervision should not use this product.

Persons unwilling or unable to take responsibility for their own actions should not use this product.

The user of this product assumes ALL risks associated with its use. To minimize these RISKS, the user must wear appropriate safety gear such as helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

Never start the engine inside a closed room or building. Breathing exhaust fumes can be fatal.

## QUICK REFERENCE SAFETY GUIDE

### **Fuel Safety**

Mix and pour fuel outdoors away from sparks or flames.

Only use a container approved for fuel

Do not smoke or allow smoking near the motorcycle while working on the engine, or while the engine is running.

Wipe up and clean all fuel spills before starting the engine.

Move at least 10 feet away from where you fueled before starting engine.

Stop engine before removing the fuel cap.

It is recommended that you empty the fuel tank prior to shipping or storage to prevent fuel leaks.

Do not store your motorcycle near open flames, furnaces, electric motors or switches.

### **Maintenance**

Maintain your motorcycle as recommended in this Product Handbook.

Disconnect the spark plug cap before performing any engine maintenance, except for carburetor adjustments.

Keep others away while making carburetor adjustments.

Use only quality replacement parts as recommended by the manufacturer.

### **Transportation and Storage**

Carry your motorcycle by the handle bar tube with the engine off and the muffler away from your body.

Allow the engine to cool, empty the fuel tank and fold the motorcycle before carrying or storage.

It is recommended that you empty the fuel tank prior to shipping or storage to prevent fuel leaks.

Clean the motorcycle carefully and store in a cool, dry place.

### **Product Safety**

Keep hands and feet away from moving parts.

Inspect the entire product prior to each use. Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely fastened.

Replace all parts that are cracked, chipped or damaged before use.

Use only parts and accessories that are recommended by the manufacturer.

**If a situation arises that is not covered in the manual,  
proceed with caution and use good judgment.  
Contact your dealer if you need further assistance**

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# 01 Technical Specification

Engine type: 50cc 2-stroke/EPA Approved

Fuel: Unleaded petrol & 2 cycle engine oil mixing

Oil Mixing Ratio: 25:1

Start Mode: Hand Pull Start

Brake: Rear disk brake

Tire: front tire 4.10-6, rear tire 5.00-6, off-road tire

Max Traveling Noise: 80dB(A)

Max Load: 165.3 lbs(75kgs)

Net Weight: 47.4 lbs(21.5kgs)

Fuel Capacity: 0.32gal(1.5L)

Driving Method: T8F Chain

Packing: Carton

Steering Bar Angle: 45 °

LxWxH: 38"x22"x27"



# 02 Mini Parts Description

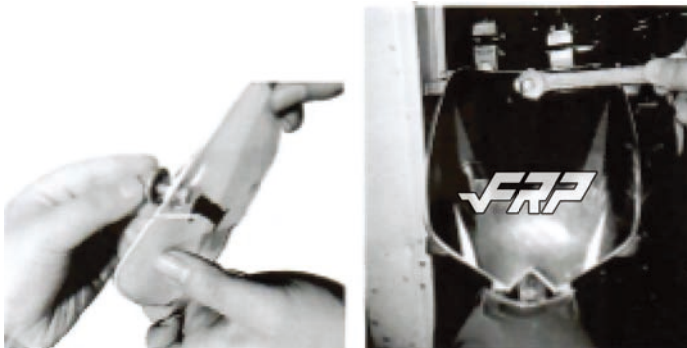


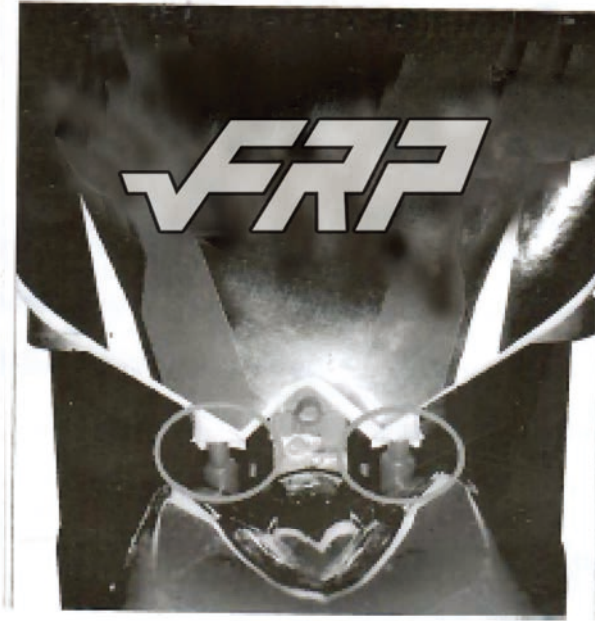
# 03 Fast Installation

1 Install fender.



2 Install plate, put a spacer ring first, then fix it. And insert fender to plate.





**3** Fix four screws on handlebar.



# 04 Preparation

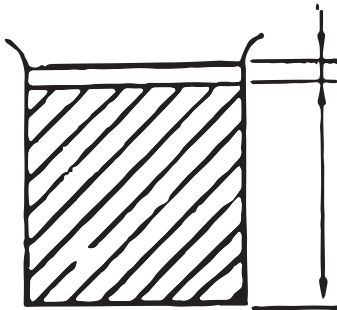
## Before Start-up

### 1. Inspect equipment

Check all bolts & nuts,brakes,engine etc.

### 2. Refuel

Use the mixture of the gasoline and the two-stroke engine oil. The volume ratio is 25:1. Use a clean and special fuel glass and grasp cap to shake in more than 30 seconds. Don't use mixture oil in more than 1 month.



1:25

FC two-stroke engine oil:90#gasoline

### 3. Check and clean the air filter

The air filter must be often cleaned, or the polluted air filter will lower the out put power of the engine. If the air filter is blocked by dust, use gasoline to clean the air filter, then dip in the oil, wring oil out and put the air filter back.

# 05 Operation and Running

The bike is packed in a cardboard carton. After unpacking. Verify the smooth and perfect function of the Bowden cable throttle and both brakes. Fill the fuel tank with fuel. (Gas-oil mix 25:1). Failure to use the proper oil mix ration will result in Engine damage or which you will be responsible. Keep a low speed when turning otherwise it can causes losing control.

The bike is unsuitable for public road use. It does not comply with valid safety standard. Unsafe and careless use of a bike can result in serious injuries. The driver can minimize the potential risks by wearing the safety equipment. The driver must wear safety helmet, goggles, gloves, elbow pads, knee pads and firm footwear. The bike can't be used on wet, icy or oily surfaces. Avoid uneven surfaces and obstacles, Drive with two hands on the handlebars.

# 06 Before Riding

1. Make sure that all of the exposed bolts and screws are tightened.
2. Raise the kickstand to its upright position.
3. Make sure the engine is running.
4. Put one foot on the deck of the motorcycle . While pushing off with the other foot, gently rotate the THROTTLE toward the rider, on the right side of the handlebars. The motorcycle will begin to move on its own power.
5. Control the speed by rotating the hand throttle either towards the rider or away.

# 07 Braking

1. To brake, release the hand throttle and depress the hand brake levers (on the left and right side of the handlebars).
2. Gradually decrease the engine speed to idle and turn off the kill switch on handlebar . This will turn the engine OFF.

# 08 Operating Procedures

## WARNING!

Always shut the engine off before refueling.

Slowly open the fuel tank, so that possible over-pressure disappears. Before fueling, clean the tank cap area carefully, to insure that no dirt falls into the tank. Make sure that the fuel is well mixed by shaking the container.

Tighten the fuel cap carefully, after fueling.

Always move the unit at least 10 feet from the fueling area before starting.

# 09 Carburetor Adjustment

## WARNING!

**Never start the engine without the complete clutch cover assembled! Otherwise the clutch can come loose and cause injuries.**

When the engine is tested at the factory, the Carburetor is basically adjusted. Further adjustment may be required from time to time, depending on climate and altitude.

## **WARNING!**

When the engine is idling, under no circumstance should your motorcycle be moving.

If the motorcycle continues to move after idle speed adjustment, contact service center.

# 10 Stopping

Stop throttle handle or pull down the switch in emergency. But in normal status, please operate as follows:

1. Reduce the gasoline engine to lowest speed and run 3-5 minutes.
2. Pull down the stop switch and stop the engine.

# 11 Braking System

The motorcycle uses disc/caliper braking system activated by a hand brake lever on left and right side of the handlebar. Squeezing the hand brake lever with your left hand activates the rear brake. Make sure to release the HAND THROTTLE GRIP when engaging the brakes.

Practice braking on a smooth, dry surface to get used to the feel of the braking system. Braking distance is affected by wet conditions and loose and uneven riding surfaces.

# 12 Adjusting the Brakes

How to adjust the brakes

The Brakes on the motorcycle should come fully adjusted from the factory. However, it may be necessary to adjust the brake from time to time.

1. With one hand, depress the brake caliper using your thumb and forefinger.
2. With the other hand, adjust the tension screw on the brake line.
  - a. Turn the tension screw clockwise to loosen the brake.
  - b. Turn the tension screw counterclockwise to tighten brake.

## Squeaky Brakes

The brakes may squeak before they are broken in. This is normal and will not affect the function or performance of the brakes. With continued use the squeak should go away.

# 13 Adjusting the Chains

The chains will come adjusted from the factory. However, it may be necessary to adjust the sprockets from time to time. The chain must be well aligned with the sprockets otherwise they may start to rub and chafe. Which will result in shortened chain life.

## How tight should the chain be?

- If the chain is skipping or jumping on the pulley teeth, it is too loose and may be harmful.
- If the chain is making a humming sound when the wheel is turning, it is too tight and may cause the chain to snap.



The correct tension is achieved by adjusting the chain from its loose position to when it becomes lightly tense.



To tighten the chains:

1. Slightly loose the two Axle bolts on both sides of the rear wheel. Then slowly adjust the two chain adjusting

2. Occasionally rotate the rear wheel to make sure chain is aligned.

3. Finally lock and tighten the rear axle bolts prior to riding.

# 14 Maintenance Schedule

Proper care of your motorcycle will insure optimal performance and a longer life span. The following are a few maintenance suggestions that will keep your motorcycle running in top condition:

## Daily Maintenance

Perform each time you ride your motorcycle

Clean fuel leakage or air leakage.

Check that all nuts and bolts are securely tightened.

## Weekly/ Monthly Maintenance

Check the pull starter, especially the cord and return spring.

Remove the spark plug and check the electrode gap.

Adjust it to 0.6mm, or change the spark plug.

Clean the cooling fins on the cylinder head and check that the air intake at the starter is not clogged.

Clean the air filter.

# 15 Storage

If the bike isn't used for a long time, it must be maintained as follows:

1. Remove the fuel in the tank and in the carburetor, close the chock totally, draw the starter 3-5 times.
2. Take down the sparking plug, add certain engine oil from the spark plug hole into the cylinder, and draw the starter 2-3 times to move the piston to the top dead center, the install the spark plug.
3. Use the soft cloth with engine oil to clean the surface of the engine, smear wax on the frame and put the engine to the dry and windy place for the next use.

# 16 Trouble Shooting

1. Fail to start
  - 1) . Gasoline mixed with water ,please replace it.
  - 2) .The spark plug has accumulated carbon or has been broken through.
  - 3) .Poor contact of the high -voltage wire with the spark plug.
2. The engine can start .But can't run speedily.
  - 1) .The choke is open totally or not.
  - 2) .The ratio of the engine oil and the gasoline is normal or not.
  - 3) Maybe there is water in the gasoline.

3. The gasoline engine can run ,but has not enough power.
  - 1) Maybe the air filter is blocked by dust.
  - 2) Maybe the cylinder exhaust and the muffler are blocked by accumulated carbon.
  - 3) The piston,the piston rings and cylinder have been badly worn out.
  - 4) Maybe the fuel strainer is blocked by dust.
  - 5) The body or the top of the shaft has oil leakage and air leakage.
  
4. The gasoline engine stops suddenly when running.
  - 1) Run out of gasoline.
  - 2) The high-voltage wire drops.
  - 3) The spark plug has accumulated carbon or has been broken through.
  - 4) The fuel strainer is blocker by dust.
  - 5) Maybe there is water in the gasoline.
  - 6) The air hole of the tank lid is blocker by dust
  
5. Can's stop engine  
The stopping wire of switch is open circuit.

**Thank You for purchasing this motorcycle .**