OWNER'S MANUAL

CROSSFIRE MOTORCYCLES

CROSSFIRE



CAG 250

OFF-ROAD MOTORCYCLE

WARNING

NOT TO BE RIDDEN BY RIDERS UNDER 16 YEARS OF AGE.

Introduction

Read through carefully and understand these instructions before use.

Congratulations on choosing our off-road motorcycle. We would like to thank you for your trust in us. When you own one of our motorcycles, you are a part of a worldwide satisfied customer family.

Your motorcycle was designed as a recreational motorcycle for off-road use by one rider only. It is an ideal bike for younger and beginner riders.

Before riding motorcycle, take time to get familiar with it and be responsible for keeping your motorcycle well maintained. Scheduled service is must. It is important to comply with the manual what be full of instructions, safety information and helpful tips.

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⚠ Please read it carefully. Otherwise, there may be a risk of death!

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SECTION 1 Assembling Steps and Parts

Assembling Steps AND Parts pictures

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It is strongly suggested that the assembly of the dirt bike be completed by an adult to ensure proper assembly for safe operation.
Start to open the carton and take it away. Please be careful to check motorcycle and not to lose any parts. There are parts, Front Wheel, Tool Bag, Key, Manual, Kick lever, Fairing and Alloy Brake Pedal etc. inside.

1.1**Assembling Flow Chart of Customer**
Step1: Open carton Step
Step 2: Back-out Packing Steel Frame.
Step3: Assembling Front Wheel
⚠(1,;2,;3;4,)
NOTE:1,check front wheel and the space;2,fix front wheel;3,screw down the axle's nuts; 4, Check the front wheel brake before rotating flexible and effective

Step 4: Assembling Swing Arm Bracket
Step 5: Assembling AND Adjusting Handlebar.
Step6: Assembling accumulator
Step7: Assembling Fairing
Step 8: Fill fuel tank as specified in owners manual
Step 9: Debugging Dirt Bike (brake,pressure of tyre,engine and putting into oil will be checked)

⚠**! WARNING**

Refer to owner's manual for proper starting instructions.
This engine oil should be drained and replaced with new engine oil. Before debugging dirt bike, never attempt to start the engine without first

replacing the engine oil with the proper amount grade as described in the owners' manual.

⚠

Checking Spare Parts in the Carton

⚠ Residual risks.

Information about the residual risks that remain despite the inherent safe design measures, safeguarding and complementary protective measures adopted.

Residual risks related to the internal combustion engines:

i) Exhaust gas is poisonous; do not run the engine in an unventilated space,

ii) Fuel is combustible and easily ignited. Do not refuel during operation. Do not refuel near flames. Do not spill fuel. Wipe up fuel spills immediately,

iii) Some parts of the engine may be hot and cause burns;

residual risks related to the possible danger of burns if the brakes are touched after a prolonged use.

SECTION 2 Safety, Warnings and Caution Messages

Your safety, and the safety of others, is very important. And operating this motorcycle safely is an important responsibility. This information alert you to potential hazards that could hurt you or others.
Of course, it is not practical or possible to warn you about all hazards associated with operating or maintaining a motorcycle. You must use your own good judgment.

2.1Safety Information

– Use definition – intended use

DB250 (All DB250 models)

This vehicle has been designed and built to withstand the normal stresses and strains of racing. This vehicle complies with the currently valid regulations and categories of the motorsports organizations.



Info
Only operate this vehicle in closed-off areas remote from public road traffic.

Misuse

The vehicle must only be used as intended.
Dangers can arise for people, property and the environment through use not as intended.
Any use of the vehicle beyond the intended and defined use constitutes misuse.
Misuse also includes the use of operating and auxiliary fluids which do not meet the required specification for therespective use.

Safety advice

A number of safety instructions need to be followed to operate the product described safely. Therefore read this instruction and all further instructions included carefully. The safety instructions are highlighted in the text and are referred to at the relevant passages.

⚠You will find important safety information in a variety forms, including:

⚠

·**Safety Labels—**on the motorcycle.
·**Safety messages—**preceded by a safety alert symbol⚠ and three signal words:
DANGER, WARNING, or CAUTION.
These signal words mean:
⚠**DANGER** You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.
⚠**WARNING** You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
⚠**CAUTION** You CAN be HURT if you don't follow instructions.

·**Safety Headings—**such as important Safety Reminders or Safety Precautions.
·**Safety section—**such as Motorcycle correctly and safety.
·**Instructions—**how to use this motorcycle correctly and safety.

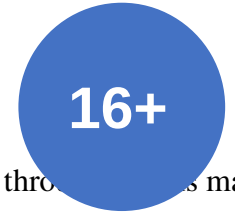
⚠Important Safety Information

This section presents some of the most important information and recommendations to help you ride your motorcycle safely. Please take a few moments to read these pages. This section also includes a special message for parents and location information for the safety labels on your motorcycle.

Your motorcycle can provide many years of service and pleasure—if you take responsibility for your own safety and understand the challenges

you can meet while riding.

This motorcycle has been designed for younger riders over 16 years of age with certain professional skills for the recreational and competitive sport and urban highways not on the road, before driving to a bicycle, are prepared to do a good job, they must carefully read these messages



There is much that you can do to protect yourself when you ride. You'll find many helpful recommendations thro s manual. The following are a few that we consider most important.

⚠Ecologic Drive

The noise and the pollution of every vehicle depend on how it is driven. We strongly recommend you to drive steadily, without strong acceleration and deceleration. During off- road use do not damage the environment, avoid noise and everything that can disturb persons and animals. Use a sport drive only race circuits.

⚠Ride off-Road only

Your motorcycle is designed and manufactured for off-road use only. The tires are not made for pavement. If you need to cross a paved or public road, get off and walk your motorcycle across.

⚠Take Time to Learn and Practice

Developing off-road riding skills is a gradual, step-by-step process. Start by practicing at low speeds in a safe area and slowly build your skills. Personal instruction from an experienced rider can also be valuable. If you need assistance, ask your dealer about riding groups in your area. Also be sure to read the Tips & Practice Guide for the OFF-Highway Motorcyclist booklet that came with your motorcycle(USA only).

⚠Always Wear a Helmet

It's a proven fact: helmets significantly reduce the number and severity of head injuries. So always wear an approved motorcycle helmet. We also recommend that you wear eye protection, sturdy boots, gloves, and other protective gear.

⚠Never Carry a Passenger

Your motorcycle is designed for one person only. There are no handholds, footrests, or seat for a second person-so never carry a passenger. A passenger could interfere with your ability to move around to maintain your balance and control of the motorcycle.

⚠Be Alert for Off-Road Hazards

The terrain can present a variety of challenges when you ride 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.

⚠Ride within Your Limits

Pushing' limits is another major cause of motorcycle accidents. Never ride 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 ride safety.

⚠Don't Drink and Ride

Alcohol and riding 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 ride, and don't let your friends drink and ride either.

⚠Keep Your Motorcycle in Safe Condition

⚠

It's important to keep your motorcycle properly maintained and in safe riding condition. To help avoid problems, inspect your motorcycle before every ride and perform all recommended maintenance.

That's why we urge you to read this message before you let any young person ride this motorcycle. Off-road riding can be fun. But, as with riding a bicycle, bad judgment can result in injury, and we don't want that to happen! As a parent, you can help prevent accidents by making good decisions about if, when, and how your youngster rides this motorcycle.

⚠Riding Readiness

The first decision you'll need to make is whether your youngster is ready to ride. Riding readiness varies widely from one person to another, and age and size are not the only factor.

⚠An Important Consideration

For example, riders must be big enough to hold the motorcycle up, get on, and comfortably sit on the seat with both feet touching the ground. They should also be able to easily reach and work the brakes, throttle, and all other controls.

⚠Athletic Ability

It is necessary for riding a motorcycle. generally speaking, your youngster should be good at riding a bicycle before getting on a motorcycle, can your youngster judge speeds and distances while riding a bicycle and react with proper hand foot actions? Anyone who does not have good coordination, balance, and agility is not ready to ride this motorcycle.

⚠

Instruction and Supervision

If you decide that your youngster is ready to safely operate this motorcycle, make sure both of you carefully read and understand the owner's manual before riding. Also be sure that your youngster has a helmet and other appropriate riding equipment and always wears it when operating the vehicle or sitting it.

Remember, learning to ride a motorcycle is a gradual, step-by-step process. It takes time, patience, and practice-many hours over a period of

weeks or months.

To help your youngster build confidence as they're learning to ride, this bike was delivered with a speed restrictor that limits top speed. We recommend that all beginning riders start off with the speed restrictor may be adjusted to gradually increase maximum speed as the beginner becomes more familiar with riding their bike motorcycle.

⚠Supervision

It is another important obligation of parents. Even after youngsters have become skilled off-road riders, they should always remind young riders of basic safety rules and responsibility to see that the motorcycle is properly maintained and kept in safe operating condition.

⚠Safe AND Responsible Riding

It is an on-going commitment-by you and your youngster. When you both put safety first, you can enjoy more peace of mind, and your youngster can enjoy more hours of safe off-road riding. For your convenience, this DIRT BIKE comes with an ignition switch and key. Remove the key when the motorcycle is parked to help prevent unauthorized use.

Your Dirt Bike was designed as a rider-only motorcycle. It was not designed to carry a passenger or cargo. A passenger or cargo could interfere with your ability to move around to maintain your balance and control of the motorcycle.

In addition, exceeding the weight limits or carrying an unbalanced load can seriously affect your motorcycle's handling, braking, and stability, Adding accessories or making modifications that change this motorcycle's design and performance can also make it unsafe. Also, the weight of any accessories will reduce the maximum load the motorcycle can carry.

⚠

More specific information on load limits, accessories, and modifications follows.

⚠Loading

How much weight you put on your motorcycle, and how you load it, are important to your safety. If you decide to carry cargo, you should be aware of the following information.

⚠WARNING

★Overloading or carrying a passenger can cause a crash and you can be seriously hurt or killed.
★Follow all load limits and other loading guidelines in this manual.

⚠Load Limits

Following are the load limits for your motorcycle:

115kg, =100 kg(220 lb)
The dirt bike has an unloaded mass of 115kg, Maximum weight capacity=100 kg(220 lb)
Includes the weight of the rider and anyaccessories.

⚠Loading Guidelines

We recommend that you do not carry any cargo on this motorcycle. However, if you decide to carry cargo, ride at reduced speeds and follow these commonsense guidelines:

·Keep cargo small and light. Make sure it cannot easily be caught on brush or other objects, and that it does not interfere with your ability to shift position to maintain balance and stability.

·Place weight as close to the center of the motorcycle as possible.

·Do not attach large or heavy items (such as a sleeping bag or tent) to the handlebar, fork, or front fender.

·Make sure that all cargo is tied down securely.

★,=10kg.
·Never exceed the maximum weight limit.

Check that both tires are inflated properly.

⚠Speed instructions

"This motorcycle is equipped with a speed limiting device that has limited the maximum speed to the lowest value. Use this device until you can go from rusty to proficient in operating this motorcycle. The adjusted speed limiter should match the driver's capabilities."

Safe driving is very important, and this speed limit device is set according to the driver's ability, experience and maturity. Although guidance is provided for riding ability and the setting of speed limiting devices, there are other factors such as personal ability, training, and guardianship. The following table provides guidance for setting speed limiting devices for general purpose vehicles.

-Table - Recommended speed

	Recommended speed
Beginner stage	**≤30Km**
Intermediate stage	**30Km-60Km**
Advanced stage	**60Km-90Km**

The speed limiter also needs to be set taking into account the requirements of experienced drivers for safe use.
For example:
i);.
i) The maximum speed achieved on different surfaces can vary greatly from a particular setting value
Same; Performance requirements on soft and rough surfaces will be higher than those on dry and hard surfaces Higher.
ii),.
ii) Reducing unnecessary performance may affect the ability to climb slopes or overcome obstacles, leading to instability.

SECTION 3 General Information

3.1Component Locations

⚠Accessories & Modifications

Modifying your motorcycle or using non-Best accessories can keep on your motorcycle unsafe.

Before you consider making any modifications or adding an accessory, be sure to read the following information.

⚠⚠WARNING

Improper accessories or modifications can cause a crash in which you can be seriously hurt or killed.

Follow all instructions in this owner's manual regarding modifications and accessories.

⚠Modifications

In order to your safety, we strongly advise you not to remove any original equipment or modify your motorcycle. Such changes could seriously impair your motorcycle's handing, stability and braking, make it unsafe to ride.
We also advise you not to make any modifications or remove any equipment that would make the motorcycle illegal in your area.
⚠
Check with your dealer for assistance and always follow this guideline:

Make sure the accessory does not reduce ground clearance and lean angle, limit suspension travel or steering travel, alter your riding position or interfere with operating any controls.

⚠Safety and Warning Label

This page shows the locations of safety labels on your motorcycle. Read these labels carefully and don't remove them.

If a label comes off or becomes hard to read, contact your Dirt Bike dealer for a replacement

To protect you, always wear protective gear when riding.
Operator only. There are no passengers. Please read the user manual carefully. It is forbidden to drive on the road



Warning!

⚠

In addition to the previous requirements, this product should not be operated/ridden:

by more than one rider at a time .

by any physically or mentally challenged person

by any person with vision,balance,hearing or coordination impairments

while not seated on the seat

without two hands on the handlebars

by barefoot riders or those wearing sandals, open toed, high heeled,platform or slip on foot wear

to jump ramps,curbs, or attempt any stunts

with excessive speed for the terrain

with clothing or extremities in close proximity to the drive chain

by any person who has ingested any alcohol or drug that could impair their ability to operate the motorcycle
beyond your ability or prior experience
(by stopping with only the front brake
on any sidewalks or pedestrian walkways
in darkness
by any person weighing more than 120kg.

SECTION 4 Vehicle Identification

Frame, engine and other Identification

⚠vehicle identification

Frame, engine and other Identification

,,(EPA).,..

The frame, EPA and engine identification are required when you register your motorcycle, but EPA identification is generally applicable in the USA. The frame and engine serial may also be required when ordering replacement parts .Please record these numbers in the reference and Warranty Certificate section in this manual.

⚠Write down important information here:

Frame NO. (VIN)
:Engine NO.
:other information

⚠ Frame Identification (VIN)

The frame number (VIN) is stamped on the right front side of the frame.



⚠Engine Identification

Engine number is stamped on the bottom of the engine, on the left side.



⚠Other Identification

other identification is stamped on the rear fork or on the left side of the frame.

SECTION 5 Preparing Before Use

5.1 Pre-ride Check

checking **Before Using**

Refer to owner's manual for proper starting and riding instructions. After the first hour of race use, we recommend checking the tightening of all components, paying special attention to the following parts:

Handlebar ,Footrest,Wheel sprocket ,Shock absorb ,Engine bolts and nuts ,Rear sprocket,Front brake lever,Throttle control,Clutch lever,Engine stop push button,Disk-type with hydraulic control,Chain,Axle of wheel

⚠And pay attention to the follows:
Check all fuel and electric lines for proper connections and being filled with fresh gasoline.

Bike Wear protective clothing, gloves, and eye protection that doesn't interfere with your vision.
Use a gauge to check the air pressure of tires. Adjust if needed. Also look for signs of damages or excessive wear.
Please look for signs of damages or excessive wear.
Spokes & Make sure the spokes are tight. Also check the rims for damage.

Look under the motorcycle for signs of leaking fluids (fuel, engine oil)

Engine oil: Check the level or window of green oil and add oil if needed

Check the free-play and adjust if needed Rotate the throttle to make sure it moves smoothly without sticking,

and snaps shut automatically when it is released,in all steering positions.

squeeze the front brake lever and step on the rear brake pedal to check that the controls operate normally.

Check fuel and add fuel if needed.also make sure the fuel fill cap is securely fastened.

Check the condition and slack of drive chain.Adjust and lubricate if needed, also check the chain slider for wear and replace if needed.

Check the capable housing foe wear.Check the fittings for looseness.replace or tighten as needed.

Use a wrench to make sure for wear of nuts &bolts,

Check for looseness of spark plug.

⚠

Remember, be sure to take care of any problem you find or have your Dirt dealer correct it before you ride

5.2 Before Riding

Before each ride, make sure you and your Dirt Bike are both ready.

First, before you ride your motorcycle for the firs time, we strongly recommend that you:

Read this owner's manual

Make sure you understand all the safety messages

Know how to operate all the controls

Second, before each ride, we also suggest that make sure you:

Are in good physical and mental condition
Are free of alcohol and drugs

Are wearing an approved motorcycle helmet (with chin strap tightened securely), eye protection, and other protective clothing

Third, if you are a parent, be sure you also read the important Message to Parents.

⚠!! WARNING

Not wearing a helmet *increase* the chance of serious injury or death in a crash.

Be sure you always wear a helmet, eye protection and other protective apparel when you ride.

⚠

Following are suggestions to help you choose the proper gear.
A helmet should fit your head comfortably and have a chin strap that can be tightened securely.

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.

Riding plants with knee and hip pads, a riding jersey with padded elbows, and a chest/shoulder protector.

**WARNING*



– "Read instruction handbook";

– no passenger allowed;

– do not use on public roads;

– always wear helmet and protection equipment.

SECTION 6 Operating Controls

⚠How To Use And Operate Control

This section gives basic information on how to begin operating your Dirt Bike. It includes how to start and stop your engine, how to use throttle and brakes, and what to do when you are through riding.

⚠

When you ride off-road, you need to operate the throttle, brakes and other controls without stopping to look at them. Read this section carefully before you ride. It describes the location, function and operation of all the basic controls on your motorcycle.

6.1 Operating Main Parts

Fuel Operation

Remove cap

Add fuel until the level reaches the bottom of the filler neck. Avoid overfilling the tank. After refusing, turn the fuel fill cap clockwise until it is secure. Check that the breather tube is properly seated on the fill cap.



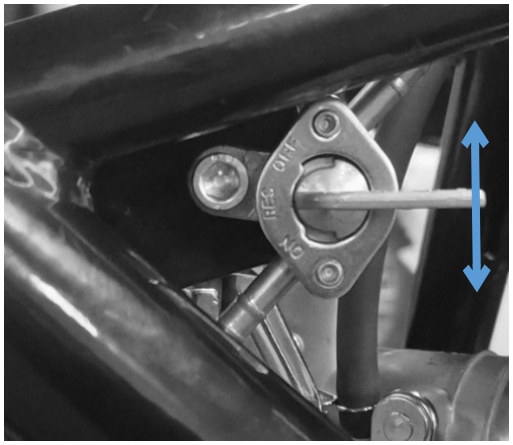
⚠!92#!

92#OCTANE OR OVER HIGH QUALITY UNLEADED GASOLINE ONLY!

,Fuel Value Operation

Fuel value: Located under fuel tank
Open fuel tank value
ON=open ONON=open OFF=closed OFF.
Turning the fuel value ON before attempting to start the engine allows fuel to follow from the fuel tank to the carburetor.

Turning the fuel tank value OFF after stopping the engine prevents the flow of fuel from the fuel tank to the carburetor.



Choke Lever Operation

A: Full on
B: Detent position
C: Full off
The choke lever is used for starting the engine. The choke increases the percentage of fuel in the fuel/air mixture delivered to the engine.

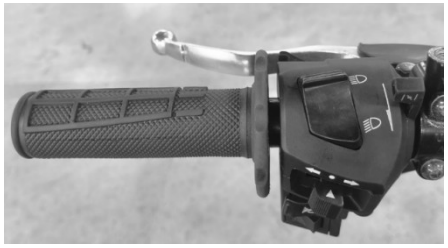
ON:
35C (95F).
Used to start a cold engine with air temperature below 35C (95F).

DETENT:
35C (95F)
Used to warm a cold engine immediately after starting with air temperature below 35C (95F).

OFF:
.35C (95F).
Used for normal operating, for restarting a warm engine, or starting a cold engine with air temperature above 35C (95F)

Engine Stop Switch

(RUN,OFF.)
Turn to RUN to start the engine, turn to OFF to stop the engine in normal riding situations.



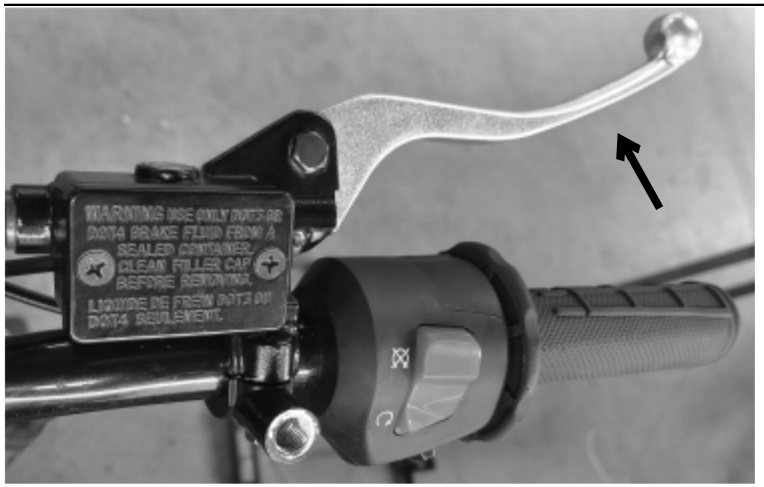
Note: this state is the damper open state.



Note: this state is the air door closed state.

,Front Brake Handle

On the right side of the handlebar, used to slow down or stop your motorcycle.



,Rear Brake Pedal

On the right side of engine, depress the pedal with right foot to slow down or stop your motorcycle.



Notice:warning of the possible danger of burns if the brakes are touched after a prolonged or severe use.

6.Clutch Handle

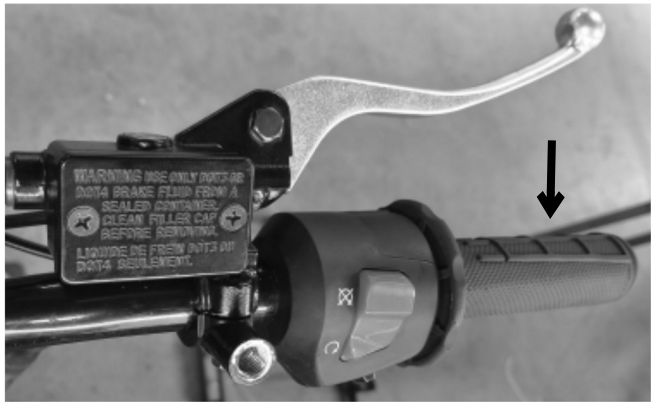
On the left side of the handlebar, used to shift gear of the engine. After shifting gear, pull back on the throttle grip towards you and released

the clutch handle slowly.



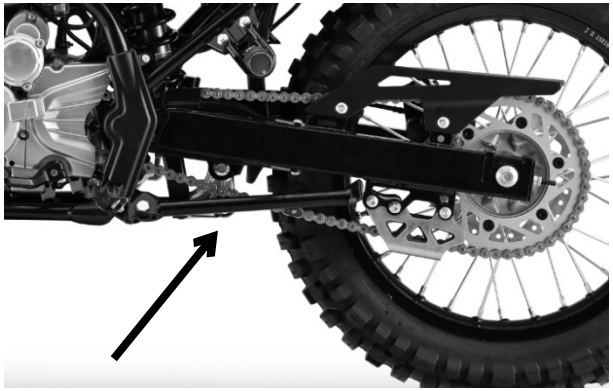
7.Throttle

Controls the engine's RPM (speed). To increase engine RPM, rotate the grip toward you.To reduce engine RPM, rotate the grip away from you. The throttle grip will automatically return the closed position (engine idle) when you remove your hand.



,Side Stand

Used to support your motorcycle while is parking. Before riding, please raise the side stand.



Breaking in

Run in the vehicle over about 500km.During this period, we recommend to:Avoid travel at high speeds.

Change speed often so that the part will break in uniformly in a short time.

Avoid turning the throttle more than 3/4.

⚠Warning!

Change the crankcase oil after 500km.

Always use a mixture of green grade oil and a qualitatively oil.

After the first off-road use, check all of the nuts and bolts.

(95)!**High Air Temperature (95F or above)**

1. !Do not use the choke.

2. !Start the engine under Normal Air Temperature.

3. Pull back on the throttle towards you and slow released the clutch lever.

4. When you attain a moderate speed, close the throttle, pull back on the clutch lever and pull up on the gear lever.

5. To continue shifting up to each higher gear, close the throttle, then repeat step 2.

6. When speed is slow, to shift down to a lower gear, close the throttle, pull back on the clutch lever and depress on the shift lever.

7. If stopping, shift gear is idle.

⚠**Warning!**

!Remember to close the throttle before shifting.

To prevent transmission damage, do not coast and toe the motorcycle for long distances with the engine off.

⚠**Warning!**

"OFF"
After parking the motorcycle, remove the key.



SECTION 7 Maintenance and Adjustment

7.1 Maintenance Procedures

Maintenance Objects

Fuel

⚠!92#!
Never use stale or contaminated gasoline or an oil/gasoline mixture.

⚠

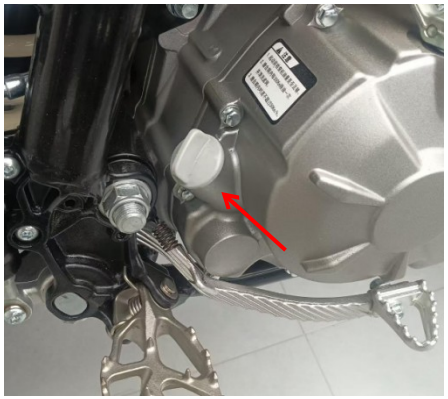
Avoid getting dirt, dust or water into the fuel tank.

Inspecting Oil

Start the engine and run it for about three minutes.Turn off the engine and wait for about a minutes.Using a clean tag, remove all traces of oil from the dipstick.
While keeping the motorcycle in an upright position, reinsert the dipstick and push it down to the filler thread without screwing the cap on.Pull out the dipstick again or see window of green oil and check that the oil lever is between the MAX and MIN mark, pour in fresh oil through the filler hole until the level reaches the MAX mark.

⚠

NOTE!Never drive if the oil level is below the MIN mark on the oil dipstick. When topping up with engine oil, be sure to never beyond the MAX level.





In the process of assembling and disassembling, pay attention to protection and avoid other foreign bodies entering the crankcase!

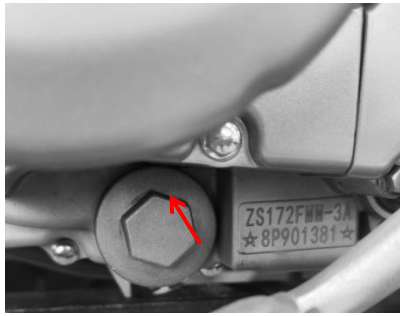
Oil Change

When the engine starts, it is forbidden to open the oil gauge. When the engine stops working, keep the car level. Prepare a container under the exhaust hole of the engine. Turn the oil bolt open and exhaust the engine oil completely.

After discharging the old lubricant, the discharging bolt is rotated and tightened, and the new oil is injected into the engine crankcase.

⚠:!500!

Renew the engine oil after the first 500km.



Note: the bolt indicated by the red arrow is the oil drain bolt.

Spark plug

You will need to provide your own tolls to perform any owner maintenance other than removing the spark plug.

When replacing the spark plug, screw it in by hand until it stops, then tighten with a wrench.

⚠

!Improperly tighten spark plug can damage. Too loose, can burn the piston; Too tight, can damage the thread.

⚠

Examine the distance between the electrodes with a feeler.

⚠

Periodically, the spark may need to be either removed and cleaned or replaced due to build-up or an improper spark plug gap.

⚠

Remove the cap and plug from the engine block to see if there is any oil built-up or residue on the end.

⚠

Clean with a stiff brush and re-inspect.

⚠:0.7-1.0,,!

A spark plug gap measuring tool is need for the proper gap. MGF. Suggests gap should be0.7-1mm. If the dirt bike still runs poorly, replace the plug with a new type spark plug

⚠

Check it whether there has cracks in the insulation or corroded electrodes. If not, replace immediately.





Note: pay attention to the protection of spark plug hole during assembly and disassemble to prevent foreign matters from entering the combustion chamber!



Front hydraulic brake
Undo the two screws, remove cap and check if fluid is present inside reservoir. If necessary, top up with fresh fluid.

Note: the screw indicated by the arrow needs to be opened correctly with a special cross screw cutter.



/rear hydraulic brake

Undo the two screws, remove cap and check if fluid is present inside reservoir. If necessary, top up with fresh fluid.

Note: the screw indicated by the arrow needs to be opened correctly with a special cross screw cutter.

Brake lining

⚠:2,!

If the lining be thinner, replace the brake pads immediately.

⚠ residual risks related to the possible danger of burns if the brakes are touched after a prolonged use.



Note: the screw indicated by the F/R Brake lining.

Air Filter

Clean the air filter every time, after the vehicle is used cross-country.Air filter is under the saddle, consisting of plastics-case, filter element and cover. To clean it, undo the saddle and cover of plastic-case, the take out the sponge and wash it.
If filter element is very dirty, wash it in shampoo,then make sure place dry sponge in the plastics-case.



Note: in the process of disassemble and assembly, please pay attention to prevent foreign matters from entering the plastic shell of air filter!

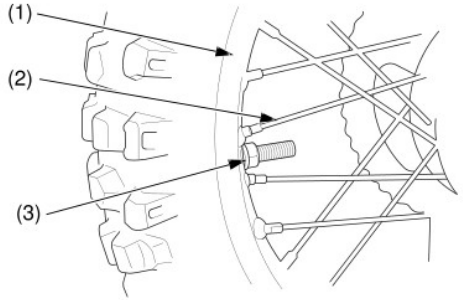
Tire information:

Tires are the only link between the vehicle and the road surface. Safety in various driving conditions depends on the relatively small area of contact with the road. Therefore, it is important that the tires are kept in good condition at all times and that the installed tires are properly replaced when changing them.

Wheel Rims & Spokes:

Keeping the wheels true (round) and maintaining correct spoke tension is critical tosafe motorcycle operation. During the first 100miles (150 km), spokes will loosen more rapidly due to the initial seating of the parts.Excessively loose spokes may result in instability at high speeds and the possible lossof control. Neglecting this maintenance mayalso cause rim or spoke damage. It's alsoimportant that the rim locks are secure toprevent tire slippage.

It is not necessary to remove the wheels toperform the recommended service in the Maintenance Schedule. However, informationfor wheel removal is provided for emergencysituations.



(1) wheel rim
(2) spoke
(3) rim lock

Inspect the wheel rims (1) and spokes (2) fordamage

Tighten any loose spokes or rim locks (3)

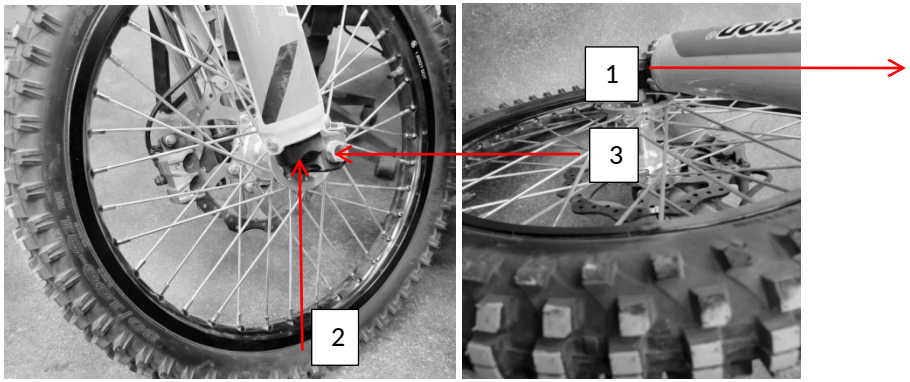
Rotate the wheel slowly to see if it appears to"wobble."'If it does, the rim is out of roundor not "true."If the wobble is noticeable, seeyour

dealer for inspection

Tire removal

It is recommended that the installation and removal of tires must be carried out by personnel with the necessary knowledge and technical expertise.

Front wheel disassembly:



1. axle holder nuts 2. axle holder 3. front axle shaft

Instructions for disassembly:

Raise the front wheel off the ground by placing a maintenance stand or support blockunder the engine. Secure the rear of the motorcycle with tie-down straps.

Remove the axle holder nuts (1) and the axleholder (2).

Unscrew and remove the front axle shaft (3).Remove the wheel and side collars.Avoid depressing the brake lever when thewheel is off the motorcycle.This will forcethe caliper pistons out of the cylinders. Theresult will be loss of brake fluid.If this occurs, the brake system will require service.See your dealer for this service.

Installation instructions:

Reverse the removal procedure. Install theside collars into the wheel.

Insert the front axle shaft through the wheelhub and right fork leg.

Tighten the front axle shaft to the specifiedtorque:54 lbf-ft (73.5 Nm,7.5 kgfm)

First tighten the upper axle nut until it is gently in place, then tighten the lower axle nut until it is gently in place.

Operate the front brake and pump the forkseveral times.

First tighten the upper axle holder nuts to thespecified torque, then tighten the lower axleholder nuts to the same torque:9 lbf·ft (12 N-m,1.2 kgf-m)

After installing the wheel, apply the brakeseveral times and then check if the wheelrotates freely. Recheck the wheel if the braked rags or if the wheel does not rotate freely.Check front brake adjustment.If a torque wrench was not used to install thewheel, see your dealer as soon as possible toverify proper assembly. Improper assembly may lead to loss of braking capacity.

Rear wheel disassembly:

Preparatory work

-Raise the motorcycle with a lift stand.

Main work

Manually press the brake caliper toward the brake disc to pushback the brake piston.

Info

Make sure that you do not press the brake caliper against the spokes when pushing back the brake piston.



Remove nut1.

Pull out the shaft of the rear wheel.3

-

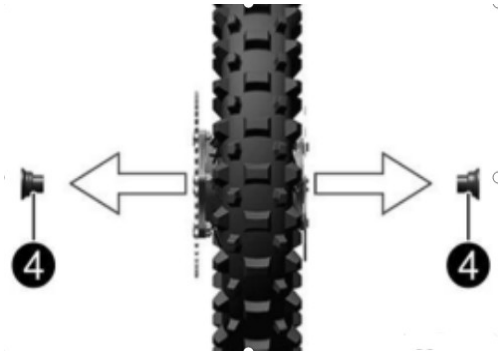
Push the rear wheel forward as far as possible.Remove thechain from the rear sprocket.



Info
Cover the components to protect them against damage.

Warning
Danger of accidents Damaged brake discs reduce the braking effect.
– Always lay the wheel down in such a way that the brake disc is not damaged.

Take the rear wheel out of the link fork.



Info
Do not operate the foot brake lever when the rear wheel is removed.

Remove the spacer 4

Installing the rear wheeli

Warning

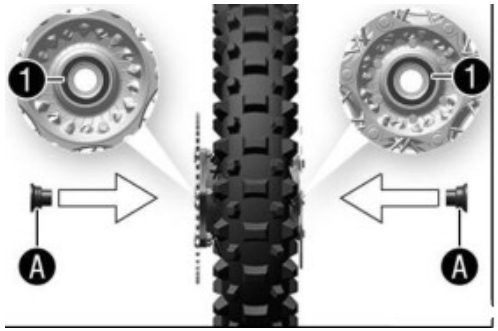
Danger of accidents Oil or grease on the brake discs reduces the braking effect.

– Always keep the brake discs free of oil and grease.

– Clean the brake discs with brake cleaner when necessary.

Main work:

-Check the wheel bearing for damage and wear."If the wheel bearing is damaged or worn:



Change the rear wheel bearing.

- 1A.

Clean and grease shaft seal rings 1 and contact surfaces A of the spacers.

-

Insert the spacers.

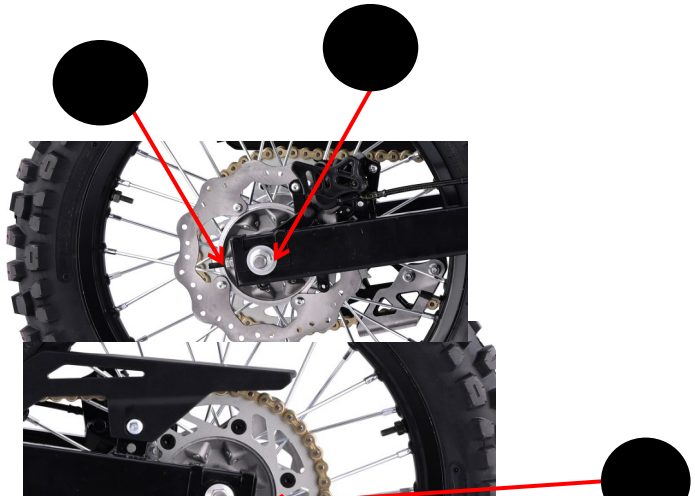
Clean and grease the wheel spindle.



Align the rear whee and the chain adjuster ,and then insert wheel spindle 2.

-

The brake linings are correctly positioned.



Mount nut 4, but do not tightenit yet.

Mount the chain.

-35

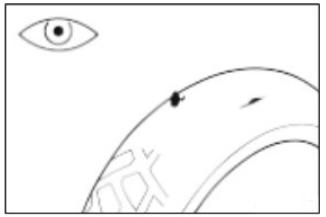
Adjust the nuts on the chain adjusters on both sides.3 and 5.Check the chain tension.

Tighten nut 4,and then tighten the nut 3and5.

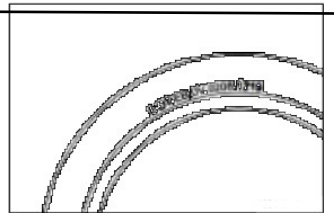
Operate the foot brake lever repeatedly until the brake lin-ings are in contact
with the brake disc and there is a pressurepoint.

Checking the tire condition

y mount tires approved and/or recommended by factory.
Other tires could have a negative effect on handling characteristics.
The tires mounted on the front and rear wheels must have a similar profile.
Worn tires have a negative effect on handling characteristics, especially on wet surfaces.



The tread depth of the tire should be checked regularly. It must be noted that the shallower the tread, the worse the grip of the tire.
After a puncture, you must stop the car as soon as possible and remove the tire for inspection.
Tire repairs should be carried out by professionals.



Even if the tires have not been used or are only used occasionally, tire aging is inevitable.Tire aging is mainly reflected in: tread texture and sidewall cracking, sometimes accompanied by carcass deformation. Used and aged tires should be inspected by a tire professional to determine if they are suitable
Continue to use it.

r.,.
e tire date of manufacture is usually contained in thetire label and is indicated by the last four digits of theDOT number. The first two digits indicate the week ofmanufacture and the last two digits the year of manu-facture.
Recommends that the tires be changed after 5years at the latest,regardless of the actual state ofwear.

The tires that came on your motorcycle were designed to provide a good combination of handling, braking, durability, and comfort across a broad range of riding conditions

⚠ WARNING
Installing improper tires on your motorcycle can affect handling and stability. This can cause a crash in which you can be seriously hurt or killed. Always use the size and type of tires recommended in this owner's manual.

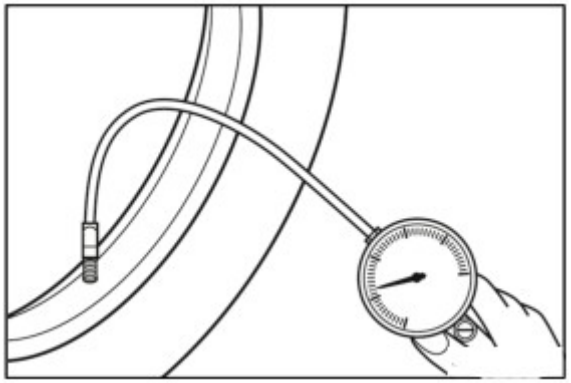
Front	80/100-21 M/C 51M
Rear	120/90-18 M/C 67M
Type	bias-ply, tube

Use a replacement tire equivalent to the original.

Replace the tube any time you replace a tire. The old tube will probably be stretched and, if installed in a new tire, could fail.

- Have the wheel balanced after a new tire is installed.
- We recommend that tires be replaced by your dealer.

Checking tire pressure



Info

Low tire pressure leads to abnormal wear and overheating of the tire.
Correct tire pressure ensures optimal riding comfort and maximum tire service life.

- Remove protection cap.
- Check tire pressure when the tires are cold.

Offroad tire pressure	
front	1.0 bar (15 psi)
rear	1.0 bar (15 psi)

» If the tire pressure does not meet specifications:
– Correct tire pressure.
– Mount the protection cap.

7.2 Adjustment Procedure

⚠!

Adjusting parts is very important for the safety, and is very necessary for maintenance. Poor adjustment can cause premature wear or damage to dive some parts

;1/16—3/1in (2.0—4.0 mm):1/16—3/1in (2.0—4.0 mm).

Check free-play Throttle grip; If necessary, adjust to the specified range. Free-play:1/16—3/1in (2.0—4.0 mm)

Check:1.Check the throttle, assembly is positioned properly and the securing bolts are tight.2.Check for smooth rotation of the throttle from fully open to fully closed in all steering positions. If there is problem, see your Dirt Bike dealer.3.Inspect the condition of the throttle cable (2) from the throttle grip down to the carburetor. If the cable is kinked or chafed, have it replaced.4.Check the cable for tension or stress in all steering positions.5.Lubricate the cable to prevent premature rust and corrosion.



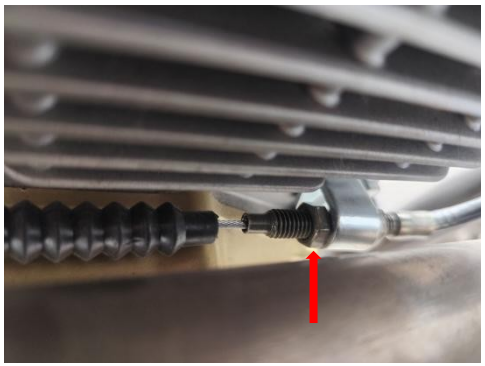
Note: the arrow refers to the adjusting bolt of throttle knob.

1.**Adjusting clutch**

Adjustment: Loosen the adjuster lock nut.2.Turn the clutch adjuster clockwise one turn; do not turn excessively.3.Slowly turn the adjuster counterclockwise until a slight resistance is felt 4.From this position, turn the adjuster clockwise1/8to1/4turn, and tighten the lock nut.5.After adjustment, test ride the motorcycle to be certain the clutch operates properly. 6.To perform the adjustment, lift

rubber dust cover and turn adjuster,step with 2,3.





2.**Adjusting Chain**

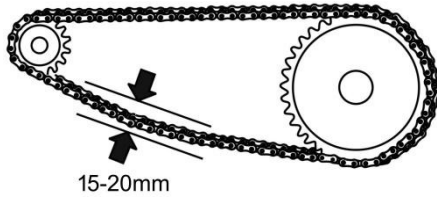
:1,,,.2,.3,,,15~20mm.4,,,,.5,.6,.7,,.8,.

Inspect the chain for:1.1,Damaged rollers.2,Loose pins.3,Dry or rusted links.4,Excessive wear.5.Check that the chain gusset is properly installed.6.Check the front and rear sprocket for excessive wear or damage.If necessary, have your dealer replace a worn sprocket.

:1





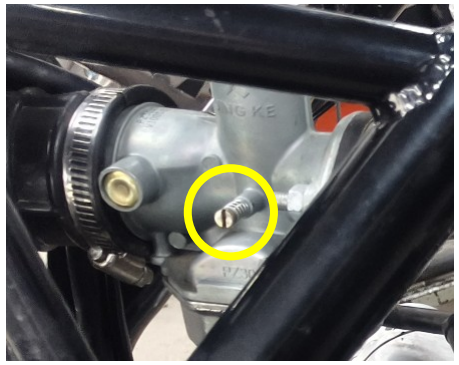


Note: Adjust the tightness of the chain to be between 15 and 20 mm.

Notice:As a protective device for the rotating parts of the chain, the chain cover is essential and must be reinstalled in its original position.

3.Adjusting Carburetor:

The mixing ratio of the carburetor has been set accurately in the factory. However, due to some reasons such as geographical location, air and weather, the deviation in actual use may be slightly adjusted according to the actual situation.
If there is acceleration or other abnormal in the use process, please make the following adjustments: 1. Check whether the idle speed is at 1500 rpm. 2. Check for smooth acceleration. 3. Check the acceleration for shooting.
Fine adjustment instructions: 1. Turn the idle speed adjustment screw, clockwise rotation will increase the idle speed, otherwise, it will reduce the idle speed to 1500 ± 100 rpm. 2. If there is item 2 or 3 in the inspection or the mixing ratio needs to be adjusted, please contact the seller or after-sales service network for relevant maintenance!



Note: the adjustable screw in the circle is the carburetor idle speed adjusting screw, which is adjusted clockwise or anticlockwise

4.**Adjusting Brake**

Front and rear brakes are hydraulic brakes. Front brakes need not be adjusted due to structural reasons. Back brakes can be adjusted as follows because of the relatively high frequency of use

1,Loosen the hold-down nut of the rear brake lever and remove the opening pin and bolt.2.Turn the rear brake lever, adjust the rear brake lever to the appropriate position, check the position of the rear brake pedal to reach the corresponding position.3.Plug in the latch and the opening pin,And lock the retaining nut of the rear brake ejector rod.4.Check whether the adjusted rear brake meets the brake travel requirements, and if not, readjust it.5.If the adjustment fails to meet the requirements, please contact the seller or after-sales service outlet for relevant



maintenance!

Emissions from motorcycles

If you notice any of the following symptoms, have your vehicle inspected and serviced by a local motorcycle dealer

1. Hard starting or stalling after starting.
2. Rough idle.
3. Misfiring or backfiring during acceleration.
4. ()After-burning (backfiring).
5. (),Poor performance (driveability) and poorfuel economy.

Federal regulations prohibit removing ordisabling a device or element of design thatmay affect your engine's emission performanceunless your motorcycle will be used.
exclusively in competition. If you modify yourengine for use in sanctioned competition events, you must deface or destroy the emissioncontrol information label.

Maintenance Procedure

Read the instructions before you begin, and make sure you have the tools and skills required.
To help prevent motorcycle from falling over, park it on a firm, lever surface, using the side stand or a maintenance stand to provide support
⚠

!WARNING Failure to property follow maintenance instructions and precautions can cause you to be seriously hurt of killed.
⚠

!WARNING Always follow the procedures and precautions in this owner's manual.

Inspection

In order to avoid problems connected to the operation of the vehicle, it is advisable to perform number of checks and maintenance operations before and after use. Just a few minutes given to these procedures will save your time and money, and will make riding much safer. Proceed as follows:

Check pressure, general condition and thickness of thread.

On cold day, run the engine at idle speed for a few minutes before starting off.

Wash the motorcycle carefully after use.

Inspections after Cleaning
1.(:,,AB).
1. Check whether the lubricating oil in the original joint of the whole vehicle is missing (e.g. steering of the steering column, fixing of the rear flat fork, moving parts of the rear rocker AB connecting rod, etc.).
2. Clean and dry chain gears carefully, then lubricate them with ointment.
Clean the piston rods of Fr/Rr suspension.
Check whether the exhaust manifold/pipe is filled with water
Are there any abnormal situations of leakage or short circuit in the whole vehicle circuit?
Whether the starting is normal or not.

Check the periodic table:

Interval Part	Break-in-1 Month —1	Every 3 Months 3	Every 6 Month 6
Air Filter	I	C	C&R
Brakes and Houses	Inspect before every ride		
Brake Fluid	Replace every 2 years		
Chassis Nut & Bolts	T	T	T
Drive Chain	I	I	I
Engine Oil	I	R	-
Exhaust System	T	T	T
Spark Plug	I	I	R
Suspension	I	I	I
Tires/Rims	Inspect before every ride		

Inspect and clean/adjust if necessary C-Clean T-Tighten R-Replace
I- C- T- R-

Maintenance Record

Correct maintenance will help you to ensure the dirt bike is natural. Please use the sheet to record anything you want to remind. If you find any problem while servicing you motorcycle, to check it as soon as possible before riding.

Miles(km)	Date	Performed By	Note
600(1,000)			
1,200(2,000)			
1,800(3,000)			
2,400(4,000)			
3,000(5,000)			
3,600(6,000)			

4,200(7,000)			
4,800(8,000)			
5,400(9,000)			
6,000(10,000)			



Important Safety Precautions

⚠

Make sure the engine is off before you begin any maintenance. This will help eliminate several potential danger!

Do not touch the engine when is working, it may hurt you.

⚠

Avoid to touch the engine after working immediately.

⚠

Injure from moving parts. Do not run the engine unless instructed to do so.

⚠

Poison gas of Carbon monoxide comes from engine's exhaust. Be sure there is adequate ventilation whenever you operate the engine.

⚠

To reduce the possibility of a fire or explosion, be careful when working around gasoline. Keep cigarettes, sparks, and flames away from fuel-related parts.

If replacing pads, we suggest to contact with your dealer to replace the pads.

Battery Storage:

Remove the battery from the dirt bike and ensure that it's fully charged before placing it in storage.

Storage Area/Covers

Set the tire pressure and safely support the dirt bike with the tires 1-2" off the ground. Be sure the storage area is well ventilated, and cover the machine with a dirt bike cover.
NOTICE: Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation, and may promote corrosion and oxidation.

Transporting the dirt bike

Follow these procedures when transporting the vehicle.

- Always place the brake in park.
- Always tie the frame of the dirt bike to the transporting unit securely using suitables straps or rope.

SECTION 8 Troubleshooting

8.1 Common Problems and Solutions

Problem	Possible Cause	Solution
	1 the Eng. Ignition Switch is in the "OFF" position	1. press the switch to the "RUN" position"RUN"
	2.Fuel valve is in the "OFF" position. "OFF"	2.Rotate the valve to the "ON" position"ON"
	3.No gasoline/oil, deteriorated gasoline or fuel system is blocked,	3.Fill tank with fresh 90# or high octane gasoline. Empty oil gasoline/refill or clean the system
	4.Flooded plug/poor gap or Engine is flooded/	4.Remove plug and clean. Replace if necessary., With gas completely open, continue trying to start engine for a few moments. If engine still does not start, remove the spark plug and dry it off.,.,.
	5.Loosen spark plug cap or no current arriving at spark plug 5.Loosen	5. Clean or replace spark plug, If the problem persists, consult one of our Authorized Dealers. 5.,,.
	6.CDI module is loose or faulty 6.	6. Reseat module in connector or replace
	7.Manual clutch lever is being engaged or is in gear	7.DO NOT engage manual clutch lever and ensure motorcycle is in neutral. 7..

	8.Air filter is very dirt	8. Proceed as indicated on air filter maintenance 7
Bike does not accelerate or runs poorly	1.Choke is in "ON" positionNO	1.Place in "OFF" position before riding "OFF"
	2.Not in gear	2. Engage into 1st gear by pressing down on the gear lever1
	3.Throttle is not attached or in need repair	3.Inspect throttle cable and attach or replace throttle
	4.Air filter is clogged or blocked	4,Remove, clean, or replace,
	5.Chain is unseated	5.Reseat and adjust chain tension
	6.Tires are under inflated	6.Inflate to proper PSI
	7.overload	7.weight reduction
Engine misfire	1.Spark plug has irregular electrode distance	1.restore correct distance
	2.Spark plug is dirt	2.clean or replace
Engine overheats	silencer partially obstructed 1.	1.Consult one of our Authorized dealers
	2.Mix too lean and Delayed ignition	2.Jet may be partially obstructed and consult one of our Authorized dealers2.
Weak brake	1.Pads worn and Excessive play on brakes transmission	1.Consult one of our Authorized Dealers

⚠Note: If the suggested solution does not resolve the problem, contact your dealer or an authorised service centre.

SECTION 9 Technical Specifications

9.1 Technical Specifications Table

Item	Technical specification	Specification	Notes
1	Engine model	CB250D-G /ZS165FMM	
2	Engine type	Single-cylinder, four-stroke, natural air-cooled, inclined cylinder, overhead camshaft	
3	Displacement (mL)	223	
4	Maximum power (kW/r/min)	12 /7000	
5	Maximum torque (N.m/r/min)	17.5 /5500	
6	Compression ratio	9.3:1	
7	Bore x stroke (mm)	65.5 x 62.2	
8	Ignition system	CDI	
9	Lubrication system	Pressure /splash lubrication	
10	Recommended engine oil	15W/40-SE (-10 to 40 C); HQB-10 (below -10 C)	
11	Starting system	Electric and kick start	
12	Clutch	Manual wet multi-plate	
13	Transmission	Constant-mesh, two-stage transmission, 5 forward gears	
14	Final drive	Chain	
15	Spark plug	D8TC	
16	Overall dimensions (L x W x H), mm	2100 x 835 x 1340	
17	Wheelbase, mm	1360	
18	Seat height, mm	850	
19	Ground clearance, mm	230	
20	Rake angle, degrees	27	
21	Minimum turning radius, mm	2100	

22	Drive chain /sprockets	520H /13 /45	
23	Brakes (front /rear)	Hydraulic disc /hydraulic disc	
24	Brake controls (front /rear)	Hand lever /foot pedal	
25	Wheel rim type (front /rear)	Spoked /spoked	
26	Tyres (front /rear)	80/100-21 /120/90-18, off-road tread	
27	Front suspension	Inverted, non-adjustable, dia. 51 x dia. 54 x 800	
28	Rear suspension	Single adjustable shock, 445	
29	Footpeg-to-seat distance, mm	537	
30	Headlight	Fitted	
31	Tail light	Fitted	
32	Turn indicators	Fitted	
33	Carburettor model	PZ30	
34	Fuel tank capacity, L	9	
35	Exhaust	Silenced straight-through	
36	Frame type	Tubular /plate construction	
37	Swingarm material	Steel	
38	Rated load, kg	75	
39	Dry weight, kg	118	
40	Packed gross weight, kg		
41	Packaging	Steel frame + carton	
42	Packing dimensions (L x W x H), mm	1750 x 460 x 870	
43	Container loading quantity	99	

9.2Vibration hazards:

Left handbar: 6.577m/s^2 (U=0.962m/s^2,k=2)
Right handbar:4.501m/s^2 (U=0.696m/s^2,k=2)
Seat:9.926m/s^2 (U=0.731m/s^2,k=2)

9.3Noise emissions:

Vehicle model number and other identifying information: (e.g. Dirt bike, Model Q36. stationary mode with engine running at the 50 ± 5 % of manufacturer's rated engine speed at which it develops its rated power, see A.2) The sound levels below are for illustrative purposes only		
DECLARED DUAL-NUMBER NOISE EMISSION VALUES in accordance with ISO 4871:2009		
	Stationary	
Measured A-weighted sound power level, L_{WAd} (ref.1 pW), in dB	/	
Uncertainty, KwA, in decibels	/	
	Stationary (Operator)	Stationary (Passenger)
Measured A-weighted emission sound pressure level, L_{pAd} (ref. 20 µPa), at the operator's position, in dB	73	/
Uncertainty, KpA, in decibels	3	3
NOTE 1: Values are determined according to Annex A of EN 16029:2012 NOTE 2: The sum of measured noise emission value and its associated uncertainty represents an upper boundary of the range of values which is likely to occur in measurements. NOTE 3: The measured noise levels are for stationary vehicles and do not take into account noise, while travelling.		

SECTION 10 Principle Diagram

10.1 Circuit Diagram

WIRING DIAGRAM

MODEL-SPECIFIC INFORMATION

For the current English wiring diagram for your CAG 250, contact an authorised Crossfire Motorcycles dealer or Crossfire Motorcycles customer support.

Always identify the exact model and VIN before electrical work.

Do not alter wiring without the correct model-specific diagram.

⚠

Note: The circuit wiring diagram is the reference wiring diagram of the company's basic configuration status. If there are any discrepancies or other changes, please contact the distributor or related after-sales service outlets!

SECTION 11 Warranty Service

The Warranty certificate and a copy of the original retail sales receipt MUST be returned to tradesman within ten days to active the

warranty for your product.Warranty claims CANNOT be fulfilled until this information is on file.
Please read below the terms:

Reserving this certificate and original retail sales receipt, and repairing the motorcycle with them.
.If owner changed the parts to result in damaging them, we will not answer for everything.
If being modified or not clear, this warranty certificate is inefficacious.

11.1 Warranty Certificate

Product Model:
Date Of Purchase:
Frame No:
Engine NO:
Owners Name:
Address:
State/Province:/
Phone:
Fax:
Email:
Dealer's Name:
Dealer information
Address: State/Province: / Country:
Phone: Fax: Email:
Signature or Seal of Service Mgr:

Signature or Seal of Date:

Registration List of Changing Parts:

Please service manager write down::

Date	Type of service	Name of changing parts	Quantity &specification	Fee	Signature of the Officer	Owner Signature

NOTICES!!

PLEASE FOLLOW ALL LOCAL LAWS TO RIDE VIHICLE

PLEASE READ OWNER'S MANUAL

TO MAKE SURE YOU FULL UNDERSTAND HOW TO OPERATE THIS MOTORYCLE

PLEASE KNOW ALL SATETY,WARNING AND CAUTION MESSAGES ABOUT DIRT BIKE

			
Read the instruction manual	Passengers are not allowed	It is not allowed to be used on highways	Helmets and protective gear are required

Thank you for choosing this product.wish you a pleasant use!

Yongkang Shangye Industry and Trade Co., Ltd

No. 361, Xicheng Street, Yongkang City, Jinhua City, Zhejiang Province, China