



MORE FUN.



450NK

Owner's Manual

Read this manual carefully.

It contains important safety information.
Make sure operator holds a valid driver license.
Passengers under 12 are prohibited.



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FOREWORD

Thank you for purchasing a CFMOTO vehicle, and welcome to our world-wide family of CFMOTO enthusiasts. Be sure to visit us online at www.cfmoto.com for the latest news, new product introductions, upcoming events, and more.

CFMOTO is an international company that specializes in the development, manufacture, and marketing of motorcycles, e-motorcycles, e-bicycles, all-terrain vehicles, utility vehicles, large displacement motorcycles, and their core components. Founded in 1989, CFMOTO is devoted to the development of independent brand cultivation and R&D innovation.

CFMOTO products are currently distributed through more than 2000 companions worldwide in more than 100 countries and regions. CFMOTO is edging into the advanced ranks in the world of powersports, and aims to supply superior products to dealers and fans globally.

For safe and enjoyable operation of your vehicle, be sure to follow the instructions and recommendations in this owner's manual. Your manual contains instructions for minor maintenance. Information about major repairs is outlined in the CFMOTO Service Manual.

Your CFMOTO dealer knows your vehicle best and is interested in your total satisfaction. Be sure to return to your dealership for all of your service needs during, and after, the warranty period.

The information in this manual includes the most current product information available at the time of publishing and may contain product information that does not apply to your particular market. The instructions contained in this publication are not legally binding. CFMOTO reserves the right to modify or completely delete technical instructions, service instructions, maintenance instructions, prices, colors, shapes, materials, designs, configurations and similar content without prior notice and without reason. Due to continuous improvements in the design and quality of production components, minor discrepancies may result between the actual vehicle and the information provided within. No liability can be accepted for omissions, deviations, inaccuracies, printing defects or errors in the delivery method, drawings and instructions. Any reproduction or reuse of the images, descriptions and/or procedures within, whether

FOREWORD

whole or in part, is expressly prohibited without written permission from the copyright holder.

Before every ride, please inspect your vehicle and follow the basic maintenance procedures before riding.

Please keep this manual together with your vehicle, even when transferring the vehicle to others.

Zhejiang CFMOTO Power Co., Ltd reserves the final explanation rights of the owner's manual.

This manual is for the following vehicles: CF400-7US

DANGER

Operating, servicing and maintaining on-road or off-road vehicles can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information, go to: www.p65warnings.ca.gov

EVAP System (Evaporative Emission Control System)

(If equipped)

When required by environmental emissions regulations, this vehicle is manufactured with a fuel evaporation system (EVAP) to prevent fuel vapors entering the atmosphere from the fuel tank and fuel system.

During routine maintenance, visually inspect all hose connections for leaks or blockage. Ensure the hoses are not clogged or kinked, which could damage the fuel pump or distort the fuel tank. No other maintenance is necessary.

Contact your dealer if repair is required. Do not modify the EVAP system. Modifying any part of this system will violate environmental emissions regulations.

FOREWORD

Catalytic Converter

CAUTION: Please pay attention to the following to protect your catalytic converter:

- Use only unleaded gasoline. Even gasoline that contains a little lead could damage the reactive metals contained in the catalytic converter and disable it.
- Never add rust preventive oil or engine oil into the muffler. Doing so could damage the catalytic converter.

NOTE

Some features described within this manual may not apply to models sold in North America.

All descriptions and directions given are from the operator's perspective when properly seated.

Information in this publication is based on the latest production available at the time of approval for printing.

CFMOTO reserves the right to make changes at any time without notice and without incurring any obligation.

FOREWORD

Signal Words

A signal word calls attention to a safety message or messages, a property damage message or messages, and designates a degree or level of hazard seriousness. The standard signal words in this manual are **DANGER**, **WARNING**, **CAUTION** and **NOTE**.

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual:

DANGER

This safety alert and icon indicates a potential hazard that may result in serious injury or death.

WARNING
--

This safety alert and icon indicates a potential hazard that may result in minor or moderate personal injury and/or damage to the vehicle.
--

CAUTION
--

This safety alert and icon indicates a potential hazard that may result in damage to the vehicle.

NOTE:

A note or notice will alert you to important information or instructions.

FOREWORD
READ THE OWNER'S MANUAL
FOLLOW ALL INSTRUCTIONS AND WARNINGS

 WARNING

Read, understand, and follow all of the instructions and safety precautions in this manual and on all product labels. Failure to follow the safety precautions could result in serious injury or death.

 WARNING

The engine exhaust gas from this product contains CO, which is deadly and can cause headaches, giddiness, loss of consciousness, or even death.

INTRODUCTION

Thank you for purchasing a CFMOTO vehicle, and welcome to our world-wide family of CFMOTO enthusiasts. For safe and enjoyable operation of your vehicle, be sure to follow the instructions and recommendations in this owner's manual. Information about major repairs are outlined in the CFMOTO Service Manual, and should only be performed by a CFMOTO service dealer and technician. Be sure to return to your dealership for all of your service needs during, and after, the warranty period.

If you have questions or concerns about your vehicle:

All questions or concerns related to your vehicle should be directed to your local CFMOTO dealer first. Your dealer knows your vehicle best and is interested in your total satisfaction. In the event your local dealer is unable to resolve a product issue or concern, you can reach a CFMOTO customer service representative depending on the market you reside in:

For USA: Please contact CFMOTO POWERSPORTS, INC. TEL: 763-398-2690, by e-mail: info@cfmotousa.com, or online: <https://www.cfmotousa.com>. Please note that customer service does not have authority to approve or deny warranty, and cannot provide technical repair data, diagnosis, or instructions.

For CANADA: Please contact CANADA MOTOR IMPORT INC. TEL: 1-418-227-2077, or online: <https://www.cfmoto.ca/en/customer-care/>.

For a safety concern related to your Canadian vehicle, you may report your concern to Transport Canada Defect Investigation and Recalls Division by mail, telephone, or online using the contact information below:

Mailing address: Transport Canada - ASFAD, 330 Sparks Street, Ottawa, ON, K1A 0N5

TEL: 819-994-3328 (Ottawa-Gatineau area or international) or toll-free: 1-800-333-0510 (In Canada)

Online: <http://www.tc.gc.ca/recalls>

INTRODUCTION

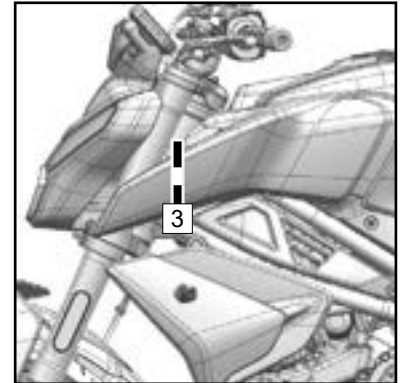
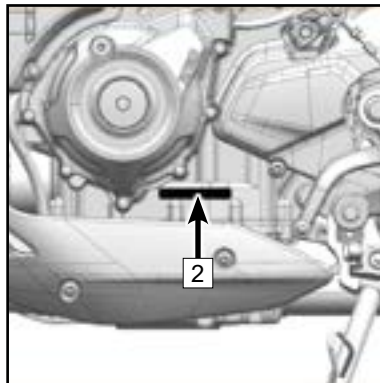
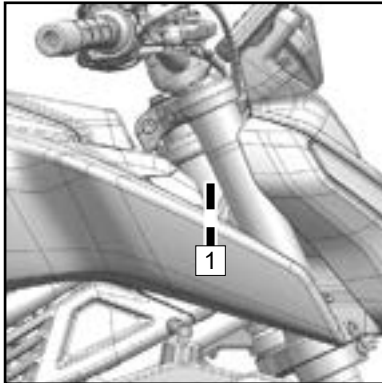
VIN AND ENGINE SERIAL NUMBER

Please record the VIN, engine serial number and name plate information in the spaces below.

Vehicle Identification Number:

Engine Serial Number:

Name Plate Number:



1	VIN	2	Engine Serial Number	3	Vehicle Plate
---	-----	---	----------------------	---	---------------

SPECIFICATIONS

	450NK
	CF400-7US
Performance	
Max power	49.6 Hp (37 Kw) / 9500 RPM
Max torque	28.8 ft-lb (39 N•m) / 7600 RPM
Min. turn diameter	16 ft (5 m)
Top designed speed	110 mph (178 km/h)
Size	
Length	78.5 in (1995 mm)
Width	31.7 in (805 mm)
Height	45.3 in (1150 mm)
Wheelbase	53.7 in (1365 mm)
Seat height	31.3 in (795 mm)
Ground clearance	7.6 in (192 mm)
Curb weight	374.8 lb (170 kg)
Engine	
Type	Twin cylinder in parallel, four stroke, liquid cooled
Displacement	449 CC
Bore×stroke	2.83 in × 2.17 in (72 mm × 55.2 mm)
Compression ratio	11.5 : 1
Starting system	Electric starter

SPECIFICATIONS

Fuel supplying system	EFI	
Ignition control system	ECU Ignition	
Lubricating system	Pressure splash	
Oil capacity	2.64 qt (2.5 L)	
Engine oil type	SAE 10W-40 JASO MA2	
Coolant capacity	40.6 oz (1200 mL) + about 6.8 oz (200 mL) (Reservoir)	
Coolant type	CFMOTO recommended organic coolant, do not use inorganic coolant	
Idle speed	1400 RPM ± 140 RPM	
Transmission		
Transmission type	6-speed, international standard gear	
Clutch type	Wet, multi disc,sliding clutch	
Driving system	Chain drive	
Primary reduction ratio	2.088	
Final reduction ratio	2.929	
Gear ratio	1 st	2.929
	2 nd	2.056
	3 rd	1.579
	4 th	1.333
	5 th	1.154
	6 th	1.037
Chassis		
Tire size	Front	110 / 70 R17 M/C 54H
	Rear	150 / 60 R17 M/C 66H

SPECIFICATIONS

Rim size	Front	MT 3.0 × 17
	Rear	MT 4.0 × 17
Capacity of fuel tank		3.7 gal (14 L)
Storage capacity of fuel tank when meter is flashing (max)		0.66 gal (2.5 L)
Average fuel consumption per 100 Km		≤1.3 gal (4.8 L)
Electric components		
Battery		12 V 12 Ah
Headlight		LED
Turning light		LED
Tail light		LED
Shock Absorbers		
Front shock absorber travel		4.7 in (120 mm)
Front shock absorber preload		Unadjustable
Front shock absorber rebound damping adjustment		Unadjustable

SPECIFICATIONS

Front shock absorber compression damping adjustment	Unadjustable
Rear shock absorber travel	2.4 in (62 mm)
Rear shock absorber rebound damping adjustment	Unadjustable
Rear shock absorber compression damping adjustment	Unadjustable
Rear shock absorber spring preload	Spring length factory setting: 6.7 in (170 mm)
	Adjustment range of the spring length: 6.4 ~ 6.9 in (163 mm ~ 175 mm)

OPERATOR SAFETY

General Safety Precautions

WARNING

Please read this manual carefully before operating the vehicle and understand all safety warnings, precautions and operating procedures.

Age Limit

This model is for adults only. The operator must acquire a driving license as required by local laws and regulations, and children under the age of 12 are not allowed to ride CFMOTO's passenger-carrying vehicles.

Know Your Vehicle

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

OPERATOR SAFETY

Equipment Modifications

CFMOTO is concerned with the safety of our customers and of the general public. Therefore, we strongly recommend that consumers should not mount on a vehicle, any equipment that may increase the speed or power of the vehicle, or make any other modifications to the vehicle for these purposes. Any modifications to the original equipment of the vehicle create substantial safety hazards and increase the risk of body injury. The warranty on your vehicle is terminated if any unapproved accessory equipment has been added to the vehicle, or if any modifications have been made to the vehicle that increase its speed or power.

NOTE:

Some equipment may change the handling and performance of the vehicle, including but not limited to side boxes, exhaust pipes, side wheels, etc. Use only approved equipment and familiarize yourself with its functions and roles on the vehicle.

Avoid Carbon Monoxide Poisoning

All engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, dizziness, drowsiness, nausea, giddiness and even death. Carbon monoxide is a colorless, odorless, tasteless gas that may be present even if you do not see or smell any engine exhaust. Deadly levels of carbon monoxide can accumulate rapidly, and you can quickly be overcome and unable to save yourself. Also, deadly concentration of carbon monoxide can remain for hours or days in enclosed or poorly ventilated areas.

To prevent serious injury or death from carbon monoxide:

- Never run the vehicle in poorly ventilated or partially enclosed areas.
- Never run the vehicle outdoor where engine exhaust can be drawn into a building through openings such as windows and doors.

OPERATOR SAFETY

Avoid Gasoline Fires and Other Hazards

Gasoline is extremely flammable and highly explosive. Fuel vapors can spread and be ignited by a spark or flame many feet away from the engine. To reduce the risk of fire or explosion, follow these instructions:

- Use an approved gasoline tank to store fuel.
- Strictly adhere to proper fueling procedures.
- Never start or operate the engine if the fuel cap is not properly mounted. Gasoline is poisonous and can cause injury or death.
- Never siphon gasoline by mouth.
- If you swallow gasoline, get any in your eye (s) , or inhale gasoline vapor, see a doctor immediately.
- If gasoline spills on you, wash with soap and water and change your clothes.

Fuel Minimum Octane Rating and Safety Warnings

The minimum recommended fuel for this vehicle is 87# octane gasoline, premium or intermediate gasoline (a maximum blend of 10% ethanol is allowed). Non-oxygenated (ethanol-free) fuel is recommended for best performance in all conditions.

OPERATOR SAFETY



WARNING

Gasoline is highly flammable and explosive under certain conditions. Allow the engine and exhaust system to cool before filling the tank. Always be highly cautious whenever handling gasoline. Always refuel the vehicle when the engine is stopped outdoors or in a well-ventilated area. Do not smoke or allow open flames or sparks in or near the area where refueling is performed, or where gasoline is stored.

Do not overfill the tank. Do not fill fuel to the tank neck.

If gasoline spills on your skin or clothing, immediately wash it off with soap and water and change clothing. Never start the engine or let it run in an enclosed area. Engine exhaust fumes are poisonous and can cause loss of consciousness or death in a short time. The engine exhaust from this product contains chemicals known to cause cancer, birth defects or other reproductive harm. Operate this vehicle only outdoors or in well-ventilated areas.

Avoid Burns From Hot Parts

The exhaust system and engine become hot during operation. Avoid touching them during and shortly after operation to avoid burns.

OPERATOR SAFETY

Owner Responsibilities

Be Qualified and Responsible

Read this Owner's Manual and the warning labels on this vehicle carefully. Take a safety training course on open areas if possible and practice at low speed. Higher speed requires greater experience, knowledge and suitable riding conditions. Be familiar with the control technology and the general operations of the vehicle.

This vehicle is an ADULT VEHICLE ONLY. The operator must acquire a driving license as required by local laws and regulations. Operators must be tall enough with physical capacity to: be properly seated, hold the handlebar with both hands, fully operate the clutch lever with the left hand, fully operate the brake lever with the right hand, fully operate the foot brake lever with the right foot, be able to firmly put both feet on the foot pegs, and be able to balance the vehicle with the feet when stopped and seated.

Carrying a Passenger

- Only carry one passenger. The passenger must be properly seated in the passenger seat.
- The passenger should be over 12 and be tall enough to always be properly seated when holding handhold, and feet firmly placed on the foot pegs.
- Never carry a passenger who has used drugs or alcohol, or is tired or ill. These slow reaction time and impair judgment.
- Instruct the passenger to read the vehicle's safety labels.
- Never carry a passenger if you think that their ability or judgment is insufficient to concentrate on the terrain conditions and adapt accordingly.

OPERATOR SAFETY

Safe Riding Gear

Always wear clothing suited to the type of riding for the driver and passenger, including:

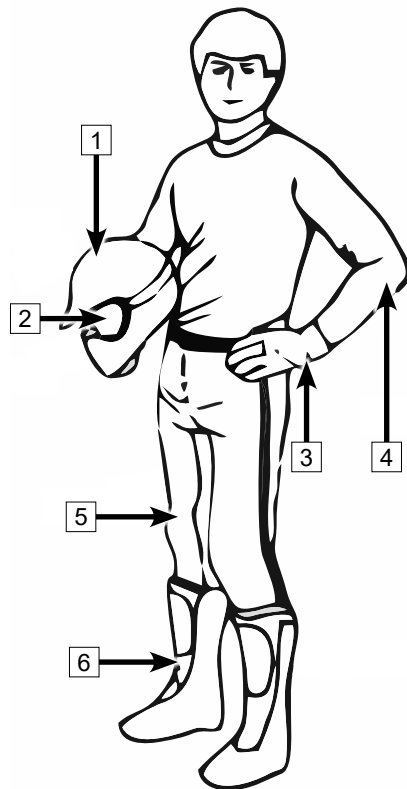
1. An approved helmet
2. Goggles
3. Gloves
4. Long-sleeved shirts or jackets
5. Long pants
6. Over-the-ankle boots

According to the actual weather, you may need extra apparel, such as anti-fog goggles, thermal underwear and a face guard for cold weather. The operator must never wear loose clothing that may get entangled in the vehicle or on tree branches and shrubs.

Helmets and Goggles

An approved helmet can prevent a serious head injury if an accident occurs. Please note that even the best helmet is no guarantee against injury.

The helmet you choose should meet the standard for your country or area, and its size should suit you. A closed-face helmet with face shield will be better at preventing impacts from insects, flying rocks, dust and scattered debris, etc.



OPERATOR SAFETY

An open-face helmet cannot offer the same protection for your face and jaw. Please wear detachable face masks and goggles when wearing an open-face helmet.

Do not depend on eyeglasses or sunglasses for enough eye protection, as they are not rated for impact protection. Debris may fly up and break a lens, causing eye injury.

Use tinted masks or goggles only during the day in bright light, do not use them at night or in poor light. They may affect your ability to distinguish colors. Do not use them if your color discrimination is affected.

Gloves

Full-finger gloves could protect your hands from wind, sun, heat, cold, and splash. Well-fitted gloves are helpful for steering and relieving hand fatigue. If the gloves are too heavy, it will be difficult to operate the vehicle.

A pair of strong motorcycle gloves offers protection for your hands in the event of an accident or turnover. Snowmobile gloves offer better protection when operating in cold areas.

Jackets, Pants and Motorcycle Suits

Wear a jacket or a long-sleeved shirt and long pants, or a full riding suit. Quality protective gear will provide comfort, and it can help you avoid being distracted by adverse environmental elements. In case of an accident, good quality protective gear made of sturdy material may prevent or reduce injury.

When riding in cool weather, protect yourself against hypothermia, a state of low body temperature that can cause loss of concentration, slowed reactions and loss of smooth, precise muscle movement. In cool conditions, proper protective gear like a windproof jacket and insulated layers of clothing are essential. Even while riding at moderate temperatures, you can feel very cold due to the wind.

Protective gear that is appropriate for cold-weather riding may be too hot when the vehicle is stopped. Dress in layers so that clothing can be removed as desired. Topping the protective gear with a windproof outer layer can prevent cold air from reaching the skin.

OPERATOR SAFETY

Boots

Always wear closed-toe, over-the-ankle boots. Sturdy over-the-ankle boots with non-slip soles offer more protection, and allow you to put your foot properly on the foot pegs. Avoid long shoelaces that could get entangled in the vehicle components. In winter, rubber-soled boots with either nylon or leather uppers and removable felt liners are best suited. Avoid rubber boots which may get trapped behind or in the foot brake pedal, impairing proper operation.

Other Riding Gear

Rain Gear

When riding in rainy weather, a rain suit or a waterproof riding suit is recommended. On long rides, it is a good idea to carry rain gear. Keeping clothes dry is beneficial for keeping operators being much more comfortable and alert.

Hearing Protection

Long-term exposure to wind and engine noise when riding can cause permanent hearing loss. Properly worn hearing protective gear such as earplugs can help prevent hearing loss. Check local laws before using any hearing protective gear.

OPERATOR SAFETY

General Information

General Precautions Before Riding

1. Passengers should be familiar with the vehicle's performance. An improperly seated passenger can impact motorcycle stability and/or control. Passengers should stay balanced and stably seated when riding. They should neither influence the driver's operating nor carry animals.
2. Do not carry luggage unless it is necessary. Package luggage as low as possible to help stabilize the vehicle. Evenly distribute luggage on both sides of the motorcycle, and avoid luggage extending too far beyond the back of the motorcycle.
3. If carrying luggage is necessary, firmly secure luggage on the motorcycle, and ensure that luggage is unmovable before riding. Re-check luggage during travel breaks. If luggage becomes unstable during the trip, stop the vehicle and re-adjust it.
4. Do not carry overloaded or oversized luggage. Overloading influences the vehicle's handling and power performance.
5. Do not mount any parts or luggage that will reduce vehicle performance. Make sure that each operation will not affect the lights, ground clearance, brake performance, side tilt, operating performance, tire compression ratio stroke, front fork or related riding performance.
6. Increased weight on the handlebar or front fork affects steering and can cause safety issues.
7. An air deflector, back or other large component will affect vehicle stability and performance. It increases the vehicle's weight and reduces the power performance. A lack of design verification may cause safety issues.
8. This vehicle cannot be modified to a side tricycle. Do not use it for towing a trailer or other vehicle. CFMOTO will not be responsible for damage or problems caused by improper modifications.

Maximum loading weight setting from the factory: 330.7 lb (150 kg) including driver, passenger, luggage and attachments

Maximum passenger number (including driver): 2 people

OPERATOR SAFETY

AVOID DANGEROUS RIDING BEHAVIORS

The following behaviors may cause serious consequences, so instructions must be followed to avoid dangerous behaviors.

Operation Errors

⚠ WARNING: Operation errors may cause serious damage to the operator, passenger and people around.

Read every instruction in this manual and be familiar with every function of this vehicle. Must participate in the safety training and know how to operate the vehicle properly in different situations and on different types of terrain.

Age Limit

⚠ WARNING: It is restricted to allow underage people to ride the vehicle and people under 12 to be passengers.

Severe injury and/or death could occur if a child under the minimum age limit operates this vehicle. Even though a child may be within the recommended age group for operating, he/she may not have the skills, abilities, or judgment needed to operate safely and could be susceptible to accidents or injuries. The vehicle can only be operated by people of legal age with safe driving skills and the required license.

Illegal Carrying

⚠ WARNING: It is restricted to carry more passengers than allowed.

Carrying more passengers than allowed is illegal and will much affect the vehicle's riding performance and may cause serious accidents.

OPERATOR SAFETY

Riding on Unpaved Roads

 **WARNING: The vehicle must not ride on unpaved roads.**

The tires of this vehicle are designed for paved roads. They are unsuitable for use on unpaved roads, such as sandy, muddy and dirt roads. Driving on unpaved roads will seriously affect vehicle handling, which can greatly increase the risk of accidents. If it is impossible to avoid short periods of driving on unpaved roads, reduce your speed and ensure that you do not make sharp turns, brake suddenly, etc.

Safe Riding Gear

 **WARNING: Riders must wear an approved helmet, goggles and protective clothing when riding.**

Unapproved helmets increase the risk of head injury and death in the event of an accident. Failure to use goggles increases the risk of eye injury and death in the event of an accident. Always wear a whole set of gear to reduce accidents and increase your own protection.

Drinking and Medication

 **WARNING: Do not operate a vehicle under the influence of alcohol, medication or drugs.**

Drinking, taking medication and taking drugs will seriously affect drivers' judgment and reaction ability, as well as their perception and balance, which will greatly increase the incidence of accidents. Do not operate vehicles after drinking, taking medication or taking drugs.

Speeding

 **WARNING: No speeding.**

Speeding increases the risk of losing control of the vehicle, leading to accidents. Choose your driving speed based on vehicle load, terrain, visibility, driving conditions, and never exceed the maximum speed.

OPERATOR SAFETY

Stunts

WARNING: Do not try stunts.

All stunts are dangerous, including but not limited to slippery tires, jumping, side-slip, front wheel upturn, etc. Stunt or demonstration riding can result in serious accidents. Always use normal driving methods.

Inspections and Maintenance

WARNING: Check vehicle conditions before riding and service the vehicle regularly.

Checking vehicle conditions before riding can reduce the probability of accidents. Maintain the vehicle regularly to ensure the equipment is in good condition. Please follow the instructions for inspection and before driving and regular maintenance.

Lift Hands and Feet From the Vehicle

WARNING: Do not lift your hands off the handlebars or your feet off the pedals when riding.

Even leaving with only one hand or foot can reduce your ability to control the vehicle or cause you to lose your balance and fall off from the vehicle. If the driver's feet are not firmly put on the pedal, they may be unable to operate the brake or accelerator in time or may be influenced by external environmental factors, resulting in an accident.

Tire Size

WARNING: Do not use tires with wrong gauge, wrong tire pressure or uneven tire pressure.

Wrong tires may cause accidents. It is forbidden to use wrong tires. Check the tire pressure regularly to ensure that the tires are always within the normal pressure range.

OPERATOR SAFETY

Modifications

 **WARNING: Any non-standard modifications are prohibited.**

Any modifications will affect vehicle handling, which can lead to accidents. It is prohibited to mount any equipment which would increase the speed or power of the vehicle, or to make any other modifications to the vehicle for these purposes. All equipment and accessories added to the vehicle must be original or designed for use on the vehicle.

Keys

 **WARNING: Do not leave keys on the vehicle. Lock the stem lock before leaving the vehicle.**

Keys left on the vehicle may result in unauthorized use of the vehicle, causing an accident or property damage, so please take away the key when the vehicle is not in use.

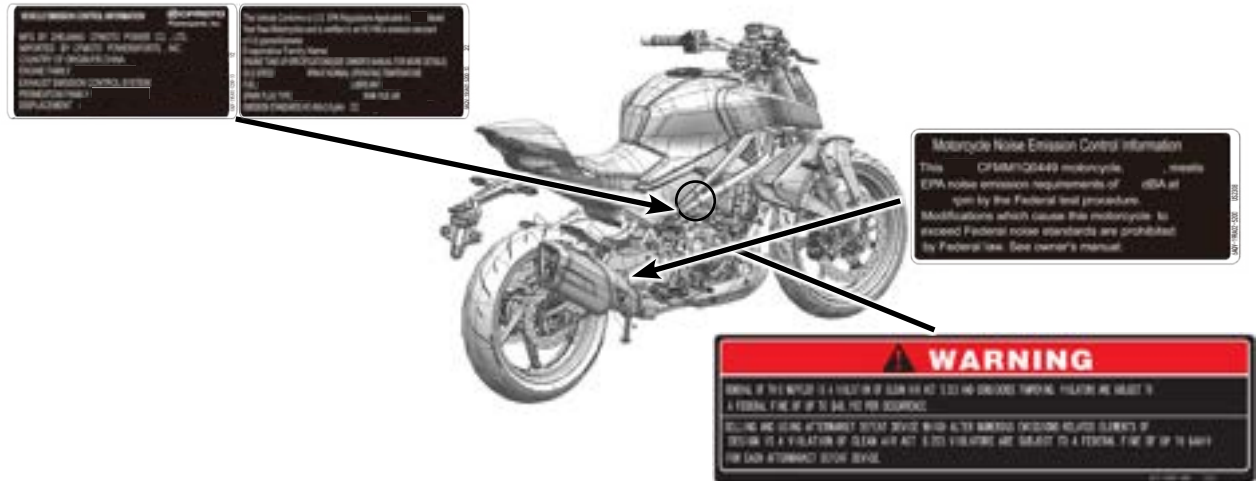
Dangerous Transportation

 **WARNING: Do not transport flammable, explosive or other dangerous goods.**

Transportation of dangerous goods may cause serious injuries or accidents.

SAFETY DECALS AND LOCATIONS

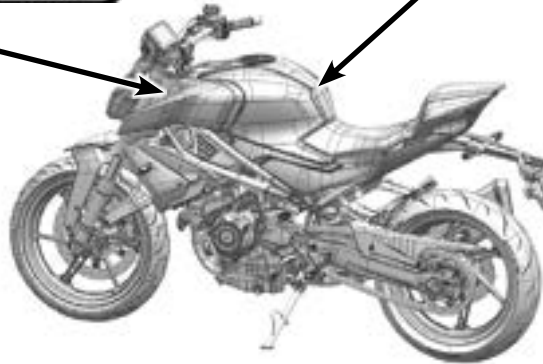
Read and understand all of the safety and information labels on your vehicle for safe and proper operation. Never remove any labels from your vehicle. If a label becomes difficult to read or falls off, a replacement is available from your CFMOTO dealer.



SAFETY DECALS AND LOCATIONS

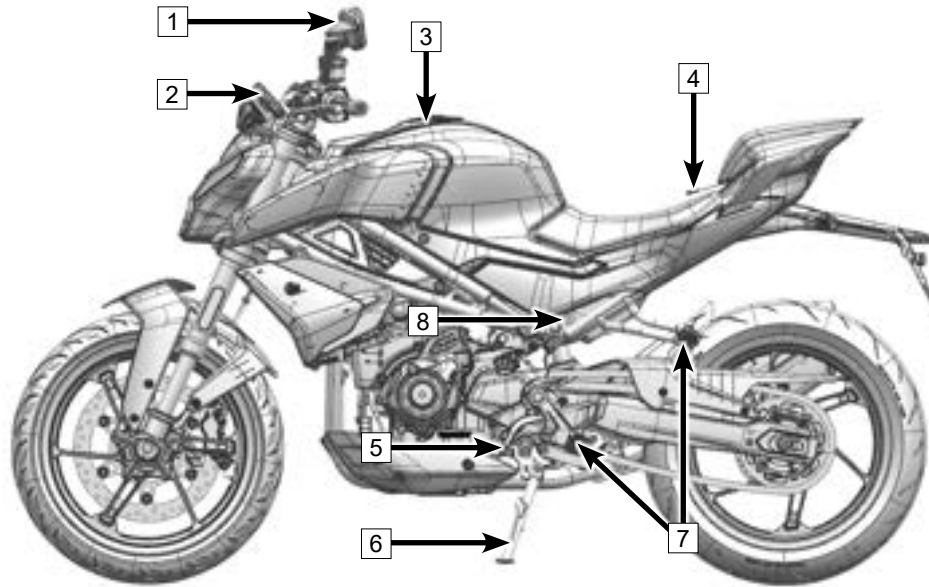
MANUFACTURED BY: ZHEJIANG CFMOTO POWER CO., LTD.				
DATE OF MFG		QUALITY		OWNER
GARR		TIRE-DIMENSION		RIM
FRONT		COLOR		
REAR				
THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.				
VIN		TYPE OF VEHICLE: MOTORCYCLE		

WARNING
• BEFORE YOU OPERATE THIS VEHICLE, READ THE OWNER'S MANUAL AND ALL LABELS. • ALWAYS WEAR AN APPROVED MOTORCYCLE HELMET, EYE PROTECTION, AND PROTECTIVE CLOTHING. • DO NOT TOUCH OVERHEATED, ROTATING PARTS SUCH AS EXHAUST PIPE, ENGINE, WHEEL AND ECT. • PLEASE SLOW DOWN ON POOR VISIBILITY AND SLIPPERY ROAD.
PREMIUM UNLEADED GASOLINE 87 OR HIGHER
6731-190092-6600



VEHICLE VIEW

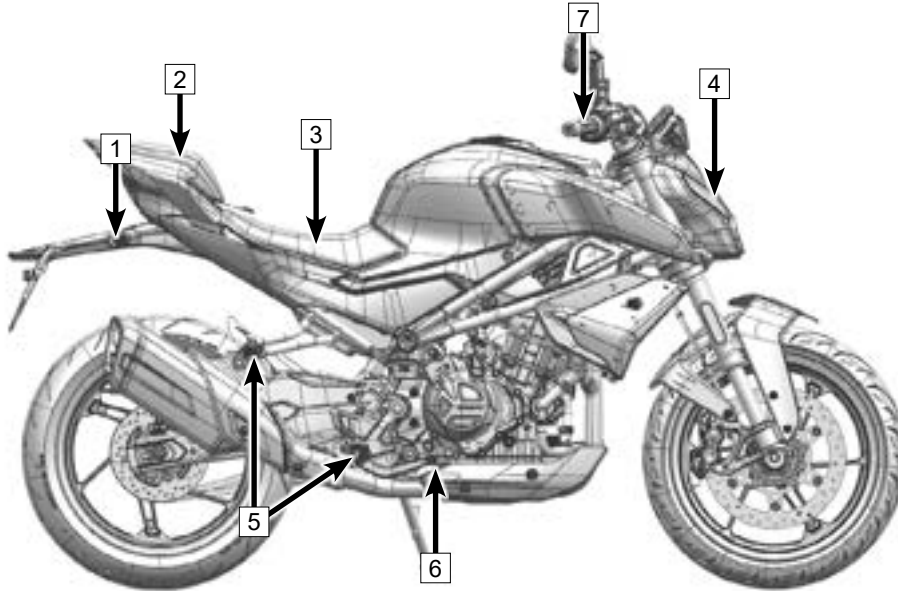
Left View



- 1: Rearview Mirror
- 2: Instrument
- 3: Fuel Tank Lock
- 4: Passenger Handhold
- 5: Gearshift Lever
- 6: Side Stand
- 7: Footrest Kit
- 8: Seat Lock

VEHICLE VIEW

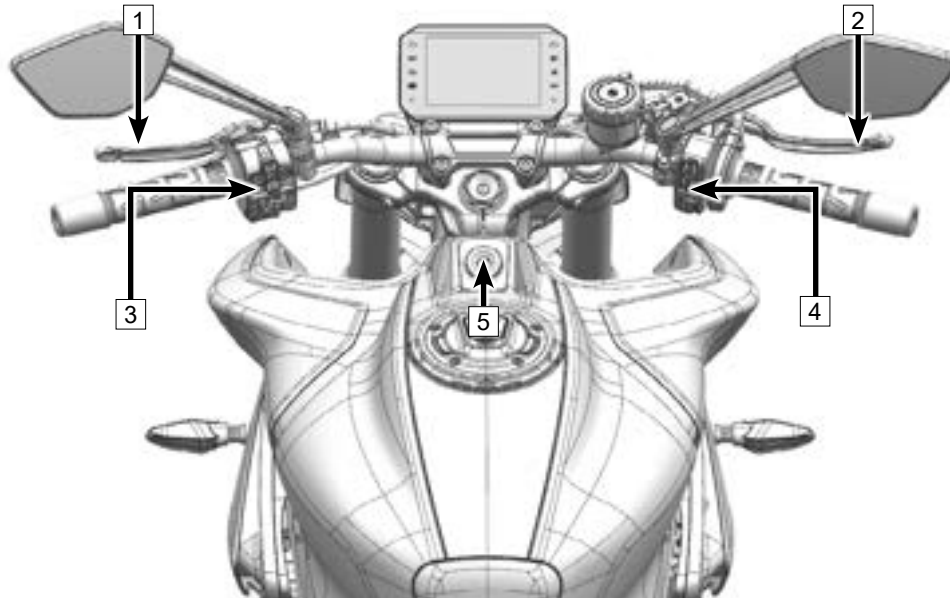
Right View



- 1: Rear Turn Lights
- 2: Passenger Seat
- 3: Driver Seat
- 4: Headlight
- 5: Footrest Kit
- 6: Rear Brake Pedal
- 7: Throttle

VEHICLE VIEW

Top View



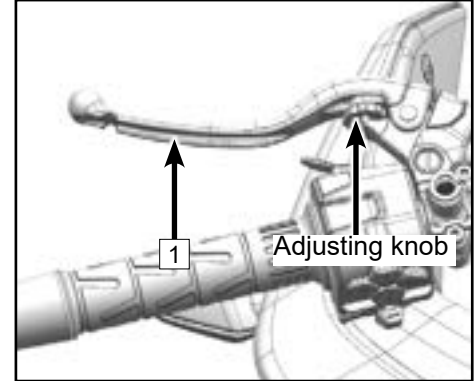
- 1: Clutch Lever
- 2: Front Brake Lever
- 3: Handlebar Switch, LH
- 4: Handlebar Switch, RH
- 5: Ignition Switch

CONTROLS & FEATURES OPERATING PARTS

Clutch Lever

Clutch lever **1** is on the left side of handlebar. The clutch is a cable clutch.

Adjust the clutch lever's distance to the handlebar by turning the clutch lever adjusting knob.

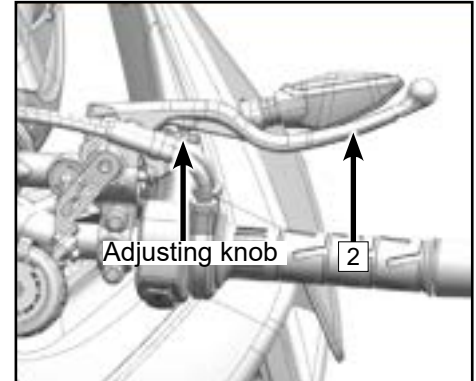


Front Brake Lever

Front hand brake lever **2** is on the right side of the handlebar. Using this lever activates the front brakes.

Adjust the brake lever's distance to the handlebar by turning the brake lever adjusting knob.

NOTE: The adjustment range of the brake lever and the clutch lever is limited. Rotate each knob only by hand and not abruptly. Do not adjust knobs while riding on the road.



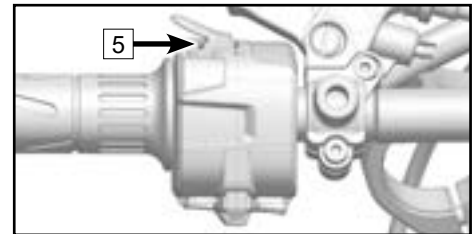
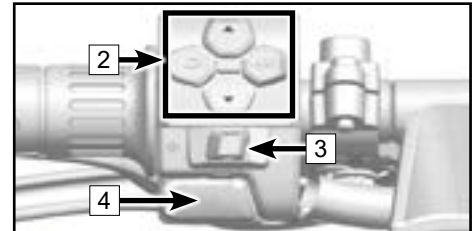
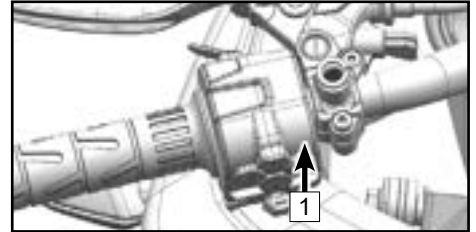
CONTROLS & FEATURES

Handlebar Switch, LH

Left handlebar switch **1** is on the left side of the handlebar.

Functions of Left Handlebar Switch

2	Instrument button	Instrument operations are detailed in the instrument section of the manual.	
3	Turn light switch		Pushing this switch to the right activates the right turn light.
			Pushing this switch to the left activates the left turn light.
		OFF	Push this switch to cancel the turn light.
4	Horn button		Press and the horn will sound.
5	Dimmer push switch		Press this button to flash the headlights.
			Turn to this position to activate high beam headlights.
			Turn to this position to activate low beam headlights.



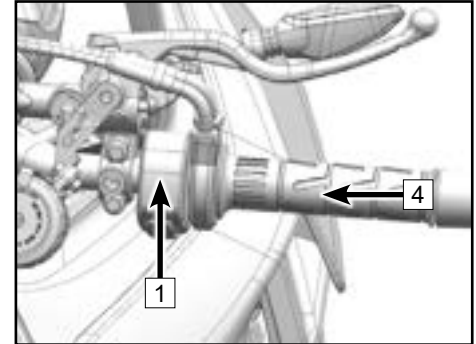
CONTROLS & FEATURES

Handlebar Switch, RH

Right handlebar switch [1] is on the right side of the handlebar.

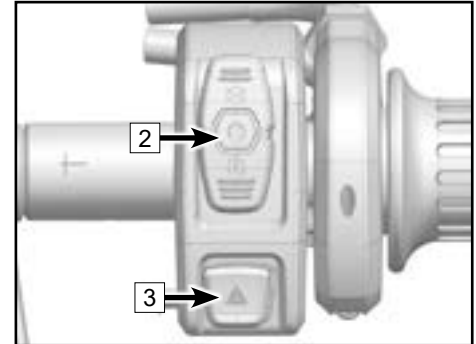
Functions of Right Handlebar Switch

[2]	Start and stop switches		Turn to this position to shut off the vehicle.
			Turn to this position to prepare the vehicle for starting.
			Turn to this position to start the vehicle.
[3]	Hazard flasher switch		Press to turn on the hazard flasher light.



Throttle

Throttle [4] is on the right side of the handlebar.

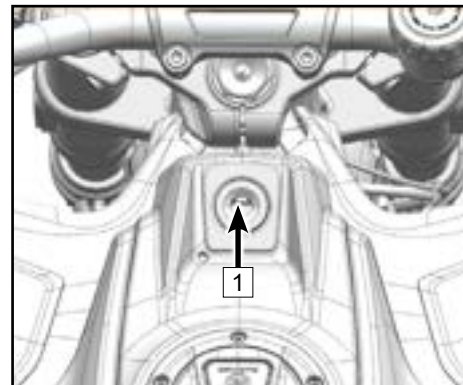


CONTROLS & FEATURES

Locks

Ignition Switch 1

Handlebar lock		Turn the handlebar to the left, and then turn the key to the lock indicator to lock the handlebar.
Stop		Turn the key to this position to stop the engine and disconnect the vehicle's power circuits.
Start		Turn the key to this position to start the engine and connect the vehicle's power circuits.



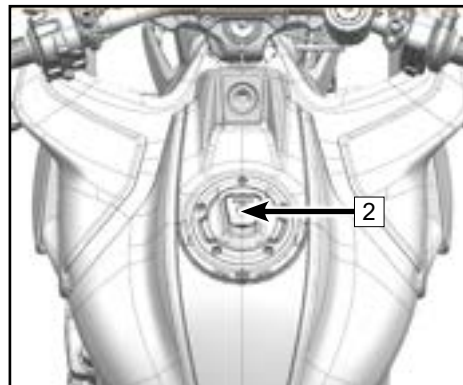
Fuel Tank Lock 2

Before opening the fuel tank lock: The vehicle must be stopped and the engine must be turned off.

Open the fuel tank lock cover.

Insert and turn the key to release the lock.

Open the fuel tank cap.



WARNING

Confirm that the fuel tank cap is locked after it is closed.

CONTROLS & FEATURES

Seat Lock

The seat lock **1** is on the left side of the vehicle.

The rear seat can be removed by inserting the ignition key and turning it to release the lock.

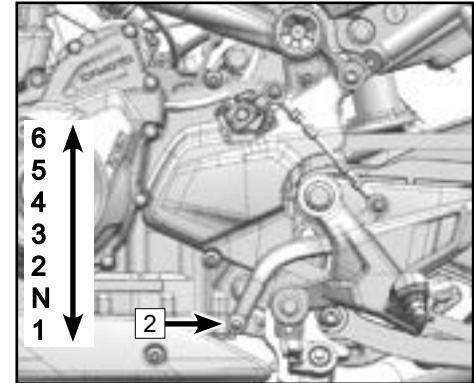
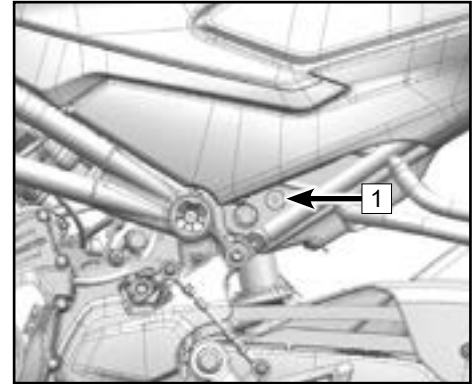
Removal of the driver seat is covered in the Battery Removal section of this manual.

Lock Keys

Store the spare key in a safe place. Keys can be duplicated only by mating a key blank with one of your existing keys. If both keys are lost, complete lock assemblies must be replaced.

Gearshift Lever

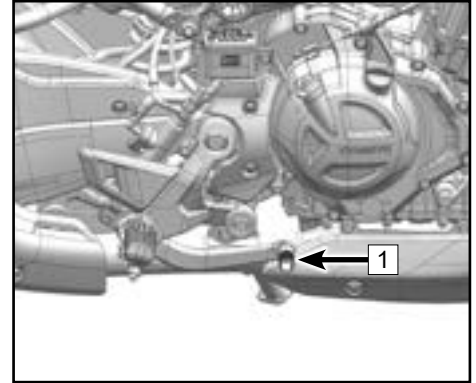
The gearshift lever **2** is on the left side of the engine. Use this lever to shift transmission gears.



CONTROLS & FEATURES

Rear Brake Lever

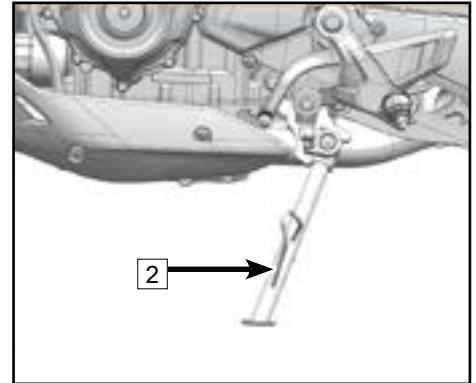
The rear brake lever **1** is on the right side of the engine. Step on the rear brake lever to slow or stop the vehicle.



Side Stand

The side stand **2** is on the left side of the vehicle, and it is used for parking.

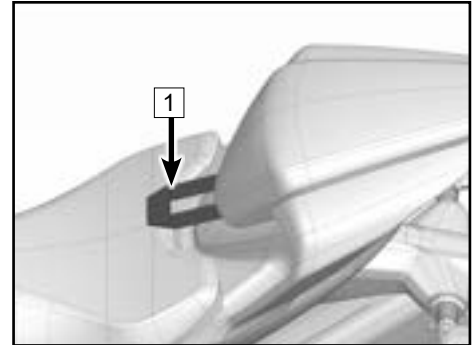
When the side stand is lowered, the vehicle can be started only with the transmission in neutral.



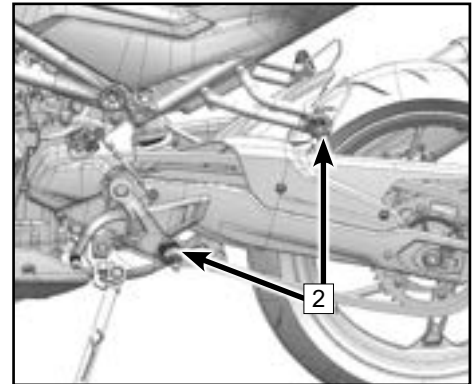
CONTROLS & FEATURES

Passenger Handhold and Footrests

A passenger handhold **1** is mounted on the motorcycle and can be held by a passenger.



Footrests **2** are mounted on the motorcycle for the operator and a passenger.



CONTROLS & FEATURES INSTRUMENT

NOTE

Due to function, adjustment and version updates of the instrument and renewed vehicle configurations by market, some contents of the instrument may change. Please selectively refer to this section according to your vehicle.

Instrument

The instrument is mounted on the front of the handlebar and is divided into two function areas:

1: Instrument Indicators

2: Instrument Display

Activation and Testing

Activation

The instrument is activated synchronously when the motorcycle is powered on.

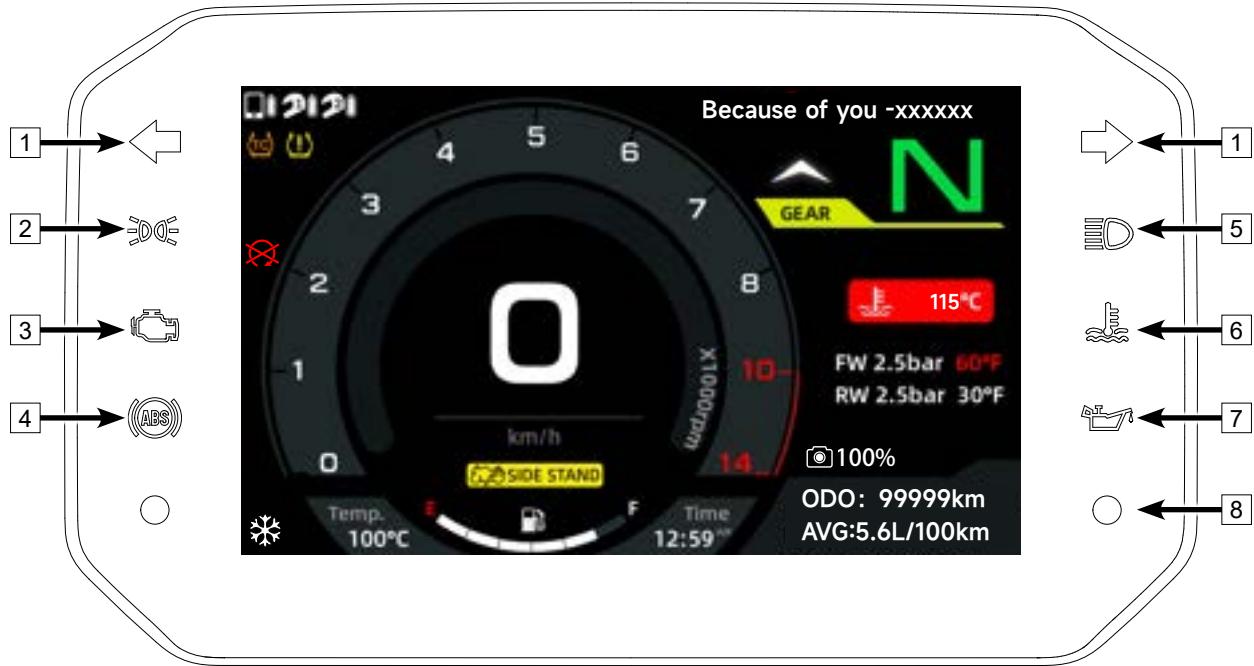
Testing

Upon activation, the instrument goes into self-inspection mode, in which a start-up animation displays and indicator lights are turned on. At this time, the selection button will not respond until the self-inspection has completed.



CONTROLS & FEATURES

Instrument Indicators



CONTROLS & FEATURES

Number	Symbol	State	
1		Flash	When turn signal indicators are flashing, the corresponding turn lights are on.
2		On	When the position light indicator is on, the position light is turned on.
3		On	When the vehicle is powered on and the engine is off, the fault indicator is on. If the engine is running but the fault indicator is on, then the vehicle has detected a fault. When this fault indicator is on, please park the vehicle in line with local laws and regulations, and contact an authorized CFMOTO service center.
4		On	When the vehicle is powered on, the ABS indicator will be on, which is a normal phenomenon. When vehicle speed exceeds 3 mph (5 km/h), the indicator will turn off. If there is an ABS fault, the ABS indicator will be on, and at this time the ABS system will stop working, but general braking functions may still play their roles. Please reduce speed, avoid sudden braking and timely contact an authorized CFMOTO service center.
5		On	When the high beam indicator is on, the high beam light is turned on.

CONTROLS & FEATURES

6		On	When the coolant temperature is higher than 115°C, the coolant temperature warning indicator will be turned on. Please park the vehicle according to local laws and regulations, and wait for the coolant temperature to drop. If this indicator turns on frequently, contact an authorized CFMOTO service center.
7		On	When the oil pressure indicator is on, the oil level is too low, so please replenish or replace the engine oil in time to avoid any engine damage or fault.
8			When the brightness control indicator is enabled, the instrument automatically adjusts its brightness according to the ambient light.

Instrument Display

CONTROLS & FEATURES



Stop Indicator Light

When the stop indicator light is on, the stop switch is turned off and the vehicle is off.

Gear Display

Current gear is displayed here. Neutral gear is displayed in green.

Engine RPM

The unit of engine speed is 1000 revolutions per minute.

During the break-in period, avoid high engine speeds. Engine speeds approaching the red zone can shorten engine life, so avoid these speeds at all times. Avoid other high engine speeds until the engine has warmed up.

Clock

The current time is displayed here.
Set the current time through the menu.
Switch between a 12-hour clock and a 24-hour clock through the menu.

Bluetooth

Bluetooth is used to connect mobile phones and helmets.

When a user's mobile phone / helmet is connected to the motorcycle's instrument through Bluetooth, the area will display the mobile logo, helmet logo (helmet 1 and helmet 2), and remaining power of the mobile phone, helmet 1 and helmet 2.

Functions of music and calling can only be used when the phone/helmet is properly connected to the motorcycle.

CONTROLS & FEATURES



Upshift Alert

You can enable the Upshift Alert in the menu. It will remind you to change gears when the engine speed reaches the recommended gear-shifting range.

Information 1

You can select a message from the menu to be displayed here.

Optional Information 1: ODO, TRIP1, TRIP2.

Information 2

You can select a message from the menu to be displayed here.

Optional Information 2: Range, Voltage, Instant fuel, Time, Average fuel, Average speed.

Side Stand Indicator

When the side stand is used, its indicator light is on. At this time, the motorcycle cannot be started in gear. The vehicle can be started only in neutral.

Ambient Temperature

The current external temperature is displayed here.

Celsius °C and Fahrenheit °F can be switched through the menu.

An icing warning appears when the ambient temperature is below 41°F (5°C) for a long time, and it indicates an increased risk of slippery roads.

CONTROLS & FEATURES



Speed

The current speed is displayed here.

Metric km/h and imperial mph can be switched through the menu.

Traction Control Indicator

It is normal for the TC indicator (TC) to be on when the vehicle is powered on. If TC is not enabled, and riding speed exceeds 3 mph (5 km/h), the TC indicator light turns off and will not light up again at this time. The TC indicator light flashes during riding when TC is enabled.

The TC off indicator (TC) appears when TC is off.

The TC fault indicator (TC!) will be on if a fault occurs. When TC has a fault, please contact a CFMOTO dealer for inspection.

CONTROLS & FEATURES



Tire Information Display

Front and rear tire pressure and the tire temperatures are displayed here.

Fuel Level

Fuel is displayed using several bars. More bars mean more fuel remains. When the fuel symbol turns yellow, the fuel level is low. At this time, please replenish fuel soon. Insufficient fuel may cause damage to the fuel pump.

Tire Pressure Indicator

Tire pressure indicator will be on when tire pressure is abnormal or it does not receive a tire sensor signal. When this indicator is on, please stop the vehicle and inspect the pressure and condition of the tires. If an abnormal condition (tire wear and bulge) is found, please contact a CFMOTO dealer for service. If tire condition appears normal, please drive slowly, keep tire pressure at specification, and service the tires soon. If there is no tire sensor signal, please stop the vehicle, thoroughly inspect the front and rear tires, and contact a CFMOTO dealer for inspection.

NOTE: Inspect tire pressure when the tires are cold.

CONTROLS & FEATURES



Music / Calling

When the instrument plays music via a connected mobile phone, this area will display the current music. When playing music, users can select the priority of calls. Press ENT on the LH handlebar to answer a call, and press ↶ on the LH handlebar to hang up.

Coolant Temperature

The current coolant temperature is displayed here. When the area turns red, the coolant has reached a dangerous temperature.

⚠ WARNING

Extreme temperatures may damage the engine. If the coolant reaches a dangerous temperature, please park the vehicle in line with local laws and regulations, and wait for the coolant temperature to drop. Please replenish coolant to its proper level after the cooling system has totally cooled. Under normal riding conditions, if the coolant frequently reaches the dangerous temperature, please timely contact an authorized CFMOTO service center.

CONTROLS & FEATURES



Sports Camera (Select Markets)

This feature records riding moments. It can be used only on vehicles equipped with a T-BOX, and it is only for Insta x3 (launch permission selectively). Users can pay the fee via the CFMOTO RideSync App (monthly/half-yearly/yearly).

Make sure the vehicle is connected to the camera effectively via Bluetooth.

Main functions:

1. Start shooting: When the sporting camera is connected to the vehicle, long press the switch button ▽ on the LH handlebar for > 1 second, which can help to realize the pre-set function of recording/shooting.
2. Stop shooting: When the camera is shooting, to long press the switch button ▽ on the LH handlebar for >1 second, which could stop the shooting.
3. Connection: When the equipment is connected, the UI interface will display the connecting conditions and remaining power of the sporting camera.
4. Shooting state display: The camera icon on the dashboard will turn red with a breathing blinking effect, to remind the users of the changes in the shooting condition.
5. Delivery of vehicle information: riding information (speed, gear, RPM, vehicle body tilt tendency, riding track, etc.) can be transmitted via Bluetooth. When editing the video, a CFMOTO module is available.

CONTROLS & FEATURES

Instrument Menu

Adjust instrument settings through the instrument menu to optimize the riding experience.

Press menu button on the left handlebar switch to enter the instrument menu.

WARNING

The menu mode is only allowed when the motorcycle is parked and safe.

The menu button is on the left handlebar switch and is used to operate relevant functions of the instrument.



CONTROLS & FEATURES

For Main interface: press it to switch Optional Info 1 and long press it to reset trips.

For the first-level menu, second-level and lower menu: press it to select the prior choice.

For Music: at the main interface, press it to increase the volume and long press it to select the prior song. On the Menu interface, press it to increase the volume and long press it to select the prior song.

When on the phone: press it to increase the volume.

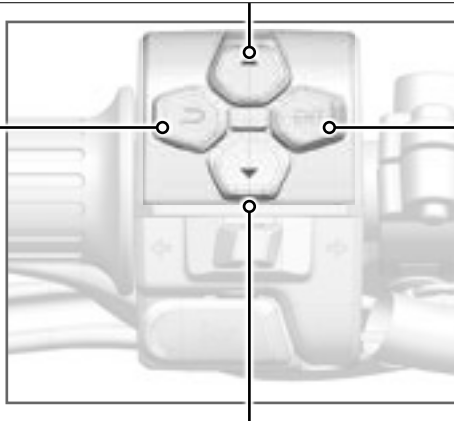
For Main Menu: press it to clean the popup window.

For the first-level menu, second-level and lower menu: Press it to return to the prior menu.

For Calling: press it to hang up the phone.

For projection screen: press it to return to the projection screen interface.

For Music: press it to return to the main interface.



For Main interface: press it to enter the first-level menu, long press it to play the song. (When the Bluetooth is connected).

For the first-level menu, second-level and lower menu: press it to enter the next menu or to confirm the choice.

For Calling: press it to answer the call.

For Music: at the main interface, press it to enter the prior menu, and long press it to pause or play.

For music: On the Menu interface, press it to pause or play .

For Main interface: press it to select Optional Info 2.

For the first-level menu, second-level and lower menu: press it to enter the next menu.

When on the phone: press it to decrease the volume.

For Music: at the main interface, press it to decrease the volume, and long press it to select the next song. For music: On the Menu interface, press it to decrease the volume, and long press it to select the next song.

NOTE: The priority of buttons is calling, music and then others.

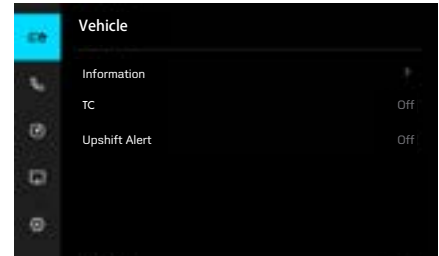
CONTROLS & FEATURES

Vehicle Setting

Users can inspect, adjust, and set the following items in the setting menu.

Inspection items: Information (Basic info, ODO, TRIP, Malfunction, Maintenance).

Adjustment and set items: TC, Upshift Alert.



CONTROLS & FEATURES

Vehicle Information - Basic Information

On the basic information interface, you can check battery voltage, range, coolant temperature, and tire pressure and tire temperature.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Vehicle information**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Basic information**, press ENT to enter the basic information, and press ENT again to close the basic information.



CONTROLS & FEATURES

Vehicle Information - ODO Information

On the ODO information interface, you can check the total mileage, driving time, speed and fuel consumption.

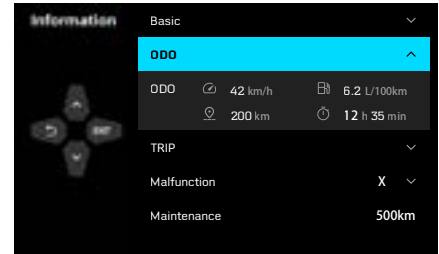
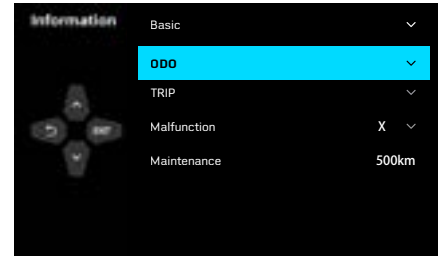
Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, press ENT to enter.

Press $\triangle$ or ∇ to select the **Vehicle information** interface.

Press $\triangle$ or ∇ to select the **ODO information**, press ENT to open the ODO information, press again to close the ODO information.

NOTE: Odometer information cannot be reset.



CONTROLS & FEATURES

Vehicle Information - TRIP Information

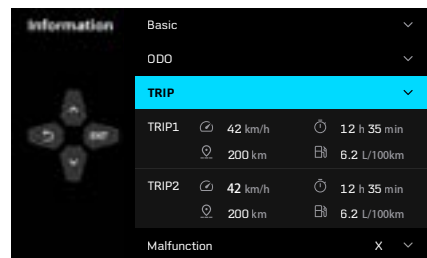
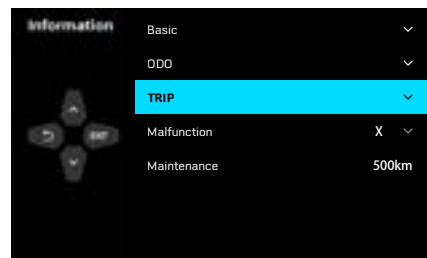
On the TRIP information interface, you can check the TRIP1 mileage, TRIP 2 mileage, riding time, speed and fuel consumption.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, press ENT to enter.

Press $\triangle$ or ∇ to select **Vehicle information**, press ENT to enter.

Press $\triangle$ or ∇ to select **TRIP information**, press ENT to open the TRIP information, press ENT again to close the TRIP information.



CONTROLS & FEATURES

Vehicle Information - TRIP Information - TRIP 1 / TRIP 2 Reset

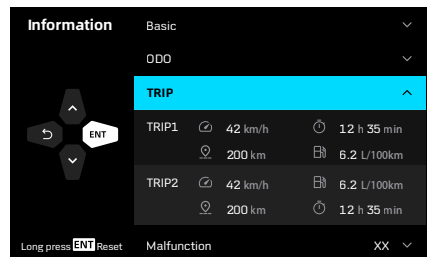
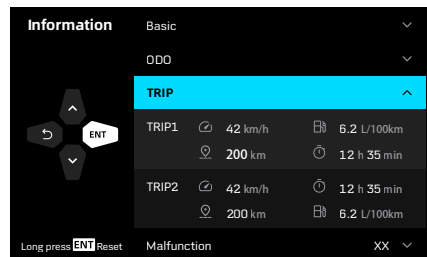
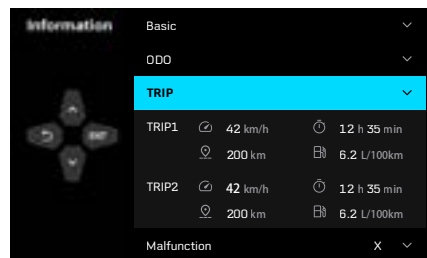
Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, press ENT to enter.

Press $\triangle$ or ∇ to select **Vehicle information**, press ENT to enter.

Press $\triangle$ or ∇ to select **TRIP information**, press ENT to open the TRIP information.

Press $\triangle$ or ∇ to select the **TRIP 1 / TRIP 2 information**, long press ENT to reset the TRIP1/TRIP 2 data.



CONTROLS & FEATURES

Vehicle Information - Malfunction

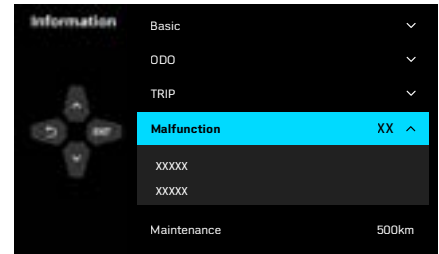
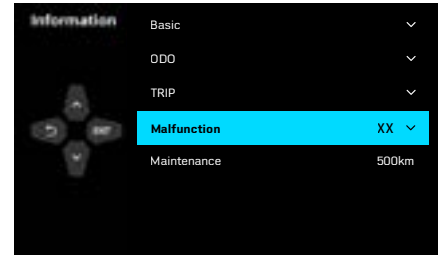
On the fault interface, you can check fault information or a fault reminder. To clear a fault when it occurs, contact an authorized CFMOTO service center.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, and press ENT to enter the vehicle setting interface.

Press $\triangle$ or ∇ to select **Vehicle information**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Malfunction**, and press ENT to inspect the details (if the number of faults is zero on the right side, faults cannot be checked). Press ENT again to close the fault information.



CONTROLS & FEATURES

Vehicle Information - Maintenance

On the vehicle information interface, you can inspect the service mileage information. When the service mileage is reached, the instrument will display a message to remind you to carry out service at an authorized CFMOTO service center.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Vehicle information**, and press ENT to enter. Inspect the remaining service mileage.

Resetting Service Mileage

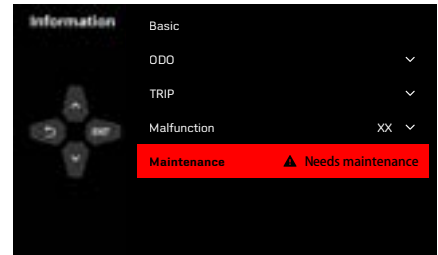
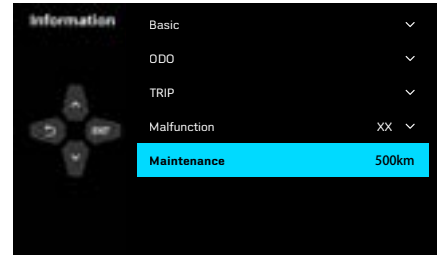
Press $\triangle$ or ∇ to select the remaining service mileage.

Press ENT for 10 seconds. Then confirm your choice to reset.

A CFMOTO service center also can reset the service mileage after performing the required maintenance.

CAUTION

Resetting the service reminder without also performing the required maintenance can damage key components of the vehicle.



CONTROLS & FEATURES

Traction Control System (TC)

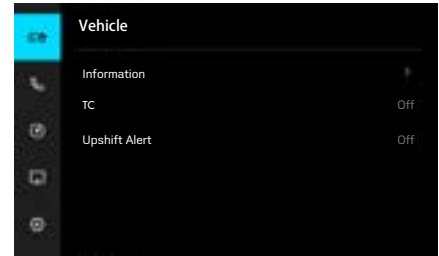
The Traction Control System helps the vehicle get the best traction and stability possible for the riding conditions.

1. The system controls engine power by reducing the amount of fuel injected to mitigate tire slippage caused by loss of tire traction.
2. When the motorcycle accelerates sharply, the system helps to better control the power input. If tires slip, it can maintain vehicle stability and traction by reducing the engine output power.
3. When the road is wet, the system helps to reduce tire slippage.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, and press ENT to enter.

Press $\triangle$ or ∇ to select the **TC function**, and press ENT to turn on or turn off the TC function.



CONTROLS & FEATURES

Upshift Alert

Shifting at the right RPM can effectively reduce the shifting pauses, protect the clutch and so on. Opening and setting the appropriate Gear Change Reminder can help the driver be more quickly familiar with the vehicle.

The recommended upshifting speed is 6500 RPM.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select the **Vehicle setting**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Upshift Alert**, and press ENT to turn on or turn off Gear Change Reminder.

Upshifting speed can be set after turning on Gear Change Reminder.

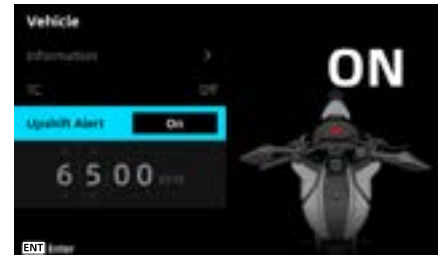
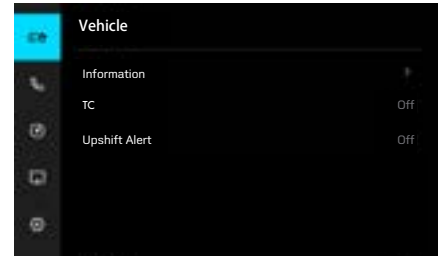
Press ∇ to select upshifting RPM column, and press ENT to activate the column. At this time, the button icon ' $\wedge$ ' ' $\vee$ ' above and below the kilobit value '6' will light up.

Press $\triangle$ to adjust the kilobit value in positive order.

Press ∇ to adjust the kilobit value in reverse order.

Press ENT to switch between the kilobit value and hundred value.

After adjustment, press $\rightarrow$ to confirm your selection.



CONTROLS & FEATURES

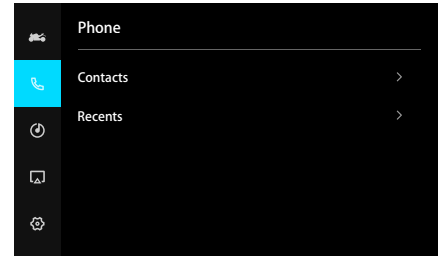
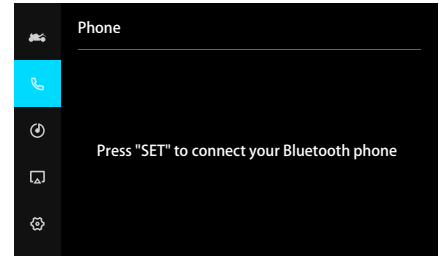
Phone

In the phone menu, users can check the following contents.

Contacts

Recent Calls

NOTE: Before using the phone, equipment must be correctly connected, and the phone and helmet should be connected to the instrument.



CONTROLS & FEATURES

Contacts

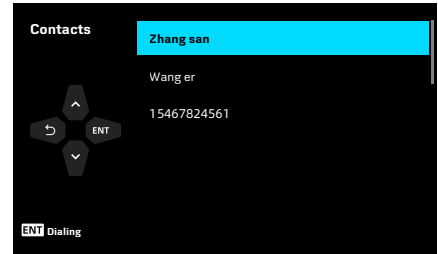
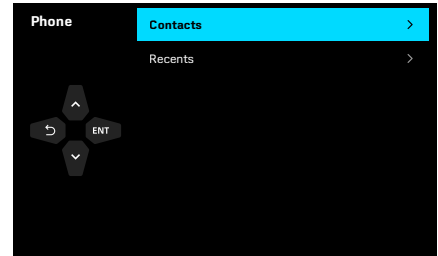
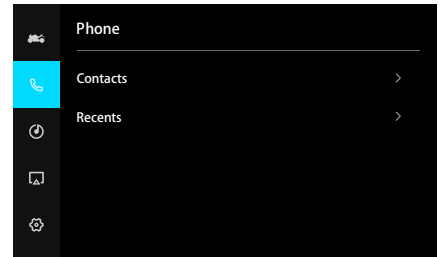
On the contacts interface, users can view the contacts recorded by their Bluetooth-connected mobile phones and dial the numbers.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Phone**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Contacts**, and press ENT to enter.

Press $\triangle$ or ∇ to select the number, and press ENT to dial the number.



CONTROLS & FEATURES

Recent Calls

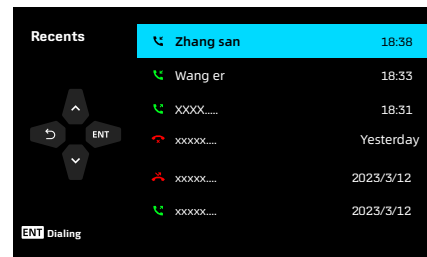
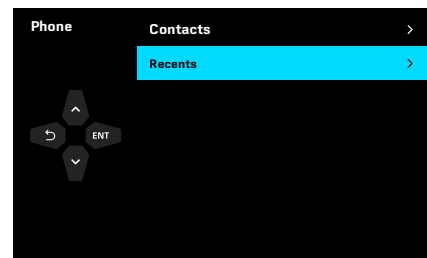
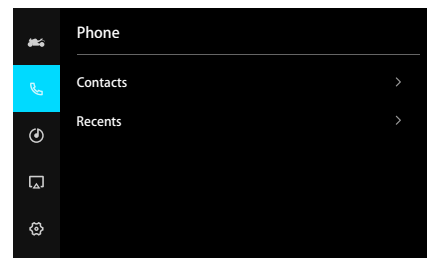
On the recent calls interface, users can view recent calls recorded by their Bluetooth-connected mobile phones and dial the numbers.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Phone**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Recents**, and press ENT to enter.

Press $\triangle$ or ∇ to select the number in the latest calls, and press ENT to dial the number.



CONTROLS & FEATURES

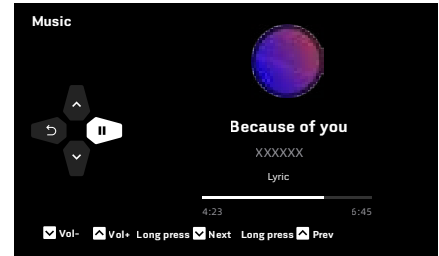
Music

On the music interface, users can play songs on the phone through Bluetooth, and through the button on the LH handlebar to switch the previous song and the next song, or to pause, to continue, to adjust volume and use other functions.

Press ENT to enter the menu interface.

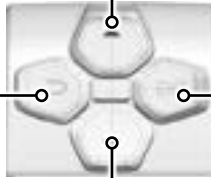
Press $\triangle$ or ∇ to select **Music**, and press ENT to enter the Music interface.

Play songs on your phone.



For Music: on the main interface, press it to increase the volume, long press it to switch the previous song.

For Music: on the menu, press it to increase the volume, long press it to switch the previous song.



For Music: on the menu, return to the main interface.

For Music: on the main interface, press it to enter the first-level Menu, and long press to pause or play.

For music: on the Menu interface, press it to pause or play.

For Music: on the main interface, press it to decrease the volume, long press it to switch the next song.

For Music: on the menu, press it to decrease the volume, long press it to switch the next song.

CONTROLS & FEATURES

MotoPlay (If Equipped)

The Telephone Interconnection interface allows users to use the projection screen function after it is connected through easy connection or QR code scanning. The easy connection can be achieved through MotoPlay on the CFMOTO RIDE APP. QR code scanning needs the user to enter the Telephone Interconnection interface and scan the QR code to realize the projection screen function.

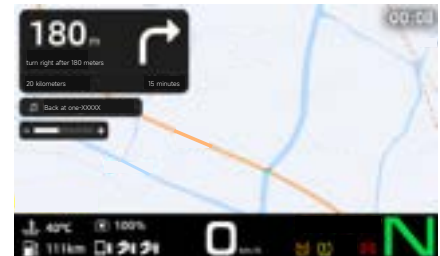
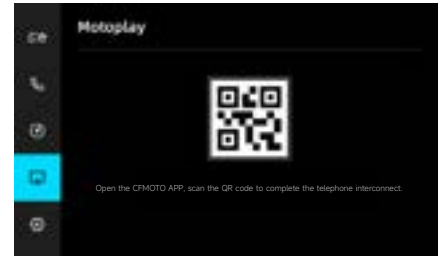
Follow the steps below to scan the QR code:

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select Telephone Interconnection, and press ENT to enter.

Open the CFMOTO RIDE APP to enter MotoPlay. Click 'Scan the QR code,' and scan the code to enter the projection interface.

When users close the CFMOTO RIDE APP or the Internet is disconnected, the interface on the instrument will return to the interface before telephone interconnection. Under the condition of interconnection, route navigation initiated on the telephone can be projected to the Telephone Interconnection interface when the instrument is in the menu or main interface.



CONTROLS & FEATURES

Instrument Settings

In the instrument settings, riders can adjust and set the following contents:

Device Connection

Information 1

Information 2

Auto Brightness

Unit

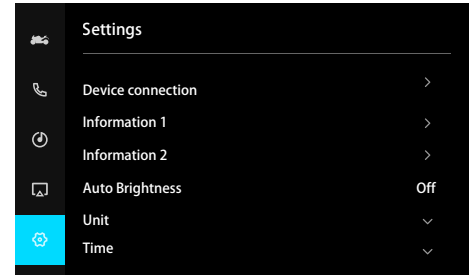
Time

Language

System Update

About

Reset



CONTROLS & FEATURES

Device Connection - Mobile Phones

Phone calls, music and other functions can be used after the phone and helmet are connected to the instrument via Bluetooth.

Follow these steps to connect your phone Bluetooth:

Ensure that the Bluetooth of the mobile phone to be connected is turned on.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Device Connection**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Phone**, press ENT to enter, and instrument will automatically search for the Bluetooth device.

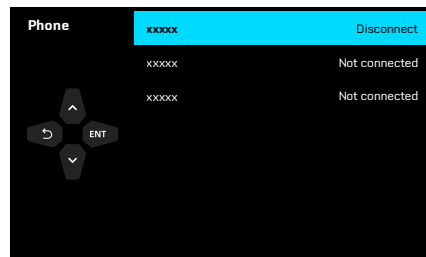
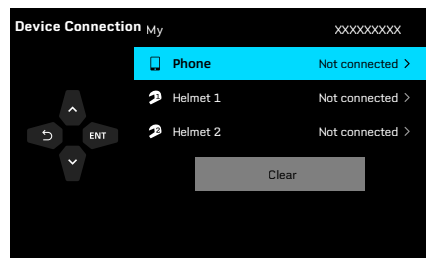
Press $\triangle$ or ∇ to select your equipment, and press ENT to connect.

On your phone, a connection message will display. Click to connect it. Wait until your equipment is connected.

After connection, 'connected' will show on your phone.

Disconnection

Press $\triangle$ or ∇ to select connected Bluetooth device, and press ENT to disconnect.



CONTROLS & FEATURES

Device Connection - Helmet

Follow these steps to connect your helmet Bluetooth:

Ensure that the Bluetooth of the helmet to be connected is turned on.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Device Connection**, and press ENT to enter.

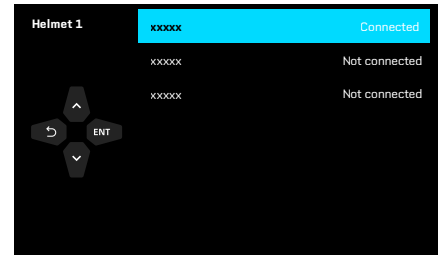
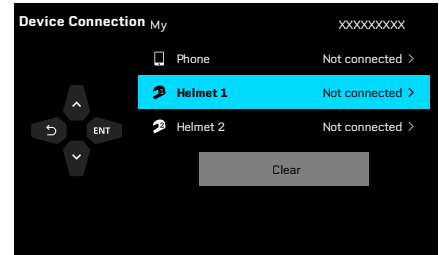
Press $\triangle$ or ∇ to select **Helmet 1 / Helmet 2**, press ENT to enter, and instrument will automatically search for the Bluetooth device.

Select your equipment. Wait until it is connected.

After connection, 'connected' will show on your phone.

Disconnection

Press $\triangle$ or ∇ to select connected Bluetooth device, and press ENT to disconnect.



CONTROLS & FEATURES

Device Connection - Disconnection

Follow these steps to disconnect devices.

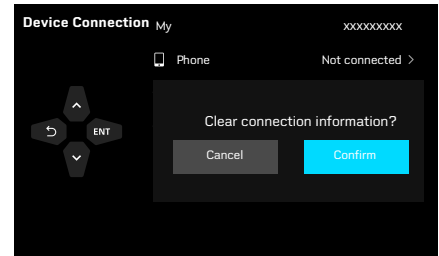
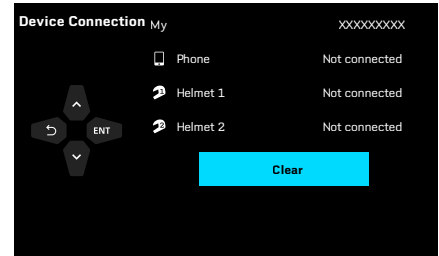
Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Device Connection**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Clear**, and press ENT to enter the popup window.

Press $\triangle$ or ∇ to select cancel/confirm, and press ENT to confirm.



CONTROLS & FEATURES

Information 1

Select one message from Optional Information 1 to display on the main interface.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter the Settings interface.

Press $\triangle$ or ∇ to select **Information 1**, and press ENT to enter.

Press $\triangle$ or ∇ to select your wanted Information to display on the main interface, and press ENT to confirm.

Optional Information 1: ODO, TRIP 1, TRIP 2.



CONTROLS & FEATURES

Information 2

Select one message from Optional Information 2 to display on the main interface.

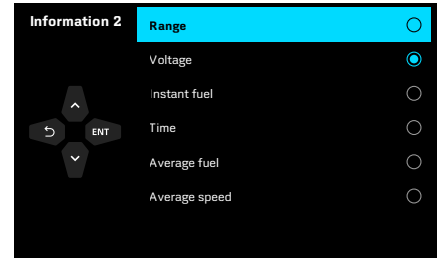
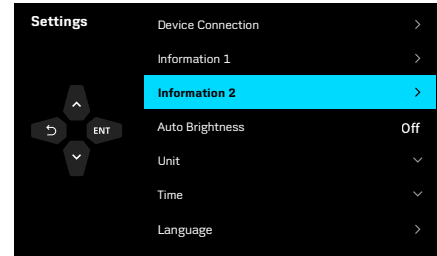
Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter the Settings interface.

Press $\triangle$ or ∇ to select **Information 2**, and press ENT to enter.

Press $\triangle$ or ∇ to select your wanted information to display on the main interface, and press ENT to confirm.

Optional information 2: Range, Voltage, Instant Fuel, Time, Average fuel consumption, Average speed.



CONTROLS & FEATURES

Auto Brightness

Manually adjust the brightness of the instrument, or the instrument automatically adjusts its brightness according to the external environment light.

Press ENT to enter the menu interface.

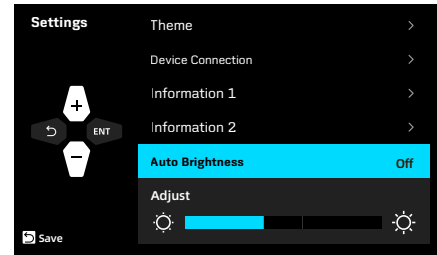
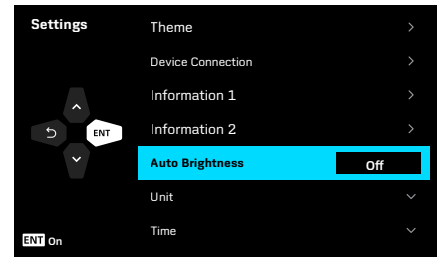
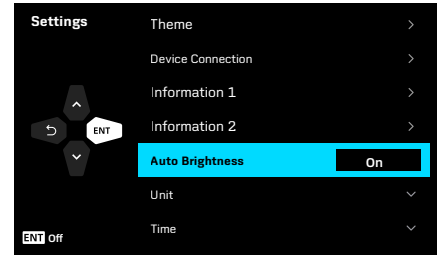
Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter Settings interface.

Press $\triangle$ or ∇ to select **Auto Brightness**, and press ENT to turn on or turn off automatic brightness adjustment.

After turning off the automatic brightness adjustment, the brightness can be adjusted manually.

Press $\triangle$ or ∇ to select brightness adjustment column, and press ENT to activate it.

Press $\triangle$ or ∇ to adjust brightness, and press $\curvearrowright$ to confirm your selection.



CONTROLS & FEATURES

Unit

Change units of speed, temperature and tire pressure to suit your preference.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter Settings interface.

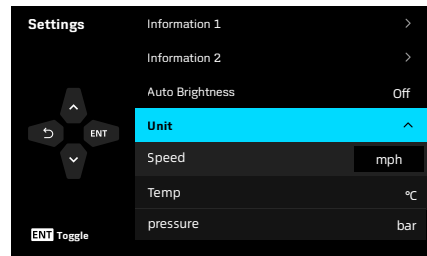
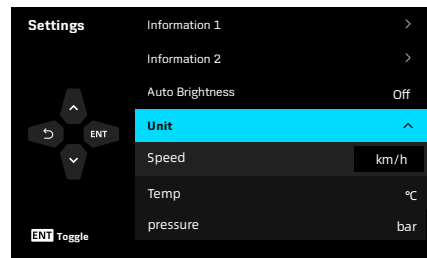
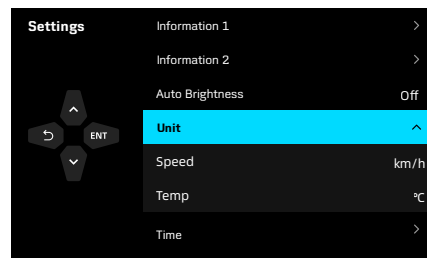
Press $\triangle$ or ∇ to select **Unit**, and press ENT to enter.

Press $\triangle$ or ∇ to select the unit you need to switch (speed / temperature / tire pressure), and press ENT to switch the unit.

km/h..... mph

°C..... °F

kPa..... bar psi



CONTROLS & FEATURES

Time

You can adjust the time displayed on the main interface.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Time**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Time Format**, and press ENT to switch (12 hours or 24 hours).

Taking 12-hours format as example, press ∇ to select the time adjustment column below the time format, and press ENT to activate the time adjustment column.

The button icon ' $\wedge$ ' ' $\vee$ ' will light up above and below the 'AM' in the time adjustment column.

Press $\triangle$ or ∇ to select the time period 'AM' or 'PM'. 24-hour time format lacks this option as the third image shows.

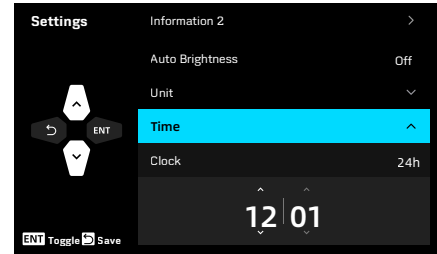
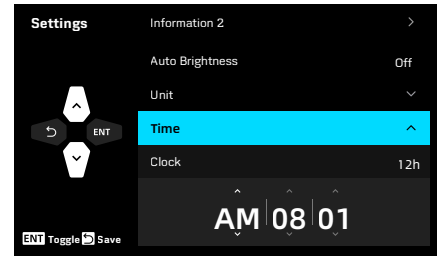
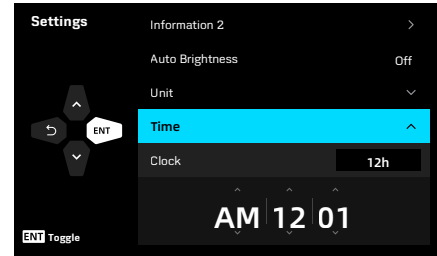
Press ENT to switch between (AM), hour (08), and minute (01). 24-hour format can be switched between hour and minute as the third image shows.

Press $\triangle$ or ∇ to adjust your wanted time, and press $\rightarrow$ to confirm your selection.

Press $\triangle$ to increase the number, and press ∇ to reduce the number.

Hour format switch range: 01-12

Minute format switch range: 00-59



CONTROLS & FEATURES

Language

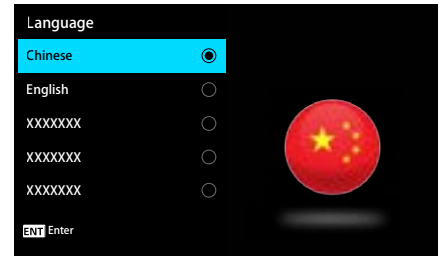
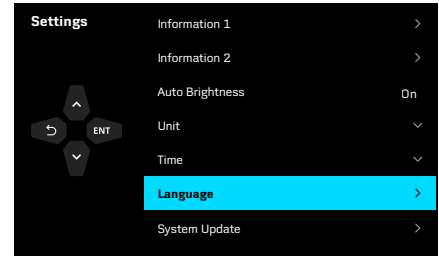
Adjust the instrument's language to suit your preference.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Language**, and press ENT to enter.

Press $\triangle$ or ∇ to select your language, and press ENT to confirm.



CONTROLS & FEATURES

System Update

When a new system version becomes available, the system upgrade module will pop up a window to alert you. If you cannot upgrade immediately, press ↶ to disregard the upgrade window. Then, when you are ready, enter the system settings to perform the upgrade. Follow these steps:

Press ENT to enter the menu interface.

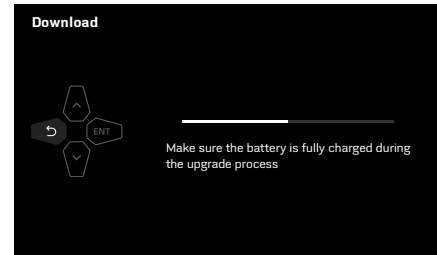
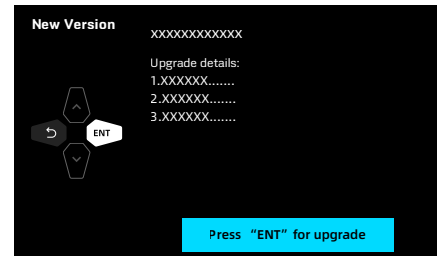
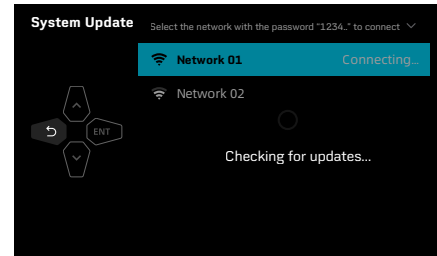
Press △ or ▽ to select **Settings**, and press ENT to enter.

Press △ or ▽ to select **System Update**, and press ENT to automatically search for available networks.

Press △ or ▽ to select your network, and press ENT to connect.

After connection, the system will automatically search for the newest system version.

When the newest version is found, press ENT to upgrade. Then wait until the installation package is installed. A few important notes are on the next page.



CONTROLS & FEATURES

NOTE:

1. Ensure the battery is fully charged before you try to upgrade the system.
2. Don't turn off the vehicle power supply while the system updates. If vehicle power is turned off, installation of the update will be disrupted. You should download the installation package again.
3. Downloading the system update will fail if the Internet is disconnected for 30 seconds or more.
4. You can cancel a download in progress by pressing , which will return you to the New Version interface (see the second image on the previous page).
5. If the download fails, press ENT to download the installation package again.
6. Do not turn off the power supply during the upgrade. Otherwise the instrument be may damaged.

CONTROLS & FEATURES

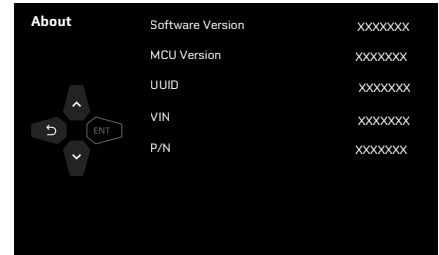
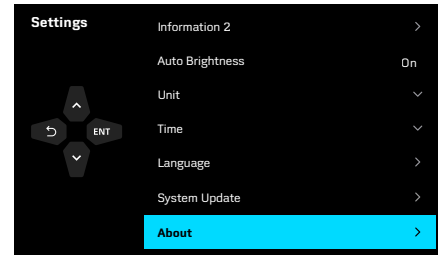
About

On the vehicle information interface, you can check the current software version, MCU version, UUID, frame number, and parts code.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ to select **Settings**, and press ENT to enter Settings interface.

Press $\triangle$ or ∇ to select **About**, and press ENT to enter.



CONTROLS & FEATURES

Reset

You can reset all instrument settings.

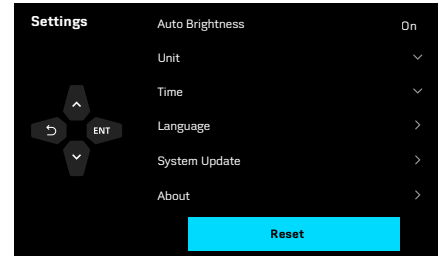
NOTE: This function does not reset the odometer or related functions.

Press ENT to enter the menu interface.

Press $\triangle$ or ∇ key to select **Settings**, and press ENT to enter.

Press $\triangle$ or ∇ to select **Reset**, and press ENT to enter the popup window.

Press $\triangle$ or ∇ to select **Cancel** or **Confirm**, and press ENT to enter your choice.



OPERATING YOUR VEHICLE

Break-In Period

The break-in period for this vehicle is the first 600 miles (1000 km). Maintain the vehicle according to the break-in period requirements.

The following items should be observed during the break-in period:

1. Do not run high engine speeds immediately after the engine starts. Allow the engine to warm for 2 ~ 3 minutes at idle speed and let oil flow into all engine lubricating parts.
2. Do not run the engine at high RPM when the transmission is in neutral.
3. During the break-in period, CFMOTO suggests the top engine speeds as below:

Odometer	Maximum Engine RPM
0 ~ 300 miles (0 ~ 500 km)	4000 RPM
300 ~ 600 miles (500 ~ 1000 km)	6000 RPM

DANGER

New tires can be slippery. Unsafe riders may lose control and cause damage. Tire pressures should be at the specified value during the break-in period. Avoid sudden, maximum braking/acceleration and hard cornering during the break-in period.

CAUTION

During the break-in period, the brake system pads and discs may not have reached optimal performance. When brake pads and discs are new, ride cautiously with plenty of space around your vehicle so that you can safely avoid traffic situations that require emergency stopping.

OPERATING YOUR VEHICLE

Daily Safety Inspection

Inspecting the following items before daily riding will help keep your vehicle safe and reliable. If anything abnormal appears, please refer to the Maintenance and Adjustment section or contact your dealer. Do not operate the vehicle in an abnormal condition, as it may lead to serious damage or accidents.

Item	Content
Engine oil	Inspect the oil level to see whether it is proper.
Rear brake fluid reservoir	Inspect the rear brake fluid level to see whether it is proper.
Rear wheel	Inspect the rear wheel and tire for excessive wear, cracks or cuts, embedded items or other damage. Inspect the rear tire pressure to see whether rear tire pressure is within the standard range.
Rear brake	Inspect the thickness of rear brake pad. Inspect thickness of rear brake disc and inspect for any dirt or damage.
Chain and sprockets	Inspect the drive chain and sprockets for dirt and wear, and inspect their tension to see whether it is proper.
Front wheel	Inspect the front wheel and tire for excessive wear, cracks or cuts, embedded items or other damage. Inspect the front tire pressure to see whether is within the standard range.
Front brake	Inspect the thickness of front brake pad. Inspect thickness of front brake disc and inspect for any dirt or damage.
Front brake fluid reservoir	Inspect the front brake fluid level to see whether it is proper.

OPERATING YOUR VEHICLE

Luggage (if equipped)	Inspect the luggage to see whether it is fastened securely, and make sure the luggage height is in line with local regulations.
Coolant	Inspect the coolant level to see whether it is proper.
Instrument	Inspect the instrument's fault indicators and inspect the fuel level to see whether there is enough fuel.
Rearview mirrors	Inspect the rearview mirrors to see whether they are in an appropriate view angle.
Lights	Inspect all the lights to see whether they all work well and whether the beam height for front lights meets the local regulations.
Operating parts	Inspect the steering, front and rear brakes, throttle and switches to see whether they can be operated smoothly.
Side stand	Inspect the return spring of the side stand for any looseness or damage.
Stop switch	Inspect the stop switch to see whether it works properly.

DANGER

Inspect the vehicle every time before riding.

The operator must have the appropriate license to ride the vehicle.

Learn the local regulations, and do not ride the vehicle in the areas where motorcycles are not allowed.

Do not start the vehicle in a closed area or an area without good ventilation. The exhaust generated during engine operation may cause people to lose consciousness or even cause deaths.

OPERATING YOUR VEHICLE

Starting

Sit on the vehicle supported with the side stand up.

Turn on the ignition switch.

Shift into neutral.

Turn the stop switch to position “”.

CAUTION

Running an engine at high RPMs in low temperatures will impact the lifespan of the engine. Always warm the engine at a low speed.

Do not start the vehicle with the start switch until the instrument self-inspection has completed.

The vehicle is equipped with a clutch switch. If you pull the clutch lever and shift into a forward gear with the side stand up, the vehicle can be started.

The vehicle is equipped with a side stand switch. When the transmission is in neutral and the side stand is up, the vehicle can be started.

If you shift into a gear with the side stand down, the engine will turn off.

Do not press the start switch for more than 5 seconds. Please wait for more than 15 seconds to press the start switch again, or it will cause the battery to discharge.

It is recommended that the vehicle should not idle for a long time. Idling for 30 minutes or more will cause the battery temperature to be too high, which affects battery life.

OPERATING YOUR VEHICLE

Starting Off

Grip the clutch lever, and put the vehicle into gear 1. Then slowly release the clutch lever while at the same time gently rotate the throttle.

Shifting, Riding

Grip the clutch lever and release the throttle.

Shift to the next gear with the gearshift lever.

Release the clutch lever and slowly open the throttle at the same time to complete the gear shift.

Hold the handlebar at all times with both hands when driving with the throttle applied.

WARNING

Avoid abrupt load alterations or strong brake operation, which can cause loss of control.

Adjust your speed according to road conditions and the situation around you.

When the engine RPM is high, do not shift into lower gears. Release the throttle first to reduce the engine speed.

All adjustments for vehicle operation should be made when vehicle is parked.

The passenger must be seated properly on the passenger seat with feet on the rear foot pedals, wearing a helmet and other safety protection, and holding onto the operator or grabbing the handle.

Comply with local traffic regulations for minimum passenger age.

Comply with all local traffic regulations, and ride defensively and cautiously to detect danger as early as possible.

When the tires are cold, their road grip performance is reduced. Be cautious and ride at a safe speed until the tires reach operating temperature.

Do not exceed the maximum full load, which includes the motorcycle, driver, passenger and luggage.

OPERATING YOUR VEHICLE

WARNING

Luggage sliding will affect riding performance, so inspect luggage to confirm it is properly secured on the vehicle and to ensure that its width does not exceed 0.15m from the handlebar on the left and right sides.

In the event of an accident, the damage from crashing could be more serious than it looks. Inspect the vehicle completely to make sure it is safe, or take the vehicle to a CFMOTO dealer for inspection.

Improper gear shifting may lead to damage of the gear box.

Operate the throttle according to the road conditions and climate. Do not shift gears or aggressively rotate the throttle during turns.

OPERATING YOUR VEHICLE

Braking

Release the throttle when applying the brakes, and use front and rear brakes at the same time.

Finish braking before turning, and shift to a lower gear according to the speed required.

On a long downhill ride, please leverage the brake force of the engine and shift to lower gears, but do not allow the engine to operate with high RPM. When using engine's brake force, it helps to reduce the braking force required of the brake system, and the brake will not be overheated.

WARNING

Moisture and dirt will impair the brake system. Brake carefully several times to dry out moisture and remove dirt from the brake pads and discs.

If the hand brake lever and foot brake lever feel soft, stop riding until the brake system is fully inspected and the problems are eliminated.

Take your foot off the foot brake lever when you are not braking. Extended braking will cause the brake pads to overheat and excessively wear, which will affect their service life and safety.

When carrying a passenger or luggage, the required braking distance to stop will increase. Please adjust your braking time according to the vehicle load.

When the ABS is enabled, you can achieve maximum braking power - even on low-grip surfaces, such as sandy, wet or slippery roads - without locking the wheels. When the ABS fails, emergency braking may lock the wheels. Before riding the vehicle, make sure the ABS works normally. Under certain circumstances, the ABS may increase the braking distance required to stop the vehicle. Adjust your braking according to the riding and road conditions.

OPERATING YOUR VEHICLE

Parking

Stop the vehicle with brakes.

Shift into neutral.

Turn off the ignition switch.

Park the vehicle on firm, level ground.

Use a side stand to support the vehicle.

Turn the handlebar left to the maximum, and lock the steering with the key.

Remove and take away the key.

WARNING

When the engine is running, do not leave the vehicle unattended.

Secure the vehicle against use by unauthorized people.

Lock the steering when leaving the vehicle unattended.

After using the vehicle, the temperature of some parts will be very high. Do not touch parts such as the exhaust system, cooling system, engine, or brake system.

Do not park the vehicle near materials that are highly flammable or explosive. Hot parts may ignite these materials.

Improper parking may cause the vehicle to slip and roll over, which will lead to severe damages.

CAUTION

Most of the electrical parts will not be disconnected when the stop switch is used to turn off the engine but the ignition lock is connected, thus causing the battery to discharge. Always use the ignition lock to turn off the engine. The stop switch should be used only in an emergency.

SAFETY OPERATION

Safe Riding Tips

The following items are applicable for daily motorcycle use and should be carefully observed for safe and effective vehicle operation:

- For safety, goggles and a helmet are strongly recommended. You must be aware of traffic regulations for the safe riding. Safe riding gear such as gloves and suitable footwear should also be used for protection.
- Wear protective apparel when riding in case of any collision with other vehicles. Without protective apparel, no safety can be ensured. Before changing lanes, look over your shoulder to make sure the way is safe. Do not rely solely on the rearview mirrors. You must judge distance and speed of other cycles, or accidents may occur.
- When climbing up steep slopes, shift to a lower gear to increase the motor's torque output, thus avoiding overloading.
- When applying the brakes, apply both the front and rear brakes at the same time. Applying only one brake for sudden braking may cause the motorcycle to skid and lose control.
- When going down long downhill slopes, control vehicle speed by releasing the throttle. Use the front and rear brakes for auxiliary braking.
- In wet conditions, rely more on the throttle to control vehicle speed and less on the front and rear brakes. The throttle should also be used judiciously to avoid skidding the rear wheel during rapid acceleration or deceleration.
- Riding at the proper speed and avoiding unnecessary acceleration are important not only for safety and low fuel consumption, but also for longer vehicle life and quieter operation.

SAFETY OPERATION

- When riding in wet conditions or on loose roadway surfaces, vehicle performance will be reduced. All of your actions should be smooth and flexible under these conditions. Sudden acceleration, braking or turning may cause loss of control.
- Practice your operating skills cautiously and slowly in an open area and hold the fuel tank with the knees for better stability. When there is a quick acceleration, shift to a lower gear to obtain the necessary power.
- Do not downshift at high RPM to avoid damage to the engine.
- Avoid unnecessary use of fabric tape, which may entangle the rider or motorcycle.

SAFETY OPERATION

Additional Cautions for High Speed Operation

Brakes: Braking is very important, especially during high speed riding, and the braking force cannot be too large. Inspect and adjust the brakes to get better performance.

Handling: Loose handling parts may cause loss of control. Inspect the steering to see whether it can turn freely without shaking.

Tires: High speed operation requires the tires to be in good condition. Good-condition tires are crucial for safe riding. Inspect their pressure and the wheel balance.

Fuel: Ensure that there is enough fuel and a smooth supply of fuel for high speed operation.

Oil: To avoid engine failures, which could result in loss of control, make sure the oil level is maintained between the upper and lower level lines.

Coolant: To avoid overheating, check and make sure that the coolant level is between the two level lines.

Electrical Equipment: Make sure that the headlights, tail/brake light, turn signals, horn, etc., work properly.

Fasteners: Make sure that all nuts and bolts are tight and that all safety-related parts are in good condition.

DANGER

Do not speed on expressways. Obey the relevant laws and regulations. Motorcycles may be banned on expressways in some markets unless they are approved by traffic authorities and operators have the appropriate skills and protection.

MAINTENANCE

Careful periodic maintenance will help keep your vehicle in its safest, most reliable condition. Inspection, adjustment, and lubrication of important components are explained in the Periodic Maintenance Chart. Inspect, clean, lubricate, adjust and replace parts as necessary. When an inspection reveals the need for replacement parts, always use original parts from your dealer.

NOTE

Periodic maintenance and adjustments are critical. If you are unfamiliar with maintenance procedures, have a qualified dealer do that for you.

Pay special attention to the oil level during cold weather operation. A rise in oil level can indicate that contaminants are collecting in the oil sump or crankcase. Change oil immediately if the oil level begins to rise. Monitor the oil level. If it continues to rise, stop using the vehicle and see your dealer.

Improper Use Definition

CFMOTO defines improper use of the vehicle as:

- Riding in extreme environments (such as dusty or muddy places, or areas near saltwater).
- Riding in extreme climates (such as places with extreme temperatures or high moisture).
- Racing or race-style use of high RPM.
- Running at low speed for a long time, and carrying heavy loads.
- Idle the engine for a long time.
- Starting and stopping the vehicle frequently. Short-distance operation in cold weather.
- Commercial use.
- Riding on the uneven or bumpy roads.

If this vehicle is used in a way that matches any of these definitions, decrease maintenance intervals by 50%.

MAINTENANCE

Key Points of Lubrication Schedule

Check all components at the intervals outlined in the Periodic Maintenance Chart. Items not listed in the schedule should be lubricated at the general lubrication interval.

- Change lubricants more often under severe conditions, such as use in wet or dusty conditions.
- Lubricate before long periods of storage, after pressure washing, or after submerging drive system.

Item	Specifications	Method
Engine oil	SAE 10W-40 JASO MA2	Inspect the oil level from the oil view window.
Brake fluid	DOT4	Keep the level between upper and lower lines.

MAINTENANCE

Break-In Maintenance Chart

Item		Break-In Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Engine					
■	Oil and oil filter	-	600	1000	Replace.
	Idle	-	600	1000	Inspect.
■	Coolant	-	600	1000	
	Throttle system	-	600	1000	
Electrical system					
■	Functions of electrical parts	-	600	1000	Inspect.
	Battery	-	600	1000	
	Fuses or circuit breakers	-	600	1000	
Brake					
	Brake discs	-	600	1000	Inspect.
	Brake pads	-	600	1000	
	Brake fluid level	-	600	1000	
■	Brake hoses	-	600	1000	Inspect brake hoses for damage and to see whether they are sealed.
	Brake lever	-	600	1000	Inspect free play.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Item		Break-In Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Wheels					
	Tire condition	-	600	1000	Inspect.
	Tire pressure	-	600	1000	
Suspension					
■	Rear and front shock absorbers	-	600	1000	Inspect for oil leakage (maintain front forks and the rear shock absorber according to the requirement and purpose).
Cooling system					
	Coolant level	-	600	1000	Inspect.
■	Coolant	-	600	1000	
■	Radiator fan function	-	600	1000	
	Coolant hoses	-	600	1000	
Steering system					
■	Steering bearings	-	600	1000	Inspect.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Item		Break-In Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Other parts					
■	Fault control memory	-	600	1000	Read with DSCAN.
■	Movable parts	-	600	1000	Lubricate, and inspect their flexibility.
■	Bolts and nuts	-	600	1000	Inspect their firmness.
■	Cables	-	600	1000	Inspect them for damage, bending and inspect their setting.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Periodic Maintenance Chart

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Engine					
	Oil and oil filter	6M	3000	5000	Replace.
■	Clutch	-	3000	5000	Inspect and repair or replace if necessary.
	Idle	-	3000	5000	Inspect.
■	Coolant	24M	21000	35000	Replace.
	Throttle	-	3000	5000	Inspect and adjust if necessary.
■	Throttle body	-	3000	5000	Clean.
▲ ■	Air filter elements	-	3000	5000	Clean.
		24M	12000	20000	Replace.
■	Spark plug	-	3000	5000	Inspect and replace if necessary.
		-	6000	10000	Replace.
■	Valve clearance	-	24000	40000	Inspect and adjust if necessary.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Electrical system					
■	Functions of electrical parts	12M	6000	10000	Inspect and repair or replace if necessary.
	Battery	6M	3000	5000	Inspect and recharge if necessary.
	Fuses or circuit breakers	6M	3000	5000	Inspect and replace if necessary.
■	Wires	12M	6000	10000	Inspect for any damage and bending when they are being set.
Wheels					
	Tire condition	12M	6000	10000	Inspect and repair or replace if necessary.
	Tire pressure	12M	6000	10000	Inspect and replenish if necessary.
■	Wheel bearings	-	6000	10000	Inspect and repair or replace if necessary.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Brake					
	Front and rear braking systems	12M	6000	10000	Inspect and repair or replace if necessary.
	Brake discs	12M	6000	10000	
▲	Brake pads	12M	6000	10000	
	Brake fluid level	12M	6000	10000	Inspect and replenish if necessary.
■	Brake hoses	12M	6000	10000	Inspect them to see whether they are damaged and sealed.
	Brake pedals	12M	6000	10000	Inspect free play.
■	Brake fluid	24M	-	-	Replace.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Suspension					
■	Suspension system	-	3000	5000	Inspect and repair or replace if necessary.
■	Front and rear shock absorbers	12M	6000	10000	Inspect for oil leakage (maintain front forks and rear shock absorber according to the requirement and purpose).
Vehicle body					
	Frame	-	18000	30000	Inspect and repair or replace if necessary.
Steering system					
■	Steering bearings	12M	6000	10000	Inspect and repair or replace if necessary.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Cooling system					
	Coolant level	12M	6000	10000	Inspect and replenish if necessary.
■	Radiator fan function	12M	6000	10000	Inspect and repair or replace if necessary.
■	Cooling hoses	12M	6000	10000	
Sprocket and chain					
▲	Chain lubrication	-	350	600	Inspect immediately after riding in a rainy day.
▲	Chain tightness	-	600	1000	Inspect and adjust if necessary.
▲	Wear of chain, rear sprocket and engine sprocket	12M	6000	10000	Inspect and replace if necessary.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

Item		Periodic Maintenance Interval (Service whichever interval comes first)			
		Calendar	Miles	Km	Notes
Other parts					
■	Fault control memory	12M	6000	10000	Read with DSCAN.
■	Movable parts	12M	6000	10000	Lubricate, and inspect their flexibility.
■	Bolts and nuts	12M	6000	10000	Inspect their firmness.
■	Cables	12M	3000	5000	Inspect them for damage, bending and inspect their setting.
■	Pipes, ducts, hoses and sleeves	12M	6000	10000	Inspect them to see whether they have cracks, are sealed and set corrected.
■	Exhaust pipe sealed gasket	6M	3000	5000	Inspect the exhaust connecting part to see whether it is leakage, and inspect gasket for damage, replace it if necessary. After disassembled the muffler, change a new gasket.

▲ = Maintenance interval shortens by 50% if the motorcycle is subjected to improper use.

■ = An authorized dealer should perform repairs that involve this component or system.

MAINTENANCE

CLUTCH LEVER FREE PLAY

Inspect the flexibility of the clutch lever.

Straighten the handlebar.

Slowly apply the clutch lever until the resistance is evident.

Measure the free play at location A: 0.079 in (2 mm) is appropriate.

WARNING

Inadequate free play for the clutch lever can strain the clutch cable and affect clutch engagement, causing slippage and excessive wear.

Inspect the free play every time before running the engine.

Set the free play as stipulated when necessary.

Fine adjustment of clutch lever free play

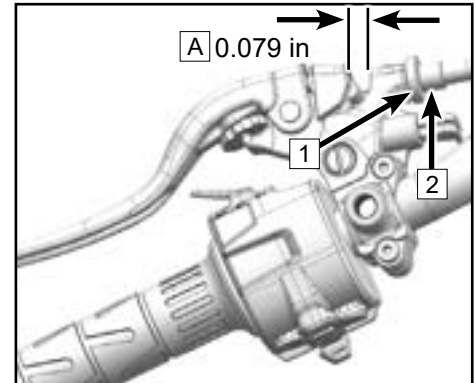
Straighten the handlebar.

Flip over the clutch cable waterproof sleeve.

Loosen lock nut **1**.

Rotate the adjusting nut **2** for adjustment.

Tighten the lock nut **1**.



MAINTENANCE

GEARSHIFT LEVER ADJUSTMENT

The gearshift lever is adjustable to suit personal riding habits.

Range: ± 0.2 in (5 mm)

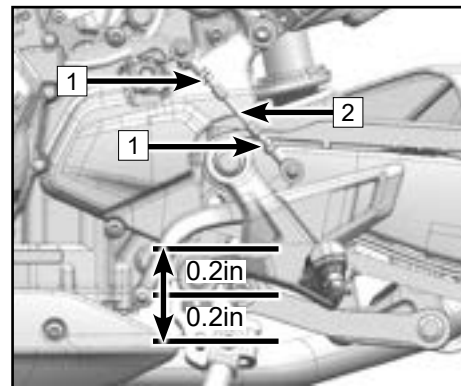
Both ends of the middle connecting rod are adjustable.

Loosen lock nuts [1] at both ends.

Rotate the middle connecting rod [2] to adjust the height of the gearshift lever. Rotate the rod clockwise to raise the lever. Rotate the rod counterclockwise to lower the lever.

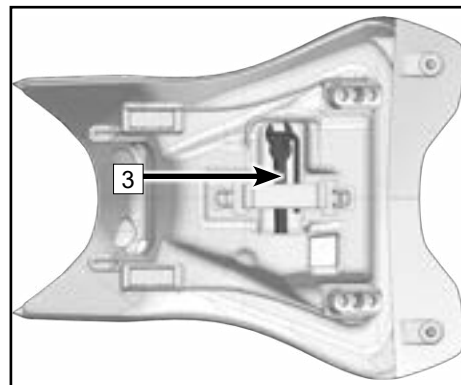
Tighten the lock nuts [1].

Torque: 4.4 ft-lb (6 N•m)



TOOL KIT

Tool kit [3] is usually under the front seat and can help maintain and disassemble some parts of the vehicle.



MAINTENANCE FUEL SYSTEM

Fuel Tank Refilling

Avoid spilling fuel to the outside of the fuel tank when filling. If a spill occurs, wipe it off immediately to avoid pollution or causing danger.

Fuel tank volume: 3.7 gal (14 L)

DANGER

Gasoline is flammable, so the fuel should be filled in a ventilated area. Before refueling, turn off the engine and wait for the engine and muffler to cool. No smoking or any acts that cause sparks are allowed in the fuel filling area or fuel storage area.

Never fill the tank excessively. Avoid the fuel from overflowing onto high-temperature parts. The fuel level should not exceed the tank opening. As temperature rises, fuel can heat and expand, and then may spill over and damage motorcycle parts.

Fuel is toxic and harmful to health. Avoid touching the skin, eyes and clothes. Do not inhale fuel vapor.

If the fuel touches the skin, wash the skin with plenty of clean water.

If the fuel touches the eyes, wash eyes immediately with clean water and see a doctor immediately.

If the fuel touches the clothes, change the clothes immediately.

If the fuel is swallowed by mistake, see a doctor immediately.

After maintaining or disassembling parts of the fuel system, please contact your dealer for complete inspection to avoid fuel leaks or other dangers.

Dispose of fuel properly to avoid damage to the environment.

MAINTENANCE

Fuel Requirements

This motorcycle is recommended to use only unleaded premium gasoline (87# or higher). Non-oxygenated (ethanol-free) fuel is recommended for best performance in all conditions.

CAUTION

Do not use leaded gasoline, as it will destroy the catalytic converter. For further understanding, please consult related materials about the catalytic converter.

Be sure to use fresh gasoline. Gasoline oxidation will result in loss of octane and volatile compounds. It also produces colloidal and lacquer deposits, which could damage the fuel system.

Octane Rating (RON)

'RON' is a technical term commonly used to describe the octane rating of gasoline. The higher the number RON, the greater the resistance to knocking and detonation. Always use unleaded gasoline with an octane rating equal to 87# or higher.

CAUTION

If the engine has a knocking cylinder or detonation, use a unleaded gasoline of higher quality or higher RON.

MAINTENANCE ENGINE ASSEMBLY

For the engine, transmission, clutch and other parts to work properly, make sure that the oil level is between the upper and lower lines from the oil view window, and check and replace the oil according to the Periodic Maintenance Chart. Extended use of engine oil will not only produce dirt and metallic impurities, but the oil will also consume itself.

DANGER

Riding the motorcycle with insufficient, deteriorated or highly contaminated oil will cause accelerated wear and may result in engine or transmission's damage, which could cause an accident and/or personal injury.

Oil Level Inspection

Make sure the vehicle is turned off.

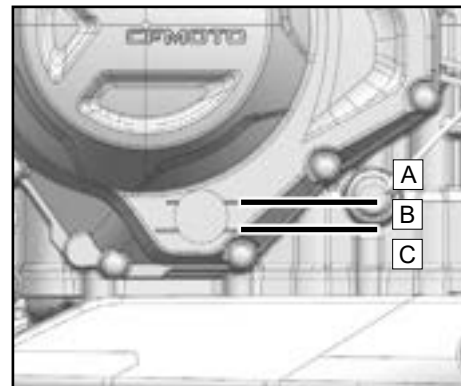
If the engine had just been running, please wait for 2 to 3 minutes for the oil to settle.

Support the vehicle vertically on a level surface, and then view the oil level inspection window:

If the oil level is at area A, drain out the oil until the level is within area B.

If the oil level is at area B, it is at the proper level.

If the oil level is at area C, or no oil level can be viewed, fill the engine with the recommended oil until the level is within area B.



MAINTENANCE

Oil and Oil Filter Replacement

Park the vehicle on level ground.

Idle the engine for several minutes. Then turn off the engine.

WARNING

Warming up the engine for a long period may lead to high temperature of the engine and oil. Please wear suitable protective clothing and gloves when changing oil. In the event of scalding, wash the scaled area immediately with running water for more than 10 minutes until feeling no pain and see a doctor.

Remove the left side protective panel  by removing its bolts .

Place an oil basin under the oil drain.

Remove the magnetic oil drain bolt and washer .

Completely drain out the used oil.

WARNING

Oil is a toxic substance, so used oil should be disposed of properly.

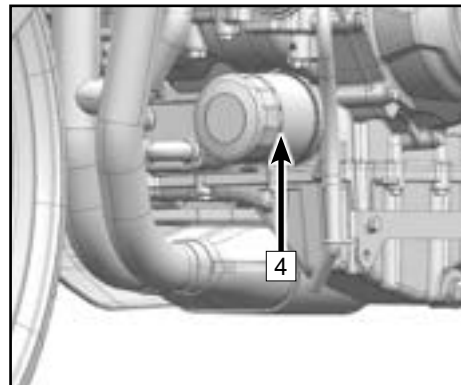
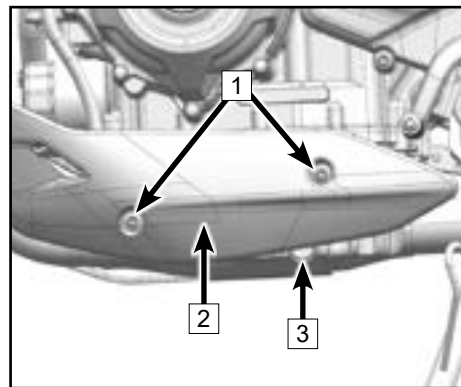
Replace the oil filter .

Clean the oil drain bolt and the area around the oil drain hole.

Place a new washer on the oil drain bolt, and then remount the oil drain bolt and washer.

Torque: 18.4 ft-lb (25 N·m)

Reinstall the left side protective panel and mounting bolts.



MAINTENANCE

Remove the oil filler screw plug [5].

Fill with 2.64 qt (2.5 L) oil of SAE 10W/40 JASO MA2.

Remount the oil filler screw plug.

Idle the engine for several minutes, allowing the oil to flow into the oil filter.

Turn off the engine.

Inspect the oil level and adjust it as necessary until the required level is reached.

CAUTION

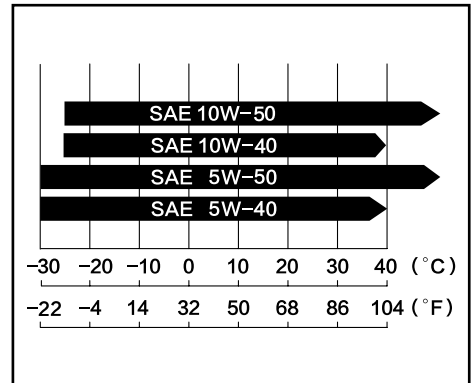
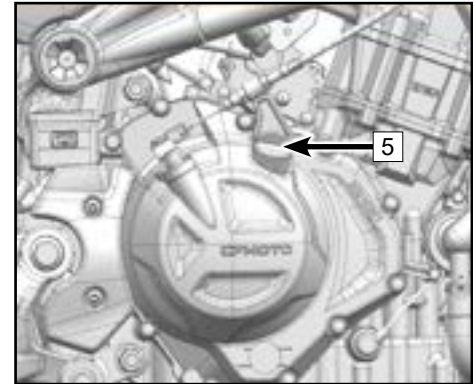
Inadequate oil or low-quality oil will lead to premature engine wear. To ensure the optimum performance of oil, do not mix different kinds of oil. Replace oil as necessary.

Oil Capacity

Replace oil and oil filter: 2.64 qt (2.5 L)

CFMOTO recommends oil with API SJ or higher. JASO MA2 is the primary choice and JASO MA is an acceptable alternative.

Although 10W-40 oil is the recommended oil for most conditions, the oil viscosity may need to be changed to accommodate atmospheric conditions in your riding area. Please choose oil viscosity according to the chart.



MAINTENANCE

Spark Plug

Spark plugs should be replaced in accordance with the Periodic Maintenance Chart. Replacement should only be performed by an authorized dealer.

Spark plug type: BN8RTI

Spark plug clearance [1] : 0.03 in ~ 0.04 in (0.8 mm ~ 1 mm)

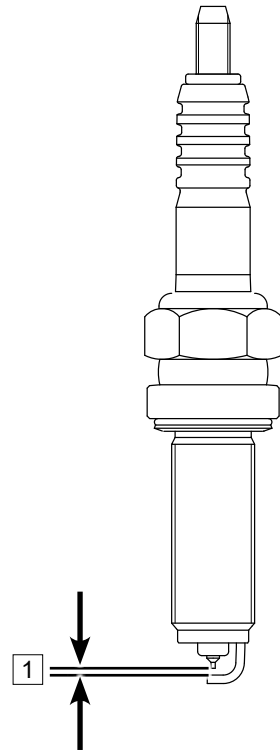
Torque: 8.8 ft-lb ~ 11.1 ft-lb (12 N•m ~ 15 N•m)

Idling

The idling speed of this vehicle has been adjusted at the factory and cannot be adjusted by users. Otherwise its performance will be affected. When parts affecting idling speed need to be replaced, contact your dealer for replacement and recalibration of the ECU with DSCAN.

⚠ DANGER

Improper adjustment of idling may have serious consequences.

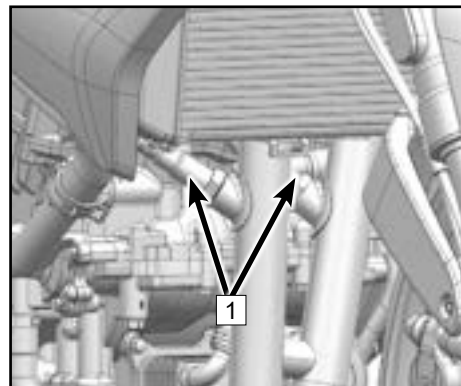


MAINTENANCE

AIR INTAKE AND EXHAUST SYSTEM

Exhaust Detecting System

Exhaust detecting system depends on two oxygen sensors 1 mounted on exhaust pipes, and they can detect the air and fuel combustion degree by measuring oxygen density and transferring it as an electrical signal to the ECU. If the ECU determines that combustion is not thorough, it will adjust fuel injection in accordance with signals from the Throttle Position Sensor and Intake Air Temperature sensors. By this way, the ratio of air to fuel can be optimized for thorough combustion.



Air Intake / Exhaust Valve

An air intake valve allows fresh air into the engine to mix with fuel for combustion. Have a dealer inspect the air intake valves in accordance with the Periodic Maintenance Chart. Also, have the air intake valves inspected whenever stable idling cannot be achieved, engine power is greatly reduced, or there are abnormal engine noises.

An exhaust valve expels the waste from combustion to help dissipate heat. Have a dealer inspect the exhaust valves in accordance with the Periodic Maintenance Chart. Also, have the exhaust valves inspected if acceleration is powerless, if the engine slightly backfires when you sharply apply the throttle, there is abnormal noise from exhaust pipes, or the vehicle fails to start.

Air intake / exhaust valve removal and inspection should be performed only by an authorized CFMOTO dealer.

MAINTENANCE

Valve Clearance

The engine valves and valve seats will wear during operation and need adjustment after being used for a period of time.

WARNING

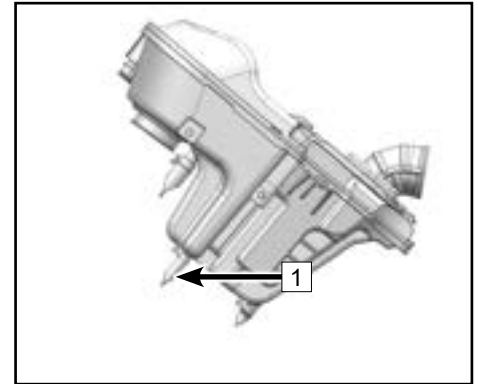
When valves and valve seat tappets are worn, and adjustment of the valve clearance is not performed, it will eventually result in no clearance or keep the valves partly open, which reduces performance, creates valve noise, and can cause serious engine damage. Valve clearance for each valve should be inspected and adjusted in accordance with the Periodic Maintenance Chart. Inspection and adjustment should be performed by a CFMOTO dealer.

MAINTENANCE

Air Filter

A clogged air filter restricts air flow, increases fuel consumption, reduces engine power, and causes spark plug fouling. The air filter element must be cleaned in accordance with the Periodic Maintenance Chart. When driving in dusty, rainy or muddy conditions, the air filter element should be serviced more frequently than the recommended interval in the Periodic Maintenance Chart. Due to the vehicle's design, air filter service should be performed only by an authorized dealer.

Indicator hose **1** alerts you to excessive dirt, residual oil or water in the air filter.



CAUTION

Oil on tires, plastic or other parts will cause damage.

Intaking unfiltered air will have a negative effect on the service life of the engine.

Never start or use the vehicle without an air filter.

Throttle Body

The stop screws on the throttle body have been set precisely and cannot be adjusted. Inspect the vehicle to see whether its idling is stable, and if the idling is not stable, please ask CFMOTO to assign professional technicians to deal with this problem.

MAINTENANCE COOLING SYSTEM

Radiator and Cooling Fan

Inspect the radiator fins for deformation and obstruction by mud, and clean off any obstruction with clean water.

WARNING

When the fan is working, prevent your hands and clothing from getting inside the fan to avoid any injury.

Using high-pressure water to clean the vehicle could damage the radiator fins and reduce the radiator's effectiveness.

Mounting unauthorized accessories in front of the radiator or behind the cooling fan may obstruct or change the radiator airflow, and can lead to overheating and damage.

If the radiator pipe is obstructed more than 20% by irremovable obstructions or irreparable deformed fins, then replace it with a new radiator.

Radiator Hoses

Inspect the radiator hoses for leaks, cracks, aging, rust, corrosion and connections for leaks or looseness daily before riding the motorcycle. Inspect the vehicle in accordance with the Periodic Maintenance Chart.

MAINTENANCE

Coolant

Coolant absorbs heat from the engine and transfers it to the air by the radiator. If the coolant level is too low, the engine will overheat and may suffer from severe damages. Inspect the coolant level daily before riding the motorcycle and perform maintenance in accordance with the Periodic Maintenance Chart. Replenish the coolant if its level is too low.

To protect the cooling system (engine and radiator are made of aluminum) from rust and corrosion, the use of anti-corrosion and anti-rust chemicals in the coolant is essential. If the coolant has already these chemicals, there is no need to add them separately.

DANGER

Coolant is toxic and harmful to health.

Do not allow the coolant to touch skin, eyes or clothing.

If coolant is swallowed, see a doctor immediately.

If coolant touches the skin, flush the skin with plenty of clean water immediately.

If coolant touches the eyes, flush the eyes with plenty of clean water and see a doctor immediately.

If coolant splashes on clothes, change the clothes and wash them immediately.

Any corrosion or rust remains from the engine and radiator should be disposed of by special instructions, because the chemicals inside are harmful to the human body.

MAINTENANCE

CAUTION

Do not add tap water to the coolant system, or it will cause deposits inside the cooling system. When the temperature is below 0°C, ice will occur and severely affect the coolant system and damage the engine. Available bottled antifreeze in the market contains anti-corrosion and anti-rust chemicals. When it is diluted, it loses its anti-corrosion and anti-rust functions. Keep the diluted concentration of antifreeze the same as the instructions from the manufacturer.

When replenishing the coolant, ensure it contains ethylene glycol. When the environment temperature is below -31°F (-35°C), please ensure the coolant has a freezing point below -31°F (-35°C).

CFMOTO coolant is an Organic Acid Technology (OAT) formula. When replenishing or replacing coolant, verify the label states 'compatible with one or more of the following formulas: OAT or Si-OAT, G30, G40, G12++'

MAINTENANCE

Coolant Level Inspection

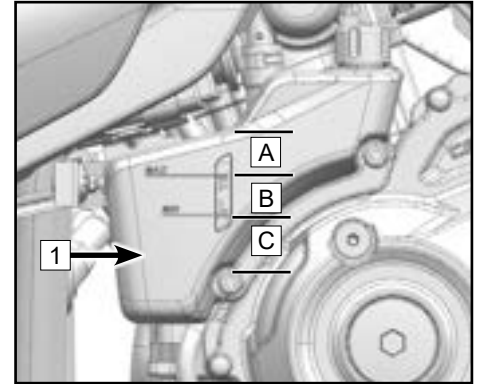
Support the vehicle vertically on a level surface.

Inspect the coolant level in the reservoir **1**.

If the level is at area 'A': Drain out the redundant coolant until it is at area 'B'.

If it is at area 'B': The coolant is at the proper level.

If the level is at area 'C' or cannot be seen: Replenish it with the same coolant until the level is at area 'B'.



WARNING

When the vehicle is running, the coolant will have a very high temperature and stay in a state of compression.

Before the engine or cooling system has cooled down completely, do not open the radiator cover, radiator hoses, reservoir or other cooling-related parts.

In the event of scalding, wash the affected area immediately with running water for more than 10 minutes until pain cannot be felt and see a doctor.

MAINTENANCE

Coolant Replenishment

Open the reservoir cover and replenish coolant to area B shown on the previous page.

CAUTION
--

If coolant needs to be replenished frequently, or the reservoir is completely dry, there is probably a leak in the system. Have the cooling system inspected by an authorized dealer.

Only original CFMOTO coolant is recommended. Contact your dealer for replacing coolant. Mixing different coolants may lead to engine damage.

MAINTENANCE TIRES AND CHAIN

This vehicle only uses tubeless tires, rims and inflating valves. Only use the recommended standard tires, rims and inflating valves. Do not mount inner tube tires on tubeless rims. Improper mounting of tires may cause air leakage. Do not mount an inner tube inside a tubeless tire.

Tire Specifications

Tire specifications	Front wheel	110/70 R17 54H M/C
	Rear wheel	150/60 R17 66H M/C
Tire pressure	Front wheel	32.6 PSI (225 kPa)
	Rear wheel	35.5 PSI (245 kPa)
Minimum tread depth	Front wheel	0.03 in ~ 0.04 in (0.8 mm ~ 1 mm)
	Rear wheel	0.03 in ~ 0.04 in (0.8 mm ~ 1 mm)

Improper tire pressure or exceeding the tire load limit may affect vehicle handling and performance, causing a loss of control. Too-low tire pressure may cause the tire improper wear or overheating. Periodically inspect the tire pressure with a tire pressure gauge, and adjust tire pressure accordingly. Proper tire pressure offers the best comfort and the longest service life.

NOTE: Inspect the tire pressure when the tires are cold.

Tire pressure is affected by changes in environment temperature and altitude. If the temperature and altitude drastically change during riding, tire pressure should be adjusted and inspected accordingly. Most countries have their own regulations of minimum tread depth. Please follow local regulations. When mounting new rims or tires, always inspect the wheel balance of the tires.

MAINTENANCE

CAUTION

In order to ensure safe and stable operation, please only use the tire and tire pressure recommended. If the tire is punctured and repaired, please do not ride the vehicle over 60 mph (100 km/h) until 24 hours after the repair, and the speed cannot exceed 80 mph (130 km/h) at any other time.

The front and rear tires should come from the same manufacturer with the same tread pattern.

New tires can be slippery and may cause a loss of control and injury. Please ride the vehicle in proper ways and use different tilt angles to have the tires create friction with the ground over the entire surface. Normal friction surface will be formed after a break-in period of 100 miles (160 km). Avoid sudden braking, heavy acceleration, and high-speed sharp turns during the break-in period.

MAINTENANCE

Tire Friction

When tire tread wears too severely and the tire cannot be used, the tire becomes more susceptible to punctures and failures. An accepted estimate is that 90% of all tire failures occur during the last 10% of tire service life, so it is unsafe to continue to use bald tires. In accordance with the Periodic Maintenance Chart, measure the depth of the tread with a depth gauge, and replace any tire that has been worn down to the minimum allowable tread depth.

Visually inspect the tire tread for cracks and cuts, and replace it with a new tire if it is severely damaged. For example, if partial expansion appears on the tire, it means the tire is broken.

Remove any embedded stones or other foreign particles from the tread.

CAUTION

When the environment temperature is below 14°F (-10°C), it is recommended to place the vehicle indoors if required to be stored for a long time.

Do not use the side stand to park the vehicle for long time in winter. Use the center stand (if equipped) or rear-wheel stand to park the vehicle and free the tires of the wheel weight.

Do not allow the tires to sink into snow or ice for a long time when parking the vehicle in winter.

When parking the vehicle for a long time outside in winter, it is recommended to put objects that can preserve heat (such as branches, paper or sand) under the tires.

MAINTENANCE

Drive Chain Inspection

The looseness and lubrication of the drive chain must be inspected daily before riding and safety cautions in the Periodic Maintenance Chart must be observed to prevent excessive wear. If the chain becomes badly worn or maladjusted, it will cause the chain to be too loose or too tight.

If the chain is too tight, it will accelerate the wear to the chain, sprocket, rear sprocket and rear rim. Some parts may crack or break when the vehicle is overload.

If the chain is too loose, the chain may fall off from the sprocket or rear sprocket, which may cause locking of the rear wheel or damages to engine.

The service life of the drive chain largely depends on the maintenance.

Chain Dirt Inspection

Periodically inspect the chain for dirt, especially after riding in severe conditions.

If the chain is extremely dirty, flush any large dirt particles with a soft flow of water. Clean any residual dirt and residual lubricant with a proper chain cleaner.

Spray the chain with a proper chain lubricant after the chain is dry.

WARNING

When spraying chain lubricant, do not splash the lubricant onto other parts. Lubricant on the tires will decrease the tire grip, and lubricant on the brake discs will decrease the brake performance. Clean these components with a proper cleaner if the over-spray occurs.

MAINTENANCE

Chain Tension Inspection

Shift into neutral.

Park with the side stand.

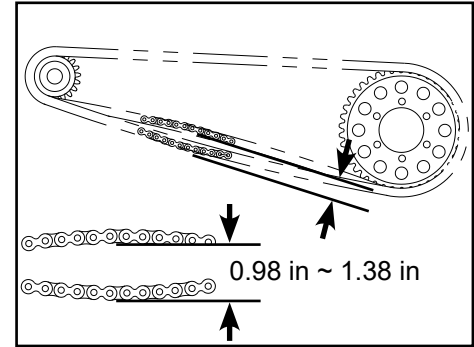
Push up the chain to inspect its tension.

If the chain tension is not in line with relevant specifications, then adjust it to the standard.

Standard value: 0.98 in ~ 1.38 in (25 mm ~ 35 mm)

NOTE:

The wear of the chain is not always uniform, and the tension should be repeatedly measured by rotating the rear wheel several times in different positions.



Drive Chain Tension Adjustment

Loosen the rear wheel shaft nut [1].

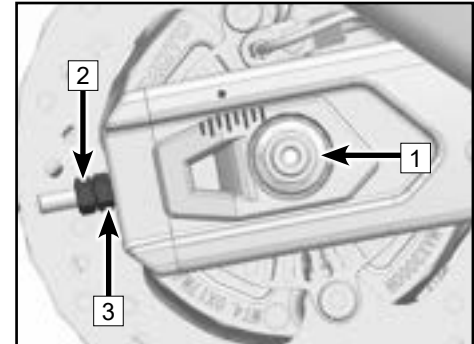
Loosen the left and right locking nuts [2].

Screw the left and right adjusting nuts [3] to adjust the chain tension, ensuring the alignment marks on the left and right adjusting block are the same with the reference mark position.

Tighten the left and right locking nuts.

Tighten the rear wheel shaft nut.

Torque: 77.4 ft-lb ~ 81.1 ft-lb (105N•m~110N•m)



MAINTENANCE

Wear inspection

Turn off the vehicle's power supply, and shift the transmission into neutral.

Support the vehicle by the frame.

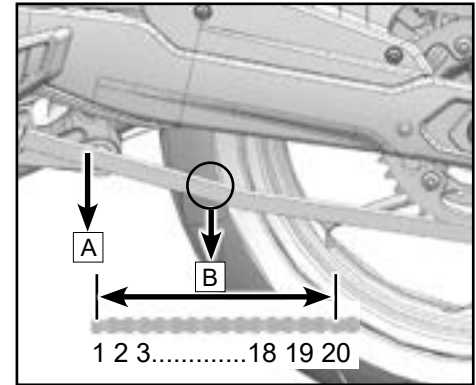
Apply chain tensioning or hang a 22 lb (10 kg) object on the chain at the location shown [A].

Measure the elongated length [B] between 20 links.

NOTE: Chain wear is not always uniform. It should be measured several times in different locations.

Maximum length [B] for 20 links: 12.6 in (320.7 mm)

If the max length [B] is longer than the specified length, then replace the chain, rear sprocket and engine sprocket.



MAINTENANCE

DANGER

For your safety, please use the standard chain. When the chain is elongated, never cut the chain and use it again. Have it replaced by an authorized CFMOTO dealer.

If the chain is replaced, then replace the rear sprocket and engine sprocket at the same time. Otherwise, the new chain will wear out faster.

Inspect the chain, rear sprocket teeth and engine sprocket teeth for any kind of wear. If the chain, engine sprocket or rear sprocket is worn, then replace the whole set.

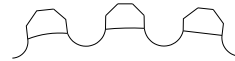
NOTE: Chain, rear sprocket and engine sprocket should be replaced at the same time.

Chain guard

Replace the chain guard if it is badly worn at marks .

Inspect whether the chain guard is firm. If it is loose, tighten its mounting bolts to the specified torque.

Torque: 3.7 ft-lb (5 N•m)



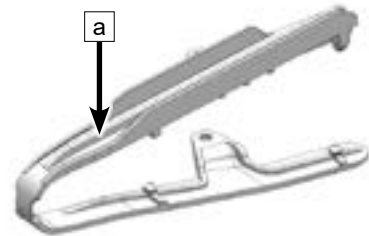
Standard Teeth



Worn Teeth



Damaged Teeth



MAINTENANCE BRAKE SYSTEM

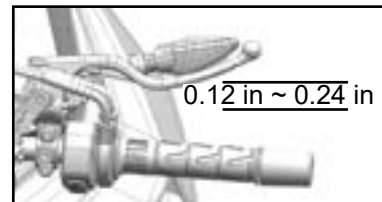
In order to maintain excellent performance of your vehicle and personal safety, please inspect and maintain the vehicle according to the Periodic Maintenance Chart. Make sure all the parts of the brake system are in a good state. If any damage occurs to the brake system, please stop riding and have your vehicle inspected and maintained by an authorized dealer.

Front Brake Lever Inspection

Park the vehicle with the side stand on level ground.
Grip lightly the front brake lever and inspect its free play.

Free play: 0.12 in ~ 0.24 in (3 mm ~ 6 mm)

Inspect the front brake lever for any cracks or abnormal noise.
If these problems occur, replace the front lever with a new one.

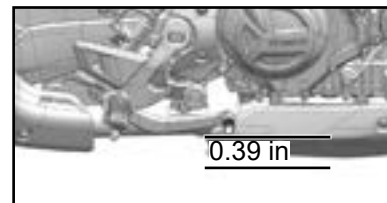


Rear Brake Pedal Inspection

Park the vehicle with the side stand on level ground.
Lightly grip the rear brake pedal and inspect its free play.

Free play: 0.39 in (10 mm)

Inspect the rear brake pedal for any cracks or abnormal noise.
If these problems occur, replace the rear lever with a new one.



WARNING

If the brake levers and pedals feel soft, there may be air or lack of fluid in a brake fluid hose. If the vehicle has this dangerous condition, do not ride the vehicle. Have the brake system inspected immediately by an authorized CFMOTO dealer.

MAINTENANCE

Brake Fluid Level Inspection

Support the vehicle vertically on level ground, and confirm the brake fluid reservoirs are level.

Inspect the front and rear brake reservoir fluid levels.

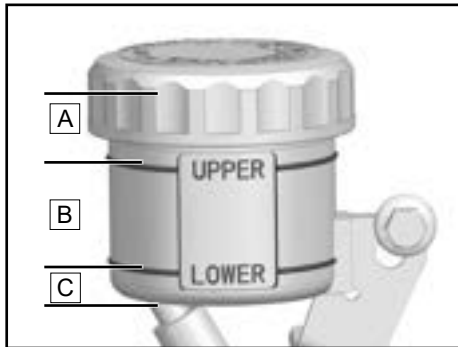
If the brake fluid level is at area 'A': Drain out the redundant fluid until it is at area 'B'.

If the brake fluid level is at area 'B': The level is proper.

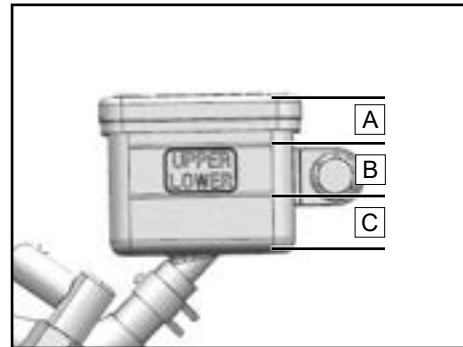
If the brake fluid level is at area 'C' or cannot be seen: Replenish it with the same brake fluid until the level is at area 'B'.

WARNING

If the brake fluid level drops to area 'C' frequently, the brake system is leaking, not sealed, or is damaged. Have the brake system inspected immediately by an authorized CFMOTO dealer.



Front brake fluid reservoir



Rear brake fluid reservoir

MAINTENANCE

Brake Fluid Replenishment

WARNING

Brake fluid can irritate the skin.

Keep brake fluid out of the reach of children.

Keep brake fluid away from skin, eyes or clothing. Wear protective clothing and goggles when operating the vehicle.

If brake fluid is swallowed, see a doctor immediately.

If brake fluid touches the skin, wash the skin with plenty of clean water.

If brake fluid touches the eyes, wash eyes immediately with clean water and see a doctor immediately.

If brake fluid spills onto your clothing, change the clothing and wash it immediately.

WARNING

Brake fluid used for a long time will reduce braking efficiency. Please change the brake fluid according to the Periodic Maintenance Chart. Only use the same type of brake fluid as marked on the fluid reservoir. Mixing different brake fluids may cause brake system damage or failure, so it is recommended to always use the original CFMOTO brake fluid. If you cannot meet this requirement, please contact your authorized CFMOTO dealer for brake fluid maintenance.

NOTE

When the brake fluid level goes down, it causes negative pressure inside the fluid reservoir, which may lead the reservoir gasket to sag. Remove the reservoir cap to release the pressure, adjust the reservoir gasket, and then remount the gasket and cap.

MAINTENANCE

Front Brake Fluid Reservoir

Remove screws [1]. Remove the bracket [2].

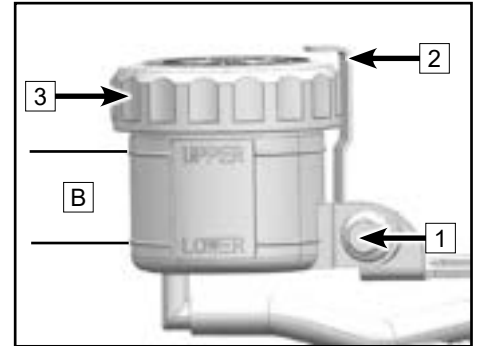
Remove the cover and reservoir gasket [3].

Replenish brake fluid to area 'B'.

Remount the cover and reservoir gasket.

Mount the bracket [2] and screw [1].

NOTE: Inspect for oil spills. If any, wipe them off.



Rear Brake Fluid Reservoir

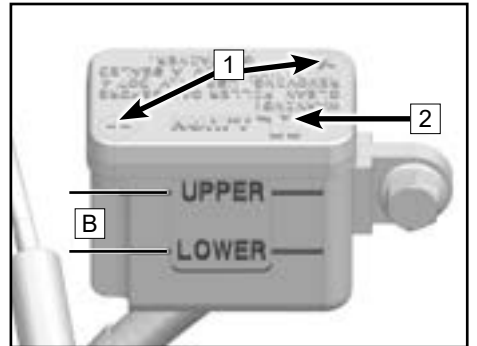
Remove screws [1].

Remove the cover and reservoir gasket [2].

Replenish brake fluid to area 'B'.

Remount the cover and reservoir gasket.

Mount the screws [1].



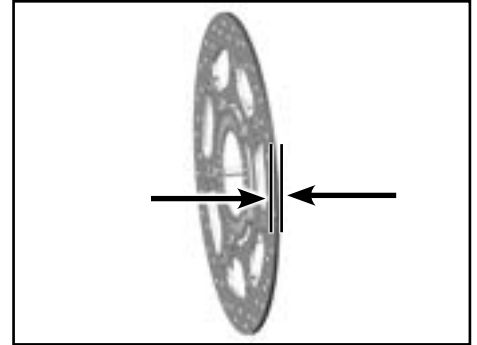
MAINTENANCE

Brake Disc Inspection

Inspect brake discs periodically for any damage, out of shape, cracks or wear. Damaged brake discs may cause braking failure. Worn-out brake discs will decrease braking performance. If brake discs are damaged or exceed the wear limit, contact an authorized dealer to replace them with new ones immediately.

Inspect the thickness of front and rear brake discs in several positions.

Front and rear brake discs wear limit: 0.16 in (4 mm)



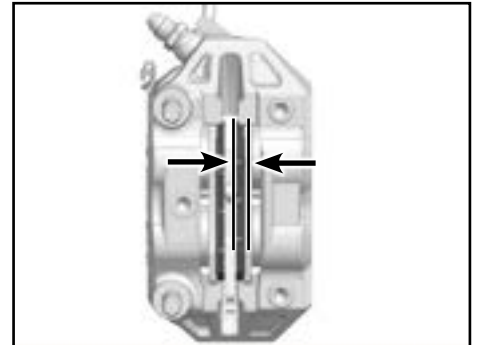
Brake Caliper Inspection

Inspect the brake calipers before riding. Inspect the minimum thickness of brake pads periodically. If the brake pads are too thin, their brackets will rub the brake discs, which will severely reduce brake effect and damage the brake pads.

Inspect the minimum thickness of brake pads on all brake calipers.

Brake pad minimum thickness: 0.05 in (1.3 mm)

If the brake pad thickness is less than the minimum limit, or the brake pads are damaged, please contact an authorized dealer immediately to replace the pads in pairs.



MAINTENANCE

Anti-Lock Braking System (ABS)

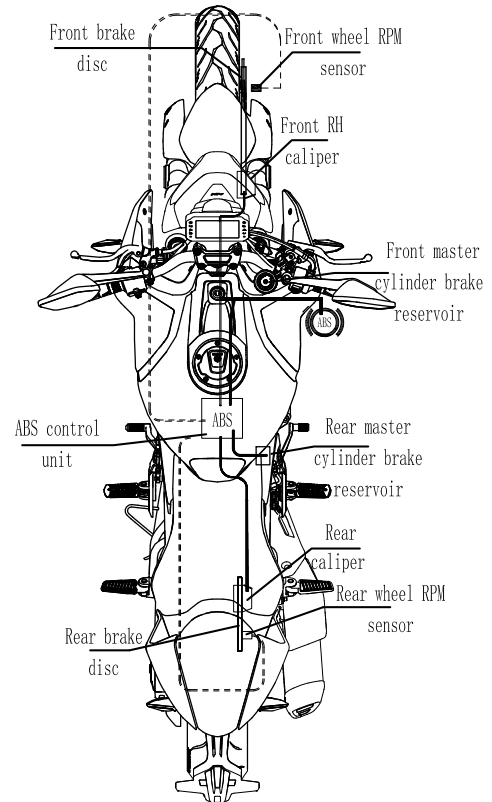
ABS is a safety system that prevents wheel lock when riding in a straight line or a curve without the influence of lateral forces. With the assistance of ABS, when riding on gritty, water-logged, sliding or other slippery roads, the vehicle can use its full brake force without locking the wheels.

DANGER

Driving assistance can only prevent rollovers within certain physical limits. In extreme driving conditions, such as a high center of gravity from cargo, changing road conditions, steep slopes and full-speed braking without releasing the brake, motorcycle rollovers may occur.

ABS works with two independent brake circuits (front and rear brakes). When the brake electronics control unit detects a locking tendency in a wheel, ABS begins to work by adjusting the brake pressure. The adjusting process can be felt through as a slight pulsing of the front or rear brake pedals.

When turning on the ignition switch, the ABS indicator will turn on and then turn off after the motorcycle begins traveling. If the ABS indicator is still on after travel begins or it lights up again during riding, the ABS has detected a fault. If a fault occurs, ABS will deactivate. The brake system itself will function normally, but ABS is unavailable to prevent wheel lockup, so the wheels may lock during hard braking.



MAINTENANCE

SHOCK ABSORBERS

Shock Absorber Inspection

Holding the handlebar and squeezing the front brake, compress the front fork several times to inspect it for smooth operation.

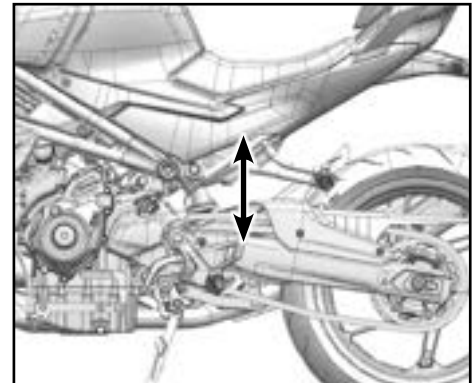
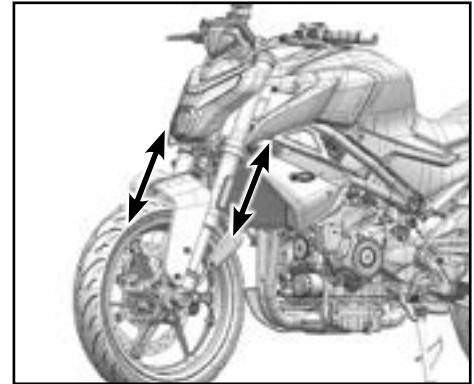
Visually inspect the front shock absorbers for oil leaks and front fork parts for scratches or friction noise.

After riding, inspect the front fork to see whether it has mud, dirt or debris, and if so, clean them, or they will lead to oil seal damage and shock absorber oil leak.

Press down the seat several times to inspect it to see whether the rear shock absorber works smoothly.

Inspect the rear shock absorber for oil leak.

If you have any doubt about the front or rear shock absorber performance, please contact an authorized CFMOTO dealer.



MAINTENANCE

Rear Shock Absorber Adjustment

The shock absorber has been adjusted at the factory to the position suitable for most situations.

Spring Preload Adjustment

Setting the spring preload produces a comfortable driving experience but also affects vehicle handling. Adjusting the spring preload could produce optimal support and damping.

Record the current setting (for example, the length of the spring) before adjusting the spring preload.

Spring length without being compressed [A]: 7.0 in (178 mm)

Spring length factory setting [B]: 6.7 in (170 mm)

The difference between [A] and [B] is [C]: 0.3 in (8 mm)

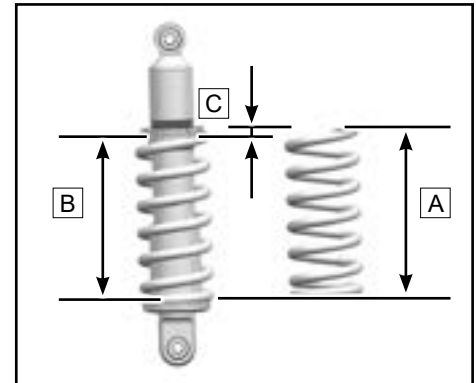
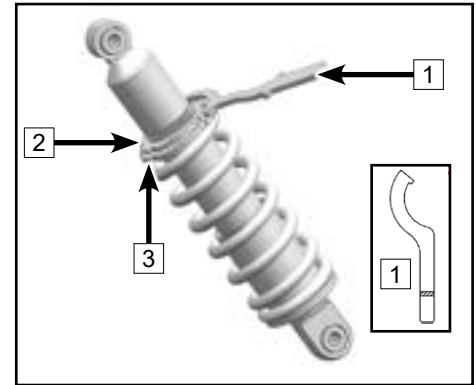
Loosen the locking nut [2] with the shock absorber adjusting wrench [1]. Rotate the adjusting nut [3] to the desired spring preload, and re-secure the locking nut [2].

NOTE: Each adjustment turn is 0.05 in (1.5 mm).

Maximum (Hard): spring length of 6.4 in (163 mm)

Minimum (Soft): spring length of 6.8 in (175 mm)

NOTE: Contact a CFMOTO dealer before attempting any preload adjustment.



MAINTENANCE

DANGER

This part contains high-pressure nitrogen. Improper operation may cause an explosion. Read the relevant instructions. Don't throw it into fire, make holes in it, or open it.

MAINTENANCE

ELECTRICAL SYSTEM AND LIGHTS

Battery

The battery in this vehicle is a lead-acid battery. It is unnecessary to inspect the amount of battery electrolyte or add distilled water. To ensure optimum service life of the battery, keep the battery charged properly to ensure the battery has reserve capacity available at the starter motor. When the motorcycle is used frequently, the battery charge is maintained by the motorcycle charging system. If the motorcycle is used only occasionally, or is used only for short rides, the battery can remain discharged. Batteries can also self-discharge from infrequent use. The rate of discharge varies by battery type and ambient temperature. When the environmental temperature rises, for example, the rate of discharge could increase by a factor of 1 for every 15°C temperature rise.

In cold weather, an improperly charged battery may have frozen electrolyte, which may lead to battery cracking or warped electrode plates, which appear as a bulge on the battery sides. Proper, full charging of the battery improves its freeze-proof capability.

CAUTION

To avoid battery damage and power loss, do not idle the vehicle for more than 30 minutes. Otherwise the vehicle cannot be started.

Battery sulfation

A common battery failure is sulfation. When the battery is short of power for a long time, electrolyte can be sulfated. Sulfation is an abnormal product produced by chemical reactions in the battery. If battery sulfation occurs, battery discharging can cause the battery plate permanent damage, and cause the battery to be impossible to be charged. When such a failure occurs, the battery must be replaced with a new one.

MAINTENANCE

Battery maintenance

Always keep the battery fully charged, or the battery may be damaged.

If the vehicle is driven infrequently, inspect the battery voltage weekly with a voltmeter. If it drops below 12.8 volts, the battery should be charged (contact your dealer for an inspection). If you will not use the vehicle for longer than 2 weeks, the battery must be charged with a charger. Do not use an automotive quick-charger, which may overheat the battery and damage it. If the vehicle is not used for one month or longer, please remove the battery, and place it in a dry, cool place. Fully charge the battery before remounting it.

Clean the battery case with a soft brush dipped in a mixture of baking soda and water.

Use a wire brush to remove corrosion on positive and negative lug plates and positive and negative anodes.

Battery charger

Low-maintenance lead-acid batteries require special chargers (constant low voltage/ampere). Using traditional battery chargers will reduce battery life. Contact your dealer for battery charger specifications.

Battery charging

Remove the battery from the vehicle. It must be removed from the vehicle while it is being charged.

Connect the charger cables, and ensure that the charging current is 1/10 A of the battery capacity. For example, if battery capacity is 10 Ah, the charging current should be 1 ampere.

Ensure that the battery is fully charged before mounting it in the vehicle.

WARNING

Do not remove the battery's sealing strip, or the battery will be damaged. Do not mount an ordinary battery in this motorcycle, or the electrical system will not work properly. When removing the battery, firstly disassemble the negative pole and then the positive pole. During mounting, the connection sequence of positive and negative poles is opposite to that of disassembly.

NOTE: When charging a low-maintenance lead-acid battery, always follow the instructions in this manual.

MAINTENANCE

Battery Removal

Place the vehicle on flat ground and park it.

Completely turn off the engine and power supply of the vehicle.

Flip up the tail part of the front seat assembly [1], and remove the bolts [2].

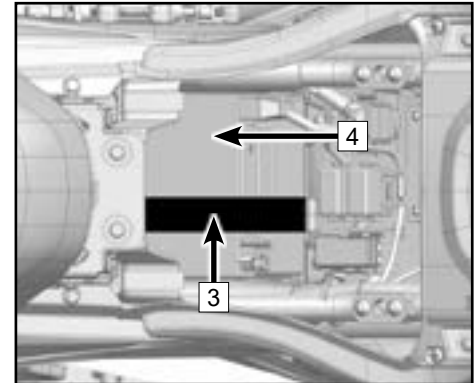
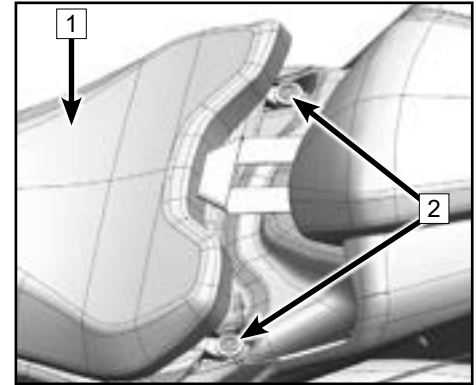
Remove the front seat assembly [1].

Remove the black negative wire (-).

Remove the red positive wire (+).

Remove the battery belt [3].

Remove the battery [4].



MAINTENANCE

Battery Mounting

Park the vehicle on flat ground.

Ensure that the vehicle's key is in the closed position.

Put in the battery.

Mount battery belt.

Mount the red positive wire (+).

Mount the black negative wire (-).

Remount the front seat assembly.

WARNING

Avoid direct touching with the skin, eyes and clothing. Always protect eyes when working near the battery. Keep the battery out of reach of children. Keep the battery away from sparks, open flames, cigarettes, or other ignition points. When using or charging batteries in a confined space, ventilate the area.

Battery acid detoxification treatment:

External: Rinse the touched area with clean water.

Internal: See a doctor immediately.

Eyes: Rinse the eyes with clean water for 15 minutes and see a doctor immediately.

CAUTION

Improper disassembly and assembly of positive and negative wires may lead to a short circuit between the battery and the vehicle body.

MAINTENANCE

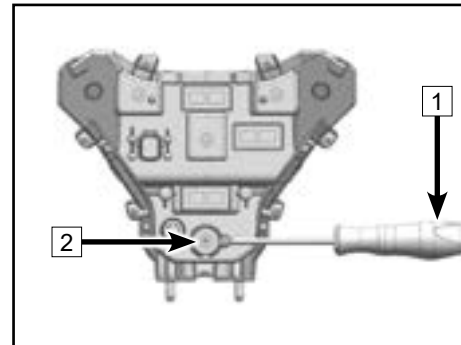
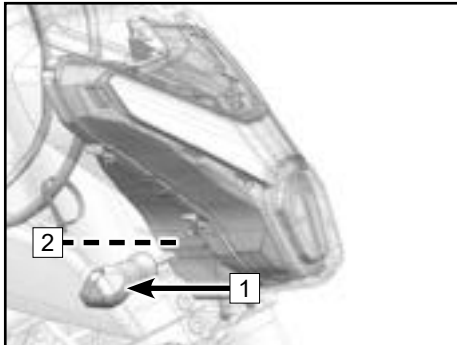
Lights

Headlight beam is adjustable. Rotate the light adjusting knob [2] with a Philips screwdriver [1] to adjust light.

CAUTION

Adjustment of high / low beams should be in accordance with local regulations. The standard is based on the light emitted when front and rear wheels touch down the ground and the rider sits on the vehicle.

All the lights are LED lights. Have your dealer replace the entire assembly if an LED is damaged or has failed.



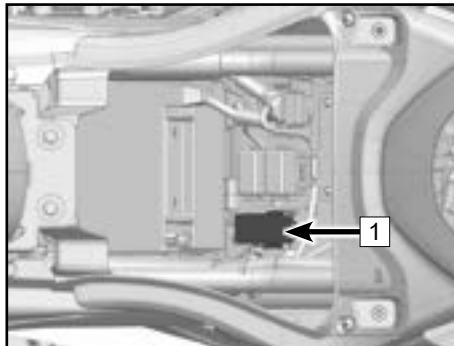
MAINTENANCE

Fuses

Fuse box **1** is under the front seat. It is visible after removing this seat (see the battery removal section for details). If a fuse is blown, inspect the electrical system for damage and replace the fuse with a new one.

WARNING

Do not use any wire to substitute for the standard fuse. Replace a blown fuse with a new one of the same ampere. Ampere value is shown on fuse.



MAINTENANCE CATALYTIC CONVERTER

This motorcycle is equipped with a catalytic converter in the exhaust system. Platinum and rhodium contained inside the converter react with carbon monoxide and convert hydrocarbons into carbon dioxide and water.

For proper operation of the catalytic converter, the following cautions must be followed:

Only use unleaded gasoline. Never use leaded gasoline, which significantly reduces the service life of the catalytic converter.

Do not let the vehicle skid when the ignition switch or the stop switch is off. Do not attempt to start the engine for a longer time when the battery is low in power. When the gear is not in Neutral, do not drag the vehicle or let the piston move. Under these improper conditions, extra unburned air/fuel mixture can flow into exhaust system, accelerating the reaction with the converter which will damage the heated engine, or reduce the converter performance when the engine is cooled off.

CAUTION

Only use unleaded gasoline. Even only a little lead can damage the precious metals inside the catalytic converter, causing catalytic converter failure. Do not add anti-rust oil or engine oil into the muffler, which may result in catalytic converter failure.

MAINTENANCE

EVAPORATIVE EMISSION CONTROL SYSTEM

This vehicle is equipped with an EVAP System. Fuel vapors from the fuel tank are drawn into a carbon tank through an absorption tube. The fuel vapors are absorbed by active carbon in carbon tank when the engine is stopped. When the engine is running, fuel vapors absorbed in the carbon tank will flow into the engine combustion chamber and get burned, avoiding environmental pollution by preventing fuel vapors being discharged directly into the air. Meanwhile, air pressure inside the fuel tank can be balanced by the absorption tube. If inner pressure of fuel tank is lower than the outside, it can be balanced through the air tube of the carbon tank and absorption tube. In this context, all tubes should always remain clear without being blocked or squeezed, etc., and the anti-toppling valve should be mounted correctly. Otherwise the fuel pump could be damaged, the fuel tank could deform or break, or other parts may be damaged.

Please contact a CFMOTO dealer if the EVAP System has failed. Do not modify the System, or the System will not meet requirements for environmental regulations. After disassembly and repair, tube connections should be well connected without air leakage, blocking, and tubes should be without being squeezed, broken or damaged, etc.

CLEANING & STORAGE

General Precautions

Keeping your motorcycle clean and in the best performance will extend its service life. Protecting your motorcycle with a high quality, breathable motorcycle cover.

- Always clean the motorcycle after the engine and exhaust system have cooled.
- Avoid applying detergents on seals, brake pads, and tires.
- Clean the vehicle by hand. Do not use high-pressure spray.
- Avoid all chemicals, solvents, detergents, and household cleaning products like ammonium hydroxide.
- Gasoline, brake fluid, and coolant will damage painted surfaces. Wash them off with water immediately if splashed on any surface.
- Do not use metal brushes, steel wool, and all other abrasive pads or brushes to clean the vehicle.
- Be cautious when washing the windshield, headlight cover, and other plastic parts as they can be easily scratched.
- Avoid high-pressure sprayers, as the water may penetrate into seals and electrical components to damage the vehicle.
- Avoid spraying water into No-water areas such as air intakes, fuel system, electrical components, muffler outlets and the fuel tank lock.

CLEANING & STORAGE

Washing the Vehicle

- Rinse the vehicle with cold water to remove any loose dirt.
- Mix a bucket of detergent (specialized for motorcycles or automobiles) with water. Use a soft cloth or sponge to wash your motorcycle. If necessary, use a mild degreaser to remove any oil or grease. Start at the top of the motorcycle and wash bottom parts last.
- After washing, rinse your motorcycle with clean water to remove any residue (residue from the detergent can damage the components of your motorcycle).
- Dry off your motorcycle with a soft cloth and inspect it for any scratches.
- Start the engine and allow it to idle for several minutes. The heat from the engine will help dry off the vehicle in moist areas.
- Carefully ride the motorcycle at low speed and apply the brake several times. This will help to dry the brakes and restore their normal operating performance.
- Lubricate the drive chain to prevent rusting.

NOTE: When riding in areas where the roads are salted or near the ocean, clean the motorcycle after your ride with cold water immediately. Do not use warm water to wash your vehicle as it accelerates the chemical reaction of the salt. After drying the vehicle, apply an anti-rust and anti-corrosion oil to all metal unpainted surfaces. While riding during a rainy day or just washing the motorcycle, spray may form on the inside of the headlight shade. If this happens, start the engine and turn on the headlight to remove the moisture.

CLEANING & STORAGE

Polishing the Surface

After washing your motorcycle, polish the painted metal and plastic surfaces with a specialized motorcycle or automobile wax. Wax should be applied every three months or as required, to avoid the surface from having satin lines or being lackluster. Always use non-abrasive wax and apply them according to the instructions.

Windshield (if Equipped) and Other Plastic Parts

After washing, use a soft cloth to gently dry off plastic parts. When the motorcycle is dry, use specified cleaning or glazing procedures for windshield glass, light shades and other uncoated plastic parts.

CAUTION

Plastic parts may deteriorate and break if they are exposed to chemical substances or household cleaning products such as gasoline, brake fluid, window cleaners, thread locker, or other chemicals. If a plastic part is exposed to any chemical substance, wash it off with water immediately, and then inspect for damage. Avoid using abrasive pads or brushes to clean surfaces of plastic parts, as they will damage their luster.

Chrome and Aluminum (if Equipped)

Chromium alloy and unpainted aluminum parts exposed to the air can oxidize and thus will be lackluster. These parts should be cleaned with a detergent and polished with a lustering agent. Painted and unpainted aluminum wheels should be cleaned with specialized detergents.

Leather, Vinyl and Rubber Products (if Equipped)

If your motorcycle has leather accessories, use specialized treatments to clean them. Washing leather accessories with detergents and water will damage them and shorten their life.

Vinyl parts should be cleaned separately.

Tires and other rubber components should be treated with a rubber protective agent to prolong their life.

CLEANING & STORAGE

DANGER

Special care must be given to tires. Ensure that rubber-protective agents applied to tires will not affect their functions. Incorrect treatment applications may decrease the traction between the tire and ground, possibly causing a loss of control.

Preparation for Storage

Clean the entire vehicle thoroughly.

Run the engine for about 5 minutes, stop the engine, then empty all engine oil.

DANGER

Motorcycle oil is toxic. Dispose of used oil properly. Keep the used oil out of reach of children. If skin touches the oil, it should be washed off immediately.

Replenish with new engine oil.

Replenish fuel and the appropriate fuel additive.

DANGER

Gasoline is extremely flammable and explosive under certain conditions. Turn the ignition key to off position  before fueling. Do not smoke. Make sure the area is well ventilated and free of any source of flame or sparks and any appliance with a pilot light. Gasoline is a toxic substance. Dispose of it properly. If skin touches fuel, it should be treated immediately. Keep fuel out of reach of children.

Reduce tire pressure at least by 20% during storage period.

Raise wheels off the ground using wood boards to keep the vehicle away from moisture.

Spray a corrosion inhibitor on all unpainted metal surfaces to prevent rusting. Avoid spraying on rubber parts or on the brakes.

CLEANING & STORAGE

Lubricate drive chains and all cables.

Remove the battery. Store it in a cool and ventilated place. Ensure that the battery is fully charged according to the Periodic Maintenance Chart.

Wrap plastic bags over the muffler exhaust pipe to prevent moisture from entering.

Put a cover over the motorcycle to prevent dust and dirt.

Preparation After Storage

Remove the plastic bags from the muffler.

Charge the battery if necessary, then mount the battery.

Do all daily safety inspections.

Lubricate any pivot points as necessary.

Take a test ride.

Transporting Your Vehicle

If your vehicle needs to be transported, it should be carried on a motorcycle trailer, a flatbed truck, or trailer that has a loading ramp or lifting platform, and it should be properly secured with motorcycle tie-down straps. Never try to tow your vehicle with a wheel or wheels on the ground.

CLEANING & STORAGE

WARNING

The warning function of the T-BOX (if equipped) can be triggered by bumps during transportation, which will lead to battery consumption. To avoid this issue, disconnect the battery before transportation.

Battery disconnection operation

Use the proper tool (such as a wrench) to remove the bolt for the battery's negative terminal.

Remove the negative wire from the battery terminal, and wrap this wire with insulated rubber tape to prevent a short circuit.

Make sure there is no contact between the negative wire and the battery terminals.

Recover the power supply after the transportation

After transportation, re-install the negative wire and bolt on the battery.

Check whether the electronic equipment on the vehicle is working normally.

Precautions

A power interruption may cause some electronic devices (e.g., clocks, instrument settings) to reset. Please record any important information before disconnecting the power supply.

NOTE: The electrical system section of this manual has more details about battery removal and installation.

COMMON PROBLEMS AND CAUSES

Problem	Component	Cause	Solution
Engine fails to start	Fuel system	No fuel in fuel tank	Refuel
		Pump blockage or damage: poor fuel quality	Clean or replace
	Ignition system	Spark plug failure: excessive carbon deposits, too long-time usage	Inspect or replace
		Spark plug cap failure: Poor contact or burning	Inspect or replace
		Ignition coil failure: poor contact or burning	Inspect or replace
		ECU failure: Poor contact or burning	Inspect or replace
		Trigger coil failure: poor contact or burning	Inspect or replace
		Stator failure: poor contact or burning	Inspect or replace
		Wiring failure: poor contact	Inspect or adjust
	Cylinder system	Starting mechanism failure: worn or damaged	Inspect or replace
		Intake and exhaust valves, and valve seats failure: too much fuel colloidal or too long-time use	Inspect or replace
		Cylinder, piston, piston ring failure: too much fuel colloidal or wear	Inspect or replace
		Intake pipe leakage: too long-time use	Inspect or replace
		Valve timing failure	Inspect or replace

COMMON PROBLEMS AND CAUSES

Insufficient power	Valve and piston	Intake and exhaust valves, excessive carbon deposits in the piston: poor fuel quality and poor oil quality	Repair or replace
	Clutch	Clutch slips; poor oil quality, too long-time use and overloading	Adjust or replace
	Cylinder and ring	Cylinder, piston rings wear; poor oil quality and too long-time use	Replace oil
	Brake	Incomplete separation of brake; too-tight brake	Adjust
	Main chain	Too-tight drive chain; improper adjustment	Adjust
	Engine	Engine overheating; too-rich or too-lean mixture, poor oil and fuel quality, shelters, etc	Adjust or replace
Insufficient power	Spark plug	Improper spark plug clearance	Adjust or replace
	Intake pipe	Air leakage of intake pipe; too long-time use	Adjust or replace
	Cylinder head	Air leakage for cylinder head or valves	Inspect or replace
	Electric system	Electrical system failure	Inspect or repair
	Air filter	Air filter clogging	Clean or adjust
Headlights, taillights or turn lights do not work	Cables	Poor connections	Adjust
	Left and right switches	Poor switch contact or switch damage	Adjust or replace
	Headlight, tail light, turn lights	LED and circuit board failure or damage	Replace
	Regulator	Poor connection or burning	Inspect or replace
	Magneto	Poor connection or burning	Inspect or replace

COMMON PROBLEMS AND CAUSES

Horn does not work	Battery	No electricity	Charge or replace
	Left switch	Horn button failure or damage	Adjust or replace
	Cables	Poor contact	Adjust or repair
	Horn	Horn damage	Adjust or replace

The listed above are common problems on a motorcycle. If your motorcycle has certain problems (especially in the electronic fuel injection system or fuel evaporation system), please contact an authorized CFMOTO dealer to inspect and repair the vehicle.

DANGER

Do not try to fix mechanical problems without professional help. Otherwise there may be safety risks or accidents. You become responsible for any accident related to any repairs or maintenance not performed by a CFMOTO dealer.

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash, injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying CFMOTO-USA. If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. Please note that NHTSA will not become involved in individual problems between you, your dealer, or CFMOTO-USA. To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA J200 New Jersey Avenue SE, West Building, Washington DC, 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

CFMOTO WARRANTIES FOR USA

WARRANTY INFORMATION

Change of Ownership

If you sell your vehicle, any valid remainder of the warranty can be transferred to the new owner. Please record the details of the exchange below and inform an authorized CFMOTO dealer:

Change of Ownership	Original Purchaser	2nd Owner	3rd Owner	4th Owner
Owner Name				
Address				
City				
State / Zip Code				
Telephone				
E-mail				
Date of Purchase				
Odometer Reading				
New Owner Signature				

NOTE:

If a completed Change of Ownership form does not include the required details or is inaccurate, CFMOTO reserves the right to investigate the actual ownership of the product, the service history, and possibly refuse the application for warranty transfer if the requirements have not been fulfilled.

CFMOTO WARRANTIES FOR USA

CFMOTO LIMITED WARRANTY

Dear Customer:

Thank you for purchasing a CFMOTO product. If any component on your vehicle is found to be defective in materials or workmanship within the terms and conditions of this CFMOTO Motorcycle Limited Warranty, the defective component will be repaired or replaced (at the option of CFMOTO) without charge for parts and/or labor at any authorized dealer located within the country of purchase. This warranty covers parts and labor charges for repair or replacement of defective parts and begins on the date of purchase by the original retail purchaser. This warranty is transferable to another owner during the warranty period through an authorized CFMOTO dealer, but any such transfer will not extend the original term of the warranty. The CFMOTO Limited Warranty is subject to the following terms and conditions:

WARRANTY TERMS & CONDITIONS

This CFMOTO Limited Warranty is subject to the following terms and conditions:

1. WARRANTY DURATION: The duration of the warranty period is two (2) years from the date of the new vehicle purchase from an authorized CFMOTO Dealer.

2. WARRANTY LIMITATIONS: This CFMOTO Limited Warranty excludes any failures that are not the result of a defect in material or workmanship. This warranty does not cover failures due to accidental damage, normal wear, abuse, or improper use. This warranty also excludes from coverage general wear items, parts exposed to friction surfaces, and parts exposed to environmental conditions or contaminants that they were not designed for. This Warranty provides no coverage for motorcycle transportation to and from the servicing dealer or loss of personal time.

CFMOTO WARRANTIES FOR USA

3. EXCLUSIONS FROM WARRANTY COVERAGE: This Warranty excludes damages or failures resulting from the following acts or circumstances:

- Fire
- Collision
- Theft
- Unavoidable natural disasters
- Improper storage or transportation
- Failure or negligence in the performance of periodic vehicle maintenance
- Improper or negligent use or operation
- Unauthorized repair or adjustment
- Unauthorized modifications or performance upgrades
- Use of vehicle as a rental vehicle or any use that generates income
- Use of vehicle in competitive or racing events
- Use of aftermarket or non-standard components
- Ingestion of foreign substances
- Accessories or attachments
- Non-recommended fuel, fluids, or lubricants

CFMOTO WARRANTIES FOR USA

4. OWNER'S RESPONSIBILITIES: The vehicle's owner must properly use, maintain, and care for the vehicle as outlined in the CFMOTO Owner's Manual. Any warranty repairs must be performed exclusively by CFMOTO authorized Dealers. Any warranty work performed by anyone other than an authorized CFMOTO Dealer will not be covered under the CFMOTO Limited Warranty policy.

5. TRANSFER OR CONTINUATION OF WARRANTY: This warranty is transferable by providing the following information to an authorized CFMOTO Dealer:

- a) The complete model and serial number as shown on the original warranty document must be provided.
- b) The name and address of the existing and new owners must be provided.
- c) The original delivery date of the vehicle must be provided.
- d) The new owner must indicate in writing that he/she has received and read the vehicle's Owner's Manual and the CFMOTO Warranty Policy.
- e) The dealer may be required by CFMOTO to provide an evaluation of the vehicle's condition prior to approval.

6. CUSTOMER ASSISTANCE: Any questions or concerns regarding your CFMOTO vehicle or related products should be directed to an authorized CFMOTO dealer. However, if a dealer is unable to address customer concerns or a product issue, CFMOTO Customer Care can be contacted directly at 763-398-2690 or 888-8CFMOTO and by e-mail: info@cfmotousa.com. Please note that CFMOTO Customer Care is not authorized to approve, modify, or deny warranty, provide technical repair data, diagnosis, instruction, or any other information beyond what is provided in the Owner's Manual.

CFMOTO WARRANTIES FOR USA

7. NOISE CONTROL SYSTEM AND TAMPERING: Federal law prohibits any of the following acts or causing thereof:

- a) The removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use.
- b) The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.
- c) The use of aftermarket components or components that are not direct replacements of parts installed at the time of vehicle manufacture.
- d) Such components include but are not limited to: mufflers, exhaust pipes, silencers, air cleaner housing/case, air cleaner element, or intake duct.

8. EMISSIONS CONTROL SYSTEM WARRANTY: CFMOTO also warrants to the ultimate purchaser and each subsequent purchaser of each CFMOTO motorcycle covered by this limited warranty that the vehicle is designed, built and equipped so as to conform at the time of sale with all United States federal emission standards applicable at the time of manufacture, and that the vehicle is free from defects in materials and workmanship which would cause it not to meet those standards. Where a warrantable condition exists, CFMOTO will repair your motorcycle at no cost to you, including diagnosis, parts and labor during the warranty period described in *'Emissions Components - Warranty Period'*.

CFMOTO WARRANTIES FOR USA

Emissions Components - Warranty Period:

CFMOTO warrants that each new 2021 and later CFMOTO motorcycle that includes as standard equipment a headlight, taillight, stoplight and is street-legal, is free from defects in material and workmanship which cause such motorcycle to fail to conform with applicable regulations of the United States Environmental Protection Agency for a period of use of five (5) years or 30,000 km (18,641 miles), whichever occurs first for 300cc or above motorcycles, and a period of use of five (5) years or 12,000 km (7456 miles), whichever comes first for 125cc motorcycles.

The emissions control system warranty covers the following:

I. For exhaust emissions, emission-related components include any engine parts related to the following systems:

- Air-induction system
- Fuel system
- Ignition system
- Exhaust gas recirculation systems

II. The following parts are also considered emission-related components for exhaust emissions:

- Aftertreatment devices
- Crankcase ventilation valves
- Sensors
- Electronic control units

CFMOTO WARRANTIES FOR USA

III. The following parts are considered emission-related components for evaporative permeation emissions (If applicable):

- Fuel Tank
- Fuel Cap
- Fuel Line
- Fuel Line Fittings

IV. Emission-related components also include any other part whose primary purpose is to reduce emissions or whose failure would commonly increase emissions without significantly degrading engine/equipment performance.

9. DISCLAIMER: NO OTHER WARRANTY IS PROVIDED BY CFMOTO WITH RESPECT TO CFMOTO MOTORCYCLES EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ALL IMPLIED WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OF TRADE, BY STATUTE OR OTHERWISE, ARE HEREBY STRICTLY LIMITED TO THE TERMS OF THIS WRITTEN MOTORCYCLE LIMITED WARRANTY.

CFMOTO WARRANTIES FOR USA

10. INTEGRATION: This limited warranty supersedes any and all oral, express, or written warranties, statements, or undertakings that may previously have been made, and contains the entire agreement of the parties with respect to the warranty of CFMOTO vehicles. Any and all warranties not contained in this Agreement are specifically excluded. This limited warranty shall be the sole and exclusive remedy available to the customer with respect to the covered CFMOTO vehicle. In the event of any alleged breach of any warranty or any legal action brought by the customer based on alleged negligence or other conduct by CFMOTO, or its related parties, the customer's sole and exclusive remedy will be repair or replacement of defective components as stated above, unless otherwise provided by law. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply if they are deemed inconsistent with the controlling state law.

CFMOTO WARRANTIES FOR USA
CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT
YOUR WARRANTY RIGHTS AND OBLIGATIONS

In California, new motor vehicles must be designed, built and equipped to meet the State's stringent anti-smog standards. CFMOTO Powersports, Inc. must warrant the emission control systems on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your motorcycle.

Your emission control system may include parts such as the carburetor or fuel-injection system, the ignition system, catalytic converter, and engine computer. Also included may be hoses, belts, connectors, and other emission-related assemblies. Where a warrantable condition exists, CFMOTO Powersports, Inc. will repair your motorcycle at no cost to you including diagnosis, parts, and labor.

MANUFACTURER'S WARRANTY COVERAGE:

For 30,000 km or 5 years, whichever first occurs.

If any emission-related part on your motorcycle is defective, the part will be repaired or replaced by CFMOTO Powersports, Inc. This is your emission control system DEFECTS WARRANTY.

CFMOTO WARRANTIES FOR USA

The emissions control system warranty covers the following:

I. For exhaust emissions, emission-related components include any engine parts related to the following systems:

- Air-induction system
- Fuel system
- Ignition system
- Exhaust gas recirculation systems

II. The following parts are also considered emission-related components for exhaust emissions:

- Aftertreatment devices
- Crankcase ventilation valves
- Sensors
- Electronic control units

III. The following parts are considered emission-related components for evaporative permeation emissions (If applicable):

- Fuel Tank
- Fuel Cap
- Fuel Line
- Fuel Line Fittings

IV. Emission-related components also include any other part whose primary purpose is to reduce emissions or whose failure would commonly increase emissions without significantly degrading engine or equipment performance.

CFMOTO WARRANTIES FOR USA

OWNER'S WARRANTY RESPONSIBILITIES:

- As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. CFMOTO Powersports, Inc. recommends that you retain all receipts covering maintenance on your motorcycle, but CFMOTO Powersports, Inc. cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- You are responsible for presenting your motorcycle to a CFMOTO Powersports, Inc. dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.
- As the motorcycle owner, you should also be aware that CFMOTO Powersports, Inc. may deny you warranty coverage if your motorcycle or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact CFMOTO Powersports, Inc. at (763) 398-2690 or the California Air Resource Board at 4001 Iowa Avenue, Riverside, CA 92507.

GENERAL TORQUE CHART

Type	Torque (N•m)	Type	Torque (N•m)
M5 bolt and nut	5±1	M5 screw	4±1
M6 bolt and nut	10±1	M6 screw	9±1
M8 bolt and nut	20~30	M6 flange bolt and nut	12±1
M10 bolt and nut	30~40	M8 flange bolt and nut	20~30
M12 bolt and nut	40~50	M10 flange bolt and nut	30~40

CRUCIAL TORQUE CHART

Type	Thread	Number	Tightening Torque (N•m)	Thread-locker
Engine LH front mounting bolt	M10 × 1.5 × 70	1	45~50	Yes
Engine RH front mounting bolt	M10 × 1.5 × 22	1	45~50	Yes
Engine RH middle mounting bolt	M10 × 1.5 × 22	1	45~50	Yes
Engine LH middle mounting bolt	M10 × 1.5 × 45	1	45~50	Yes
Engine rear upper mounting bolt	M10 × 1.25 × 150	1	45~50	Yes
Engine rear lower mounting bolt	M10 × 1.25 × 170	1	45~50	Yes
Sub-frame mounting bolt	M10 × 1.25 × 20	4	40~50	Yes
Upper or lower triple clamp and shock absorbers tightening bolt	M8 × 1.25 × 30	6	20 ~ 25	Yes
Upper triple clamp steering column locking bolt	M8 × 1.25 × 30	1	20 ~ 25	Yes

Upper triple clamp upper side tightening screw	M25 × 1.5	1	20 ~ 25N.m (Before lock the upper triple clamp shock absorbers tightening bolt)	No
Front shock absorber lower side and front axle tightening screw	M8 × 25	2	20 ~ 25	Yes
Rear shock absorber upper side and frame connecting bolt	M10 × 1.25 × 50	1	45~50	No
Rear shock absorber lower side and A-shape swing arm connecting bolt	M10 × 1.25 × 50	1	45~50	No
A-shape swing arm upper side and rear fork connecting bolt	M12 × 1.25 × 80	1	60	No
A-shape swing arm lower side and rod connecting bolt	M12 × 1.25 × 110	1	60	No
Rod assembly and frame connecting bolt	M10 × 1.25 × 130	1	45~50	Yes
Front axle	M16 × 1.5	1	75 ~ 85	No
Tooth ring, brake disc and rim bolt	M8 × 28	9	25 ~ 30	Yes
Brake pipe and front caliper bolt	M10 × 1.0	1	38 ~ 42	No
Front caliper and front shock absorber bolt	M10 × 1.25	2	40 ~ 45	Yes
Brake pipe and hand pump bolt	M10 × 1.0	1	38 ~ 42	No

Brake pipe and ABS bolt	M10 × 1.0	4	38 ~ 42	No
Brake pipe and rear caliper bolt	M10 × 1.0	1	38 ~ 42	No
Brake pipe and foot pump bolt	M10 × 1.0	1	38 ~ 42	No
Rear brake master cylinder and RH front footrest bracket bolt	M6 × 25	2	10	Yes
Rear fluid reservoir and frame bolt	M6 × 16	1	8	No
Brake pedal lever assembly and right footrest bracket bolt	M8 × 25	1	25	Yes
Hand bump fluid reservoir, mounting bracket tightening bolt	M8 × 1.25	1	25	Yes
Tightening handlebar lower bracket screw	M10 × 60	2	45	No
Tightening handlebar upper bracket screw	M8 × 25	4	20	No
Balancing block mounting screw	M8 × 50	2	20	No
Rear axle tightening nut	M16 × 1.5	1	105 ~ 110	No
Big sprocket tightening bolt	M8 × 30	6	35 ~ 40	No
Gearshift swing arm and engine axle tightening bolt	M6 × 22	1	Until tightened	Yes
Joint bearing and gearshift pedal and swing arm bolt	M6 × 16	2	6	Yes
Gearshift connecting rod adjusting nut	M6/M6LH	2	6	No

Gearshift pedal and front footrest bracket bolt	M8 × 25	1	20	Yes
Gearshift pedal and footrest connecting bolt	M8	1	25	Yes
Front pedal bracket and rear fork shaft bolt	M12 × 35	2	110	No
Front footrest bracket and frame bolt	M8 × 30	2	25	Yes
Rear footrest bracket and frame bolt	M8 × 20	4	25	Yes
Reservoir mounting bolt	M6 × 25	2	9	No
Radiator lower side and connecting bracket assembly bolt	M6 × 25	1	5	No
Radiator upper side and connecting bracket bolt	M8 × 30	1	20	No
Front brake caliper mounting bolt	M10 × 1.25 × 60	2	45 ~ 50	Yes

CFMOTO RIDE APP / TELEMATICS BOX

CFMOTO RIDE is an intelligent, networked, mobile service platform that provides human-vehicle interconnection as its core. CFMOTO RIDE is committed to providing full-featured services for motorsport enthusiasts online.

The telematics module, or T-BOX, is an intelligent vehicle terminal that builds a communication bridge between owners and vehicles through the CFMOTO RIDE App. When a T-BOX is equipped, the owner can enjoy the smart features of CFMOTO RIDE. The telematics module is optional in select markets. Check with your dealer to determine if your vehicle is equipped with telematics (T-BOX). Or download the CFMOTO RIDE App and send your question via the [feedback] option, and CFMOTO will check for you.



CFMOTO RIDE App

Scan the QR code to download the CFMOTO RIDE APP from the Apple App Store for iPhone or Google Play for Android.



CFMOTO RIDE Facebook

Scan the QR code to follow CFMOTO RIDE on Facebook and be the first to receive notices on app updates and news.



CFMOTO RIDE Website

Scan the QR code to explore the CFMOTO RIDE intelligent platform on the CFMOTO global website.

CFMOTO RIDE provides various smart features such as the vehicle owner's manual, riding details, navigation, Over-The-Air (OTA) updates, geofence, static reminders, etc. Available features will vary according to vehicle / model configuration and global market requirements. Please download CFMOTO RIDE and enjoy the intelligent riding experience!

CFMOTO RIDESYNC APP / TELEMATICS MODULE (Select Markets)

CFMOTO RideSync is an intelligent, networked, mobile service platform that provides human-vehicle interconnection as its core. CFMOTO RideSync is committed to providing full-featured services for motorsport enthusiasts online. The telematics module, or T-BOX, is an intelligent vehicle terminal that builds a communication bridge between owners and vehicles through the CFMOTO RideSync App. When a T-BOX is equipped, the owner can enjoy the smart features of the app. The telematics module is optional in select markets. Check with your dealer to determine if your vehicle is equipped with telematics (T-BOX). Or download the CFMOTO RideSync App, send your question via the [feedback] option, and CFMOTO will check for you.



CFMOTO RideSync

Scan the QR code to download the CFMOTO RIDE /
RIDESYNC APP from the Apple App Store for iPhone or
Google Play for Android.

CFMOTO RideSync provides various smart features such as the vehicle owner's manual, riding details, navigation, Over-The-Air (OTA) updates, geofence, static reminders, etc. Available features will vary according to vehicle / model configuration and global market requirements. Please download CFMOTO RideSync and enjoy the intelligent riding experience!

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MOREFUN

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