CFMOTO

CFORCE 850 TOURING
CFORCE 1000 TOURING

Owner's Manual

Make sure operators have a valid driving license confirmed by local areas.
Make sure passengers wear an approved helmet and protective gear, and securely grasp hand holds and plant feet firmly on footrests when seated.

It contains important safety information

READ THIS MANUAL CAREFULLY

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Foreword

Welcome

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

This manual applies to the following models: CF800AU-3,CF1000AU-2

FOREWORD

⚠WARNING
The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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.

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.

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 WARNING, CAUTION and NOTE or NOTICE.

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:

⚠WARNING

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

⚠CAUTION

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 without an icon indicates a situation that may result in damage to the vehicle.

NOTE or NOTICE

A NOTE: or notice will alert you to important information or instructions

FOREWORD

⚠WARNING FOR TYPE I ATVs

(1-person vehicle)

Improper vehicle use can result in SEVERE INJURY or DEATH



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR



NEVER USE ON PUBLIC ROADS



NEVER CARRY PASSENGERS



NEVER USE WITH DRUGS OR ALCOHOL

FOREWORD

⚠WARNING FOR TYPE II ATVs

(2-person vehicle)

Improper vehicle use can result in SEVERE INJURY or DEATH



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR FOR DRIVER AND PASSENGER



NEVER USE ON PUBLIC ROADS



NEVER CARRY MORE THAN ONE PASSENGER



NEVER USE WITH DRUGS OR ALCOHOL

NEVER:

- Operate without proper training or instruction.
- Operate on public roads. A collision can occur with another vehicle.
- Operate at speeds too fast for your skill or the conditions.
- Use ALCOHOL or DRUGS before or while driving this vehicle.
- Carry multiple passengers, Type II ATVs are designed for a single passenger only.

ALWAYS:

- Avoid paved surfaces, which may adversely affect the handling and control.
- Use proper riding techniques to avoid vehicle overturn on hills and rough terrain, and when turning.
- Wear eye protection, helmet and protective clothing.

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 gas and could cause headaches, giddiness, loss of consciousness, or even death. Always avoid starting the vehicle in areas with poor ventilation.

INTRODUCTION
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://cfmotousa.com/customer-care/customer-care-contact. 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

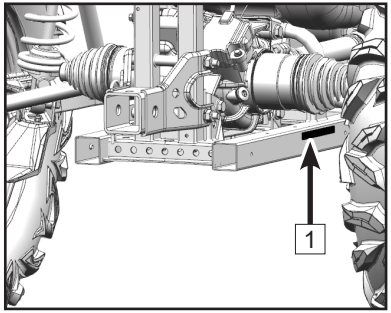
TEL: 819-994-3328 (Ottawa-Gatineau area or international) or toll-free: 1-800-333-0510 (In Canada)

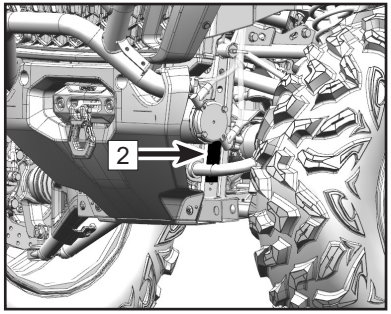
Online: http://www.tc.gc.ca/recalls

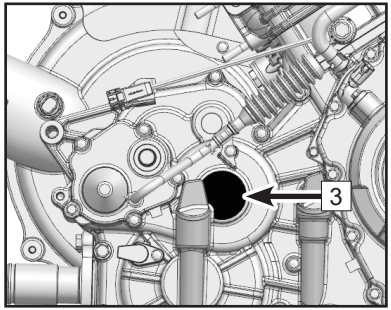
Vehicle Identification Numbers / Keys

Record your vehicle's identification numbers in the spaces provided. Remove the spare key and store in a safe place. Your key can be duplicated only by mating a key blank with one of your existing keys.

If both keys are lost, the complete key switch assembly must be replaced.







1 **Vehicle identification number:**_____

2 **Vehicle model number:**_____

3 **Engine serial number:**_____

Specifications

Items	CFORCE 850 TOURING	CFORCE 1000 TOURING	CFORCE 1000 OVERLAND
Overall Length	96.3 in. (2445 mm)		92.3 in. (2435 mm)
Overall Width	49.7 in. (1264 mm)		49.7 in. (1264 mm)
Overall Height	57 in. (1450 mm)		57 in. (1605 mm)
Wheel Base	58.2 in. (1480 mm)		
Minimum Ground Clearance	11.2 in. (285 mm)	11.8 in. (300 mm)	
Min. Turning Radius	137.7 in. (3500 mm)		
Curb Weight	1010 lbs. (458 kg)	1014 lbs. (460 kg)	1102 lbs. (500 kg)
Front Rack Load	99 lbs. (45 kg)		
Rear Rack Load	198 lbs. (90 kg) (rear rack + towing vertical load)		
Recommended Towing Capacities	661 lbs. (300 kg)		
Trailer and Cargo Weight	1764 lbs. (800 kg)		
Engine Type	Double cylinder, liquid-cooled, 4-stroke, SOHC, 8 valve		
Engine Model	2V91W-F	2V91Y-F	

Items	CFORCE 850 TOURING	CFORCE 1000 TOURING	CFORCE 1000 OVERLAND
Bore x Stroke	91mm x 61.5mm	91mm x 74mm	
Displacement	800cc	962.6cc	
Compression Ratio	10.8:1		
Starting System	Electric Starter		
Lubricating System	Pressure / Splash Lubrication		
Engine Coolant: Type Volume Mixed Ratio:	 CFMOTO uses Organic Acid Technology (OAT) coolant in all liquid-cooled engines. Do not mix with inorganic (IAT) coolant. 3.2 qt. (3.7L) 50% coolant / 50% distilled water		
Engine oil: Type Alternative Viscosity Oil Change with Filter	 SAE 10W-40 SAE 5W-40 (cold weather) / SAE 15W-40 (hot weather) 2.32 qt. (2.4 L)		
Transmission oil: Type Oil Change	 SAE 75W-90 GL-5 1.5 qt. (0.6 L)		

Items	CFORCE 850 TOURING	CFORCE 1000 TOURING	CFORCE 1000 OVERLAND
Rear Gear Case Oil			
Type	SAE 80W-90 GL-5		
Volume	0.4 qt. (0.4 L)		
Oil Change	0.4 qt. (0.4 L)		
Front Gear Case Oil			
Type	SAE 80W-90 GL-5		
Volume	0.3 qt. (0.25 L)		
Oil Change	0.3 qt. (0.25 L)		
Ail Filter	Paper filter element with foam pre-filter		
Fuel Type	Use regular unleaded gasoline with a minimum fuel consumption of AKI (RON+MON)/2 octane rating of 87 or octane rating of 92. Use unleaded gasoline with an ethanol content not exceeding 10%.		
Volume	6.8 gal. (26 L)		
Fuel Reserve Amount at Fuel Gauge 'Flash'	0.7 gal. (2.8 L)		

1

Items			CFORCE 850 TOURING	CFORCE 1000 TOURING	CFORCE 1000 OVERLAND
Spark Plug / Type			CR8EK / NGK		
Spark Plug Gap			.026 ~ .030 in. (0.65 ~ 0.75mm)		
Transmission	Transmission		CVT+Gearbox		
	Gear Shift/Order		Manually/L-H-N-R-P		
	CVT Ratio		0.73 ~ 3.263		
	Gear Ratio	Low Gear	6.585		
		High Gear	2.783		
		Reverse Gear	5.807		
Frame			Steel Tube		
Wheel Bolt Pattern			4×110 mm		
Tire/Tire Pressure			Front: 27×9.00R14 10 psi (70 kPa) Rear: 27×11.00R14 10 psi (70 kPa)		
Wheel rim size			Front: 14×6.5AT Rear: 14×8.5AT		

Items	CFORCE 850 TOURING	CFORCE 1000 TOURING	CFORCE 1000 OVERLAND
Brake System:	Hydraulic brake		
Rear Brake Type / Operation	United brake / Foot operation		
Front Brake / Operation	Hand operation		
Park Brake Type	Hydraulic park / Mechanical park (Select Markets)		
Brake Fluid Type	DOT4		
Suspension:			
Front Suspension:	Double A-arm and independent		
Rear Suspension:	Independent trailing arm		

Items	CFORCE 850 TOURING	CFORCE 1000 TOURING	CFORCE 1000 OVERLAND
Shock Absorber:			
Front	Coil spring+Gas damper		
Rear	Coil spring+Gas damper		
Wheel Travel:			
Front	8.8 in. (225 mm)		
Rear	8.8 in. (225 mm)		
Electric System:			
Ignition Type	Electrical Start		
Charging	A/C 650 Watt @ 5000 rpm		
Battery	12 Vdc / 30 Amp Hr		
Light System:			
Headlight, low beam	LED		
Headlight, high beam	LED		
Front Position Light	LED		
Tail Light / Brake Light	LED		

Operator Safety

General Safety Precautions

⚠WARNING
Failure to heed the warnings contained in this manual can result in serious injury or death. An ATV is not a toy and can be hazardous to operate. This vehicle handles differently from other vehicles, such as motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers like turning or driving over obstacles, if you fail to take proper precautions. Read this owner's manual. Understand all safety warnings, precautions and operating procedures before operating this vehicle.

Age Restrictions

This vehicle is an ADULT VEHICLE ONLY. Operation is prohibited for anyone under the age of 16. No passengers under age 12 are allowed on vehicles designed to carry a passenger.

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

We concerned with the safety of our customers and for the general public. Therefore, we strongly recommend that consumers do not install on a vehicle, any equipment that may increase the speed or power of the vehicle, or make any other modifications to the vehicle. Any modifications to the original equipment of the vehicle create a substantial safety hazard and increase the risk of 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:

The addition of certain accessory equipment which may change the handling and performance characteristics of the vehicle include, but are not limited to; mowers, plow blades, oversize tires, sprayers, large racks, lift kits and trailers. Use only approved accessories, and familiarize yourself with their function and effect on the vehicle.

Avoid Carbon Monoxide Poisoning

The engine exhaust from this product contains chemicals known to cause cancer, birth defects or other reproductive harm. All engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, dizziness, drowsiness, nausea, confusion and eventually 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 collect rapidly, and you can quickly be overcome and unable to save yourself. Also, deadly levels of carbon monoxide can linger 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 only an approved gasoline container to store fuel.
- Never fill the gasoline container in the vehicle cargo box or on the vehicle. An electrical static discharge may ignite the fuel.
- Strictly adhere to proper fueling procedures.
- Never start or operate the engine if the fuel cap is not properly installed. 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

Use regular unleaded gasoline with a minimum fuel consumption of AKI (RON+MON)/2 octane rating of 87 or octane rating of 92. Use unleaded gasoline with an ethanol content not exceeding 10%. Do not try other fuels. 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 exercise extreme caution whenever handling gasoline.

Always refuel with the engine stopped, and outdoors or in a well ventilated area.

Never carry a plastic container with gasoline in the cargo area while riding. Static electricity between the cargo area and container could cause a spark.

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 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 contact during and shortly after operation to avoid burns.

Inspection after an Accident

After any overturn or accident, have an authorized dealer inspect the entire vehicle for possible damage. The damage to the vehicle during an accident may be more serious than you think.

OPERATOR SAFETY

Safety Training

When you purchased your new ATV, your dealer offered a hands-on safety training course that covers all aspects of vehicle safety. You were also provided with printed materials that explain safe operating procedures. You should review this information on a regular basis. If you purchased a used ATV from a party other than a dealer, you can request safety training from any authorized dealer.

Familiarize yourself with all laws and regulations concerning the operation of this vehicle in your area. CFMOTO strongly advises you to strictly follow the recommended maintenance program outlined in your owner's manual. This preventive maintenance program is designed to ensure that all critical components on your vehicle are thoroughly inspected at specific intervals.

Hazardous Operation Warnings

Serious injury or death can result if you do not follow the following instructions and procedures outlined in further detail within your owner's manual:

⚠WARNING

Read this manual and all labels carefully, and follow the operating procedures described.

- Never operate an ATV without proper instruction. Take a training course. Beginners should receive training from a certified instructor. Contact an authorized dealer to find out about the training courses nearest you.
- Never allow anyone under 16 years of age to operate the vehicle.
- Never permit a guest to operate the ATV unless the guest has read this manual, all product labels, and has completed a certified safety training course.

OPERATOR SAFETY

- Never operate an ATV without wearing an approved helmet that fits properly . Always wear eye protection (goggles or face shield), gloves, boots, a long-sleeved shirt or jacket, and long pants.
- Never consume alcohol or drugs before or while operating an ATV.
- Never operate at excessive speeds. Travel at speeds appropriate for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheelies, jumps or other stunts.
- Always inspect your ATV before each use to make sure it's in safe operating condition.
- Always follow the inspection and maintenance procedures and schedules outlined in your owner's manual.
- Always keep both hands on the handlebars and both feet on the footrest of the ATV during operation.
- Always travel slowly and use extra caution when operating on unfamiliar terrain. Be alert to terrain conditions.
- Never operate on excessively rough, slippery, or loose terrain.
- Always follow proper turning procedures as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speeds.
- Always have the ATV inspected by an authorized dealer if it's been involved in an accident.
- Never operate on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.
- Always follow proper procedures for climbing hills:
  - Check the terrain carefully before ascending a hill.
  - Never climb hills with excessively slippery or loose surface. Shift your weight forward.
  - Never open the throttle suddenly or make sudden gear changes.
  - Never go over the top of a hill at high speed.

OPERATOR SAFETY

- Always follow proper procedures for going downhill and for braking on hills:
  - Check the terrain carefully before you start down a hill.
  - Shift your weight backward.
  - Never travel down a hill at high speed.
  - Avoid travel down a hill at an angle, which would cause the vehicle to lean sharply to one side.
  - Travel straight down the hill when possible.
- Always follow proper procedures for crossing the side of a hill:
  - Avoid hills with excessively slippery or loose surfaces.
  - Shift your weight to the uphill side of the ATV.
  - Never attempt to turn the ATV around on any hill until you have mastered (on level ground) the turning technique outlined in this manual.
  - Avoid crossing the side of a steep hill when possible.
- Always use proper procedures if you stall or roll backwards while climbing a hill:
  - To avoid stalling, maintain a steady speed when climbing a hill.
  - If you stall or roll backwards, follow the special procedure for braking described in this manual.
  - Always dismount on the uphill side, or to either side if the ATV is pointed straight uphill.
  - Turn the ATV around and remount following the procedure described in this manual.
- Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.

OPERATOR SAFETY

- Always be careful of skidding or sliding. On slippery surfaces like ice, travel slowly and use extra caution to reduce the chance of skidding or sliding out of control.
- Avoid operating the ATV through deep or fast-flowing water. If it's unavoidable, travel slowly, balance your weight carefully, avoid sudden movements, and maintain a slow and steady forward motion. Do not make sudden turns or stops, and do not make sudden throttle changes.
- Wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them lightly several times to allow friction to dry out the pads.
- Always check for obstacles or people behind the ATV before operating in reverse. When it's safe to proceed in reverse, move slowly and avoid turning at sharp angles.
- Always use the size and type of tires specified for your ATV, and always maintain proper tire pressure.
- Never modify an ATV through improper installation or use of accessories.
- Never exceed the stated load capacity for your ATV. Cargo must be properly distributed and securely attached. Reduce speed and follow the instructions in this manual for carrying cargo or towing. Allow a greater distance for braking.
- Always remove the ignition key when the vehicle is not in use to prevent unauthorized use or accidental starting.
- Children or pets shall not be carried on the racks.
- Never touch moving parts such as wheels, drive shafts, etc.

FOR MORE INFORMATION ABOUT ATV SAFETY, PLEASE CONTACT YOUR DEALER.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

Operating this ATV without proper instruction.

WHAT CAN HAPPEN:

The risk of an accident is greatly increased if the operator does not know how to operate the ATV properly in different situations and on different types of terrain.

HOW TO AVOID THE HAZARD:

Beginning and inexperienced operators should complete a certified training course offered by a dealer.

Operators should regularly practice the skills learned in the course and the operating techniques described in the owner's manual.

⚠WARNING

POTENTIAL HAZARD:

Failure to follow the age recommendations for this ATV.

WHAT CAN HAPPEN:

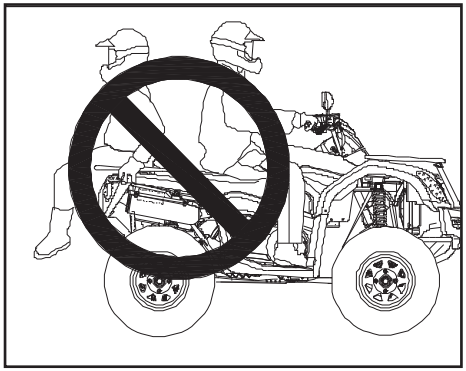
Severe injury and/or death could occur if a child under the minimum age recommendation operates an ATV. Even though a child may be within the recommended age group for operating some ATVs, he/she may not have the skills, abilities or judgment needed to operate an ATV safely and could be susceptible to accident or injury.

HOW TO AVOID THE HAZARD:

Operation is prohibited for anyone under 16 years of age.

OPERATOR SAFETY

⚠WARNING



POTENTIAL HAZARD:

Carrying a passenger on an ATV that is not designed for carrying a passenger, or carrying more passengers than the rated passenger capacity.

WHAT CAN HAPPEN:

A passenger riding on an ATV not designed for carrying a passenger could be ejected from the vehicle unexpectedly or make contact with moving components, both of which can result in severe injury or death.

A passenger not seated behind the operator on an ATV could be ejected from the vehicle unexpectedly or make contact with moving components, both of which can result in severe injury or death.

Carrying more passengers than the rated passenger capacity will greatly reduce the operator's ability to balance and control the ATV.

HOW TO AVOID THE HAZARD:

Never allow a passenger on an ATV that is not designed for carrying a passenger, or carry more passengers than the rated passenger capacity.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

Operation on paved surfaces such as sidewalks, trails parking lots, or public highways and streets.

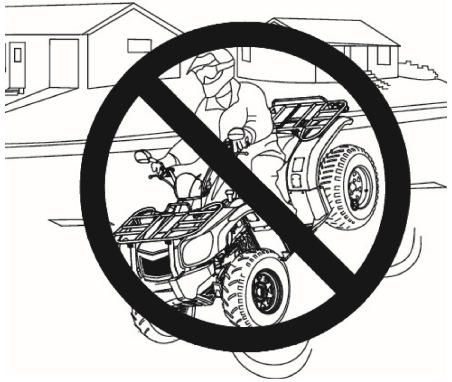
WHAT CAN HAPPEN:

ATV tires are designed for off-road use. Driving on paved surfaces greatly affects how an ATV handles, which can result in loss of control and/or an accident.

HOW TO AVOID THE HAZARD:

Never drive on paved surfaces. If it is unavoidable, slow down and do not make sudden turning or braking maneuvers.

Never operate ATVs on public highways or streets if it is not allowed by law. Check local laws to determine if it is legal to do so..





OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

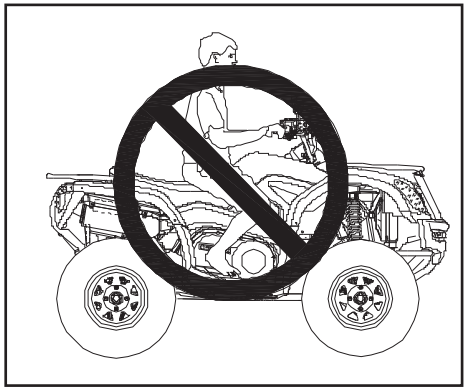
Operating this ATV without wearing an approved helmet, eye protection, and protective clothing.

WHAT CAN HAPPEN:

Operating an ATV without an approved helmet increases the risk of a severe head injury or death in the event of an accident. Operating without eye protection could result in an accident and could increase the chance of a severe eye injury in the event of an accident. Operating without protective clothing could increase the chance of a severe injury.

HOW TO AVOID THE HAZARD:

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



OPERATOR SAFETY



⚠WARNING

POTENTIAL HAZARD:
Operating the ATV after consuming alcohol or drugs.

WHAT CAN HAPPEN:
Consumption of alcohol and/or drugs could seriously affect operator judgment. Reaction time may be slower and operator balance and perception could be affected. Consumption of alcohol and/or drugs before or while operating an ATV could result in an accident causing severe injury or death.

HOW TO AVOID THE HAZARD:
Never consume alcohol or drugs before or while operating an ATV.

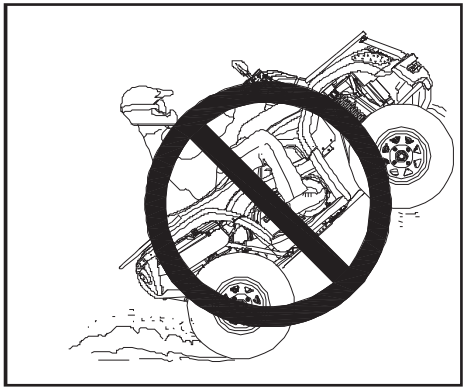
⚠WARNING

POTENTIAL HAZARD:
Operating the ATV at excessive speeds.

WHAT CAN HAPPEN:
Excessive speed increases the operator's chance of losing control of the ATV, which can result in an accident.

HOW TO AVOID THE HAZARD:
Always operate the ATV at a speed that's proper for the terrain, visibility and operating conditions, and your experience.

OPERATOR SAFETY



⚠WARNING

POTENTIAL HAZARD:
Attempting wheelies, jumps and other stunts.

WHAT CAN HAPPEN:
Attempting stunts increases the chance of an accident, including an overturn.

HOW TO AVOID THE HAZARD:
Never attempt wheelies, jumps, or other stunts. Avoid exhibition driving.

⚠WARNING

POTENTIAL HAZARD:
Failure to inspect the ATV before operating. Failure to properly maintain the ATV.

WHAT CAN HAPPEN:
Poor maintenance increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD:
Always inspect your ATV before each use to make sure it's in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in the owner's manual.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:
Removing hands from the handlebars or feet from the footrests during operation.

WHAT CAN HAPPEN:
Removing even one hand or foot can reduce ability to control the vehicle or could cause loss of balance and ejection from the ATV.

If the operator's foot is not firmly planted on the footrest, it could come into contact with the rear wheels and lead to an accident or injury.

HOW TO AVOID THE HAZARD:
Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.

⚠WARNING

POTENTIAL HAZARD:
Turning improperly.

WHAT CAN HAPPEN:
Improper turns could cause loss of control and lead to a collision or overturn.

HOW TO AVOID THE HAZARD:
Always follow proper procedures for turning as described in the owner's manual. Practice turning at slow speeds before attempting to turn at faster speeds. Never turn at excessive speed.

OPERATOR SAFETY

⚠WARNING



POTENTIAL HAZARD:

Failure to use extra caution when operating on excessively rough, slippery or loose terrain.

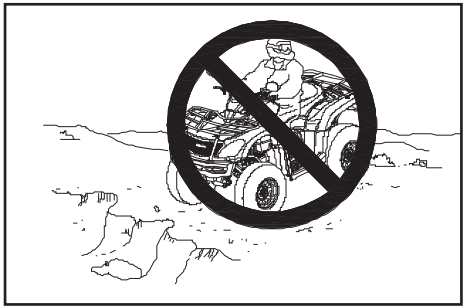
WHAT CAN HAPPEN:

Operating on excessively rough, slippery or loose terrain could cause loss of traction or loss of control, which could result in an accident or overturn.

HOW TO AVOID THE HAZARD:

Do not operate on excessively rough, slippery or loose terrain until you've learned and practiced the skills necessary to control the ATV on such terrain. Always use extra caution on rough, slippery or loose terrain.

⚠WARNING



POTENTIAL HAZARD:

Failure to use extra caution when operating the ATV on unfamiliar terrain.

WHAT CAN HAPPEN:

Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Travel slowly and use extra caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

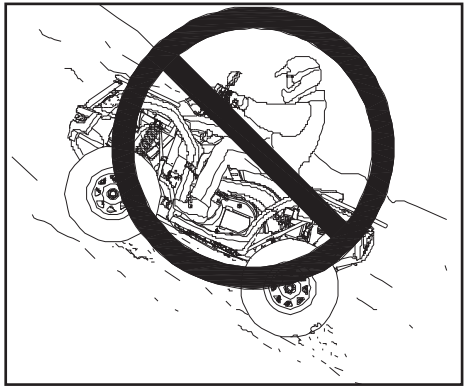
Climbing excessively steep hills or climbing hills improperly.

WHAT CAN HAPPEN:

Improper hill climbing could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Never operate on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting large hills. Always check the terrain carefully before ascending any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open the throttle suddenly while traveling uphill. The ATV could flip over backwards. Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.



OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

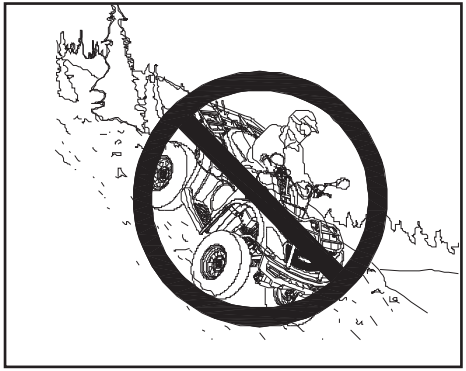
Traveling down excessively steep hills.

WHAT CAN HAPPEN:

Improper downhill travel could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Never operate on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting large hills. Always check the terrain carefully before attempting any hill. Never descend hills with excessively slippery or loose surfaces.



NOTE:

A special driving and braking technique is required while traveling downhill. Always check the terrain carefully before descending a hill. Shift your weight backward. Never travel down a hill at high speed. Avoid traveling down a hill at an angle, which would cause the vehicle to lean sharply to one side. Travel straight down the hill when possible.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:
Improperly crossing hills and turning on hills.

WHAT CAN HAPPEN:
Improperly crossing or turning on hills could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:
Never attempt to turn the ATV around on any hill until you've mastered the turning technique on level ground as described in the owner's manual.

Use extra caution when turning on any hill. Avoid crossing the side of a steep hill.

WHEN CROSSING THE SIDE OF A HILL:
Always follow proper procedures as described in the owner's manual. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the ATV.



OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

Stalling, rolling backwards or improperly dismounting while climbing a hill.

WHAT CAN HAPPEN:

The vehicle could overturn.

HOW TO AVOID THE HAZARD:

Maintain a steady speed when climbing a hill.

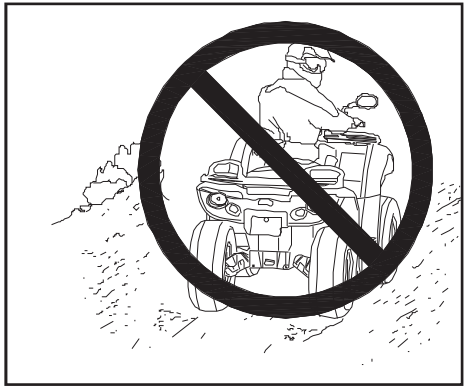
IF ALL FORWARD SPEED IS LOST:

Close the throttle. Keep your weight uphill. Apply the front brake. When fully stopped, apply the foot brake as well, then shift the gear selector to the park position.

IF THE ATV BEGINS ROLLING:

Keep weight uphill. Never apply engine power. Never apply the foot brake while rolling backwards. Apply the front brake. When fully stopped, apply the foot brake and shift the gear selector to the parking position. Dismount on uphill side, or to either side if ATV is pointed straight uphill.

Turn the ATV around and remount, following the procedure described in the owner's manual.



OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:
Improperly operating over obstacles.

WHAT CAN HAPPEN:
Operating over obstacles could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:
Before operating in a new area, check for obstacles. Avoid operating over large obstacles such as rocks and fallen trees when possible. If unavoidable, use extreme caution and always follow proper procedures as outlined in the owner's manual.

⚠WARNING

POTENTIAL HAZARD:
Skidding or sliding.

WHAT CAN HAPPEN:
Skidding or sliding can cause loss of control. If the tires regain traction unexpectedly, the ATV could overturn.

HOW TO AVOID THE HAZARD:
On slippery surfaces such as ice, travel slowly and use extra caution to reduce the chance of skidding or sliding out of control.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:
Overloading the ATV or carrying/towing cargo improperly.

WHAT CAN HAPPEN:
Overloading and towing can cause changes in vehicle handling, which could lead to loss of control or an accident.

HOW TO AVOID THE HAZARD:
Never exceed the stated load capacity for this ATV.

Cargo should be properly distributed and securely attached. Reduce speed when carrying cargo or pulling a trailer. Allow a greater distance for braking. Always follow the instructions in the owner's manual for carrying cargo or pulling a trailer.

⚠WARNING

POTENTIAL HAZARD:
Operation of the ATV through deep or fast-flowing water.

WHAT CAN HAPPEN:
The tires may float, causing loss of traction and loss of control, which can lead to an accident or overturn.

HOW TO AVOID THE HAZARD:
Avoid operating the ATV through deep or fast-flowing water. If it is unavoidable to enter water that exceeds the recommended maximum depth, travel slowly, balance your weight carefully, avoid sudden movements, and maintain a slow and steady forward motion. Do not make sudden turns or stops, and do not make sudden throttle changes. Wet brakes may have reduced stopping ability. Always test the brakes after leaving the water. If necessary, apply brakes several times to dry out the pads.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:
Improperly operating in reverse.

WHAT CAN HAPPEN:
The ATV could collide with an obstacle or person, resulting in severe injury.

HOW TO AVOID THE HAZARD:
Before shifting into reverse gear, always check for obstacles or people behind the ATV. When it's safe to proceed, back slowly.

⚠WARNING

POTENTIAL HAZARD:
Operating this ATV with improper tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN:
Use of improper tires, or operation of the ATV with improper or uneven tire pressure, could cause loss of control or an accident.

HOW TO AVOID THE HAZARD:
Always use the size and type of tires specified in the owner's manual for the ATV. Always maintain proper tire pressure.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:
Operating the ATV with improper modifications.

WHAT CAN HAPPEN:
Improper installation of accessories or modification of the ATV may cause changes in handling which could lead to an accident.

HOW TO AVOID THE HAZARD:
Never modify the ATV through improper installation or use of accessories. All parts and accessories added to the vehicle must be genuine parts or equivalent components designed for use on this ATV and should be installed and used according to approved instructions. Consult your dealer for more information.

⚠WARNING

POTENTIAL HAZARD:
Operating on frozen bodies of water.

WHAT CAN HAPPEN:
Severe injury or death can result if the ATV and/or the operator fall through the ice.

HOW TO AVOID THE HAZARD:
Never operate the ATV on a frozen body of water.

OPERATOR SAFETY

⚠WARNING
Leaving the keys in the ignition can lead to unauthorized use of the vehicle, resulting in serious injury or death. Always remove the ignition key when the vehicle is not in use.

⚠WARNING
After any overturn or accident, have a qualified service dealer inspect the entire vehicle for possible damage, including (but not limited to) brakes, throttle and steering systems.

⚠WARNING
Safe operation of this rider-active vehicle requires good judgment and physical skills. Persons with cognitive or physical disabilities who operate this vehicle have an increased risk of overturn and loss of control, which could result in severe injury or death.

⚠WARNING
Exhaust system components are very hot during and after use of the vehicle. Hot components can cause serious burns and fire. Do not touch hot exhaust system components. Always keep combustible materials away from the exhaust system. Use caution when traveling through tall grass, especially dry grass.

Safe Riding Gear

Always wear clothing suited to the type of riding. ATV riding requires special protective clothing for comfort and to reduce the chance of injury:

1 An approved helmet

2 Eye protection.

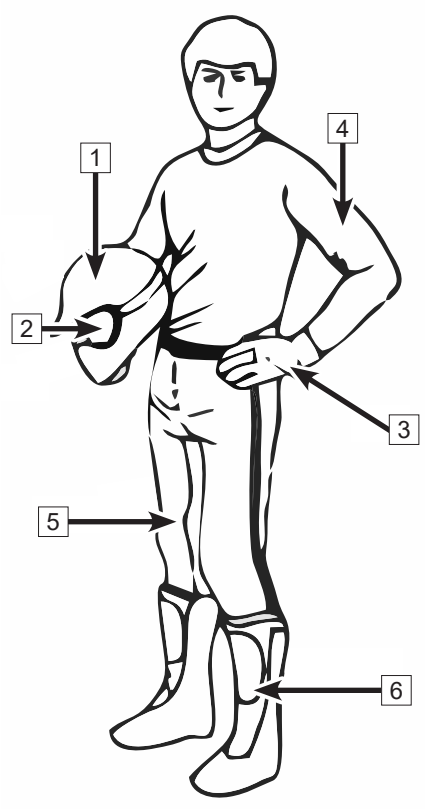
3 Gloves

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 eye protection, 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.



Helmet and Eye Protection

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. A closed-face helmet with face shield will be better at preventing impacts from insects, flying rocks, dust and scattered debris, etc.

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 eye protection. They are not sufficient for impact protection. Debris may fly up or break the lens, causing eye injury.

Use tinted masks or goggles in the daytime only, do not use them at night or in poor illumination. They may impair 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 relieve hand fatigue. If the gloves are too heavy, it will be difficult to operate the vehicle.

A pair of strong off-roading gloves offer 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 Riding 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.

In cool-weather riding, protect yourself against hypothermia. Hypothermia, a condition of low body temperature, 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 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.

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 plant your foot properly on the foot pegs. Avoid long shoelaces that could get tangled in the vehicle components. For winter riding conditions, rubber-soled boots with either nylon or leather uppers and removable felt liners are best suited. Avoid rubber rain boots. Rubber rain boots may get trapped behind 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 results in being much more comfortable and alert.

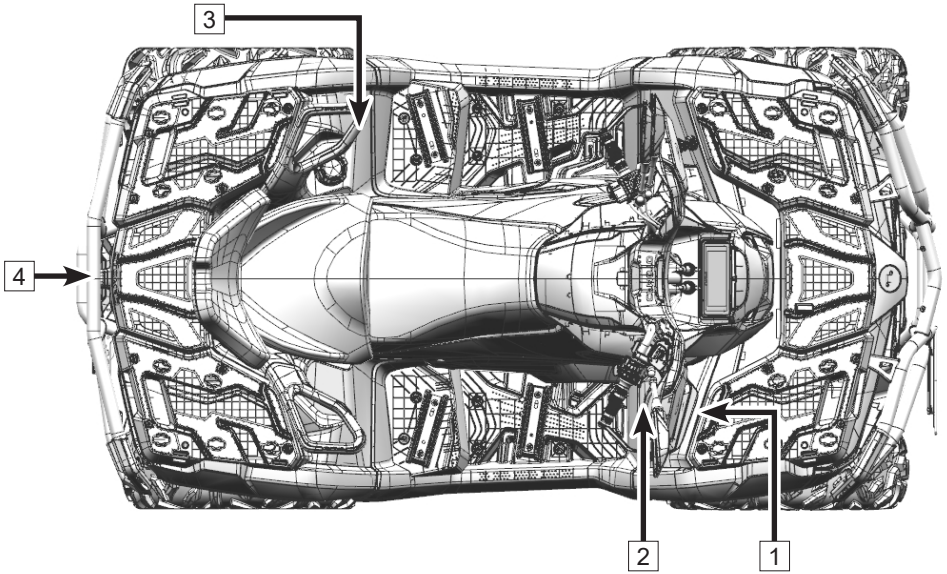
Hearing Protection

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

Safety Decals and Locations

CFORCE 850 / CFORCE 1000 and CFORCE 1000 OVERLAND 2-person ATVs

Warning decals have been placed on the ATV for your protection. Read and follow the instructions on each decal carefully. If a decal becomes illegible or comes off, contact your dealer to purchase a replacement.



SAFETY DECALS AND LOCATIONS

1

NOTICE

- Read owner's manual carefully before operating.
- Always stop the ATV and press the foot brake pedal before shifting the transmission.
- Check engine oil every 500 kilometers (310 miles).

9AWV-190008-8000 US236

3

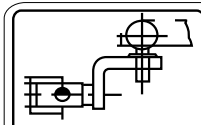
⚠ WARNING

Improper tire pressure or overloading can cause loss of control.
Loss of control can result in severe injury or death.

- **Cold tire pressure:**
  Front: **10** psi (**70** kPa)
  Rear: **10** psi (**70** kPa)

9AWV-190003-9000 EU238

4



PULLING LOAD: 1470 N (150 kgf) 330 lbs
TONGUE WEIGHT: 245N (25kgf) 55 lbs

⚠ WARNING

1、Always shift to low gear for towing.
2、Do not operate the vehicle faster than **12** MPH (**20** km/h) when towing. Towing a trailer increases braking distance.
3、Do not tow more than the recommended weight for the vehicle.
4、Attach a trailer to the trailer hitch bracket only. Do not attach a trailer to any other location or you may lose control of the vehicle.
5、Never tow a trailer on a grade steeper than **15°**.

9GQA-190202 EU165

⚠ WARNING

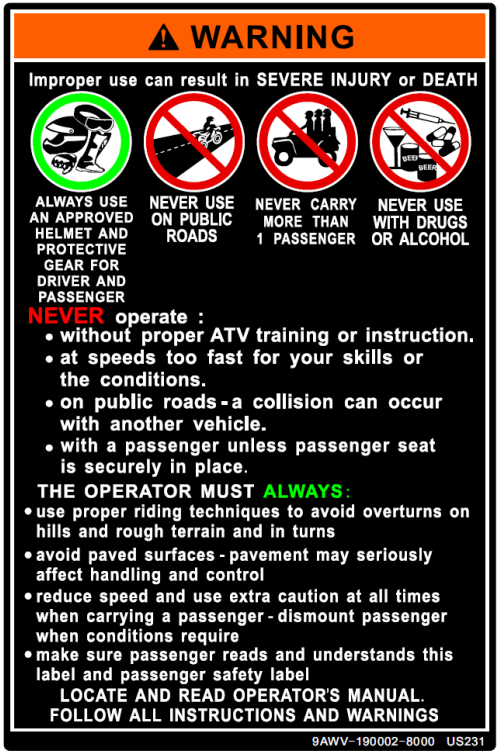


9AWV-190007-9000 EU236

SAFETY DECALS AND LOCATIONS

2

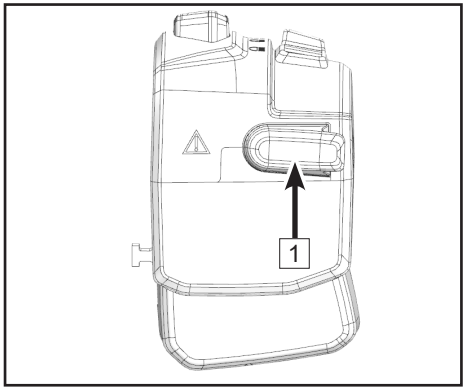






Features & Controls

Left Hand Controls



1 Override Button

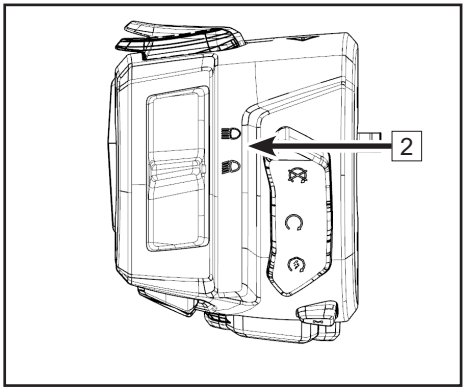
The engine defaults to a speed limited mode when four wheel drive lock ('F-LOCK') is engaged. If driving conditions require full engine power:

- Release the throttle, then press and hold the override button. (While this button is depressed, the override indicator light will be illuminated.)
- Reapply the throttle, engine will have full available power.
- Releasing the button will restore the speed limiting function.

NOTE: The override switch does not function when the vehicle is operating in 2WD / 4WD mode or reverse gear.

⚠WARNING
When vehicle is in speed limit mode and the throttle is open, do not depress the override button. Pressing the override button while the throttle is open can cause loss of control, resulting in severe injury or death. Always release the throttle before pressing the override button.

2 Headlight Switch

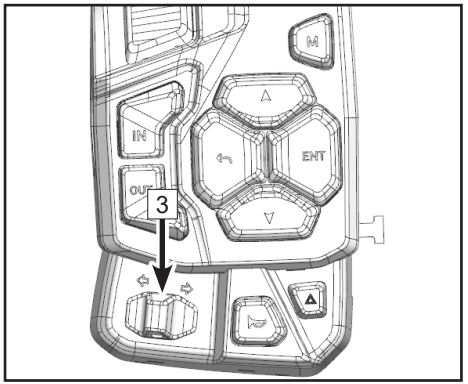


The headlight switch consists of 4 positions:

	When the switch is at this position, high beam, front position light, tail light, and license plate light are on.
	When the switch is at this position, low beam, front position light , tail light, and license plate light are on.

⚠CAUTION
Do not use the headlights with the engine turned off for more than 15 minutes. The battery may discharge to a point that the starter motor will not operate properly. If this should happen, remove the battery and recharge it.

3 Turn Switch (Available in Select Markets)



The turn switch consists of 3 positions, press the button according to the functions:

	Move the switch to this position, LH turning lights is flashing.
	Move the switch to this position, RH turning lights is flashing.

4 **Hazard Switch (Available in Select Markets)**

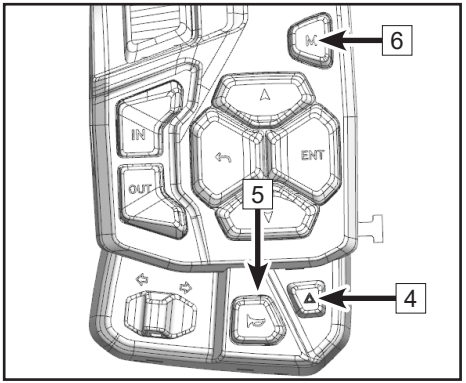
	Press the hazard switch. The front turn lights, rear turn lights and turn signal indicators on dashboard flash.

5 **Horn Switch (Available in Select Markets)**

	Press the button, the horn will sound.

6 **MODE Switch (Available in Select Markets)**

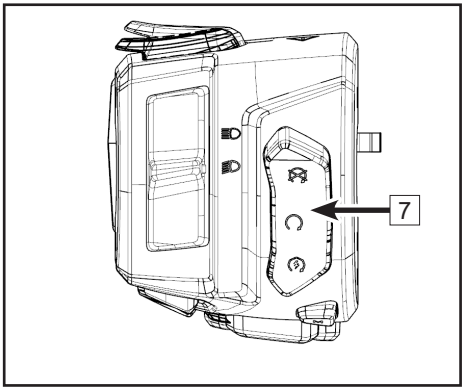
Mode switch by default. On the MMI dashboard, the drive mode, screen brightness control, navigation volume and touch switch can be adjusted on the setting interface.



7 **Start/Stop Switch**

	When the switch is at this position, the EFI system and start system are turned off.
	When the switch is at this position, the EFI system and start system are turned on.
	With the main switch turned ON and the start/stop switch at , press the switch to start the engine.

NOTE: The engine can be started in gear with the brake applied. 'Park' and 'Neutral' will allow starting without the brake.



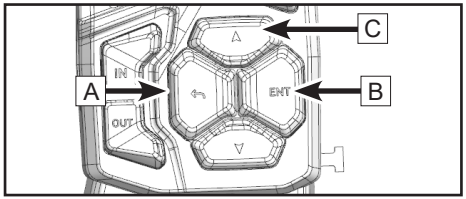
FEATURES & CONTROLS

8 Dashboard Switches

A **Return Button:** Press to return to a previous menu

B **ENTER Button (ENT):** Press to enter the menu interface

C **Up/Down Button:** Press to navigate menu choices

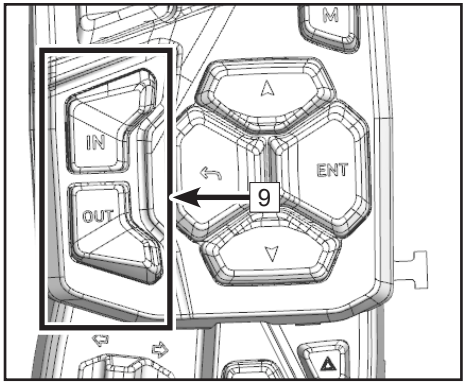


MENU: Calls>Fault>Telephone>Music>Other

Action	Main interface	Menu	Menu- Music interface	Call (Any interface)	When playing music (Main interface)	Music (Project screen)	Fault pop-up
Press up button	Switch to Optional Info 1	Up	Increase the volume	Increase the volume	Increase the volume	Increase the volume	/
Long-press up button	Reset TRIP 1, 2 mileage		Switch to the last song	/	Switch to the last song	Switch to the last song	/
Press down button	Switch to Optional Info 2	Down	Decrease the volume	Decrease the volume	Decrease the volume	Decrease the volume	/
Long-press down button	/	/	Switch to the next song	/	Switch to the next song	Switch to the next song	/
Press the confirm button	Enter the last log out menu	Enter the next menu / Confirm	Play / Pause	Answer call	/	Play / Pause	/
Long-press the confirm button	/	/	/	/	Play /Pause	/	/
Press the return button	/	Return to the last level	Return to the last level	Reject call / Hang up call	/	/	Cancel the fault display (One for each)

9 Winch Switch

The winch switch assembly is located on the LH handlebar, please read the winch manual to obtain more details before using or consulting your dealer.



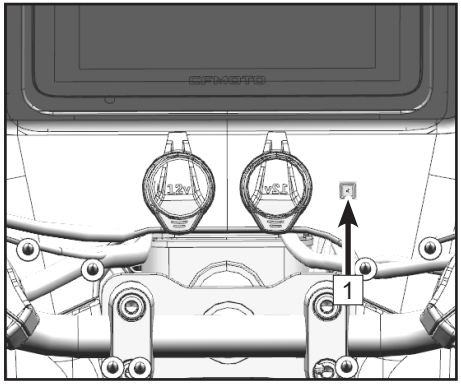
VR Switch

VR switch 1 is under the dashboard screen.

Press: activate/end the voice system

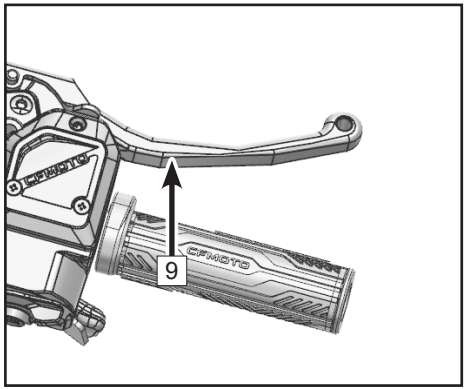
Long press: activate the voice assistant

NOTE: this function can be used when the Bluetooth earphone is connected.



10 Hand Brake

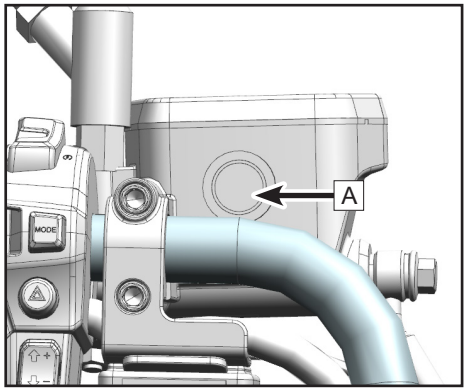
The hand brake lever is located on the left handlebar and controls front brake. Pull it toward the handlebar to apply the front brake. When squeezed, the lever or pedal should feel firm. Any sponginess would indicate a possible fluid leak or low master cylinder fluid level, which must be corrected before riding. Contact your dealer for proper diagnosis and repairs.



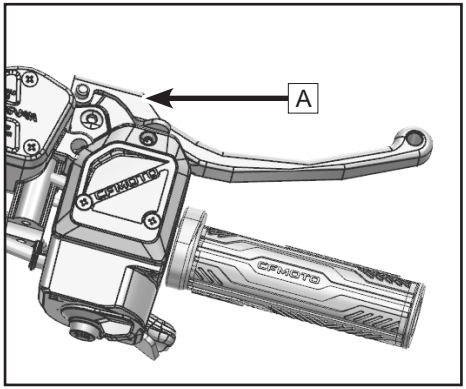
A Front Brake Fluid Reservoir and Level Indicator

Check the front brake master cylinder fluid level before each use of the ATV. The front brake master cylinder is located on the left handlebar. The fluid level can be viewed through the indicator window on the side of the master cylinder. If the fluid level is lower than the “lower”mark, replenish with brake fluid as necessary.

⚠WARNING
An over-full master cylinder may cause brake drag or brake lock-up, which could result in serious injury or death. Maintain brake fluid at the recommended level. Do not overfill.



Parking Brake



Hydraulic Parking Brake

Hydraulic parking brake is mounted on the left hand brake. To apply parking brake, grasp tightly the left hand brake and press foot brake at the same time, then press the hydraulic parking brake lever A into postion using your right hand and release the brake.

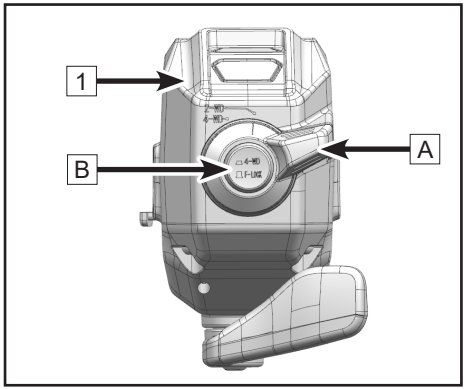
⚠WARNING
Do not operate the ATV when the parking brake is engaged, it may cause accidents, serious injury or death. Check and ensure the parking brake engagement is disconnected before operating.

Important Safety Precaution

If storing the vehicle for a long time, the parking brake may loosen. Do not to rely only on the parking brake when parked on a slope. Block the wheels to prevent rolling or park the vehicle on level ground.

⚠DANGER
Do not apply the hydraulic parking brake during riding.

Right Hand Controls



1 Drive Control System

This vehicle is equipped with a two-wheel / four-wheel drive selector and 'F-LOCK' switch for the front differential. Activate these drive modes according to the actual terrain and conditions:

A: Switches two-wheel drive (2WD) and four-wheel drive (4WD).

B: Switches four-wheel drive (4WD) to four-wheel drive lock ('F-LOCK') mode.

⚠ WARNING
The vehicle should be stopped before applying or releasing the function of 2WD/4WD/F-LOCK. Applying or releasing drive modes while the vehicle is in motion can lead to component damage.

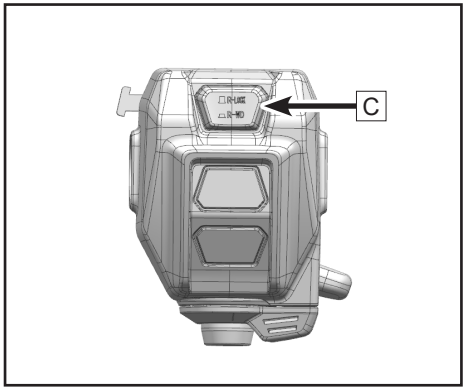
'F-LOCK' Operation

In 'F-LOCK' mode, both front axles are locked together and rotate at the same speed to provide maximum front wheel traction. The steering will require more force for turning. The drive mode indicator on the dashboard will flash until front differential lock is engaged.

Riding before the differential is properly engaged (e.g. when the indicator light is flashing) will cause the engine speed to be limited until engagement is complete.

Maximum traveling speed in 'F-LOCK' mode is limited to 22 mph (30 km/h). If conditions require full engine power to be available, press the override switch on the left control to disable speed limiting.

C:'R-LOCK' (Select Markets) switches the rear differential to rear-wheel drive 'lock' mode. This feature only applies to vehicles equipped with a rear differential and 'R-LOCK' switch.



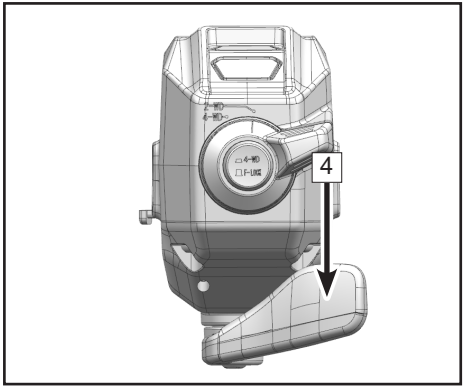
'R-LOCK' Operation (If Equipped)

In 'R-LOCK' mode, both rear axles are locked together and rotate at the same speed to provide maximum rear wheel traction. Turning effort and tire wear will be increased on hard surfaces. The drive mode indicator on the dashboard will flash until the rear differential lock is engaged.

Riding before the differential is properly engaged (e.g. when the indicator light is flashing) will cause the engine speed to be limited until engagement is complete.

2 Throttle Lever

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



⚠CAUTION
Check the operation of the throttle lever before you start the engine. If it does not work smoothly, check for the cause. Correct the problem before riding the ATV. Consult your dealer if you cannot find or solve the problem.

Mechanical Parking Brake (Select Markets)

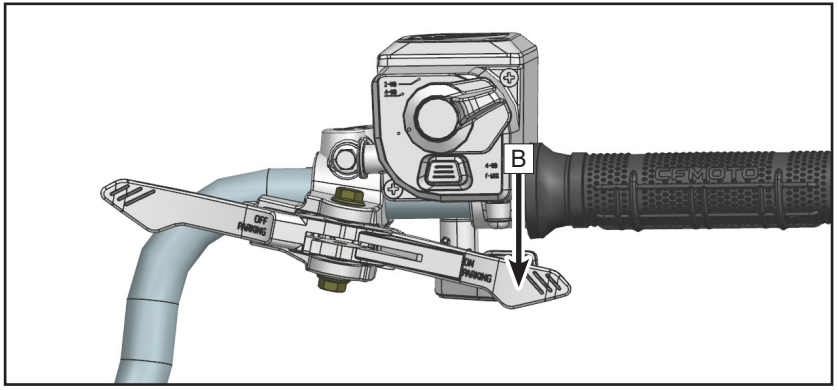
The mechanical parking brake is mounted on the right hand control switch. Flip the mechanical parking lever B to the right to apply the parking brake.

When the parking brake is activated, it will block the throttle lever to prevent it from being used.

⚠WARNING
Do not operate the ATV when the parking brake is engaged. It may cause accidents, serious injury or death. Check and ensure the parking brake engagement is disconnected before operating.

Important Safety Precaution

If storing the vehicle for a long time, the parking brake may loosen. Do not to rely only on the parking brake when parked on a slope. Block the wheels to prevent rolling or park the vehicle on level ground.

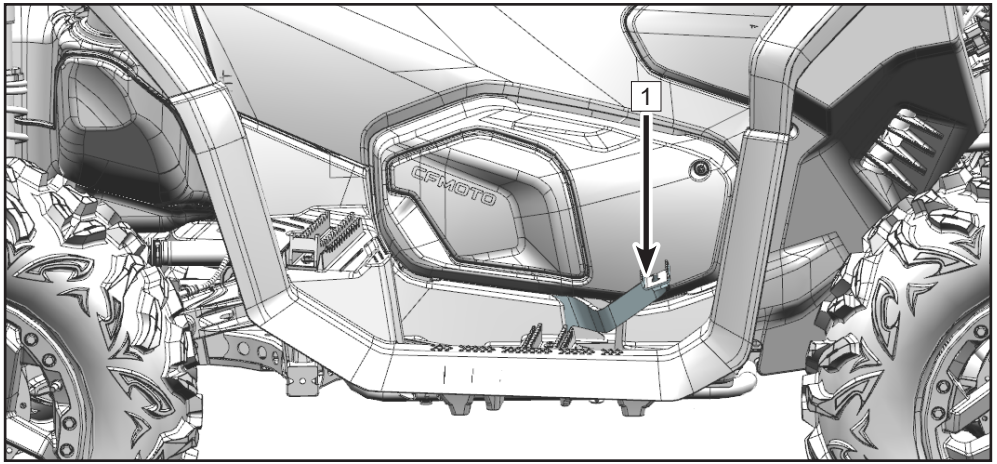


Foot Brake

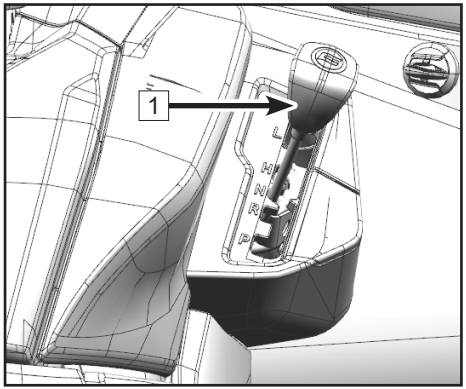
The foot brake pedal [1] is located on the right side floor board of the vehicle. Controls both the front and rear brakes.

When using the brake, the pedal should feel firm. Any sponginess would indicate a possible fluid leak or low master cylinder fluid level, which must be corrected before riding. Contact your dealer for proper diagnosis and repairs.

⚠WARNING
Operating the ATV with a spongy brake lever or pedal can result in loss of control, which could cause an accident. Never operate with a spongy-feeling brake lever or pedal.



Transmission Gear Selector



The transmission gear selector 1 is on the right side of vehicle.

⚠CAUTION
Always stop the ATV and press the foot brake pedal before shifting the transmission. Shifting gears with the engine speed above idle or while the vehicle is moving could cause transmission damage.

L - Low Gear. The low speed range of the gearbox. It allows the vehicle to move slowly with maximum torque at the wheels.

⚠CAUTION
To avoid damage to the CVT system, always use low gear for constant slow travel, to pull a trailer, carry heavy cargo, go over obstacles, or drive up and down hills.

H – High Gear. The high speed range of the gearbox. It is the normal driving speed range. It allows the vehicle to reach its maximum speed.

N – Neutral. In neutral position the engine power take-off is disengaged.

R – Reverse. The reverse gear position allows the vehicle to go backwards.

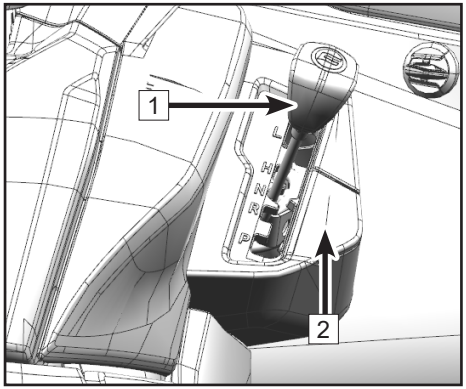
P – Park. The park position locks the gearbox to help prevent vehicle movement.

Parking the ATV

To park the ATV, stop the engine, press down the foot brake, and move the gearshift lever [1] to the 'P' position.

⚠CAUTION
Press down the brake pedal when shifting to park, and shake the vehicle to ensure the park mechanism is engaged.

Do not allow the vehicle to roll while shifting into park, which may damaged the transmission setting.



Important Safety Precautions

Do not to rely only on the park position when parking the ATV on a slope. Apply the parking brake and block the wheels to prevent rolling or park the vehicle on level ground.

Gearshift Lock (Select Markets)

A gearshift lock [2] is provided to lock the shifter and prevent the vehicle from been stolen.

If the ATV will be left unattended for a long time or parked outside, move the shift lever [1] to the Park position, lift the gearshift lock cover [2], and use the igntion key to lock the shift lever to prevent the vehicle from being stolen.

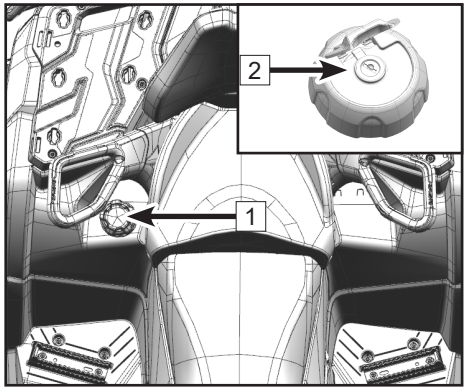
Fuel Tank

The fuel tank cap [1] is located on the right rear fender of vehicle. Open the fuel tank cap to replenish the fuel.

When the fuel tank is open, the fuel tank lock [2] (if equipped) will be released and removed. When the fuel tank is closed, the lock will automatically return to the slot and be locked.

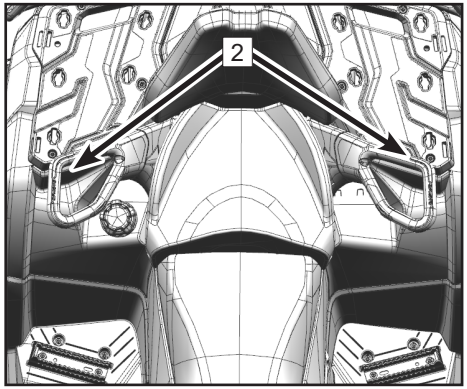
Fuel Minimum Octane Rating:

Use regular unleaded gasoline with a minimum fuel consumption of AKI (RON+MON)/2 octane rating of 87 or octane rating of 92. Use unleaded gasoline with an ethanol content not exceeding 10%. Non-oxygenated (ethanol-free) fuel is recommended for best performance in all conditions.



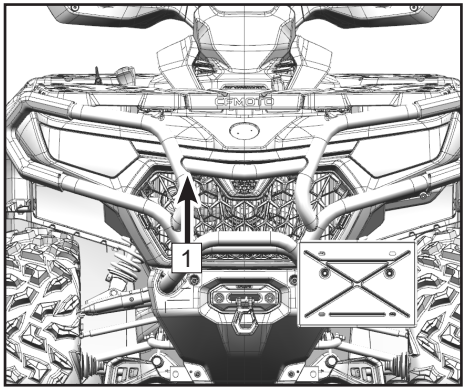
Passenger Hand Grips

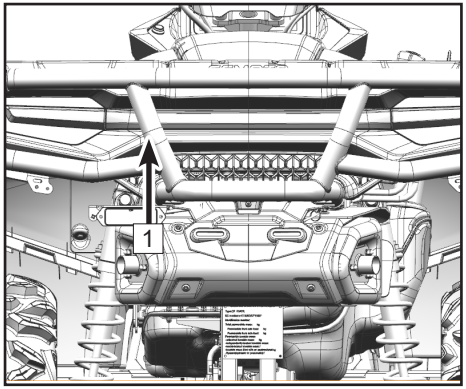
Passenger hand grips [2] are located on the sides of the passenger seat.



Bumpers (Select Markets)

According to the model configuration, your vehicle may equipped with accessory bumpers [1] which provide protection and help reduce damage to the vehicle.





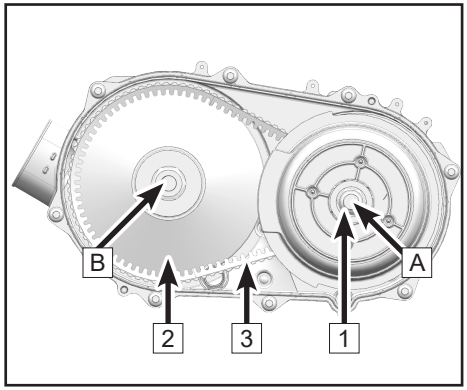
CVT System

This vehicle has a Continuously Variable Transmission (CVT) system that utilizes a belt and clutch pulleys to automatically vary transmission ratios, allowing infinite variability between the highest and lowest vehicle speeds with no discrete steps or shifts.

The CVT consists of a primary clutch [1] , which is an advanced form of centrifugal clutch that is mounted to the engine crankshaft [A].

The secondary clutch [2] is mounted to the transmission setting [B] and serves two functions: 1) As a “slave” pulley to the primary clutch. 2) To provide a torque sensing element. The drive belt [3] is a heavy duty V-belt that connects the engine and transmission clutch assemblies.

A CVT housing and cover encloses the clutches and belt assembly. It has inlet and outlet cooling ducts that route air to cool the components, and they should be inspected frequently. The CVT components do not contain any user maintenance items. Contact your dealer for service.



Photos only

⚠CAUTION
To extend belt life, use low forward gear in heavy pulling situations and when operating at less than 7 mph (11 km/h) for extended periods of time. If towing the vehicle becomes necessary, shift the transmission into neutral for better mobility and to prevent damage to the belt.

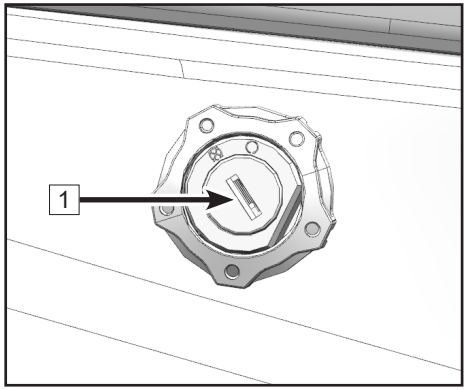
How To Avoid CVT Drive Belt and Component Failure

CVT clutch and belt life can be dramatically extended by avoiding these common operating mistakes:

Causes CVT Damage:	How To Avoid CVT Failure:
Attempting to load the vehicle onto a truck bed or tall trailer in high gear.	Shift transmission to low gear before loading the ATV to prevent belt burning.
Starting out on a steep incline in high gear.	When starting out on an incline, use low gear or dismount the ATV (after first applying the park brake) and perform the K-turn to return downhill.
Constant driving at low RPM, driving at just above clutch engagement RPM, or at low speed (Less than 12 mph [19 km/h]) in high gear.	Use low gear for cooler CVT operating temperatures and longer component life. Drive at higher speeds or use low gear more frequently.
Insufficient warm-up of CVT exposed to low ambient temperatures.	Warm the engine before driving, the CVT drive belt will become more flexible and prevent belt burning.
Slow and easy CVT clutch engagement.	Use the throttle with purpose and effectively for efficient CVT clutch engagement.
Towing/pushing at low RPM/low ground speed.	Use low gear only.
Utility use/plowing snow, dirt, etc.	Use low gear only.
Heavy vehicle load operating at low speed	Use low gear only.

Causes CVT Damage:	How To Avoid CVT Failure:
Stuck in mud or snow.	Shift the transmission to low gear, and carefully use fast, aggressive throttle application to engage clutch. **WARNING:** Excessive throttle may cause loss of control and vehicle overturn.
Climbing over large objects from a stopped position.	Shift the transmission to low gear, and carefully use fast, brief, aggressive throttle application to engage clutch. **WARNING:** Excessive throttle may cause loss of control and vehicle overturn.
Belt slipping from water or snow ingestion into the CVT system.	Drain the water from the CVT housing and dry the CVT if possible, or contact your dealer.
Overheating of the CVT components causes malfunction.	Contact your dealer for inspection and repair of the CVT components.

Vehicle Functions

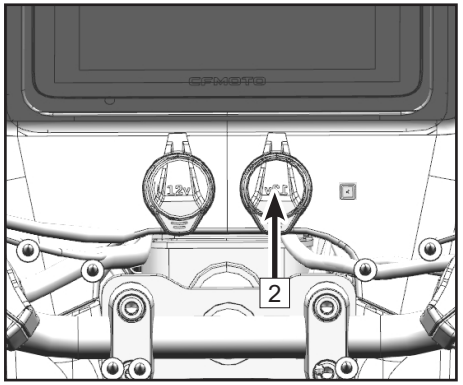


Key Switch 1

Key switch functions:

	All electrical circuits are on. The engine can be started and the key cannot be removed in this position.
	All electrical circuits are off. The key can be removed in this position.

⚠CAUTION
Remove and store the spare key. Your key can only be duplicated using a blank key if you have an existing key. If both keys are lost, it is necessary to replace the key switch assembly.



Power Socket and USB Socket 2

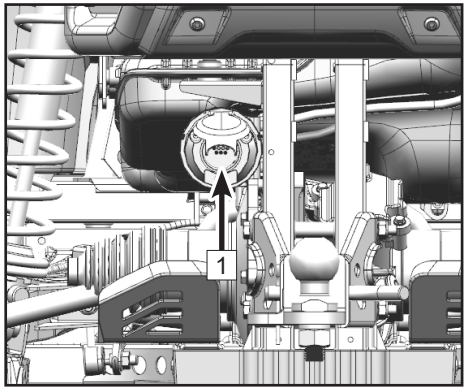
This vehicle is equipped with 12Vdc power socket and USB socket located under the dashboard panel. The sockets are configured to operate accessories such as handheld spotlights or charging electronic devices.

Please consult with your dealer on the use of powered accessories with your vehicle.

Trailer Power Socket 1 (Select Markets)

Depending on market configuration, this vehicle is equipped with trailer power socket 1 , located at the rear of vehicle. The socket wires are configured to the standard shown in the image.

Consult with your dealer about towing, the use of trailers, and available accessories for connecting a trailer to the vehicle.

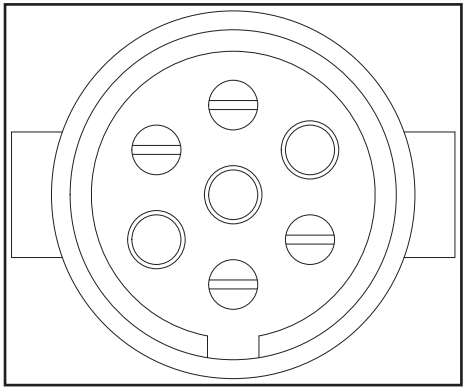


⚠CAUTION
When equipped, the unilateral turning light power draw at the trailer power socket should be always within 1W~21W. CFMOTO recommendeds checking your trailer's power requirement to ensure it is within the power range to prevent turning light failure.

Alarm

This vehicle is configured with an alarm that performs the following functions:

- When oil pressure signal is in GND, and oil pressure is <0.06mpa (8.7psi), alarm sounds one short/time. When the oil pressure rises to the normal range, the alarm disappears.
- If the coolant temperature is ≥115°C (239°F), alarm sounds two short/time. When the coolant temperature returns to the normal range, the alarm disappears.
- If the operator leaves the seat without parking, the OPC indicator on the dashboard will flash and the alarm will sound.



Winch Operation

This vehicle is equipped with a 3500-lb winch. The winch control is located on the left handle bar. To preserve battery power, only operate the winch when the engine is running. Please refer to the winch operation section of this manual or consult with your dealer on the use of the winch before using your vehicle.

GENERAL SAFETY PRECAUTIONS REGARDING WINCH USE

Moving Part Hazards

To prevent serious injury and property damage:

- Do not operate a winch without reading and understanding the instructions located in the winch operation section of this manual.
- Keep hands clear of wire rope, hook and fairlead opening during operation.
- Always use the supplied hook strap for applying tension when spooling in wire rope.
- Stand clear of wire rope and load during operation.
- Keep others away.
- Inspect winch installation and wire rope condition before operating the winch
- Do not use the winch as a hoist.
- Do not use the winch to move people.
- Do not exceed the rated capacity of the winch.
- Never touch wire rope or hook while in tension.
- Be certain the anchor point you select will withstand load.
- Never attach wire rope back onto itself. Use a chain or tree trunk protector on the anchor point.

- Prior to initiating a winching operation, be sure any element which can interfere with safe winching is removed.
- Do not disengage the winch drum when it is under load or the wire rope is in tension.
- Take your time. Poor rigging of the wire rope and load causes accidents.
- The wire rope must always spool onto the drum in the direction indicated by the rotation indicator.

To avoid injury and property damage:

- Do not use the winch to secure the vehicle or a load for transport.
- Do not submerge the winch in water.
- Do not use the winch to tow other vehicles.
- Wear heavy leather gloves when handling the wire rope.
- Never winch with less than 5 wraps of wire rope around the drum.
- Caution should be used if the vehicle is tied down for a winching operation. This may lead to damage to the frame.

Winch Operation

(Select Markets) Your vehicle may be equipped with a winch that can pull certain capacities and types of loads. It is useful for vehicle self-recovery when stuck, assisting another vehicle in recovery, moving fallen trees, brush, etc.

Practice operation and use of your winch before you actually need to use it.

The winch safety warnings, operating cautions and instructions in this manual must always be followed if your vehicle came equipped with a winch, or if you choose to install an accessory winch on your vehicle:

Winch Safety Warnings

⚠WARNING

- **Read and understand all sections of this manual.**
- **Improper winch use or failure to correctly follow the winch guidelines, instructions, and warnings in this manual can result in SEVERE INJURY or DEATH.**
- **Improper or lack of winch maintenance and service could lead to SEVERE INJURY or DEATH.**
- **Always keep body parts, hair, clothing, and jewelry clear of the winch cable, fairlead, and hook during operation. Never touch the hook with your fingers or place them inside the hook.**
- **Always keep the area around the vehicle, the winch, the winch cable, and the load clear of people, pets, and distractions during operation.**
- **Always wear eye protection and heavy gloves during winch operation.**
- **Never use alcohol or drugs before or while operating the winch.**
- **Never allow children under 16 years of age to operate the winch.**
- **Never attempt to "jerk" a load attached to the winch by moving the vehicle.**
- **Never winch up or down or to the sides at sharp angles. This can destabilize the winching vehicle and possibly cause it to move without warning.**
- **Never attempt to winch loads that weigh more than the winch capacity rating.**

⚠WARNING

- **Never touch, push, pull, or straddle the cable while winching a load.**
- **Never let the winch cable run through your hands, even if wearing heavy gloves.**
- **Never release the winch drum when the cable is under load.**
- **Never use the winch for lifting or transporting people.**
- **Never use the winch to hoist or suspend a vertical load.**
- **Never hook the winch cable back onto itself. This can damage the cable and result in failure.**
- **Never retract the hook fully into the winch. This can cause damage to system components.**
- **Never operate the winch or the vehicle if they are in need of repair or service.**
- **Always turn the ignition switch OFF and unplug the remote control (if equipped) to prevent inadvertent activation or unauthorized use when the vehicle or winch are not being used.**

Winch Operating Cautions

⚠CAUTION

- **Always inspect the winch and winch cable before each use. Never submerge the winch.**
- **Always use the provided hook strap when pulling cable out or guiding cable in. Never grab the hook or allow your fingers inside the hook or shackle.**
- **Always align the load directly in front of the vehicle / winch as much as possible. Avoid winching at sharp angles to the winching vehicle's centerline whenever possible.**
- **If winching at an angle is unavoidable, follow these precautions during operation:**
  - **A. Monitor the cable spooling on the winch drum. Never let it "stack" or accumulate at one end of the drum. Too much cable at one end of the drum can damage components.**
  - **B. If cable stacking occurs, stop winching. Follow the 'Winch Cable Spooling Guidelines' section in this manual to redistribute the cable on the drum evenly before continuing.**
  - **C. If the cable direction suddenly reverses, spool entanglement has occurred. Stop winching, dislodge the entangled cable, and re-spool it before continuing.**

⚠CAUTION

- **The wire rope must always spool onto the drum as indicated by the drum rotation label on the winch.**
- **Always apply the vehicle's park brake and/or park mechanism to hold the vehicle in place during winching. Use wheel chocks when necessary.**
- **Always maintain at least five (5) full turns of cable wrapped around the winch drum at all times. The friction provided by the wrapping allows the drum to pull the cable and move the load.**
- **Never grease or oil winch cable. The cable will collect debris that will shorten its life.**
- **The winch motor and relay may become hot during continuous use. When winching for more than 45 seconds, or if the winch stalls during operation, stop and allow the winch components to cool for a minimum of 10 minutes before using it again.**
- **Never operate the winch without running the engine. The engine charging system helps keep the battery maintained. Battery reserve capacity can be quickly exhausted by heavy winch use, rendering the starting system inoperable.**
- **Always operate with concern for the environment. Do not purposely damage trees, etc.**

Basic Winch Operation

Follow these operating instructions if your vehicle is equipped with a winch, or if you choose to install an accessory winch on your vehicle. Read ***Winch Safety Warnings and Winch Operating Cautions*** on the preceding pages before using your winch.

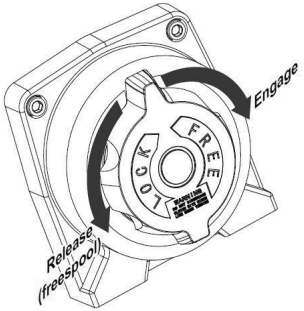
BEFORE YOU BEGIN - Realize that each winching situation is unique:

- Take your time and think through the winch operation you are about to perform.
- Proceed slowly and deliberately. Never hurry or rush during winching.
- Always pay attention to your surroundings.
- Be prepared to change your winching strategy if it is not working.
- Remember that although your winch is very powerful, there are simply some situations that you and the winch will not be able to deal with. Do not be afraid to ask others for help when necessary.

FEATURES & CONTROLS

1. Inspect the vehicle, winch, cable and controls for signs of damage or parts in need of repair before each use. Pay particular attention to the initial 3 feet (1 meter) of cable if the winch is used (or has been used) for lifting a plow. Promptly replace a worn or damaged cable.
2. Apply the vehicle's park brake and/or park mechanism to hold the vehicle in place during winching. Use wheel chocks when necessary.
3. Release the winch drum and pull out the required length of cable. Always use the hook strap to handle the hook. Never remove the hook strap from the hook.

The winch drum release/engage knob is located on the side of the winch (left or right side varies by model). Grasp the knob and rotate it forward or backward as necessary to release/engage the winch drum.



⚠CAUTION
Always maintain a minimum of five (5) full turns of cable around the winch drum at all times. The friction provided by the wrapping allows the drum to pull the cable and move the load.

4. Attach the hook onto the load, or use straps or chains to secure the load to the winch hook. Do not hook the winch cable back onto itself.

⚠WARNING
Never use a 'recovery strap' for winching. Recovery straps are designed to stretch and could release excessive energy that can result in SEVERE INJURY or DEATH if the strap or winch cable breaks. Use only undamaged straps or chains that do not stretch.

5. Re-engage the winch drum.

6. Slowly winch in cable slack until it is gone, then stop and follow the ‘winch cable damping’ instructions to ensure safe operation:

Winch Cable Damping

A. Use a damper to absorb energy that could be released by a cable failure. A damper can be a heavy jacket, tarp, or other soft, dense object. The damper can absorb much of the energy released if the cable breaks during winching. Even a tree limb or brush can help as a damper if no other items are available to you.

B. Lay the damper on top of the cable at the mid-point of the winch cable length.

C. On a long pull, it may be necessary to stop winching so the damper can be repositioned to a new mid-point. Always release the tension on the winch cable before repositioning the damper.

D. Avoid being directly in line with the winch cable whenever possible. Also, never permit others to stand near or in line with the winch cable during winch operation.

7. Stop winching as soon as the job is completed or the load can be moved without the help of the winch.

8. Detach the winch hook, then re-spool the cable evenly back onto the drum following the instructions in this manual.

Vehicle Recovery Methods

Vehicle Self-Recovery:

A. Release the winch drum and pull out the required length of cable.

B. Whenever possible, pick an anchor point that aligns the winch cable to the vehicle’s centerline as close as possible. This will help spooling of the winch cable and reduce the load on the fairlead.

C. Attach the winch hook to an anchor point that is able to withstand the load.

NOTE: If freeing a stuck vehicle by attaching to a tree, use an item to avoid damaging the tree such as straps or a specifically designed protector during winch operation. Sharp cables and chains can damage and even kill trees. Always respect the environment.

D. Re-engage the winch drum.

E. Slowly winch in any slack in the winch cable, then damper it.

F. Shift to neutral, or use the lowest gear available that will propel the vehicle in the direction of winching.

G. Carefully apply winch power and throttle together to free the vehicle (optional).

⚠CAUTION
Using the vehicle throttle and winching at the same time has risk and is optional. Place the vehicle in neutral and use only the winch if unsure of your operating abilities.

H. Stop winching as soon as the stuck vehicle is able to propel itself without the help of the winch.

I. Detach the winch hook, then re-spool the cable evenly back onto the drum, following the instructions in this manual.

⚠CAUTION
The ONLY time a winch-equipped vehicle should be moving and using the winch is for self-recovery. The winch-equipped vehicle should NEVER use motion to "shock-load" the winch cable in an attempt to recover a second stuck vehicle. See 'Winch Shock Loading' section in this manual for more information.

Recovery of Another Vehicle:

A. Release the winch drum and pull out the necessary length of cable.

B. Attach the winch hook to the vehicle. Whenever possible, pick an anchor point on the stuck vehicle that aligns the cable to the winching vehicle's centerline as close as possible. This will help the spooling of the winch cable and reduce the load on the fairlead.

⚠CAUTION
Never attach the winch hook to a suspension component, brush guard, bumper or cargo rack. Vehicle damage may result. Always attach the hook to the strongest available portion of the vehicle frame or hitch.

C. Re-engage the winch drum.

D. Slowly winch in any slack in the winch cable, then damper it.

E. Shift to the lowest gear available on the stuck vehicle that will propel it in the direction of winching.

F. Carefully apply winch power and the stuck vehicle's throttle together to free it.

G. Stop winching as soon as the stuck vehicle is able to propel itself without the help of the winch.

H. Detach the winch hook, then re-spool the cable evenly back onto the drum, following the instructions in this manual.

Winch Cable Care

Always inspect your winch cable before each use for worn or kinked winch cable. Never use a cable that is damaged. Follow these guidelines for inspection and use:

- A winch cable made of wire rope that is kinked, deformed, or bent is permanently and severely damaged. Promptly discontinue use and replace a winch cable in this condition.
- A kinked winch cable made of wire rope that has been "straightened out", even though it may look usable, has been permanently and severely damaged. It can no longer achieve its load capacity rating. Promptly discontinue use and replace a winch cable in this condition.
- A winch cable made of synthetic rope should be inspected for signs of fraying. Replace the cable if fraying is observed. Promptly discontinue use and replace a winch cable in this condition.

- Replace a winch cable made of synthetic rope if fused or melted fibers are discovered. The synthetic rope will be stiff and appear smooth or glazed in the damaged section. Promptly discontinue use and replace a winch cable in this condition.
- Never replace synthetic winch cable with consumer-grade polymer rope. Only use cable that is specifically designed for winch use.
- Never grease or oil a wire rope winch cable. The cable will collect debris that will shorten its life.
- Never operate the winch with a damaged hook or latch. Always replace damaged parts before using the winch.

⚠WARNING
Replace the winch cable and components at the first sign of damage to prevent SEVERE INJURY or DEATH in the event of failure.

Winch Cable Spooling Guidelines

After winching is complete, and especially if winching at an angle, it may be necessary to re-spool the winch cable evenly across the drum. This reduces the chances of the winch cable “wedging” itself between lower layers of cable. You will need an assistant to perform this task:

A. Release the winch drum.

B. Pull out the cable that is wrapped unevenly onto the drum.

C. Re-engage the winch drum.

D. Have an assistant pull the winch hook strap tightly to apply approximately 100 lbs. (45 kg) of tension.

E. Winch the cable in while the assistant moves the end of the cable back and forth horizontally to evenly distribute it onto the drum.

Winch ‘Shock Loading’

Your winch (if equipped) is designed and tested to withstand the loads produced when operated from a stationary vehicle. Always remember that the winch, cable and components are NOT designed for shock loading. Follow these guidelines:

- Never attempt to “jerk” a load with the winch. For example, never take up cable slack by moving the winching vehicle in an attempt to move an object. This is a dangerous practice that generates high loads which may exceed the strength of the components. Even a slow moving vehicle can create a large shock load which can cause damage.
- Never quickly operate the winch IN and OUT buttons repeatedly (‘’jogging”). This is a form of shock loading that puts extra load on the winch components, the cable, and generates excessive heat in the motor and relay assembly.
- Never tow a vehicle or other objects with your winch. Towing with a winch produces shock loading even at slow speeds. Towing with the winch also positions the towing force high on the vehicle, which can cause vehicle instability and the possibility of an accident.
- Never use recovery straps with your winch. This is a form of shock loading. Recovery straps are designed to stretch and can store energy. Stored energy in the recovery strap is released if a failure occurs, making the event even more hazardous. Similarly, never use elastic “bungie” cords for winching.
- Never use the winch to tie down the vehicle to a trailer or other transporting unit. This is a form of shock loading that can cause damage to the winch components, the cable, or the transporting unit.

Front panel access

Your vehicle is equipped with an access panel on the front rack.

To remove the panel:

1. Lift and pull the rubber retaining strap away from the panel until the strap releases from the front tab.
2. Lift up on the nose of the panel. Slide the panel upward toward you and away from the rack.

To reinstall the panel:

1. Align the tabs at the rear of the cover into the rack and place the cover into the rack opening.
2. Press down on the center of the cover.
3. Lift and push the rubber retaining strap onto the front panel tab to secure it.

Rear storage

Your vehicle is equipped with a storage compartment at the rear of the vehicle.

To open:

1. Lift and pull the rubber retaining strap away from the cover until the strap releases from the tab.
2. Pull the cover toward you.

To close:

1. Secure the cover onto the opening.
2. Press on the center of the cover.
3. Lift and pull the rubber retaining strap onto the cover tab to secure it.

Multi-Function Display: Standard

(Select Markets)

The multi-function display is mounted at the front of the handlebar and divided into two function areas:

1: Instrument Indicators

2: Instrument Display

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

Activation and Start-up Self Check

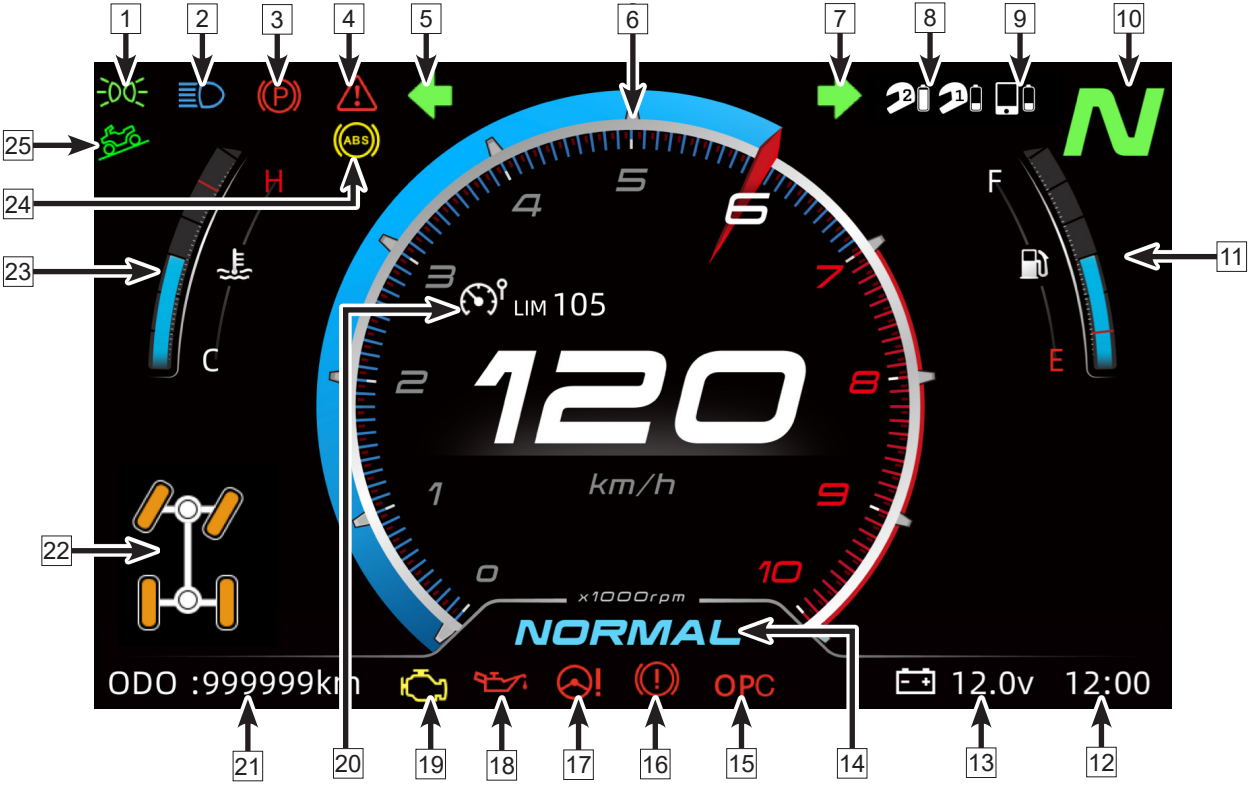
Activation

The instrument activates synchronously when the ATV is powered on.

Start-up Self Check

The screen will display a startup animation and the indicator light is turned on duing self-inspection. At this time, the control buttons will not respond until the animation has ended.

Indicators and Function



1	Position Light Indicator	2	High Beam Light Indicator	3	Parking Brake Indicator (if equipped)
4	Override Indicator	5	LH Turning Light Indicator	6	Engine RPM
7	RH Turning Light Indicator	8	Rider/Passenger Helmet Connection	9	Mobile Device Connection
10	Gear Display	11	Fuel Level Indicator	12	Clock Display
13	Option Information 2	14	Mode Display	15	OPC Indicator
16	Brake Failure Indicator	17	EPS Indicator	18	Oil Pressure Warning Indicator
19	EFI Malfunction Indicator	20	Speed Limitation Indicator	21	Option Information 1
22	2WD/4WD Mode Display	23	Coolant Temperature Indicator	24	ABS Indicator (if equipped)
25	Downhill Assist Indicator				

FEATURES & CONTROLS

1 - Position Light Indicator

When the position light indicator is on, the position lights are on.

2 - High Beam Light Indicator

When the headlight switch is set to high beam, the indicator is on.

3 - Park Brake Indicator

When the parking brake is applied, the indicator is on.

4 - Override Indicator

When the override switch is activated in ‘F-LOCK’ mode, the indicator is on.

5 - LH Turning Light Indicator (Available in Select Markets)

When the turn switch is pushed left, the LH turning light indicator will be on.

6 - Engine RPM

The current engine RPM is displayed here.

7 - RH Turning Light Indicator (Available in Select Markets)

When the turn switch is pushed right, the RH turning light indicator will be on.

8 - Rider/Passenger Helmet Connection

When connected to a helmet equipped with Bluetooth, it display the helmet and battery level.

9 - Mobile Device Connection

A device icon and battery level is displayed here when a mobile device is connected.

10 - Gear Display

The current transmission gear is displayed here.

11 - Fuel Level Display

When the fuel remain more approach E, it indicates the fuel remaining more lower.

Arrange the trip when the fuel remaining approaches limitation, and replenish the fuel in time. Lack of fuel may lead to the fuel pump getting damaged.

12 - Clock Display

The current time is displayed here.12 hour/24 hour units can be switched in the menu.

13 - Option Information 2

Press the ‘down’ button to toggle through; Voltage, TRIP riding time, ODO riding time, TRIP average fuel consumption, TRIP average riding speed, ODO average riding speed, and CVT temperature.

The current CVT temperature displays here:

1 ≤120°C (248°F). The character and temperature value displays in white color.

2 ≤130°C (266°F). The character and temperature value displays in yellow color.

3 Exceeds 130°C (266°F). The character and temperature value displays in red color.

14 - Mode Display

The selected mode of WORK, SPORT or NORMAL is displayed here, which can be switched in the menu.

15 **- OPC Indicator (Available in Select Markets)**

If the driver leaves the seat and the vehicle is not in Park, this indicator will be on and an alarm will sound at the same time.

(**OPC icon will light and alarm will sound**)

OPC Function:

Signal Source	**Signal Mode**		
Engine RPM(r/min)	≤1800	≤1800	>1800
Transmission in Park	YES	NO	/
Seat pressure signal	/	NO	/
OPC alarm mode	OPC - no alarm	OPC icon on and alarm sounds	OPC - no alarm

16 **- Brake Fluid Indicator (Available in Select Markets)**

When the brake fluid level is too low, the indicator will be on.

17 **- EPS Indicator (Available in Select Markets)**

When the EPS is not working, or an EPS fault occurs, the indicator will be on.

18 **- Oil Pressure Indicator**

The oil pressure is low when the indicator is on. Stop operation and inspect the oil level or engine.

19 **- EFI Malfunction Indicator**

If the EFI system detects a fault, the indicator will be on.

20 - Speed Limitation Indicator

When the speed limitation function is activated, it will display the current speed limit set here.

21 - Option Information 2

Press the ‘UP’ button to switch between ODO, and TRIP.

22 - Drive Mode Display

Displays the mode of 2WD, 4WD and ‘F-LOCK’.

23 - Coolant Temperature Indicator

The dashboard will display the current coolant temperature here. ‘C’ stands for low temperature, ‘H’ stands for high temperature. A too high or too low reading is abnormal. If the temperature is too low, warm the engine by increasing idle speed to keep in a normal range. Turn off the engine and allow the coolant to cool down if the temperature is too high. Keep the temperature inside the normal range.

24 - ABS Indicator (Available in Select Markets)

When ABS is working, the ABS indicator will be on when the vehicle is stationary, and the indicator will turn off when in a riding state. If a fault is detected, the ABS indicator will be always on.

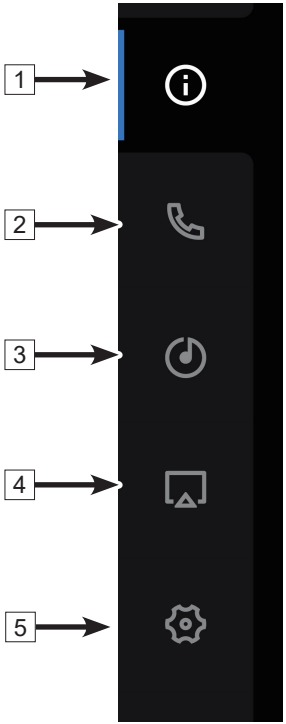
25 - Downhill Assist Brake Indicator

This function can be turned on from the menu, and the indicator is always on when it is activated. During downhill travel, when the throttle is released and speed decreases to the proper range, the downhill assist brake function starts to work, maintaining CVT engagement using engine rpm and compression forces to control the downhill descent at a safe speed.

Instrument Menu

In the instrument menu, riders can view, adjust, and set various features from the following content categories:

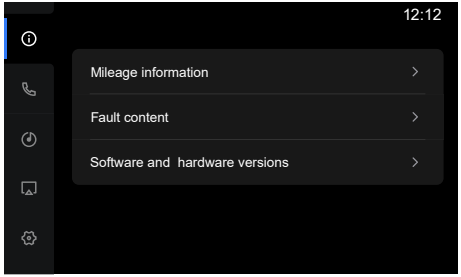
1: Vehicle Information
2: Telephone/Contacts
3: Music
4: Mobile device inter-connection
5: General settings



Vehicle Information

Basic Information

Press ENT on the LH handlebar to enter the menu interface.



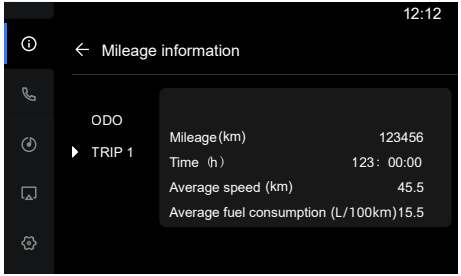
Enter the menu.

Enter vehicle information.

Enter to check the mileage information, fault information, software and hardware version.

Mileage Information

In the mileage information interface, riders can view the complete mileage information, including accumulated mileage (ODO), average speed, riding time, and average fuel consumption (TRIP 1).



Enter the menu.

Enter the vehicle information.

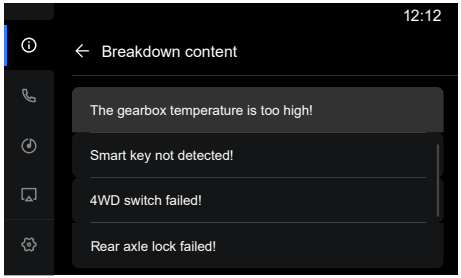
Enter the mileage information interface.

Trip 1 Reset:

Long press the ‘up’ button to reset the TRIP 1 mileage.

Warning

On the Warning interface, you can view faults or warnings if the vehicle system detects a fault. When a fault occurs, stop driving the ATV as soon as possible and contact an authorized CFMOTO service center for diagnosis.



Enter the menu.

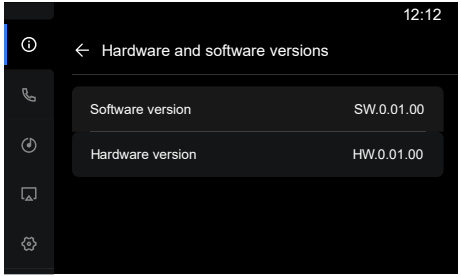
Enter the vehicle information.

Enter the warning interface.

Check the warning content.

Software and Hardware Version

On the software and hardware versions interface, you can view the software and hardware versions of the vehicle.

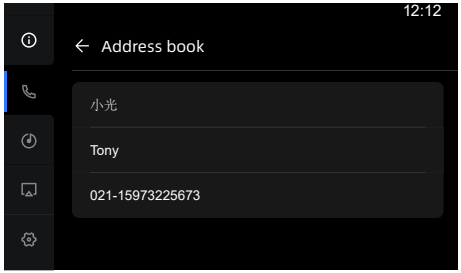


Enter the menu.

Enter the vehicle information.

Enter the software and hardware versions interface.

Telephone/Contacts



On the telephone interface, you can check the contacts, recent calls, and dial the number.

Enter the menu.

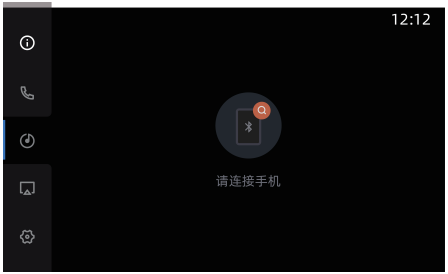
Enter the telephone interface.

Check the contacts and recent calls.

⚠WARNING
Using a Bluetooth headset or telephone system may distract your attention and slow your reaction time.
Do not use telephone functions while riding.
Please park the vehicle safely before making or answering any call, or viewing the contacts list.

Music

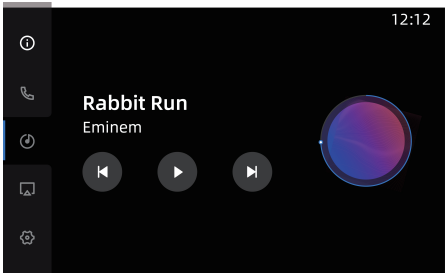
On the music interface, users can play songs from a connected device via Bluetooth, and can utilize functions by pressing the buttons to switch songs, adjust the volume, etc. (see left hand control section).



Enter the menu.

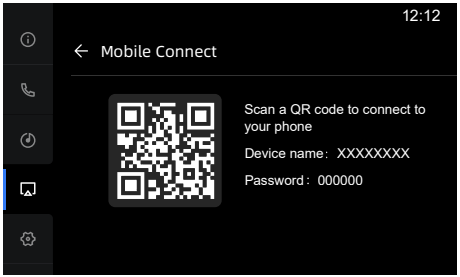
Enter the music.

Select the song you prefer.



Telephone Interconnection

Utilize the projection and navigation functions of a mobile device by interconnection between the vehicle and telephone.



Mobile End:

Open the CFMOTO RIDE APP to click MotoPlay, which can utilize the automatic connection or enter the map. Connect by scanning the QR code.

In the Instrument interface:

Enter the menu.

Enter the telephone interconnection.

Utilize the projection and navigation functions.

General Settings

(Select market configuration applies)

In the general settings menu, users can adjust and set the following contents:

Driving Mode

Dynamic Downhill Assist

Vehicle Speed Limit Adjustment

Power Assist Mode

Device Connection

Brightness Control

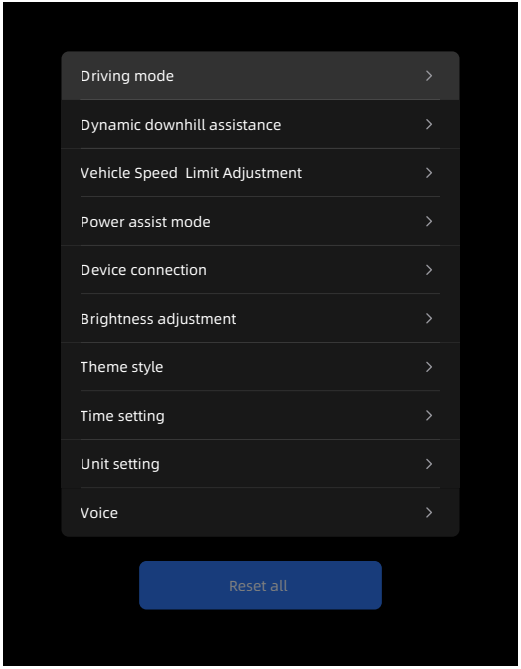
Interface Style

Time Settings

Unit Setting

Language

Reset All



Driving Mode

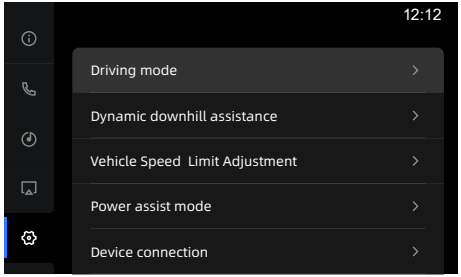
This vehicle provides driving modes, which can be selected according to actual road or terrain conditions and the driver's driving ability. to optimize the driving experience.

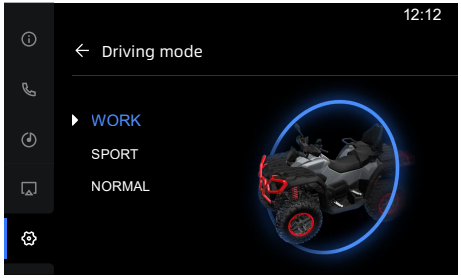
Enter the menu.

Select Settings.

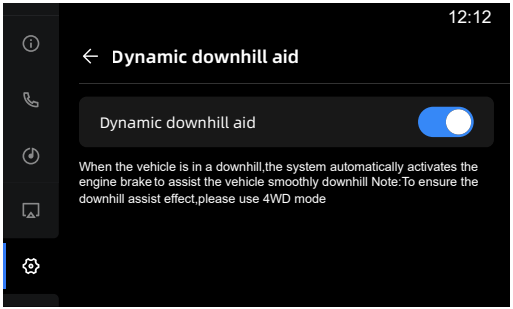
Select Driving mode.

Select the desired mode.





Dynamic Downhill Assist



Dynamic downhill assist is an advanced vehicle auxiliary function, which provides an accurate and intelligent engine braking control that assists the driver to keep a safe and stable speed while traveling downhill.

NOTE: When turning on the dynamic downhill assist function, riders should be always remain cautious. Stay alert to actual conditions and adopt proper measures to ensure safe riding.

Enter the menu.

Select Setting.

Select the dynamic downhill assist.

Turn on/off dynamic downhill assist function.

NOTE: When turning on the dynamic downhill assist function, riders should always keep cautious according to the actual situations and adopt proper measures to ensure safe riding. Due to function, adjustment, and version updates of the instrument and renewed vehicle configurations by market, some contents of this instrument section may change. Please selectively refer to this section according to your vehicle’s configuration.

Vehicle Speed Limitation Adjustment

(Available in Select Markets)

The vehicle is equipped with a speed limitation adjustment function that mainly helps the rider keep safe and abide by the traffic rules. Adjust the maximum riding speed for actual road conditions or your preference.

Once a speed limitation is set, the vehicle will not exceed the maximum speed pre-set. When the speed reaches the pre-set value, the system will automatically control the torque input to keep the vehicle keep stable and prevent speeding.

The speed limit will cycle to 30 km/h or 105 km/h.

NOTE: If the vehicle is powered off or the feature is turned off, the speed limitation function is required to be reset.

NOTE: The speed limitation adjustment is an auxiliary function. It doesn't mean that the vehicle has unrestricted performance. Riders should be always remain cautious. Stay alert to actual conditions, traffic rules, and adopt proper measures to ensure the safe riding.

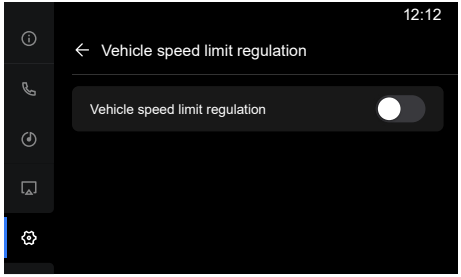
Enter the menu.

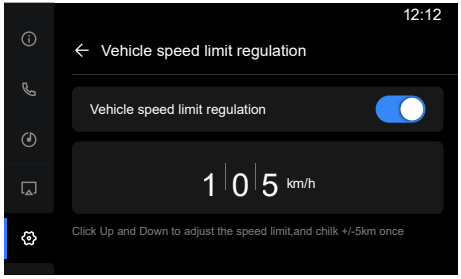
Select the setting.

Select the vehicle speed limitation adjustment.

Turn on/off the vehicle speed limitation adjustment.

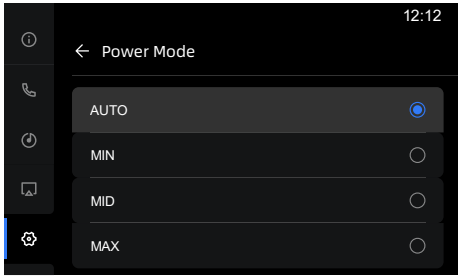
The maximum limiting speed is adjusted via a handlebar switch.





Power Assist Mode

Power assist mode feature provides drivers with adjustable electronic power steering force to relieve the operating burden from the steering system.



NOTE: Power assist mode is an auxiliary function, which does not mean the vehicle can automatically steer by itself. According to the actual road or terrain condition, please select the level of power assist.

Enter the menu.

Select setting.

Select the assist mode.

Select the desired assist mode.

NOTE:

In Auto Mode, Sport matches with Min by default

In Normal Mode, Work matches with Max by default

The settings can be modified to suit your driving habits.

Device Connection

Navigation, telephone calls and music functions can be utilized when a mobile device and helmet communcations are connected to the instrument via Bluetooth.

Follow these steps to connect the equipment:

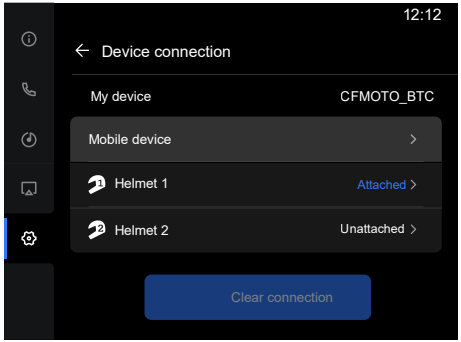
Enter the menu.

Enter the setting.

Turn on the equipment connection menu

Turn on the Blue-tooth menu.

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



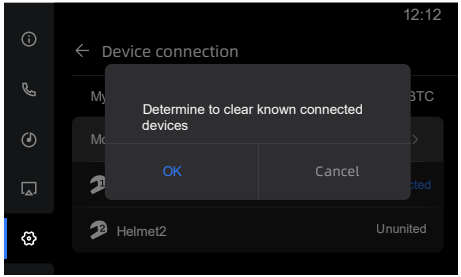
Clear the equipment data:

Follow these steps to operate connected equipment:

Enter the menu.

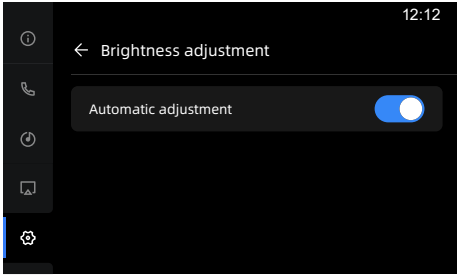
Enter the setting.

Turn on the equipment connection menu.
Ensure that the Bluetooth of the mobile phone is disconnected.



Brightness Control

Manually adjust the brightness of the instrument, or the instrument automatically adjusts brightness according to the ambient light.

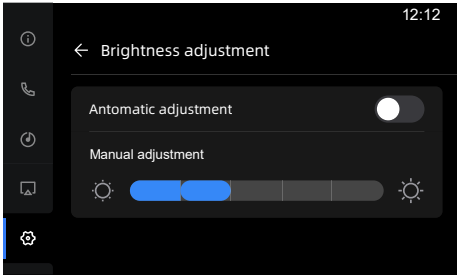


Enter the menu.

Enter the setting.

Select the brightness control.

Turning on the automatic brightness adjustment, the brightness can adjusts automatically.



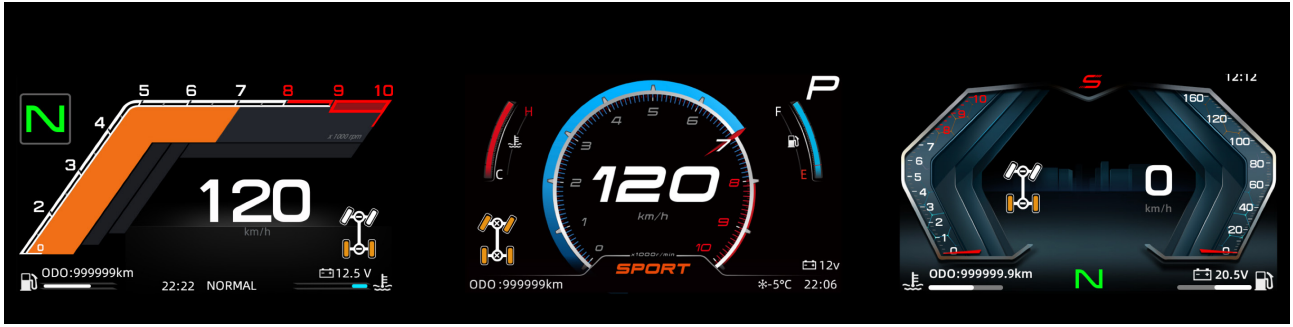
Turning off the automatic brightness adjustment activates manual adjustment of the desired brightness.

Interface Style

Select a different interface style to your preference.



Enter the menu.
Select the setting.
Select the interface style.
Select the desired interface.



Time Setting

Adjust the displayed time on the main interface.

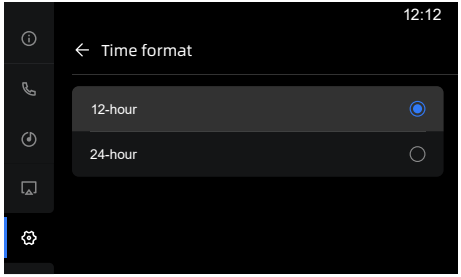
Enter the menu.

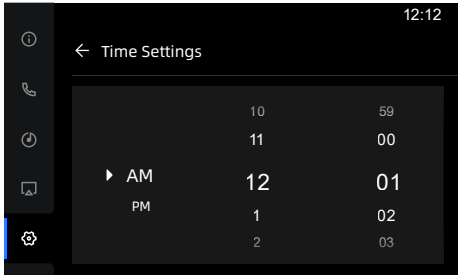
Enter the setting.

Turn on the time set menu.

Select the Hour/minute/unit (12 hour unit / 24 hour unit).

Adjust the time value or time period.





Units

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

Enter the menu.

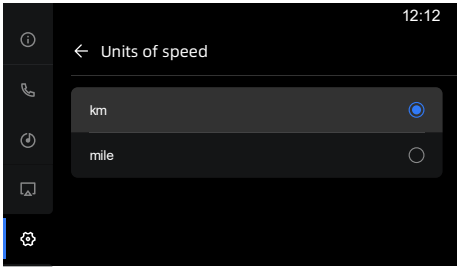
Enter the setting.

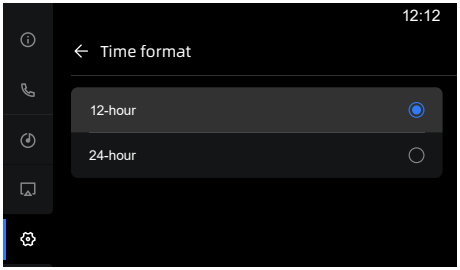
Switch the units format.

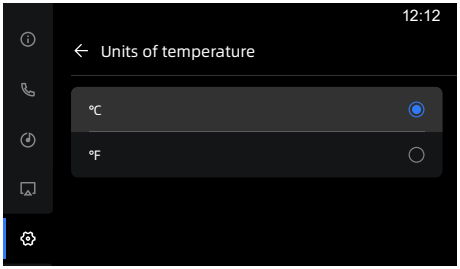
Speed: (km/h / mph)

Time: (24 hour / 12 hour)

Temperature: (°C / °F)







Language

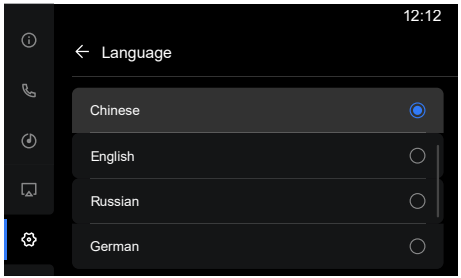
Adjust the instrument's language to suit your preference.

Enter the menu.

Enter the setting.

Turn on the language menu.

Select the needed language.



Reset All

You can reset all instrument settings to factory defaults.

NOTE:

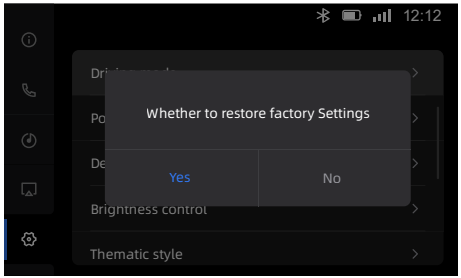
This function does not reset ODO or related functions.

Enter the menu.

Enter the setting.

Turn on the reset factory setting menu.

Reset settings to their factory state.

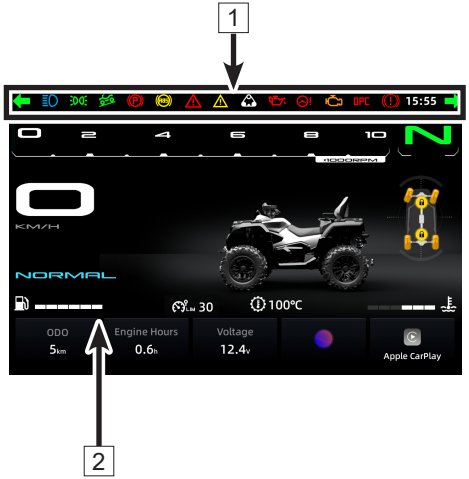


Multi-Function Display: With App Capability

(Select Markets)

Instrument

NOTE
Due to function adjustments and version updates of the instrument and renewed vehicle configurations, some contents of the instrument may change. Please selectively refer to this section according to your vehicle's configuration.



The instrument is located at the front of the dashboard and is divided into two function areas:

1: Instrument Indicators

2: Instrument Display

Activation and Self-test

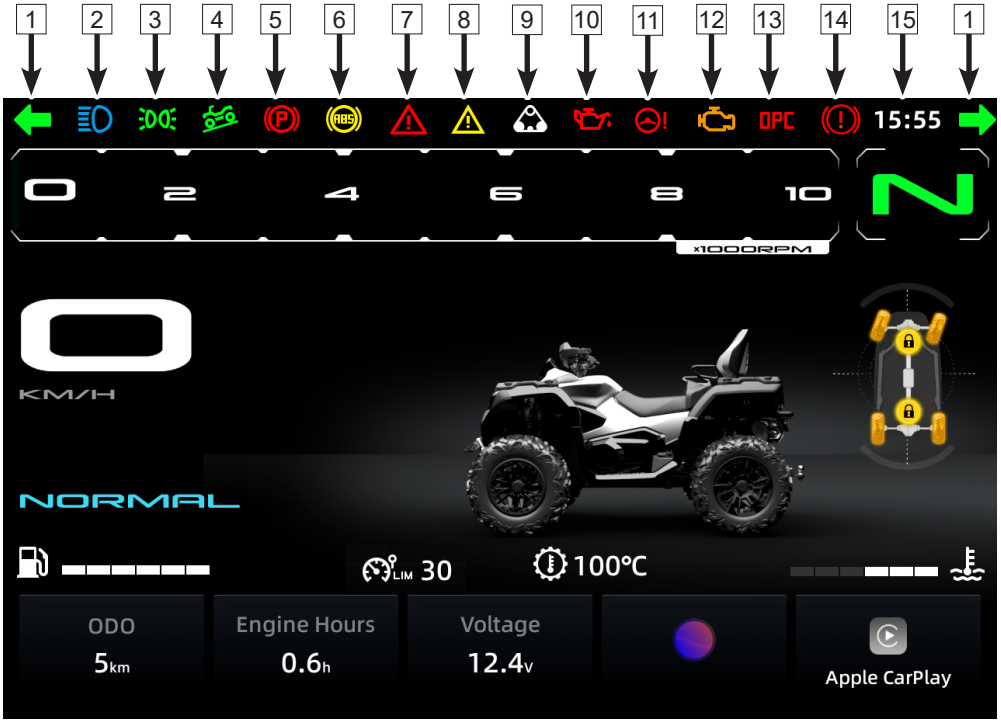
Activation

The instrument activates when the vehicle is powered on.

Self-test

The display screen shows a startup animation and the indicator light turns on for self-inspection. During this time, the screen or control knob will not respond until the animation is over.

Dashboard Indicators and Warnings



Dashboard Indicators and Warnings

1	Turning Light	6	ABS Indicator	11	EPS Fault Warning Indicator
2	High Beam Indicator	7	Override Indicator	12	EFI Indicator
3	Position Light Indicator	8	General Malfunction	13	OPC Indicator
4	DAC Indicator	9	Track Mode Indicator	14	Brake Fault Warning Indicator
5	Parking Brake Indicator	10	Oil Pressure Signal Indicator	15	Clock

NOTE: the turning light is available for the selective countries.

Turning light- 1 (If equipped - available in select markets or countries)
This indicator illuminates when the RH turning light switch is in this position.

This indicator illuminates when the LH turning light switch is in this position.

High Beam Indicator - 2
This indicator illuminates when the high beam indicator switch is in this position

Position light indicator - 3
This indicator illuminates when the position light indicator switch is in this position.

DAC (Downhill Assist Control) Indicator - 4
Press the DAC button to turn on the DAC function. The indicator is on. When the rider decreases the speed in a proper range during downhill, the DAC function starts to work and controls the speed within a safe range.

Parking Brake Indicator -5

This indicator displays when the parking brake function is activated.

ABS Indicator -6 (If equipped)
If there is any ABS fault, the ABS indicator will be on. Please contact an authorized CFMOTO dealer for repair.

Override Switch Indicator -7

The engine is normally speed limited when operating in 4WD-LOCK. If conditions require more engine power:

Release the throttle and press the override button, the override indicator light will be on.

Press the button, then reapply the throttle.
Release the button to restore the speed limiting function.

NOTE
Override button cannot be used in 2WD/4WD modes.

⚠WARNING
Do not press override button when the vehicle is in speed limiting mode and the throttle is open. Pressing the override button while the throttle is open may cause sudden acceleration, resulting in a loss of control, severe injury, or death. Always release the throttle before pressing the override button.

General Malfunction Indicator - 8

This indicator displays when a fault occurs in the BCM system.

Track Mode Indicator - 9

If the tire is equipped with the track, this indicator will be on.

NOTE: When the track tire needs to be replaced, contact an authorized GOES dealer for the operation of the dashboard pairing, which can provide an accurate display on the dashboard.

Oil Pressure Indicator - 10

The oil pressure indicator illuminates when the oil pressure is low. Stop your vehicle safely at once if the indicator is on, and contact your dealer.

EPS Fault Warning Indicator - 11

This indicator will illuminate for shortly when the vehicle is powered on. If the indicator is on and the EPS is not working. Please stop the vehicle and contact your dealer to eliminate the fault. Continuing to operate may lead to permanent damage to the EPS system and increase the turning force.

EFI Fault Indicator - 12

This indicator displays when the ECU detects a fault in the Electronic Fuel Injection system.

OPC Indicator - 13 (If equipped)

When the driver leaves the seat without shifting to the parking position, this indicator will illuminate and an alarm sounds.

Ignition Lock	ON				OFF		
RPM	≤1800			>1800	/	/	/
Parking signal	Parking	No parking		Parking/No parking	No parking	No parking	Parking
Seat signal	Seat on/ Not seat on	Seat on	Not seat on	Seat on/Not seat on	Not seat on	Seat on	Seat on/Not seat on
OPC	OPC	OPC	OPC	OPC	OPC	OPC	OPC
	OPC is silent	OPC is silent	OPC flashes and alarms	OPC is silent	OPC flashes and alarms for 5 minutes, then dashboard goes power off	OPC is silent, dashboard goes power off after 5 minutes	OPC is silent, dashboard goes power off after 5 minutes

Brake Fault Warning Indicator - 14

This indicator displays when the brake fluid level is low. Please replenish the proper amount of DOT 4 brake fluid. Please have your vehicle serviced, if the brake fluid is too low may let the air enter into the brake system, which may cause the brake failure and serious results.

Clock - 15

The current time is displayed here. Switch between 12 hour and 24 hour units through the menu.

Dashboard Indicators and Warnings



Dashboard Indicators and Warnings

16	Gear Display	21	CVT Temperature	26	Fuel Gauge Indicator
17	Drive Mode	22	Battery Voltage	27	Mode Display
18	Coolant Temperature Warning Indicator	23	Speed Limit Indicator	28	Speedometer
19	Apple CarPlay	24	Engine Working Time	29	Engine RPM
20	Connection	25	Odometer		

Gear Display - 16

When gearshifting, the indicator displays low gear (L), high gear (H), neutral (N), reverse (R) or park (P).

Drive Mode - 17

The current drive mode is displayed here

Coolant Temperature Display - 18

This dashboard section displays the current coolant temperature, ‘C’ is low temperature, ‘H’ is high temperature. Both over-low and over-high are abnormal. Idle the vehicle to warm the engine when it’s cold, and park the vehicle when it’s hot to prevent the coolant from boiling. Keep the coolant temperature in a normal range.

Apple Carplay - 19

This system can be connected with the Carplay through the wireless method.

Connection - 20

Here displayed the connected devices information (Telephone, helmet and WIFI)

CVT Temperature - 21

The current CVT Temperature is displayed here.

Voltage Display - 22

The current battery voltage is displayed here.

Speed Limit Indicator - 23

When this function is activated, the indicator will be on. Adjusting the speed limit value with the related switch.

Engine Working Time-24

The total engine working time is displayed here.

Odometer - 25

Displays the total mileage or trip mileage the vehicle has traveled.

Fuel Gauge Indicator - 26

When the fuel remain more approach "  " it indicates the fuel remaining more lower.

Arrange the trip when the fuel remaining approaches limitation, and replenish the fuel in time. Lack of fuel may lead to the fuel pump getting damaged.

Mode Display - 27

Display your selected drive mode. When switching the mode, the instrument interface will change at the same time.

Speedometer - 28

The current vehicle speed is displayed here.
Metric (km/h) and Imperial (mph) units can be switched through the menu.

Engine RPM - 29
The engine RPM is displayed here.

Instrument Menu

Use the menu to adjust related settings on the dashboard and optimize the driving experience.



⚠WARNING
For safety reasons, the function of instrument operation is only allowed when the vehicle is stopped and in a safe condition.

Using the switch menu on the LH handlebar to enter the instrument menu.

Touch the screen ‘More’ on the RH lower corner of the dashboard or the related information displayed at the right side to enter the vehicle basic information interface. On the basic information interface, users can inspect the basic information, riding information and malfunction information.

Basic Information

On the basic information interface, the user can inspect the voltage, coolant temperature, maintenance mileage and other informations.



Mileage Information

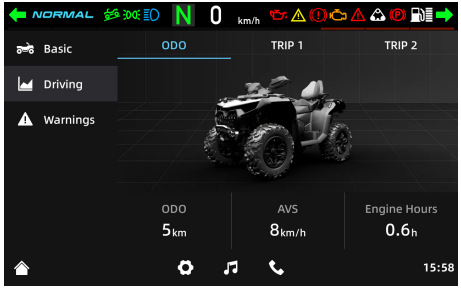
On the mileage information interface, the user can inspect the mileage, ODO, average speed and engine working time.

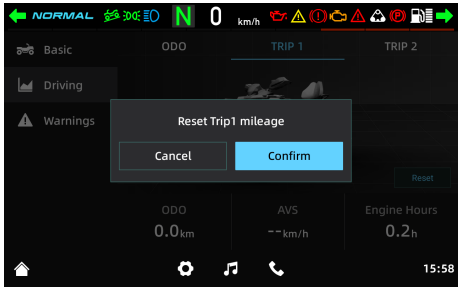
Enter the menu.

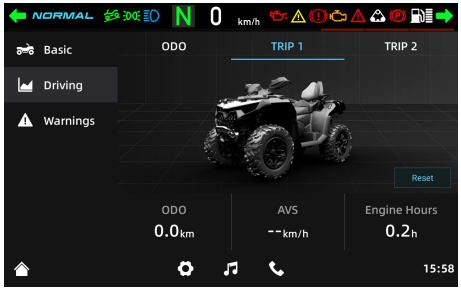
Enter the vehicle information.

Enter the riding information interface.

According to your need to inspect the different trip's information.

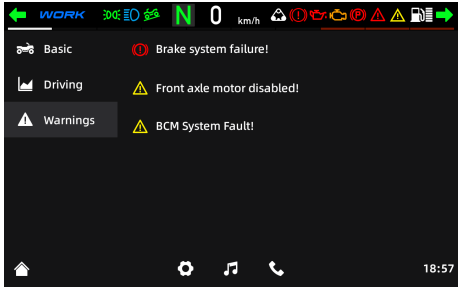






Fault Information

On the Fault Query interface, users can view the fault or fault warning when if the vehicle system detects any fault. If a fault occurs, please contact an authorized CFMOTO service center to diagnose and remove the fault as soon as possible.



Enter the menu.

Enter the vehicle information.

Enter the fault information interface.

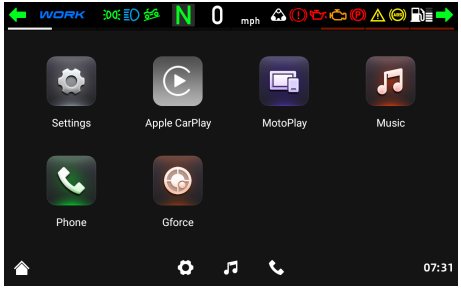
Inspect the current vehicle fault information.

Using the switch button on the LH handlebar to enter the instrument menu.

Click the icon “ ” on the application interface. On the application center interface, users can inspect, adjust and set the following items:

1. Settings
2. Apple Carplay
3. MotoPlay
4. Music
5. Phone
6. G-force

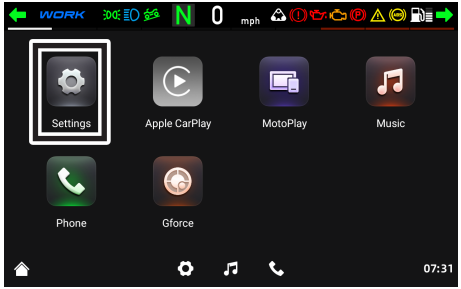




Settings - 1

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

1.1 Vehicle
1.2 Control
1.3 Connect
1.4 Volume
1.5 Display
1.6 System



Click the icon “ ” to enter the application center.

Click the icon “ ” to enter the settings.

Drive Mode - 1.1

The vehicle provides different driving modes, which can be selected according to different road conditions and the driver’s driving ability to obtain different driving experiences and environmental passability.

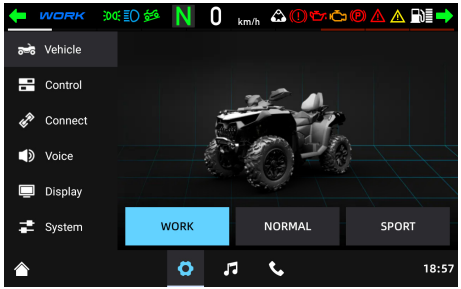
Enter the menu.

Click the icon “ ” to enter the application center interface.

Click “ ” to enter the setting.

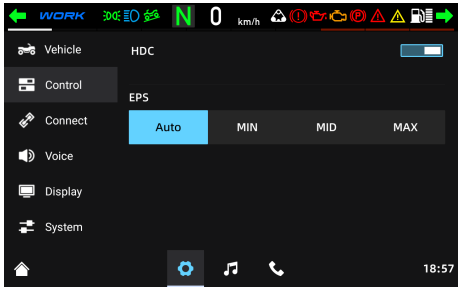
Select the vehicle setting “ ” .

Select your needed driving mode.



Control - 1.2

Using the switch button on the LH handlebar to enter the instrument menu.



Click the icon “ ” to enter the application center.

Click the icon “ ” to enter the setting.

In the control “ " list, riders can adjust and set the following contents:

1.2.1 DAC

1.2.2 EPS Mode

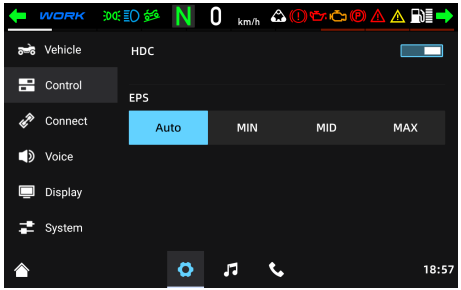
DAC (Downhill Assist Control) -1.2.1

Downhill Assist Control is an advanced vehicle assist feature that specializes in providing precise and intelligent engine braking assistance when descending steep slopes. This feature helps the driver maintain a safe and steady speed while traveling downhill.

⚠ NOTE
Always keep caution with the DAC is turned on, and take appropriate action according to the actual situation to ensure safe driving.

EPS Mode -1.2.2

EPS provides the driver with an additional assisting force to reduce the operating burden on the steering system.



NOTE
The EPS mode is an auxiliary function which does not mean that the vehicle itself has the ability to steer fully automatically. Please select the appropriate EPS mode according to the actual road conditions.

Using the switch button on the LH handlebar to enter the instrument menu.

Click the icon ‘ ’ to enter the application center.

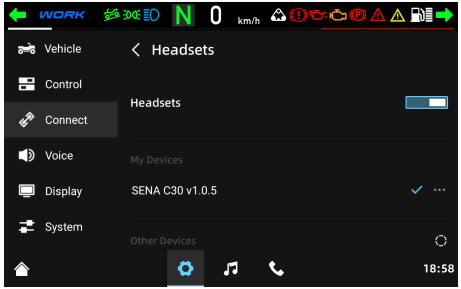
Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ' to select the EPS mode.

Select your needed EPS mode.

Connection - 1.3

Helmet Connection - 1.3.1



Navigation, telephone calls and music functions can be used after the helmet is connected to the vehicle system via Bluetooth.

Follow these steps to connect the equipment:

Ensure that the Bluetooth is turned on before the connection.

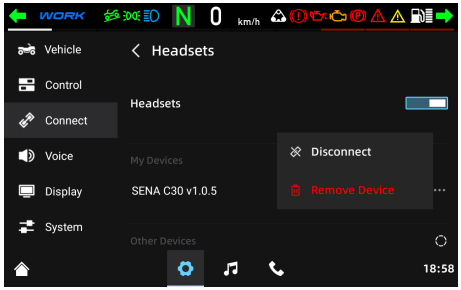
Click the icon ‘  ’ to enter the application center.

Click the icon ‘  ’ to enter Setting.

Click the icon ‘  ', click the ‘helmet Connection’, and click the icon ‘  ' to turn on the switch (This function is turned on by default when the vehicle is powered on each time, and must be turned on manually if turned off manually). The vehicle system will search for available Bluetooth IDs automatically.

Click the desired Bluetooth ID to connect.

“ √ " will displayed behid the conneted equipment.



Disconnection

If the equipment is connected, click the icon ‘ √ ’, and click the “Disconnect/delete equipment” to confirm.

Telephone Connection - 1.3.2

Navigation, telephone calls and music functions can be used after the telephone is connected to the vehicle system via Bluetooth.

Follow these steps to connect the equipment:

Ensure that the Bluetooth is turned on before the connection.

Click the icon ‘  ’ to enter the application center.

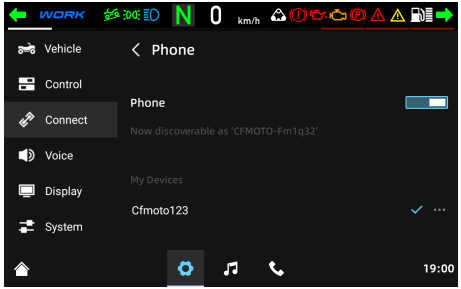
Click the icon ‘  ’ to enter Setting.

Click the icon ‘  ', click the ‘Telephone Connection’, and click the icon ‘  ' to turn on the switch (This function is turned on by default when the vehicle is powered on each time, and must be turned on manually if turned off manually). The vehicle system will search for available Bluetooth IDs automatically.

Click the desired Bluetooth ID to connect.

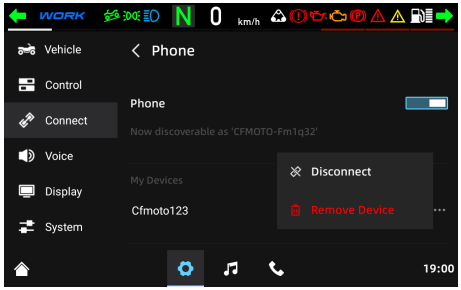
At this time, the instrument screen and your phone will popup a window for pair, click to pair the telephone.

“ √ " will displayed behid the conneted equipment.



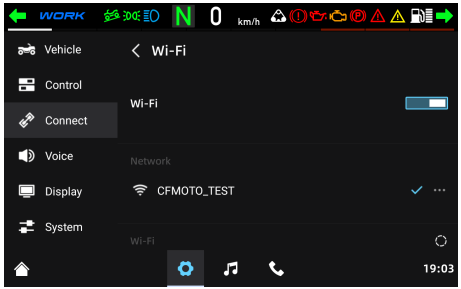
Disconnection

If the equipment is connected, click the icon ‘√’, and click the “Disconnect/delete equipment” to confirm.



Wi-Fi - 1.3.3

The vehicle system can be connected to external Wi-Fi to ensure the upgrade works well.



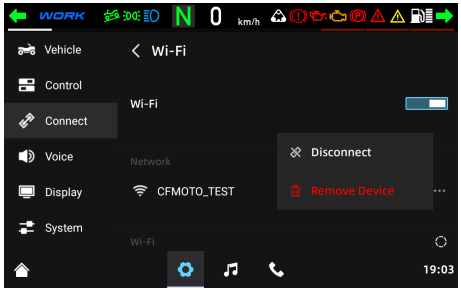
Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ', click the ‘Wi-Fi’, and click the icon ‘ ' to turn on the switch (This function is turned on by default when the vehicle is powered on each time, and must be turned on manually if turned off manually). The vehicle system will search for available external network IDs automatically.

Click the desired external network ID to connect.

“ √ " will displayed behid the conneted equipment.

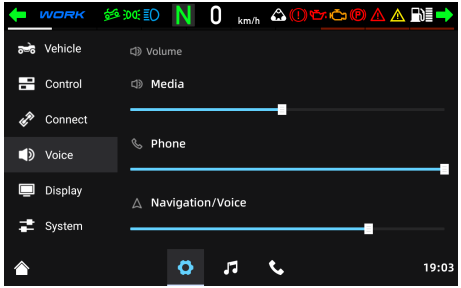


Disconnection

If the equipment is connected, click the icon ‘√’, and click the “Disconnect/delete equipment” to confirm.

Volume - 1.4

In the volume settings, the user can adjust the following contents:



Media volume

Ringtone volume

Navigation/Voice volume

Ringtone volume

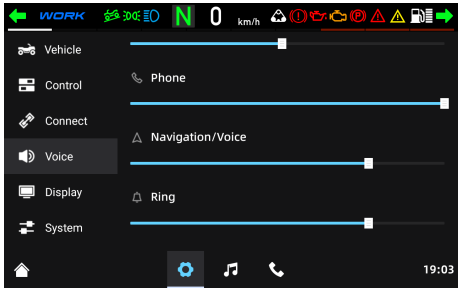
Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the volume adjustment interface.

Select the desired volume.

Select the desired volume.



Press the volume adjustment column to the right, the volume will increased.

Press the volume adjustment column to the left, the volume will increased.

In some situations, the user can adjust the volume through the knob on the function switch (see knob operation table on the function switch for details).

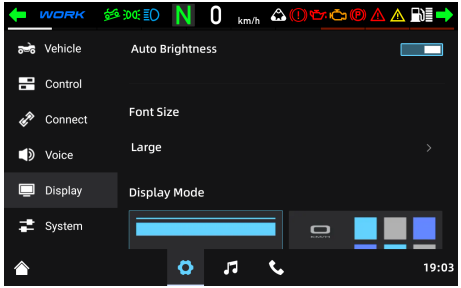
Display - 1.5

In the display settings, the user can adjust the following contents:
Brightness Control

Font Size

Dashboard Mode

Menu Layout

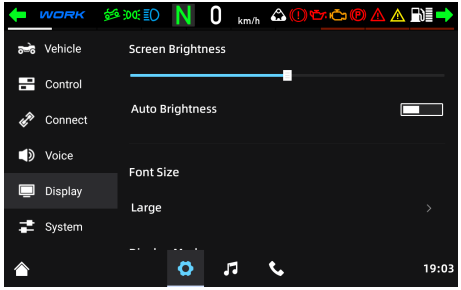


Brightness Control Adjustment -1.51

Manually adjust the brightness of the instrument, or turn on the automatic adjustment function (When the automatic adjustment is turned on, a photosensor adjusts the brightness of dashboard automatically according to the external environment light)

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

Press the brightness adjustment column to the right, the brightness is increased.
Press the brightness adjustment column to the left, the brightness is decreased.



Font Size-1.5.2

Select your needed font size.

Dashboard Mode-1.5.3

Select your needed dashboard pattern, pattern 1 or pattern 2.

Menu Layout - 1.5.4

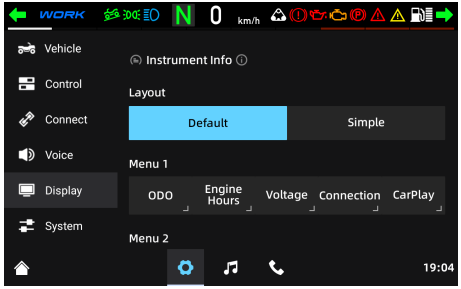
Click the icon ‘  ’ to enter the application center.

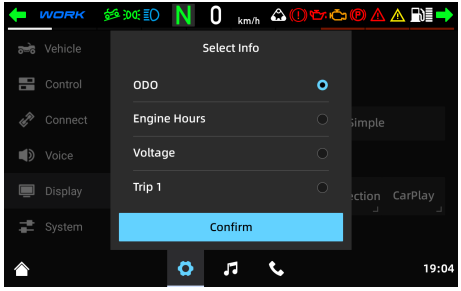
Click the icon ‘  ’ to enter Setting.

Click the icon ‘  ’ to enter the Display adjustment interface.

Select your needed layout pattern: Settings enter the default or simple option.

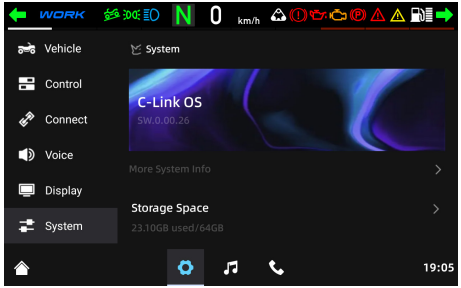
Turn off the default layout, manually setting the menu 1/menu 2, select your needed menu pattern.





System - 1.6

In the system list, users can adjust the following content:



1.6.1 System Information
1.6.2 Storage Information
1.6.3 System Update
1.6.4 Reset All
1.6.5 Time
1.6.6 Language
1.6.7 Unit

Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the system interface.

1.6.1 System Information

On the general system information setting list:

Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the system interface.

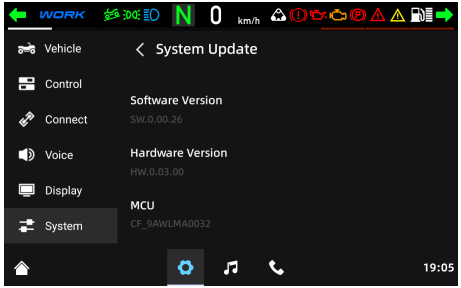
Click ‘More’ to enter the system information interface.

Users can view the following contents:

Software version

Hardware version

MCU version



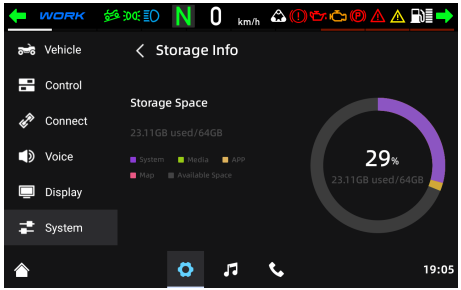
1.6.2 Storage Space

Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter Setting.

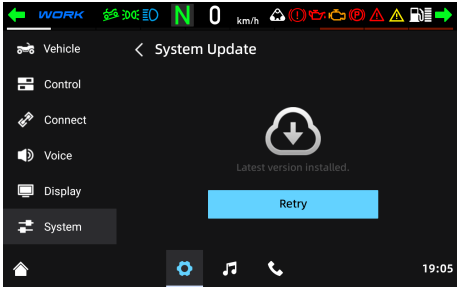
Click the icon ‘ ’ to enter the system interface.

Click the “Storage Info”, users can view the used/available space.



1.6.3 System Update

System Update is used to update and upgrade the operating system to help users upgrade the operating system to the latest version, which can improve system performance and security.

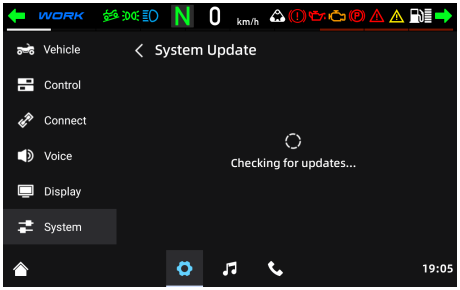


Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the system interface.

Open the system update list to download and update the latest version.



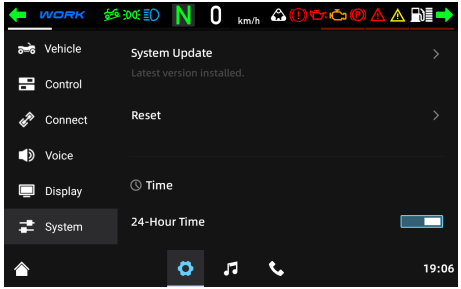
1.6.4 Reset All

Click the icon ‘ ’ to enter the application center.

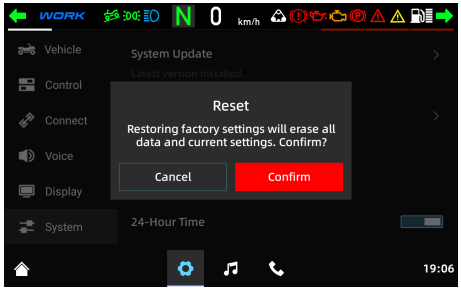
Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the system interface.

Click 'Reset All', then click Confirm to reset to the factory setting state.



NOTE
This function does not reset ODO or related functions.



1.6.5 Time

Adjust the time displayed on the main interface.

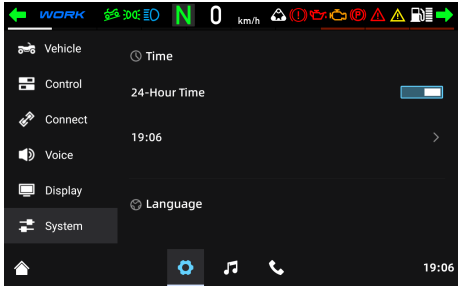
Click the icon ‘ ’ to enter the application center.

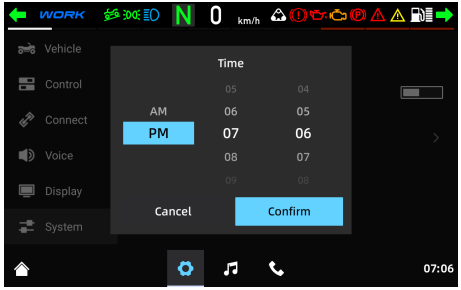
Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the system interface.

Select the time format (12 hour/24 hour)

Adjust the time value or time format.





1.6.6 Language

Adjust the instrument's language to suit your preference.

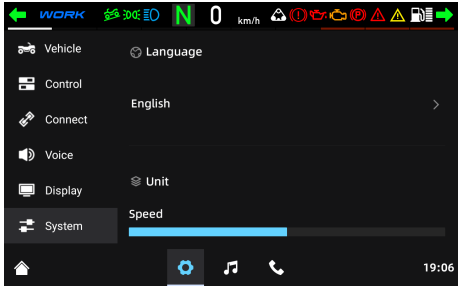
Click the icon ‘ ’ to enter the application center.

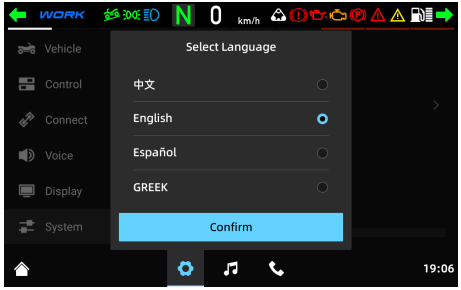
Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the system interface.

Open the language list.

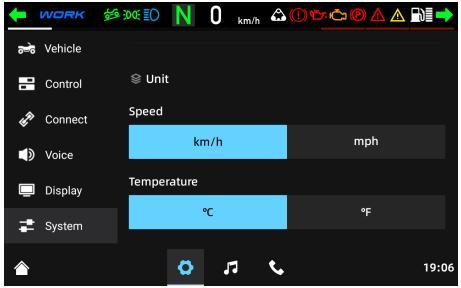
Select your needed language.





1.6.7 Unit

Change units of the speed and temperature to suit your reading habits.



Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ’ to enter the system interface.

Enter the unit format list.

Switch the unit format.

Speed: (km/h / mph)

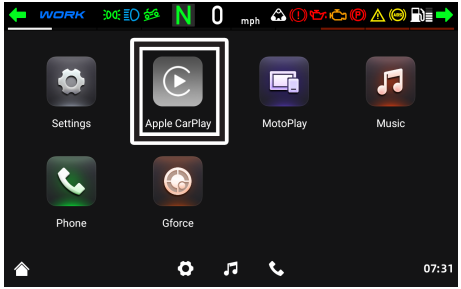
Temperature: (℃ / ℉)

Apple Carplay-2 Phone Connection

CarPlay phone connection can be access by wireless connection.

Connect the device as follows:

Make sure that the Bluetooth of the phone that needs to be connected is turned on.



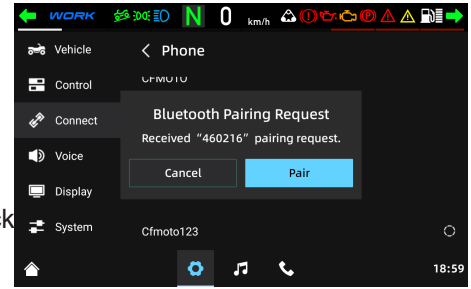
Click the icon ‘ ’ to enter the application center.

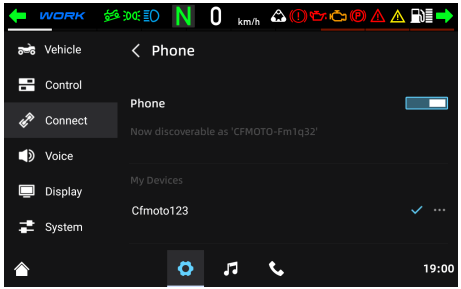
Click the icon ‘ ’ to enter Setting.

Click the icon ‘ ', click the ‘Telephone Connection’, and click the icon ‘ ' to turn on the switch (This function is turned on by default when the vehicle is powered on each time, and must be turned on manually if turned off manually). The vehicle system will search for available.

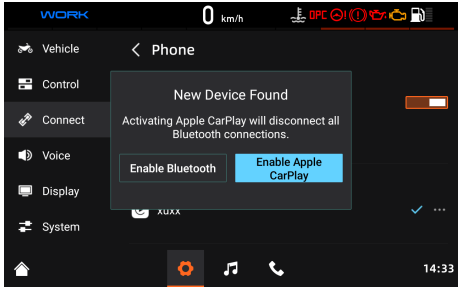
Bluetooth IDs automatically. Click the desired Bluetooth ID to connect.

At this time, the instrument screen and your phone will popup a window for pair, click to pair the telephone.





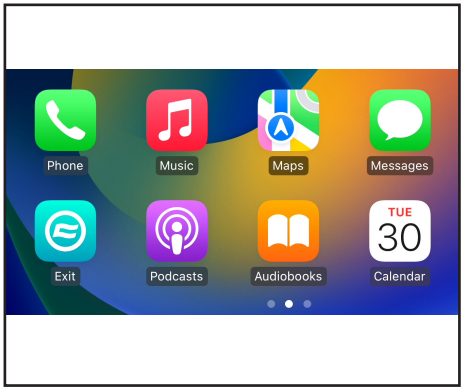
After pairing, the instrument screen will pop up “Enable Bluetooth” and “Enable Apple Carplay”, click “Enable Apple Carplay”.



Enter the Apple Carplay interface, and the icon “ ” will turn green after a successful connection.

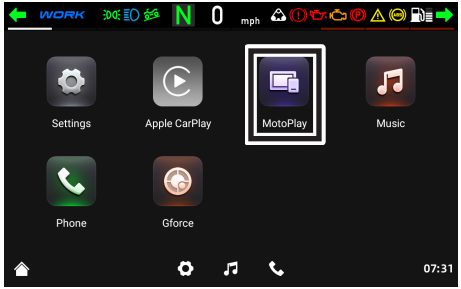
Disconnection

After the successful connection, click the “Exit” icon to disconnect and then return to the setting interface.



MotoPlay - 3

Through the vehicle and telephone interconnection, realize the projected screen navigation function.



Mobile End:

Open the CFMOTO APP, click the MotoPlay to automatically connected or via the QR code in the map to connect it.

Instrument End:

Click the icon ‘ ’ to enter the application center.

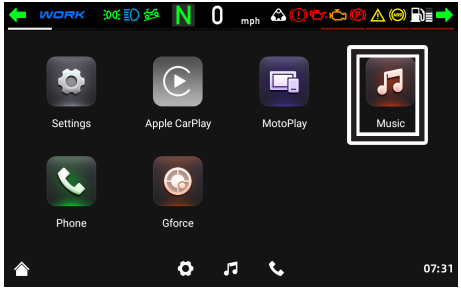
Click the icon ‘ ’ to enter MotoPlay.

Perform screen projection and navigation functions



Bluetooth Music - 4

On the music interface, the user can play music in their phone via Bluetooth, and switch the song and other functions via the switch.



NOTE: Before playing music, ensure that the cellphone is connected to the vehicle system via Bluetooth.

Turn on the cellphone music app.

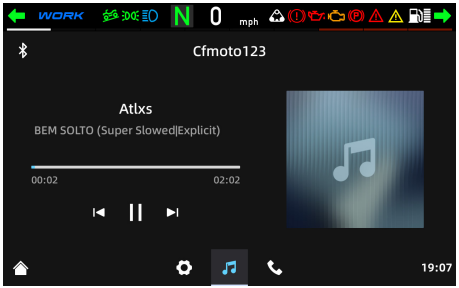
Click the icon ‘ ’ to enter the application center.

Click the icon ‘ ’ to enter the Bluetooth music interface to play song.

: Click this icon or operate the function knob to switch to the prior song.

: Click this icon or operate the function knob to switch the next song.

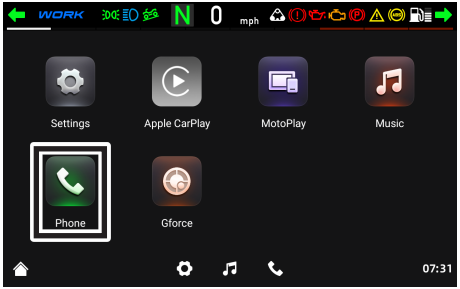
/ : Click this icon or operate the function knob to play/ pause the music.



Bluetooth Telephone - 5

On the telephone interface, the user can check contacts, recent calls, contact record, and dial the number.

NOTE: Before using the telephone, the equipment must be correctly connected, the telephone, helmet with vehicle system via Bluetooth.

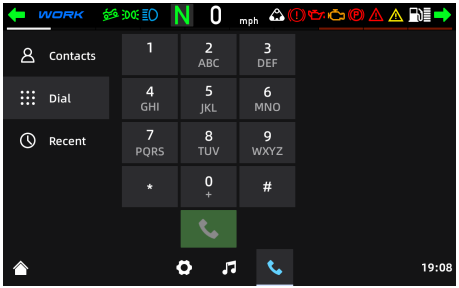


Click the icon “ ” to enter the application center.

Click the icon “ ” to enter the Bluetooth telephone interface.

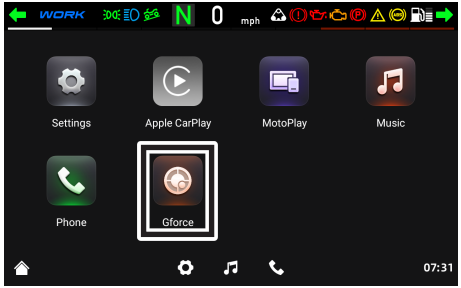
Enter the telephone interface to check the contacts and contact record.

⚠DANGER
Do not use the telephone functions during riding.
During riding, Bluetooth headsets or in-car phone systems may distract attention and slow reaction.
Please park safely before answering an incoming call.



G-force - 6

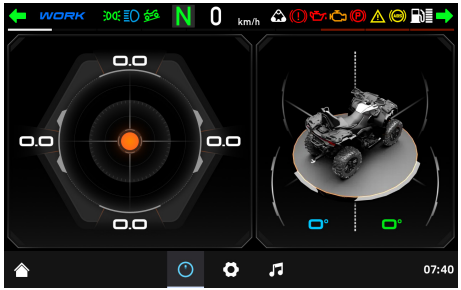
Users can inspect vehicle attitude and switch the theme on the G-force interface.



Click the icon “ ” to enter the application center.

Click the icon “ ” to enter the G-force.

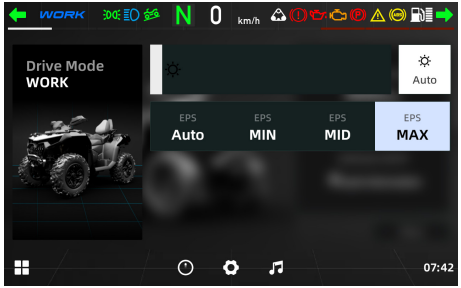
Click the vehicle attitude to inspect the real-time vehicle attitude.



Hi Board

Turn on/off the auxiliary functions.

When this function is turned on, users can pull down the page to set related settings on the main screen.



Operation of your ATV

Break-In Period

The break-in period for your new ATV is very important. Careful treatment of a new engine will result in more efficient performance and longer life for the engine. Perform the following procedures carefully.

1. Select an open area that allows room to familiarize yourself with vehicle operation and handling.
2. Place the ATV on a level surface.
3. Fill the fuel tank with gasoline.
4. Check the engine oil level. Add the recommended oil if necessary to maintain the oil level between the minimum and maximum indicators on the dipstick.
5. Position yourself in the operating position on the vehicle and start the engine. Allow the engine to idle for a short period before operating.
6. Press the foot brake, select the desired gear, and then release the foot brake.
7. Apply throttle. Drive slowly at first, varying throttle positions not more than ½ throttle for 10 hours or 100 miles, then another 10 hours or 100 miles of not more than ¾ throttle (whichever interval arrives first). Do not operate at sustained idle or sustained wide open throttle.
8. Do not pull or carry any loads during the break-in period.
9. At the end of the break-in period, change the oil and filter (20hrs or 200 miles/320km).

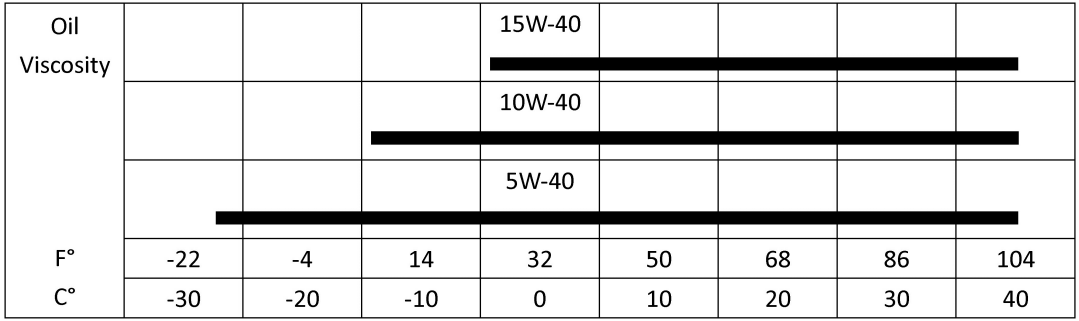
Brake Break-In Period

⚠CAUTION
During the break-in period, the brake system pads and discs require wear-in and may not have reached optimal performance. When pads and discs are new, avoid following other vehicles too closely or operating situations that require emergency stopping, to avoid an accident.

⚠CAUTION
To avoid engine damage during the break-in period: • Do not load or tow cargo. • Do not operate at sustained full throttle. Damage to engine parts or decreased engine life may result if excessive wide open throttle is used during the break-in period. • Do not run engine with throttle over 1/2 open during the first 10 hours or 100 miles/160km of use. • Do not run engine with throttle over 3/4 open during the next 10 hours or 100 miles/160km of use.

Recommended Engine Oil Viscosity

Use of any oil other than those recommended may cause serious engine damage. CFMOTO recommends the use of 10W-40 for 2-cylinder 4-stroke engines. Changing engine oil viscosity to 5W-40 or 15W-40 due to cold or hot environments is acceptable. Reference the chart below for ambient temperature and viscosity choice.



OPERATION OF YOUR ATV

Pre-Ride Inspection

Before each use of the vehicle, a best practice is to check the vehicle according to the “Perform daily before operating the vehicle” checklist in maintenance sheet.

⚠WARNING
If a proper inspection is not done before each use, severe damage to the vehicle, severe injury, or death could result. Always inspect the vehicle before each use to ensure it is in proper operating condition.

Throttle

Before operating the engine, inspect the throttle and ensure its flexibility. Make sure the vehicle can return to the idle position after releasing the throttle. Adjust the speed through the throttle position. When releasing the throttle, the vehicle will slow down immediately and the engine will back to the idle state.

Brake

Before operating the vehicle, press down the brake pedal to operate the front and rear brakes. The brake pedal should feel firm when pressed down. Grip the front brake lever to operate it, and the brake lever should feel firm when tightly gripped. Any sponginess would indicate a possible fluid leak or low master cylinder fluid level, which must be corrected before riding. Contact your dealer for proper diagnosis and repairs.

OPERATION OF YOUR ATV

Starting the Engine

Starting a Cold Engine

⚠WARNING
Engine exhaust contains poisonous carbon monoxide and can cause loss of consciousness resulting in severe injury or death. Never run an engine in an enclosed area.

⚠CAUTION
Operating the vehicle immediately after starting could cause engine damage. Allow the engine to warm up for several minutes before operating the vehicle. If the vehicle can not be started immediately, do not activate the starting system continuously. Failure to start the ignition system multiple times may cause the starting motor to burn out.

Starting a Cold Engine

1. Verify the gear selector is shifted to the Parking or Neutral position.
2. Apply the foot brake.
3. Turn the main key switch to position “ON”. The vehicle is powered on.
4. Wait until the instrument self-inspection is finished, then press down the engine starting switch. The engine starts.
5. Once the engine starts, allow the engine to warm for a short period before operating the vehicle.

NOTE:

Do not activate the starting system more than 10 seconds on each attempt. If the engine fails to start, release the start switch, pause a few seconds before the next attempt, then push the start switch again. Each attempt should be as short as possible to preserve battery energy.

⚠CAUTION
Operating the vehicle immediately after starting could cause engine damage. Allow the engine to warm up for a short period before operating the vehicle.

NOTE:

The engine can be started in any gear if the brake is applied. However, a best practice is to shift into Neutral or Park before starting the engine. If the neutral indicator light on the dashboard does not come on when the gear selector is in neutral position, ask your dealer to inspect the vehicle electrical circuit or adjust the gear shifting system.

⚠WARNING
Excessive throttle operation while in speed limit mode may cause fuel to build in the exhaust, resulting in engine popping and/or engine damage.

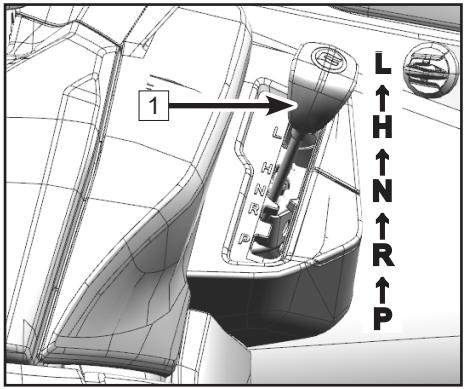
Gear Selector Operation

Shifting

⚠CAUTION
To avoid transmission damage, return the throttle to the closed position, stop the vehicle, and apply the foot brake before shifting.

NOTE:

Low gear is the preferred transmission gear selection for all forward motion other than prolonged high speed travel.



1:Gear selector

Shifting out of Park

1. Verify the throttle is closed.
2. Apply the foot brake.
3. Shift to the desired gear by moving the gear selector along the shift guide.

Shifting: Neutral to High Gear

1. Verify the throttle is closed and the vehicle is stopped completely.
2. Apply the foot brake.
3. Shift to ‘H’ by moving the gear selector along the shift guide.

Shifting: High Gear to Low Gear

1. Verify the throttle is closed and the vehicle is stopped completely.
2. Apply the foot brake.
3. Shift to ‘L’ by moving the gear selector along the shift guide.

Shifting: Low Gear to High Gear

1. Verify the throttle is closed and the vehicle is stopped completely.
2. Apply the foot brake.
3. Shift to ‘H’ by moving the gear selector along the shift guide.

Shifting: to Reverse Gear

1. Verify the throttle is closed and the vehicle is stopped completely.
2. Apply the foot brake.
3. Shift to ‘R’ by moving the gear selector along the shift guide.
4. Check behind you for people or obstacles, then release the foot brake pedal.
5. Apply the throttle lever gradually and continue to watch behind you while moving backward.

⚠WARNING
When you shift into reverse, make sure there are no obstacles or people, and the area is safe behind you. When it is safe to proceed, go slowly.

Shifting into Park

1. Verify the throttle is closed and the vehicle is stopped completely.
2. Apply the foot brake.
3. Shift to ‘P’ by moving the gear selector along the shift guide.

NOTE:

The gear selector must not be shifted into reverse gear without applying the foot brake.

The gear shift indicators should display corresponding to the actual gear position, if the indicator does not display, ask your dealer to inspect the vehicle electrical circuit or adjust the gear shifting system.

Due to the synchronizing mechanism in the engine, an indicator may not display until the ATV starts moving.

Do not use high gear for continuous slow speed travel or towing, as this can lead to excessive heating of the clutch system, which may damage components.

Hauling and Towing Cargo

Your vehicle is equipped with front and rear cargo racks, and a hitch receiver for towing. Follow these guidelines for hauling and towing of cargo:

⚠WARNING
Overloading the vehicle, carrying or towing cargo improperly, can alter the vehicle handling and may cause loss of control or braking instability.

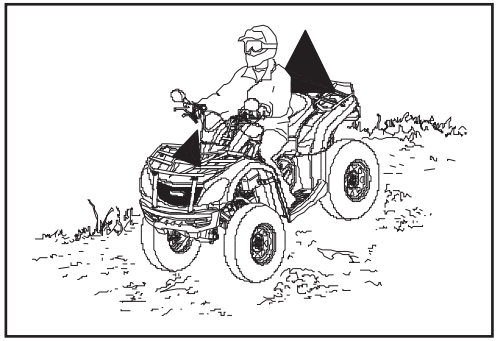
- Always use low gear while towing to avoid clutch wear and belt issues.
- Reduce speed when hauling or towing loads.
- Never exceed the stated load capacity for this vehicle.
- All loads must be secured before operation. Unsecured loads may shift and create unstable operating conditions, which could result in loss of control of the vehicle.
- When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions.
- Use extreme caution when applying brakes with a loaded vehicle. Avoid terrain or situations that may require backing downhill.
- Weight distribution on the front and rear racks should be as far forward and as low as possible. Carrying a high load raises the center of gravity and creates an unstable operating condition. Reduce load weight when the cargo center of gravity is high. When handling off-centered loads that cannot be centered, secure the load and operate with extra caution.

- When operating with loads extending beyond the rack. Stability and maneuverability may be adversely affected, causing the machine to overturn.
- Carrying a load on only the front rack or the rear rack may cause an imbalanced condition and increases the possibility of vehicle overturn. Balance loads proportionally between the front rack and the rear rack, but do not exceed the stated load capacity.
- Do not obstruct the headlights when loading the front rack.
- Always attach to the towable using the hitch point. Never exceed the recommended tongue weight.
- Using chains, straps, rope or other materials to tow objects is not recommended, as these items could get caught in the rear wheels, resulting in vehicle damage or personal injury.
- While towing, the vehicle should never exceed 10 mph (16 km/h) towing a load on a level surface. Vehicle speed should never exceed 5 mph (8 km/h) when towing loads in rough terrain, while cornering, or while ascending or descending a hill.

Load Distribution

Your ATV has been designed to carry or tow a certain amount of load. Always:

- Read and understand the load distribution warnings listed on the warning labels.
- Never exceed the specified weights.
- Cargo weight should be mounted as low as possible.
- Cargo should be loaded on the racks as far forward as possible.
- When operating over rough or hilly terrain, reduce speed and cargo to maintain stable driving conditions.



OPERATION OF YOUR ATV

Driving Safely

Responsibilities of the operator

As the operator of this ATV, your common sense, judgement, and abilities are the only factors that will prevent injury to yourself, to others around you, and/or damage to the vehicle or environment.

Recreational, group, and distance riding

One of the benefits of this vehicle is that it can take you off-road away from most communities. Stay away from areas designated for other types of off-road use unless it is specifically allowed. This includes snowmobile trails, equestrian trails, cross country ski trails, mountain bike trails, etc. Join a local ATV club. A club can provide you with a map and advice, or inform you about areas where you can ride.

Always keep a safe distance from other riders ahead of you and behind you when riding in a group. Never operate carelessly or make unexpected maneuvers with other ATVs close by. Stay on designated trails and riding areas, and discourage others from operating in unauthorized locations.

Environment

Off-road ATV recreation is a privilege. Maintain your privilege by respecting the environment and the rights of others to enjoy it. Chasing wildlife is illegal. Wildlife can die of exhaustion if chased by a motorized vehicle. Never purposely damage the terrain unless the operating area is designated for that type of activity. Observe the rule…"what you take in, carry out". Do not litter.

OPERATION OF YOUR ATV

Practice!

The driving procedures described in this manual should be practiced at slow speed many times in a large area with no obstacles. If an incorrect technique is used, your ATV may continue to go straight. If the ATV does not turn, come to a stop and then practice the procedure again. If the riding surface is slippery or loose, it may help to transfer more of your weight to the front wheels by moving forward on the seat. Once you have learned the proper techniques, you should be able to perform maneuvers at higher speeds or in tighter curves.

Improper driving procedures such as abrupt throttle changes, excessive braking, incorrect body movements, or too much speed for the sharpness of the turn may cause the ATV to tip. If the ATV begins to tip over to the outside while negotiating a turn, lean more to the inside. It may also be necessary to gradually let off on the throttle and steer to the outside of the turn to avoid tipping over.

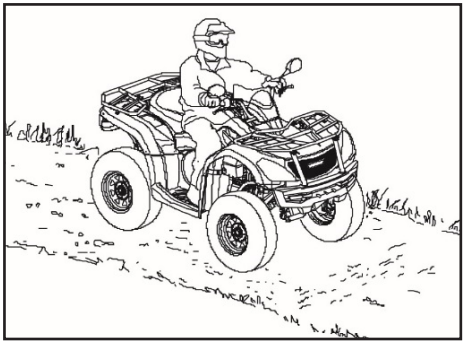
Remember: Avoid higher speeds until you are thoroughly familiar with the operation of your ATV.

NOTE:

Low gear is the preferred transmission gear selection for all forward motion other than prolonged high speed travel. Do not use high gear for continuous slow speed travel or towing, as this can lead to excessive heating of the clutch system, which may damage components.

OPERATION OF YOUR ATV

Driving Procedure



1. Sit upright with both feet on the footrests and both hands on the handlebars.
2. Start the engine and allow it to warm up. Apply the foot brake, then shift the transmission into low gear.
3. Check your surroundings and determine your path of travel.
4. Release the brakes.
5. Slowly press the throttle with your right thumb and begin driving. Vehicle speed is controlled by the amount of throttle opening.
6. Drive slowly. Practice maneuvering while using the throttle and brakes on a level surface.

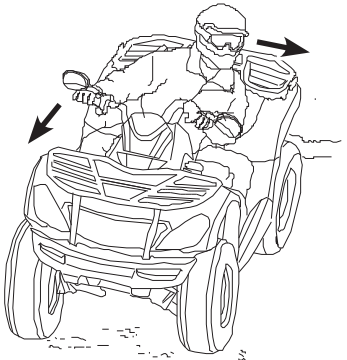
Making Turns

To make a turn, steer in the direction of the turn, leaning your upper body to the inside of the turn while supporting your weight on the outer footrest. This technique alters the balance of traction between the wheels, allowing turn to be made smoothly. The same leaning technique should be used for turning in reverse.

NOTE:

Practice making turns at slow speeds before attempting to turn at faster speeds.

⚠WARNING
Turning at sharp angles or at excessive speeds can result in vehicle overturn and lead to serious injury.
Avoid turning at sharp angles.
Never make turns at high speeds.



OPERATION OF YOUR ATV

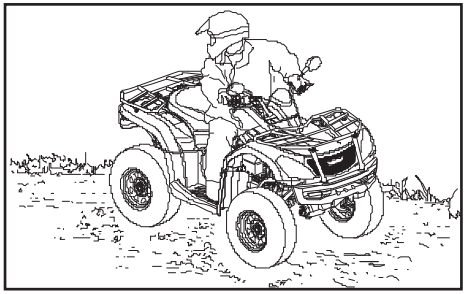
ATV Turning Dynamics

To achieve maximum traction while operating in 2WD or 4WD, the two rear wheels perform as one axle and turn together at the same speed. Furthermore, when operating in 4WD / F-LOCK mode, the front wheels will also turn together at the same speed. Therefore, unless the wheel on the inside of the turn is allowed to slip or lose some traction, the ATV will resist turning. The special turning technique described in this manual must be used to allow the ATV to make turns quickly and easily. It is essential that this skill be learned first at low speed.

Turning On Curves

As you approach a curve, slow down and begin to turn the handlebars in the desired direction. As you do so, put your weight on the footboard to the outside of the turn (opposite the desired direction) and lean your upper body into the turn. Use the throttle to maintain an even speed through the turn. This maneuver will let the wheel on the inside of the turn slip slightly, allowing the ATV to maneuver the turn properly.

Driving In Reverse



To operate in reverse:

1. Ensure the throttle is closed and the vehicle is stopped completely.
2. Apply the foot brake, then shift the transmission into reverse gear.
3. Check for obstacles or people behind the vehicle.
4. When it's safe to proceed, release the brakes, slowly press the throttle with your right thumb, and back slowly. Vehicle speed is controlled by the amount of throttle opening.

NOTE:

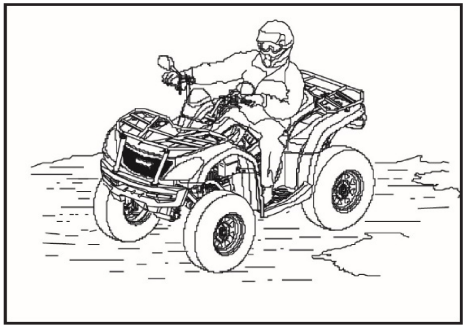
Your ATV is equipped with a reverse speed limiter. The override button cannot be used. Do not operate at wide open throttle. Open the throttle just enough to maintain a desired speed.

Follow these precautions when operating in reverse:

- Always avoid backing downhill.
- Back slowly.
- When in reverse, apply the brakes lightly for stopping.
- Avoid turning at sharp angles in reverse.
- Never open the throttle suddenly while backing.

⚠**WARNING**
Failure to use caution when operating in reverse can result in serious injury or death.

Driving On Slippery Surfaces



Whenever riding on slippery surfaces such as wet trails, loose gravel, sand, or during freezing weather, follow these precautions:

- Slow down when entering slippery areas.
- Maintain a high level of alertness, reading the trail and avoiding quick, sharp turns which can cause skids.
- Correct a skid by turning the handlebars in the direction of the skid and shifting your body weight forward.
- Driving with 4WD engaged can assist in controlling the vehicle in slippery areas.

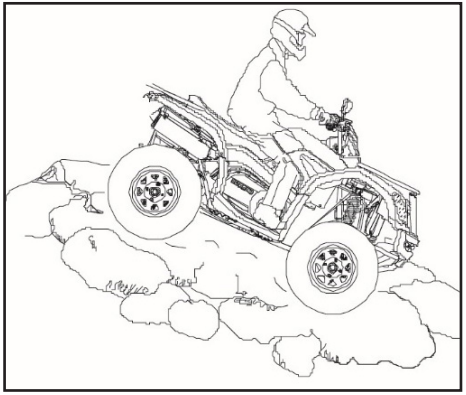
⚠CAUTION
Severe damage to drive train may occur if the 4WD is engaged while the wheels are spinning. Always engage 4WD when the wheels have traction or are at rest.

⚠WARNING
Failure to exercise care when operating on slippery surfaces can result in loss of tire traction and cause loss of control, an accident, and serious injury or death. Never apply the brakes during a skid. Do not operate on excessively slippery surfaces. Always reduce speed and use additional caution.

Driving On Rough Terrain

Whenever driving on rough surfaces such as trails with large rocks or other obstacles, follow these precautions:

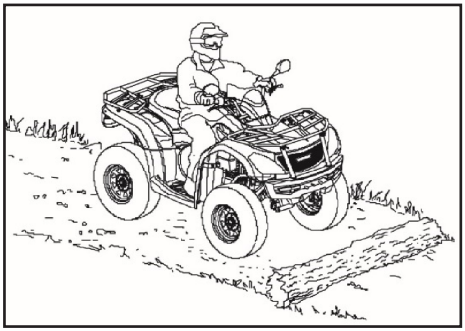
- Slow down when encountering rough terrain.
- Maintain a high level of alertness, reading the trail in front of you as you drive. Avoid quick, sharp turns which can cause a loss of control.
- Shift your body weight to counteract the weight of the vehicle if it tips to one side.
- Driving with 4WD or 4WD / F-LOCK engaged can assist in controlling the vehicle.



Driving Over Obstacles

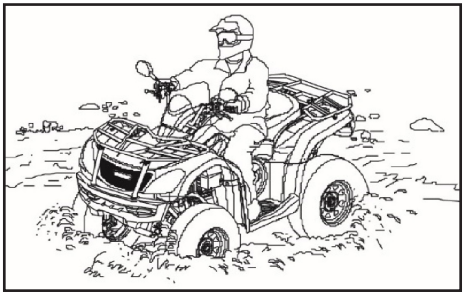
Be alert! Learn to look ahead and to read the terrain as you drive. Be constantly alert for hazards such as logs, rocks, and low hanging branches.

Never attempt to cross over an obstacle higher than the ground clearance of the vehicle.



⚠WARNING
Severe injury or death can result if your vehicle comes in contact with obstacles. Travel with caution on unfamiliar terrain.

Driving Through Water



Your ATV can operate through water with a maximum recommended depth equal to the bottom of the footrests. Follow these procedures when operating through water:

- Determine water depths and current before crossing.
- Choose a crossing where both banks have gradual inclines.
- Proceed slowly, avoiding rocks and obstacles if possible.
- After crossing, dry the brakes by applying light pressure to the lever until braking action is normal.

⚠WARNING
Avoid operating the vehicle through deep or fast-flowing water. If you cannot avoid water that exceeds the recommended maximum depth, go slowly, balance your weight carefully, avoid sudden movements, and maintain a slow and steady forward motion. Do not make sudden turns or stops, and do not make sudden throttle changes.

NOTE:

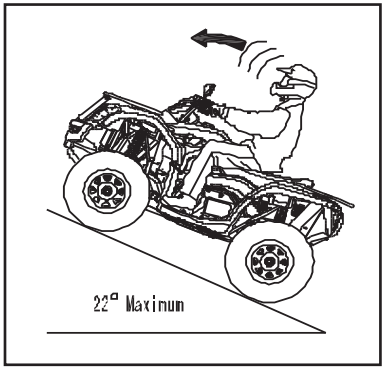
After running the vehicle in water, it is critical to have the vehicle serviced as outlined in the maintenance schedule. The following areas need special attention: engine oil, front and rear gear cases and all grease locations. If your vehicle becomes immersed, and it's impossible to take it to your dealer before starting it, follow the steps described in this manual to remove water from the air box and engine.

⚠CAUTION
Major engine damage can result if the vehicle is not thoroughly inspected after operation in water. If water has been ingested into the CVT housing, follow the procedure in the maintenance section this manual for drying out the CVT clutch system. Have the vehicle serviced by your dealer promptly if your vehicle becomes immersed or stalls in water that exceeds the footrest level. It is important to contact your dealer for service before starting the engine, as water may have been ingested in the air box and engine.

Driving Uphill

Whenever traveling uphill, follow these precautions:

- Always travel straight uphill.
- Never operate on hills over 22° degrees incline or hills too steep for your abilities.
- Keep both feet on the footrests.
- Shift your weight forward.
- Proceed at a steady rate of speed and throttle opening.
- Remain alert and be prepared to take emergency action. This may include quick dismounting of the vehicle.



If all forward speed is lost:

Keep your weight uphill and release the throttle.

Apply the front brake. When fully stopped, apply the foot brake and shift the gear selector to the parking position.

If the ATV begins rolling backwards:

Keep your weight uphill. Never apply engine power. Never apply the foot brake while rolling backwards.

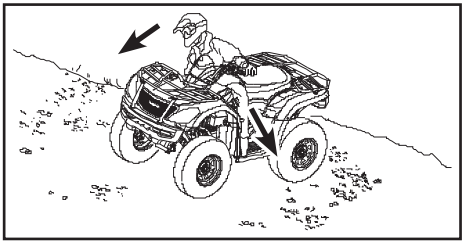
Apply the front brake. When fully stopped, apply the foot brake, and then shift gear selector into the parking position.

Dismount on uphill side, or to either side if ATV is pointed straight uphill. Turn the ATV around and remount following the K-turn procedure described in this manual.

⚠WARNING
Braking and handling are greatly affected when operating in hilly terrain. Improper procedure could cause loss of control or overturn and result in serious injury or death.
Avoid climbing steep hills (22° maximum).
Use extreme caution when operating on hills, and follow proper operating procedures outlined in the owner's manual.

Sidehilling

⚠WARNING
Improperly crossing hills or turning on hills can result in loss of control or vehicle overturn, resulting in severe injury or death. Avoid crossing the side of a hill when possible. Follow the proper procedures as outlined in the owner's manual.



Sidehilling can be a dangerous type of driving and should be avoided if at all possible. If you do enter into a situation where sidehilling is necessary, follow these precautions:

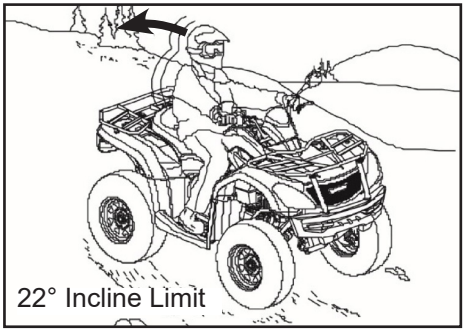
- Slow down.
- Lean into the hill, transferring your upper body weight toward the hill while keeping your feet on the footrests.
- Steer slightly into the hill to maintain vehicle direction.

⚠CAUTION
If the vehicle begins to tip, quickly turn the front wheels downhill if possible, or dismount on the uphill side immediately.

Driving downhill

When traveling down a hill, follow these precautions:

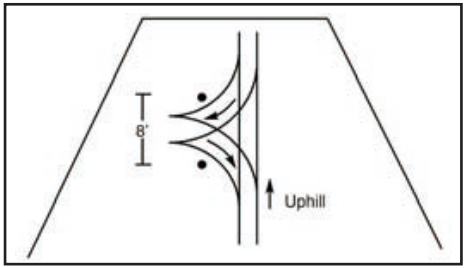
- Never operate on hills over 22 degrees incline or hills too steep for your abilities.
- Slow down.
- Shift your weight to the rear of the vehicle.
- Always travel directly downhill.
- Apply the brakes lightly to aid in slowing. Familiarize yourself with operation of the braking functions during downhill descents.
- Driving with 4WD or 4WD-LOCK engaged can assist in controlling the vehicle.



⚠WARNING
Excessive downhill speed can cause loss of control and lead to serious injury or death. Always reduce speed when traveling downhill.

Turning Around on a Hill

One maneuver that can be used when it's necessary to turn around if stranded while climbing a hill is the K-turn:

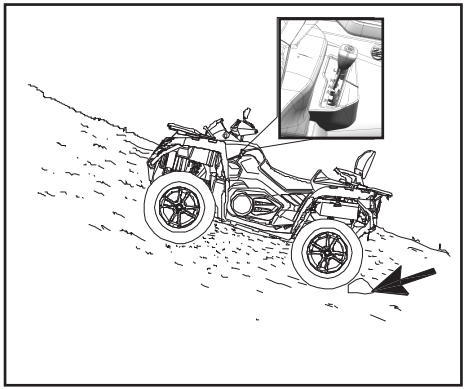


1. Release the throttle, then apply the hand and foot brake while keeping your body weight uphill.
2. Shift the gear selector lever to the low gear position. Shut off the engine.
3. Keeping the hand brake applied, dismount on the right side of the vehicle if the vehicle is pointed straight uphill.

NOTE: Always dismount on the uphill side when the vehicle is pointed in a direction other than uphill.

4. Keeping the hand brake applied, move uphill (in front) of the vehicle, and pull on the right handle bar to turn the steering full left (front brake will now be closest to you).
5. Slowly release the hand brake lever, and use it to control the descent of the vehicle, which will roll downhill and to your right (as viewed from the vehicle front) until it's pointing across the hill or slightly downward. The vehicle's rolling weight is neutralized. and vehicle remount is now possible.
6. Remount the vehicle from the uphill side and shift the gear selector lever to the parking position, keeping your body weight uphill. Keep the hand brake or foot brake applied at all times if possible.
7. Restart the engine. Press the foot brake, and shift the gear selector lever to low gear position.
8. Release the brakes and proceed slowly downhill, controlling speed with the brakes, until the vehicle is on more level ground.

Parking on an Incline



Avoid parking on an incline if possible. If it's unavoidable, follow these precautions:

- Turn the engine off.
- Place the gear selector to parking position.
- Always block the rear wheels on the downhill side as shown.

⚠CAUTION
If parked on an incline, drivetrain rotating forces may cause difficult transmission shifting out of park. Rocking the vehicle forward or backward while shifting will help avoid component damage.

Crossing paved surfaces

Your ATV is not designed for paved surfaces and is more likely to tip over. Do not travel on sidewalks or bicycle lanes, as they are not designated for ATV use. If you must drive on a paved surface, reduce speed and avoid sudden turns, acceleration, or braking. If you have to cross a paved road, ensure you have complete visibility in both directions for oncoming traffic, and determine your exit point on the other side. Drive in a straight line toward that point. Do not make sharp direction changes or abrupt accelerations, as it may result in a tip over situation.

Maintenance

Following the maintenance schedule in your owner's manual will help keep your vehicle in the safest, most reliable condition. Inspection, adjustment, and lubrication of important components are explained in the maintenance schedules.

Inspect, clean, lubricate, adjust, and replace parts as necessary. When inspection reveals the need for replacement parts, please use genuine parts available from your dealer.

Severe Use Definition

CFMOTO defines severe vehicle use as:

- Frequent immersion in mud, water or sand
- Racing or race-style high RPM use
- Prolonged low speed, heavy load operation
- Extended engine idle
- Short trip, cold weather operation
- Vehicles used in commercial operations

For vehicles that are subjected to severe use, reduce all maintenance and service intervals by 50%.

NOTE:
Periodic service and adjustments are critical. If you are not familiar with performing safe service and adjustment procedures, have a qualified dealer perform the required maintenance for you.

NOTE:

Pay special attention to the engine oil level during cold weather operation. A rise in engine oil level can indicate contaminants collecting in the oil sump or crankcase. Change oil immediately if the oil level begins to rise. Monitor the oil level, and if it continues to rise, discontinue use and determine the cause, or see your dealer.

Periodic Maintenance Schedule / Icon Key

Maintenance intervals in the following schedules are based upon average riding conditions and an average operating speed of approximately 12.4 mph (20 km/h). Vehicles subjected to severe or commercial use must be inspected and serviced more frequently.

The following icon keys are used to note special circumstances:

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.

■ = Have an authorized dealer perform repairs that involve this component or system.

● = Emissions related components. Have an authorized dealer perform repairs that involve this component or system.

⚠WARNING
Procedures marked as '■' means if repair is required, have an authorized dealer perform repairs that involve this component or system. Improperly performing the procedure could result in component failure and lead to serious injury or death.

MAINTENANCE

KEY POINTS OF LUBRICATION SCHEDULE:

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

- Change lubricants more often under severe use, such as wet or dusty conditions.
- Use All Season Grease on pivot points.
- Lubricate every 500 miles (800 km), before long periods of storage, after pressure washing, or after submerging drive system.

Item	Lubricant	Method
Engine oil	SAE 10W-40 SAE 5W-40 / SAE 15W-40	Unscrew, clean, insert and pull out dipstick to check oil level
Transmission oil	SAE75W-90 GL-5	Unscrew, clean, insert and pull out dipstick to check oil level
Brake fluid	DOT4	Keep level between upper and lower lines
Front gear case oil	SAE80W-90 GL-5	Oil capacity: 8.5 oz. (250 ml)
Rear gear case oil	SAE80W-90 GL-5	Oil capacity: 13.5 oz. (400 ml)
Suspension pivots and drive train	All Season Grease	Grease gun - Pump grease until it begins to flow from the pivot point

MAINTENANCE

Pre-Ride Maintenance Checklist

Perform these inspections before operating the vehicle:

Item		Maintenance before operation			
		Hour	Calendar	Miles (km)	Remarks
■	Steering system	-	Pre-Ride	-	Visually inspect, test, or check components. Make adjustments and/ or schedule repairs when required.
■	Throttle return	-	Pre-Ride	-	
	Front suspension and axles	-	Pre-Ride	-	
	Rear suspension and axles	-	Pre-Ride	-	
	Tires	-	Pre-Ride	-	
	Brake fluid level	-	Pre-Ride	-	
	Brake lever / foot brake function	-	Pre-Ride	-	
	Brake system function	-	Pre-Ride	-	
	Wheels / fasteners	-	Pre-Ride	-	
	Engine oil level	-	Pre-Ride	-	
►	Air filter / Air box and connections	-	Pre-Ride	-	Visually inspect. Replace filter when dirty.

► = Severe Use Item. Inspect frequently on vehicles subjected to severe use.

■ = Have an authorized dealer perform repairs that involve this component or system.

● = Emissions related components. Have an authorized dealer perform repairs that involve this component or system.

Item		Maintenance before operation			
		Hour	Calendar	Miles (km)	Remarks
►	Air box sediment tube	-	Pre-Ride	-	Inspect. If deposits are visible, clean intake tubes, air box, and replace air filter.
►	CVT sediment tube	-	Pre-Ride	-	Inspect. If deposits are visible, drain / clean the CVT or have it serviced by a dealer.
■	Headlight aim / General lighting and turn indicators (if equipped)	-	Pre-Ride	-	Inspect. Adjust or replace lights when necessary.
►	Radiator	-	Pre-Ride	-	Inspect for mud or debris blocking airflow. Clean surfaces when necessary.

► = Severe Use Item. Inspect frequently on vehicles subjected to severe use

■ = Have an authorized dealer perform repairs that involve this component or system.

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Break-In Maintenance Checklist

Perform these maintenance items when the vehicle break-in is completed:

Item		Break-in Maintenance (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
	General lubrication	20	-	200 (320)	Lubricate all grease points, pivots, cables, etc.
	Engine oil / oil filter / oil strainer	20	-	200 (320)	Change oil and filter. Clean oil strainer.
►	Engine air filter	20	-	200 (320)	Inspect. replace if dirty. do not clean
■	Engine valve clearance	20	-	200 (320)	Check and adjust as necessary.
	Front / Rear gear case oil	20	-	200 (320)	Check level. Inspect for leaks.
	Coolant	20	-	200 (320)	Check level. Inspect for leaks.
►	Brake pads	20	-	200 (320)	Inspect pad thickness.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
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MAINTENANCE

Item		Break-in Maintenance (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
	Battery	20	-	200 (320)	Check terminals, clean, test battery condition if required.
■	Idle condition	20	-	200 (320)	Inspect for proper rpm. See dealer for service if out of spec or erratic.
■	Steering / Wheel Alignment	20	-	200 (320)	Inspect steering system. See dealer for service if wheel alignment is required.
►	Foot brake / Hand brake	20	-	200 (320)	Inspect function. Adjust as necessary.
	Gear cases, CV shafts, Propshafts	20	-	200 (320)	Inspect for leaks.
	Engine hoses, gaskets and seals	20	-	200 (320)	Inspect for leaks.

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■ = Have an authorized dealer perform repairs that involve this component or system.
● = Emissions related components. Have an authorized dealer perform repairs that involve this component or system.

MAINTENANCE

Periodic Maintenance Schedule

Perform these maintenance items when the vehicle break-in is completed:

Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
►	Brake pads	10	Monthly	100 (160)	Inspect pad thickness.
	Battery	100	12M	1000 (1600)	Check terminals. Clean and test battery condition as necessary.
	Engine hoses, gaskets and seals	20	-	200 (320)	Inspect for leaks.
►	Air filter	50h	--	500 (800)	Always inspect pre-ride. Inspect frequently if subjected to severe use. Replace if dirty. Do not clean.
►	CVT air intake filter screen / filter	50h	-	500 (800)	Clean filter screen or filter, replace with new one if necessary.
►	General lubrication	50h	3M	500 (800)	Lubricate all fittings, pivots, cables, etc.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.
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MAINTENANCE

Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
►	Front gear case oil	100h	12M	1000 (1600)	Inspect level. Change yearly if hours or distance interval is not met.
►	Rear gear case oil	100h	12M	1000 (1600)	Inspect level. Change yearly if hours or distance interval is not met..
►	Engine oil / oil filter / oil strainer	100h	12M	1000 (1600)	Inspect for color change. Change if dirty and clean strainer. Change yearly if hours or distance interval is not met.
	Transmission oil	100h	12M	2000 (3200)	Inspect level.Change yearly if hours or distance interval is not met.
	Cooling system	50h	6M	500 (800)	Test coolant strength. Pressure test system yearly.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
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Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
►	Radiator	50h	6M	500 (800)	Inspect. clean external surfaces. Clean more frequently if subjected to severe use.
■	Steering system	50h	6M	500 (800)	Inspect. Lubricate.
►	Front suspension	50h	6M	500 (800)	Lubricate. Check fasteners.
►	Rear suspension	50h	6M	500 (800)	Lubricate. Check fasteners.
►	Gear shift	50h	1M	500 (800)	Inspect, lubricate, adjust as necessary.
► ■	Throttle body / throttle cable	50h	6M	500 (800)	Inspect. Clean carbon deposits. Inspect cable and lubricate frequently if subjected to severe use.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
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Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
► ■	CVT drive belt	100h	12M	1000 (1600)	Inspect. Replace as necessary. See dealer for service.
■	CVT drive and driven pulleys	100h	12M	1000 (1600)	Clean and Inspect pulleys. Replace worn parts. See dealer for service.
	Fuel filter and hoses	100h	24M	2000 (3200)	Inspect routing and condition. Replace filter and high-pressure hoses every 4 years.
	Cooling hoses	100h	--	1000 (1600)	Inspect routing and condition.
►	Valve clearance	100h	--	2000 (3200)	Inspect and adjust as necessary. See dealer for service.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
■ = Have an authorized dealer perform repairs that involve this component or system.
● = Emissions related components. Have an authorized dealer perform repairs that involve this component or system.

MAINTENANCE

Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
●	Fuel system	100h	12M	500 (800)	Inspect fuel tank, cap, fuel pump and fuel pump relay.
	Spark plug	100h	24M	2000 (3200)	Inspect. Replace if worn or fouled.
■	Engine mounts	100h	12M	1500 (2400)	Inspect condition.
	Exhaust pipe and spark arrestor	100h	12M	500 (800)	Inspect. Clean spark arrestor.
	Exhaust pipe hanger	100h	12M	1000 (1600)	Inspect condition.
►	Wiring, fuses, connectors, relays, and cables	100h	12M	1000 (1600)	Inspect wire routing for wear, security. Apply dielectric grease as necessary to connectors subjected to water, mud, etc.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.

■ = Have an authorized dealer perform repairs that involve this component or system.

● = Emissions related components. Have an authorized dealer perform repairs that involve this component or system.

Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
► ■	Wheel bearings	100h	12M	1500 (2400)	Inspect for noise or looseness. Replace as necessary.
►	Safety Belts (if equipped)	100h	12M	2000 (3200)	Visually inspect belts and test latches. Clean latch mechanism more often if used in severe conditions.
►	Transmission oil	200h	12M	2000 (3200)	Inspect level. Change yearly if hours or distance interval is not met.
	Coolant	200h	24M	4000 (6400)	Change coolant every 2 years if hours or distance interval is not met.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.

■ = Have an authorized dealer perform repairs that involve this component or system.

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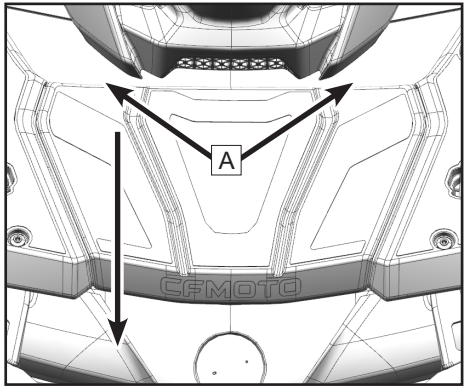
Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
►	Brake fluid	200h	24M	1000 (1600)	Inspect fluid for color change. Change fluid every two years.
	Idle condition	--	12M	--	Inspect for proper rpm. See dealer for service if out of spec or erratic.
■	Steering / Wheel Alignment	--	12M	--	Inspect steering system. See dealer for service whenever steering parts or wheel alignment are required.
►	Foot brake height	--	12M	--	Inspect. Replace brake pads or adjust height as required.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.

■ = Have an authorized dealer perform repairs that involve this component or system.

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Front Access Cover



A service cover is provided on the front rack of the vehicle for access to the radiator, coolant reservoir, fuse/relay box, and diagnostic port.

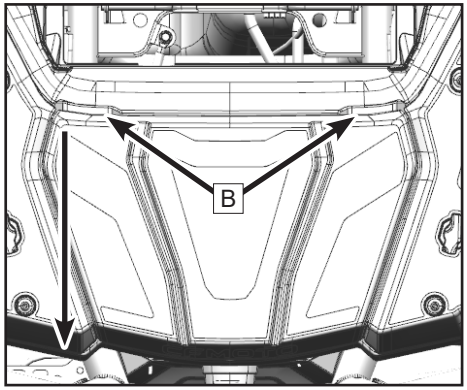
Removal:

1. Lift the rear part A of service cover until the grommets release, then pull it forward and remove the cover.

Installation:

1. Slide the tabs of service cover under the rack.
2. Press the rear pins A of the service cover into the grommets.

Rear Access Cover



A service cover is provided on the rear rack of the vehicle for access to the battery.

Removal:

1. Lift the rear part B of service cover until the grommets release, then it pull forward and remove the cover.

Installation:

1. Slide the tabs of service cover under the rack.
2. Press the rear pins B of the service cover into the grommets.

Air Filter Housing Deco Cover - LH / RH

LH deco cover removal allows access to air filter for maintenance. RH deco cover removal allows access to the air filter housing and other components.

Pre-work:

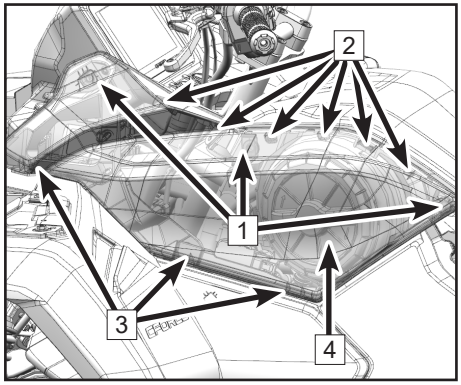
Remove the front and rear seat assemblies.

Removal:

1. Pull outward to release the rubber grommets [1] and buckles [2], then pull up at the LH cover lower buckles [3].

2. Remove the LH cover [4] to access the air filter housing cover.

NOTE: LH cover shown. RH is the same method to remove.



Front Inner Fenders - LH / RH

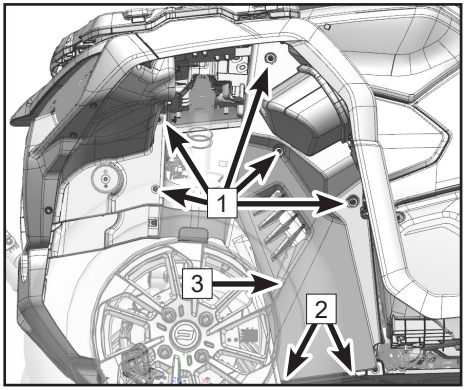
Removal:

1. Remove the bolts [1]

2. Remove the LH corner buckle [2]

3. Remove the LH front inner fender [3].

NOTE: LH inner fender shown. RH is the same method to remove.



LH Engine Covers

LH engine cover removal allows access to the CVT cover and engine for maintenance.

Pre-work:

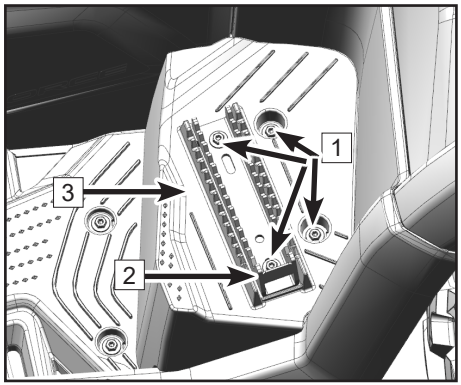
Remove the LH air filter housing deco cover.

Removal:

Remove the bolts [1] .

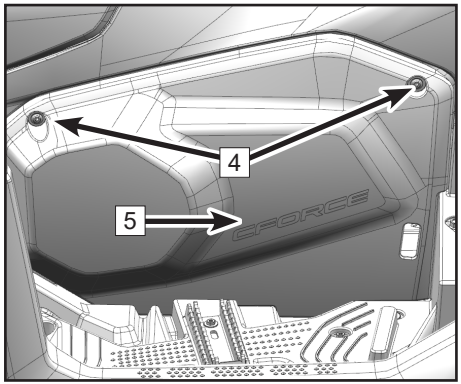
Lift up the anti-slip foot grip [2] to release the base of the LH foot pedal block from the rubber grommets.

Remove the LH foot pedal block assembly [3] .



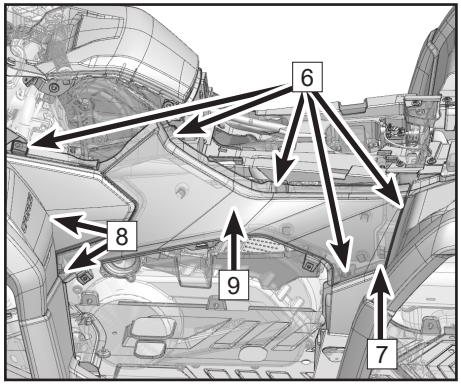
Remove the bolts [4] .

Remove the engine LH cover [5] outwardly (Upper & rear side part of body left side).



Pull outward to release the rubber grommets [6] and buckles [7] .

Pull back to release the buckles [8] and LH cover assembly [9] .



RH Engine Covers

RH engine cover removal allows access to the engine for maintenance.

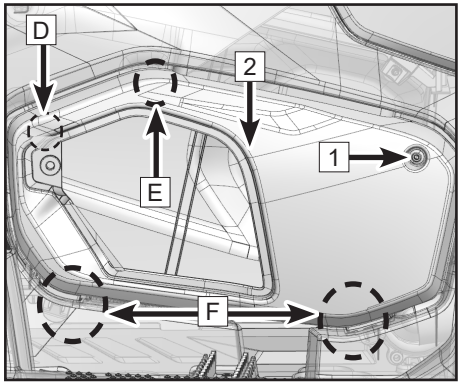
Pre-work:

Remove the RH air filter housing deco cover.

Removal

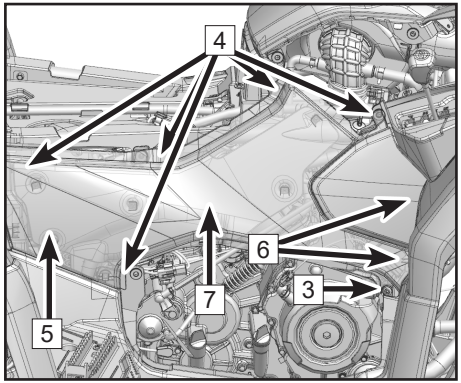
Remove bolt [1]

Pull outward to release the upper grommets [D] and buckle [E]. Pull up to release buckles [F] and remove the RH engine cover [2].



Remove bolt [3]

Pull outward to relase the grommets [4] and buckle [5] , then pull back to remove the buckles [6] and remove the RH cover assembly [7] .



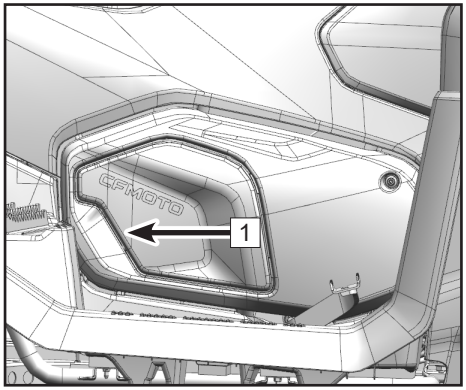
Maintenance Procedures

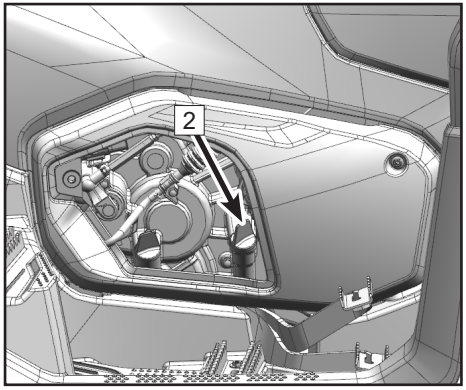
Engine Oil

Inspect Engine Oil Level

1. Place the vehicle on a level surface and park.
2. Start the engine and idle for 30 seconds, then stop the engine..
3. Wait for 2~3 minutes to allow the engine oil level to settle.
4. Grab the lower left corner of service cover 1 and pull outward to release the grommet pin, the pull back to release the tabs.
5. Remove the dipstick 2 and wipe it clean.
6. Insert the oil dipstick into its hole, but do not install it.
7. Remove the oil dipstick and verify the oil level is between upper and lower level marks. Adjust the oil level if necessary.
8. Insert the oil dipstick and tighten it sufficiently.

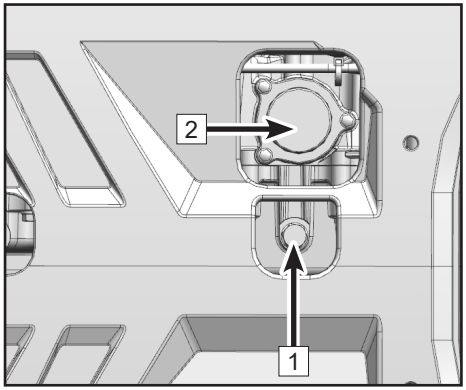
NOTE: Service cover grommets may come loose. Ensure they are in place before reinstalling the cover.

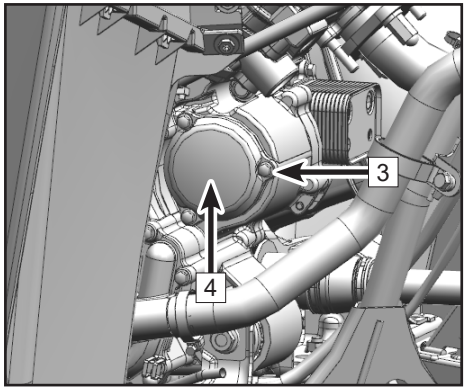




Engine Oil Change

1. Place the vehicle on a level surface and park.
2. Remove the four RH inner fender panel screws and remove the panel (oil filter cover access).
3. Start the engine and idle for 2~3 minutes to warm the oil, then stop the engine.
4. Place a container under the engine to collect the used oil.
5. Remove the oil dipstick and wipe it clean.
6. Remove the crankcase magnetic drain bolt and gasket [1] to drain out the oil.
7. Remove three bolts, then take out the oil strainer plate, seal ring and oil strainer assembly [2] . Clean and reinstall the assembly.
8. Confirm the crakcase engine oil is drained completely.
9. Remove oil filter cover bolts [3] .
10. Remove oil filter cover [4] and oil filter element [5] .
11. Inspect O-ring [6] , and ensure it is in good condition. Replace with a new one if damaged.
12. Install the O-ring [6] into the oil filter cover, and apply a layer of fresh engine oil for lubricating.
13. Install a new oil filter element [5] .





14. Install the oil filter cover (4), then install and tighten the cover bolts to the specified torque.

Oil Filter and Strainer Cover Bolt Torque: 7.3 ft-lb. (10 N•m)

15. Clean the magnetic drain bolt [1] of debris and dirt. Replace the washer with a new one if it is damaged severely.
16. Install the magnetic drain bolt and washer. Tighten the bolt to the specified torque.

Drain Bolt Torque: 18.4 ft-lb. (25 N•m)

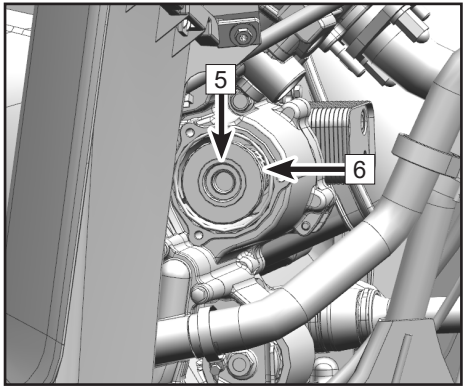
17. Add recommended oil in the dipstick hole [A] to the specified level.
18. Use the dipstick to verify oil level is between the upper and lower limits, and adjust the oil amount accordingly.

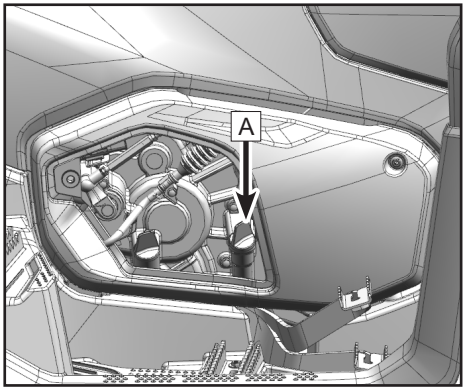
NOTE: Too much or too little oil will affect the normal operation of engine, please ensure that the oil is correct.

19. Install and tighten the dipstick.
20. Confirm that the vehicle is still in park, then start and idle for 30 seconds and check for leaks.
21. Check whether the engine has oil leaks after turning off. If you find an oil leak, please contact your dealer.

⚠WARNING
When changing oil, the vehicle must be turned off and kept in park to prevent accidents and injury.

22. Dispose the used oil and filter properly.



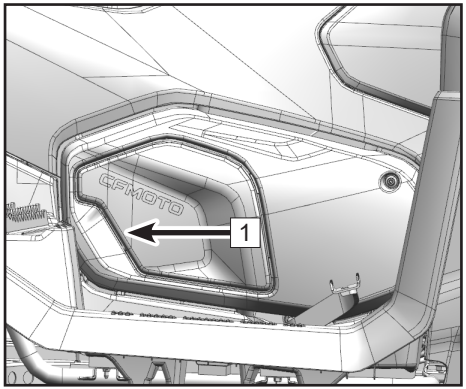


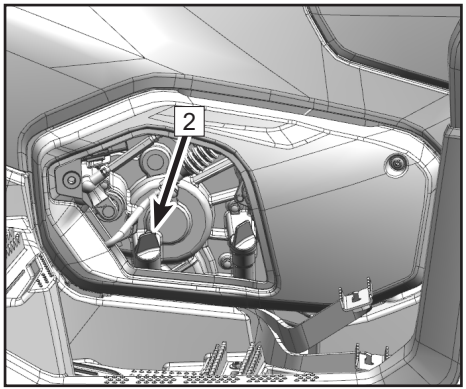
Transmission Oil

Inspect Transmission Oil Level

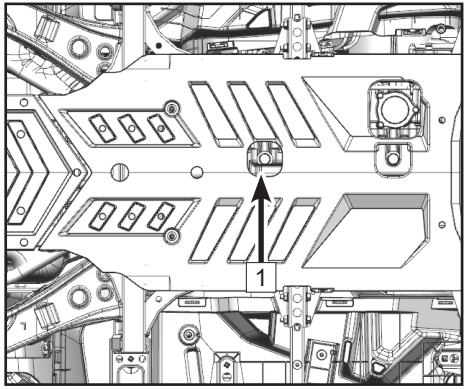
1. Place the vehicle on a level surface and park.
2. Start the engine and idle for 30 seconds, then stop the engine..
3. Wait for 2~3 minutes to allow the transmission oil level to settle.
4. Grab the lower left corner of service cover 1 and remove it.
5. Remove the dipstick 2 and wipe it clean.
6. Insert the oil dipstick into its hole, but do not install it.
7. Remove the oil dipstick and verify the oil level is between upper and lower level marks. Adjust the oil level if necessary.
8. Insert the oil dipstick and tighten it sufficiently.

NOTE: Service cover grommets may come loose. Ensure they are in place before reinstalling the cover.





Transmission Oil Change



1. Place the vehicle on a level surface and park.
2. Start the engine and idle for 2~3 minutes to warm the oil, then stop the engine.
3. Place a container under engine to collect the used oil.
4. Remove the oil dipstick and wipe it clean.
5. Remove the gearcase magnetic drain bolt and gasket [1] to drain the oil.
6. Comfirm the transmission oil is drained completely.
7. Install and tighten the drain bolt to the specified torque.
8. Clean the magnetic drain bolt [1] of debris and dirt. Replace the washer with a new one if it is damaged severely.
9. Install the magnetic drain bolt and washer. Tighten the bolt to the specified torque.

Drain Bolt Torque: 18.4 ft-lb. (25 N•m)

10. Add recommended oil in the dipstick hole [B] to the specified level.

11. Use the dipstick to verify oil level is between the upper and lower limits, and adjust the oil amount accordingly.

NOTE: Too much or too little oil will affect the normal operation of engine, please ensure that the oil is correct.

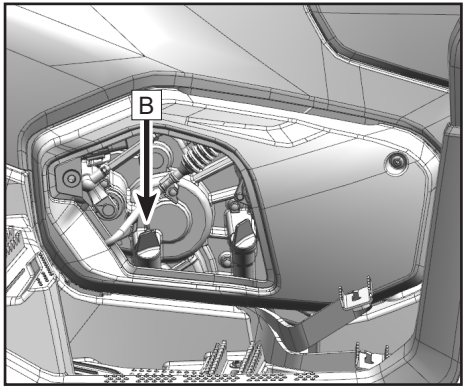
12. Install and tighten the dipstick.

13. Confirm that the vehicle is still in park, then start and idle for 30 seconds and check for leaks.

14. Check whether the engine has oil leaks after turning off. If you find an oil leak, please contact your dealer.

⚠WARNING
When changing oil, the vehicle must be turned off and kept in park to prevent accidents and injury.

15. Dispose the used oil properly.



Engine Valve train Adjustment

The intake and exhaust valve clearances change with use of the vehicle, which can result in improper fuel/air supply or engine noise. To prevent this, the valve clearances must be adjusted according to the maintenance schedule. This adjustment should be performed by a professional service technician. Contact your dealer for service.

NOTE:

Intake Valve Clearance (cold engine): 0.002 ~ 0.006 in. (0.06 ~ 0.14 mm)

Exhaust Valve Clearance (cold engine): 0.004 ~ 0.007 in. (0.11 ~ 0.19 mm)

Engine Idle Speed

This vehicle is equipped with an electronic fuel injection system. There are no consumer provisions to adjust engine idle speed. The throttle body is a vital part of the fuel system which requires very sophisticated adjustment, and was set at the factory. If the settings are disturbed, poor engine performance and damage may result. Check engine idle speed for stability and contact your dealer for service if necessary. Contact your dealer in case of an abnormal engine idle condition.

NOTE:

Engine Idle Speed: 1300 +/- 130 Rpm (engine at operating temperature)

Front and Rear Gear Case Oil

Before each ride, check whether the front and rear gear cases are leaking oil. If an oil leak is found, contact an authorized dealer to inspect and repair the vehicle.

Rear Gear Case Oil Level

Due to the design of the gear case, the oil level cannot be observed from the filling port.

Drain the oil and add the specified capacity of oil into the gear case.

Replace the Rear Gear Case Oil

1. Place the vehicle on a level surface.
2. Place a container under the rear gear case to collect the used oil.
3. Remove the filling bolt [1] and the drain bolt [2] at the bottom of the rear gear case and drain the oil.
4. Install the drain bolt and tighten it to the specified torque.

Drain Bolt Torque: 18.4 ft-lb. (25 N•m)

5. Add oil.

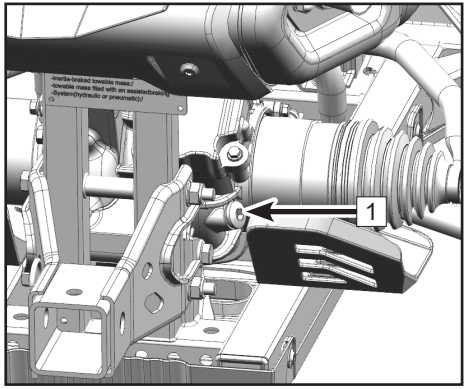
Oil Capacity: 13.5 oz. (400 ml)

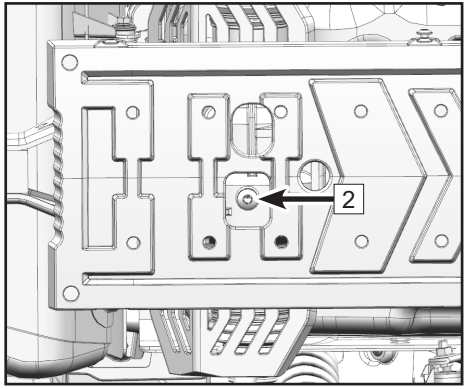
6. Install the filling bolt and tighten it to the specified torque.

Drain Bolt Torque: 18.4 ft-lb. (25 N•m)

7. Check for oil leaks at the rear gear case. If an oil leak is found, check for the cause or contact an authorized dealer.

⚠CAUTION
Prevent foreign objects from falling into the gear case when adding oil.





Front Gear Case Oil Level

Due to the design of the gear case, the oil level cannot be observed from the filling port.

Drain the oil and add the specified capacity of oil into the gear case.

Replace the Front Gear Case Oil

1. Place the vehicle on a level surface.
2. Place a container under the front gear case to collect the used oil.
3. Remove the filling bolt [1] and the drain bolt [2] at the bottom of the front gear case and drain the oil.
4. Install the drain bolt and tighten it to the specified torque.

Drain Bolt Torque: 18.4 ft-lb. (25 N•m)

5. Add oil.

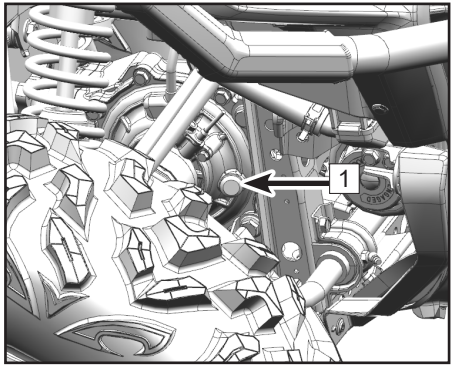
Oil Capacity: 8.5 oz. (250 ml)

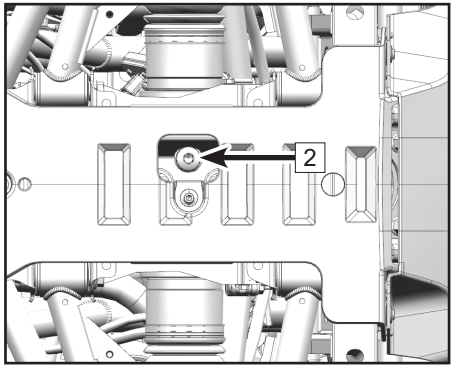
6. Install filling bolt and tighten it to the specified torque.

Drain Bolt Torque: 18.4 ft-lb. (25 N•m)

7. Check for oil leaks at the front gear case. If an oil leak is found, check for the cause or contact an authorized dealer.

⚠CAUTION
Prevent foreign objects from falling into the gear case when adding oil.





Coolant System

Coolant Level Inspection

1. Place the ATV on a level surface.

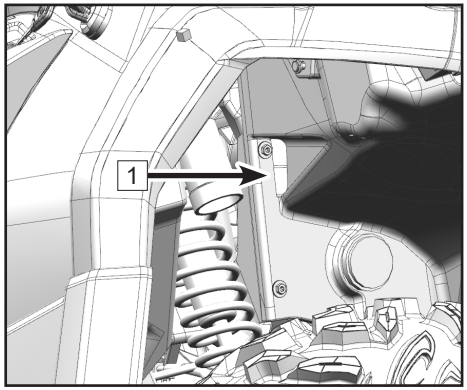
2. Coolant reservoir level indicator [1] is located on the front left of the vehicle. Check the coolant level in the reservoir when the engine is cold, as the coolant level will vary with engine temperature.

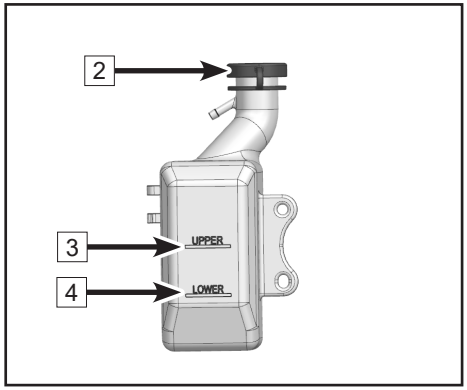
3. Maintain coolant between the upper [3] and lower [4] limit marks.

4. If the coolant is at or below the lower limit mark, remove the front rack access panel and reservoir cap [2] then add coolant to the upper limit mark. Reinstall the reservoir cap, and the front rack access panel.

Lowest capacity of coolant reservoir: 0.1 qt (0.1 L)

⚠CAUTION
If only water is added, have your dealer check the antifreeze content of the coolant as soon as possible.
Distilled water or soft water is allowable if coolant is not available. Hard water or salt water is harmful to the engine.



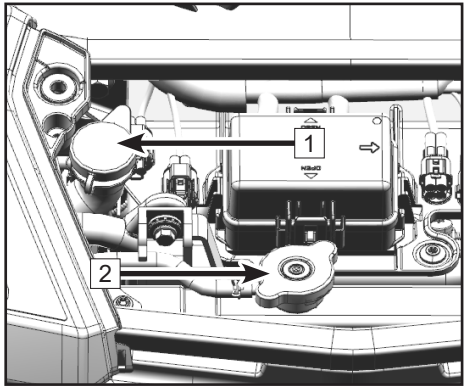


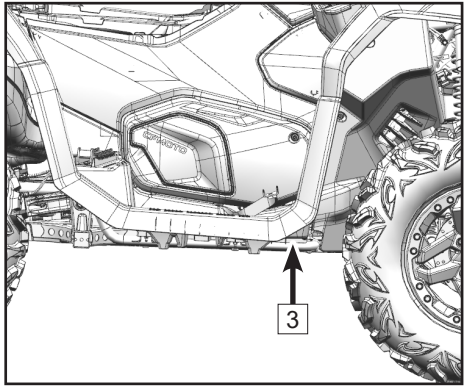
Change the Coolant

Drain the Coolant:

NOTE: Never remove the radiator cap immediately when the engine is hot. Wait for the engine to cool sufficiently before removing the radiator cap. Hot coolant can cause serious burns.

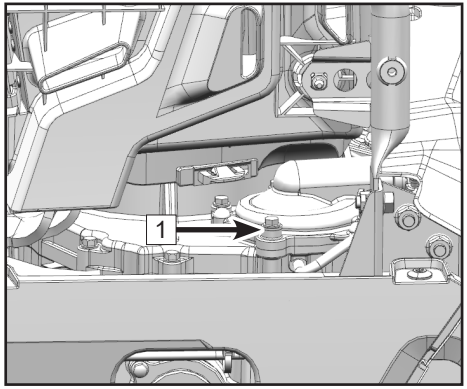
1. Place the ATV on a level surface.
2. Remove the engine right access cover, right side cover and front access cover.
3. Remove the radiator cap [2].
4. Remove the coolant reservoir cap [1].
5. Place a container under the water pump drain bolt [3].
6. Remove the water pump drain bolt and washer [3].
7. Drain out the coolant.
8. Disconnect the hose on the coolant reservoir side, and drain the residual coolant.
9. Flush the cooling system with clean water. Allow the water to drain completely from the system.

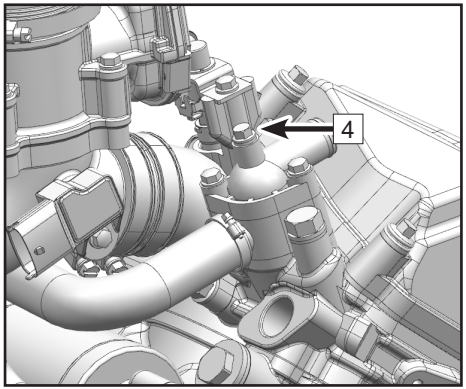




Coolant Replenishment

1. Inspect water pump drain bolt and washer [1] for damage. Replace new one if damaged.
2. Reinstall drain bolt, but do not tighten completely at this time.
3. Reinstall hose to the reservoir tank.
4. Add recommended coolant to the radiator until it appears at the top.
5. Loosen the water pump drain bolt and drain coolant until there are no air bubbles in the discharge.
6. Tighten drain bolt to **7.3 ft-lb. (10 N•m).**
7. Add coolant. Loosen the thermostat air-bleed bolt [4] until coolant flows out, then tighten the bolt sufficiently.
8. Install radiator cap.
9. Start the engine and allow it to idle until the cooling fan turns on, then turn off the engine. After cooling completely, check the coolant level in the radiator and adjust it to the top of radiator. Repeat this step until the coolant level does not change.
10. Add coolant on the reservoir tank to the upper mark.
11. Install reservoir tank cap.
12. Inspect cooling system for leaks. Please contact and authorized dealer if a leak is found.
13. Install engine right access cover, right side cover and front access cover.





Recommended Antifreeze:

Recommended Antifreeze: Any high quality ethylene glycol antifreeze containing corrosion inhibitors for aluminum engines. CFMOTO recommended coolant freeze protection level: -35°C.

Antifreeze and distilled water mixing ratio: 1:1

Total coolant capacity (except coolant reservoir): 3.7 L (0.97 gal.)

Coolant change (except coolant reservoir): 3.6 L (0.95 gal.)

Coolant reservoir capacity: 0.1 ~ 0.2 L (0.02 ~ 0.05 gal.)

(Lower: 0.1 L / Upper mark: 0.2 L)

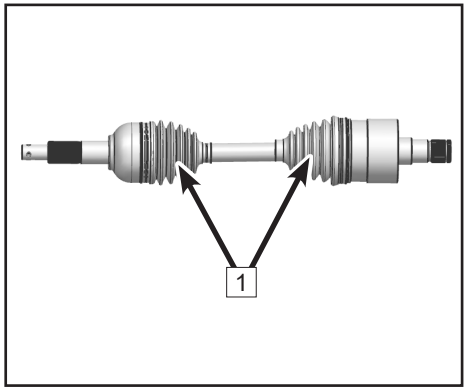
⚠WARNING
CFMOTO uses Organic Acid Technology (OAT) coolant in all liquid-cooled engines. Do not mix with inorganic (IAT) coolant. If replacing with different coolant, please contact your dealer to completely remove the residual coolant. Different coolant mixture may lead to engine failure.

Radiator Cleaning

Clean the front and back external surfaces of the radiator if covered with mud or debris to ensure it continues to efficiently cool the engine. Use only low pressure water to clean the radiator to ensure that there is no residual dirt in cooling area. Ensure that the water can flow can flow freely through the radiator fins. This is a sign that cooling air will be allow to pass through. High pressure washers can damage the cooling fins.

CV Axle Boots

Before riding, check the front/rear CV axle boots 1 for holes or wear. If any damage is found, contact an authorized dealer for replacement.



Spark Plugs

Removal

Remove the RH upper and lower deco panels.

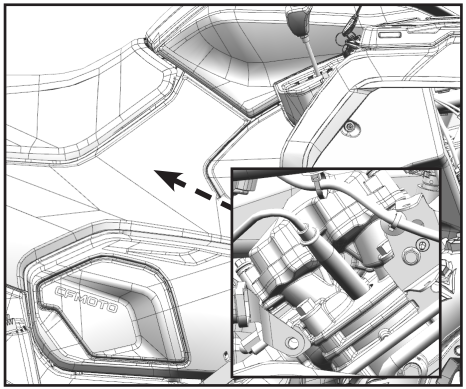
Use the spark plug wrench provided in the tool kit to remove.

Inspection

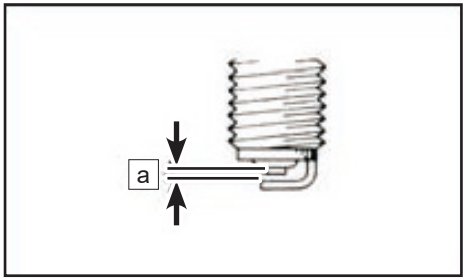
The spark plug is an important component of engine. The color and condition of spark plug can indicate the condition of the engine. The ideal color on the insulator around the center electrode is a medium-to-light tan color for an ATV that is being operated normally.

Periodically remove and inspect the spark plug, as heat and deposits will cause the spark plug to slowly break down and erode. Replace worn spark plugs with the specified plug.

If electrode erosion becomes excessive, or if carbon and other deposits are excessive, do not attempt to diagnose such problems. Instead, contact an authorized dealer for service.



Measure the electrode gap with a thickness gauge, and if necessary, adjust the gap to specification.



Spark Plug Gap [a]**:** 0.25 ~ 0.30 in. **(**0.65 ~ 0.75 mm)

Spark Plug Type: CR8EK (NGK)

Installation

Clean the gasket surface and wipe away dirt and grime from the threads.

Install spark plug and tighten it to the specified torque.

Spark Plug Torque: 14.8 ft-lb. **(**20 N•m)

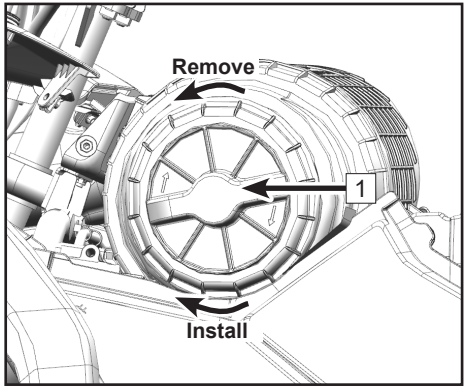
NOTE: If a torque wrench is not available, a good estimate of the correct torque is 1/4 to 1/2 turn past finger tight. Have the spark plug tightened to the specified torque as soon as possible.

Spark Plug Removal To Expel Water From The Engine

If water has been ingested into the engine, it is important to remove the water as soon as possible by removing the spark plugs and using the starter system to rotate the engine for a short period to expel water out of the cylinder. Verify that the air box has been drained of water before attempting to expel water, and immediately contact the dealer for engine service.

⚠CAUTION
If water is ingested into the engine, it may cause damage to major engine. Have the vehicle serviced by your dealer promptly if your vehicle becomes immersed or stalls in water that exceeds the footrest level. It is important to contact your dealer for service before starting the engine if water has been ingested. Water inside the engine can cause a 'hydraulic lock' effect that can damage the starter and engine components. The engine oil should be checked for water contamination. Drain and refill with new engine oil if water is found in the crankcase.

Air Filter



Air Filter Service

1. Remove the seat and upper LH deco panel to access the air filter.
2. Push in and turn the air filter cover [1] counter-clockwise to remove it.
3. Remove air filter element.
4. Check the filter element and verify it can continue to be used. Brush off dust. Do not use compressed air to clean the filter.
5. If replacement is required, apply a light coat of oil to the new filter seal lip and install it.
6. Install air filter cover [1] and turn clockwise (as indicated by arrows) until it locks into place.
7. Reinstall LH upper deco panel and seat.

NOTE: The air filter must be checked and replaced more often in accordance with Periodic Maintenance Chart if the machine is operated in extremely dusty areas or if it becomes wet. Each time air filter maintenance is performed, check the air inlet to the air filter box for obstructions, and the fittings of the air filter housing rubber joint, throttle body, and manifold for an airtight seal. Check that all fittings are tightened securely to avoid the possibility of unfiltered air entering the engine.

⚠WARNING
Do not start engine without an air filter element. Unfiltered air will cause engine wear and damage. Driving without an air filter will also decrease performance and can lead to engine overheating.

Drying the Air Filter Housing After Submersion

If water has been ingested into the air filter housing, Drain the air filter housing, remove the air filter, and thoroughly dry the components. Do not use compressed air. Contact your dealer if vehicle performance issues exist.

⚠ CAUTION
Do not operate the engine without an air filter element. Unfiltered air will enter into the engine and cause engine wear and damage. Driving without an air filter will also decrease performance and can lead to engine overheating.

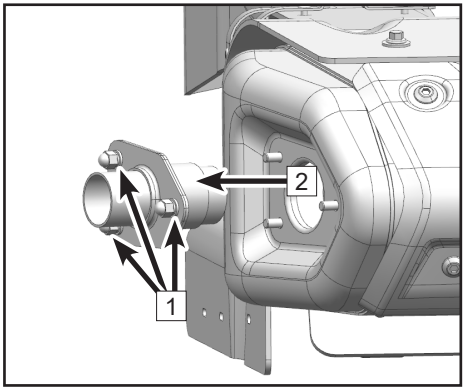
⚠ CAUTION
Major engine damage can result if the vehicle if water has been ingested into the air filter housing, and engine. Have the vehicle serviced by your dealer promptly if your vehicle becomes immersed or stalls in water that exceeds the footrest level. It is important to contact your dealer for service before starting the engine, as water may have been ingested in the air box and engine.

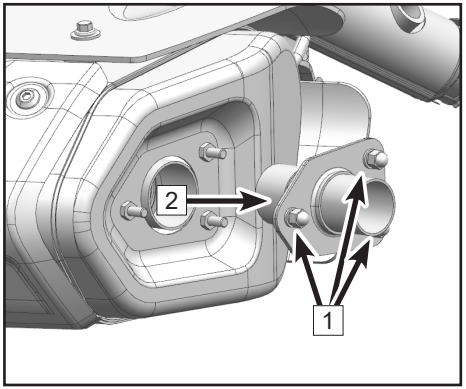
Spark Arrestor

Clean the spark collector when the muffler and exhaust pipe are at normal temperature.

1. Remove nut 1.
2. Remove the spark collector 2 from muffler.
3. Gently tap the exhaust tail pipe, then use a steel brush to remove carbon deposits from the spark collector on the exhaust tail pipe.
4. Insert the muffler into exhaust tail pipe and align bolt holes.
5. Install and secure bolt.

⚠WARNING
When cleaning the spark collector: Ensure that the exhaust pipe has been completely cooled before touching exhaust part. Do not start the engine when cleaning the exhaust system.

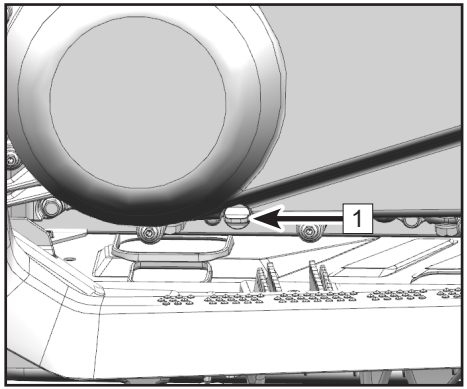




CVT Cover Drain Bolt

If the vehicle is immersed in deep water and water enters the CVT case:

1. Remove the LH passenger foot block and lower deco panel.
2. Remove the drain bolt 1 and drain water from the case.



⚠ CAUTION
After draining water from the CVT housing, contact an authorized dealer to check the ATV, as water may have affected the CVT system and other engine components.

Drying the CVT system after submersion

If water has been ingested into the CVT housing, the drive belt will likely slip and poor performance will result. To expel water and dry the CVT housing:

• Drain the CVT housing.

• With the engine running, place the vehicle in neutral and raise the engine rpm for several minutes to dry the CVT components.

• Release the throttle and shift into low gear, then test the performance of the vehicle.

• Repeat as necessary until you are satisfied all the water has been expelled.

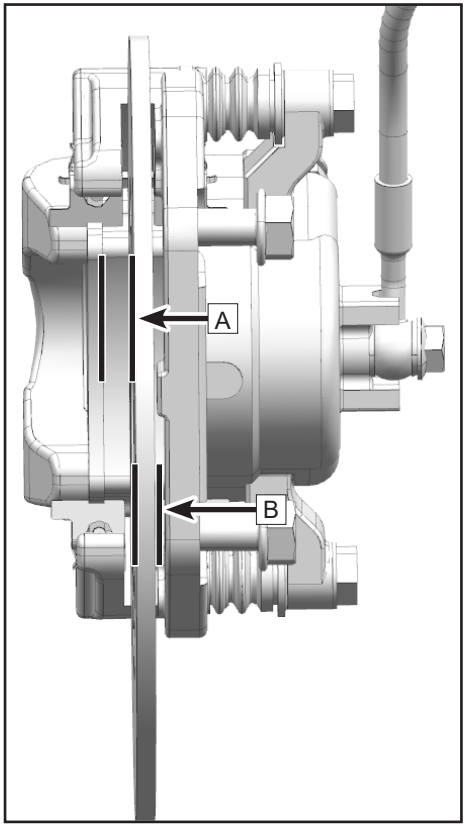
Contact your dealer if vehicle performance issues continue.

Brake System

Check the brake pads 1 for damage and wear. If the pad thickness (A) is less than .059 in. (1.5 mm), or the disc thickness (B) is less than .157 in. (4.0 mm), have your dealer replace them. Replacement of brake components requires professional knowledge. These procedures should be performed by an authorized dealer.

NOTE:

The wheels need to be removed to check brake pads.



Hand Brake Fluid Level Inspection

Before riding, check that the brake fluid is above the lowest level and replenish it if necessary.

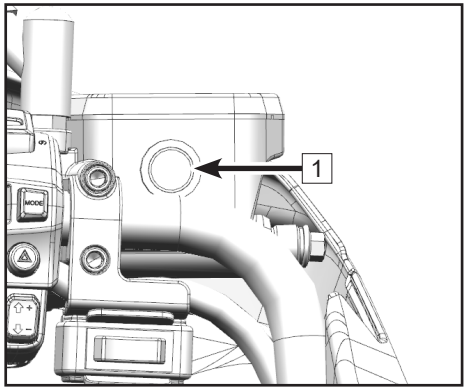
Front brake fluid reservoir is located on left handlebar.

Place the ATV on a level surface.

Inspect the brake fluid level [1] window and verify that fluid can be observed.

If brake fluid level cannot be observed in the window or it is too full, add or reduce the brake fluid appropriately.

Insufficient brake fluid can cause air to enter the brake system, potentially causing ineffective braking.



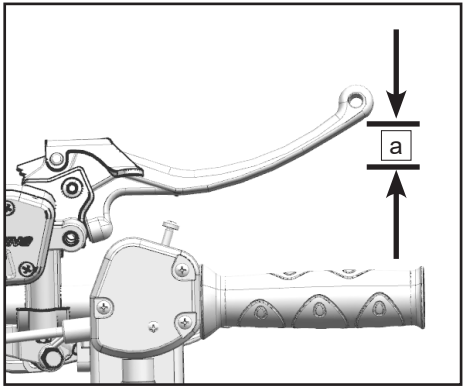
⚠CAUTION
Only use brake fluid of specified quality.
Recommended brake fluid: DOT4.
Add the same type of brake fluid. Mixing brake fluid types can cause harmful chemical reactions and result in low braking performance.
Be careful that water does not enter the reservoir when filling. Water will significantly reduce the boiling point of brake fluid and cause gas congestion.
Brake fluid may damage painted finishes or plastic parts. Clean spilled brake fluid immediately.
If the brake fluid drops quickly or frequently, contact an authorized dealer to check for a cause.

Brake Fluid Replacement

Full brake fluid replacement should be performed by trained professional maintenance personnel. Contact your dealer to replace the following parts during regular maintenance or in the event of failure and leakage.

Replace the brake hoses every four years.

Front brake lever free travel [a]: The front brake lever has free travel at the end of handle lever. If there is no free travel, contact an authorized dealer to check it.



⚠ DANGER
After maintenance: Make sure smooth braking operation and correct free travel. Make sure the brake is not dragging and not soft. All air must be expelled from the brake system. Maintenance of brakes requires specialized knowledge. These steps must be performed by your dealer.

Foot Brake Reservoir Fluid Level Inspection

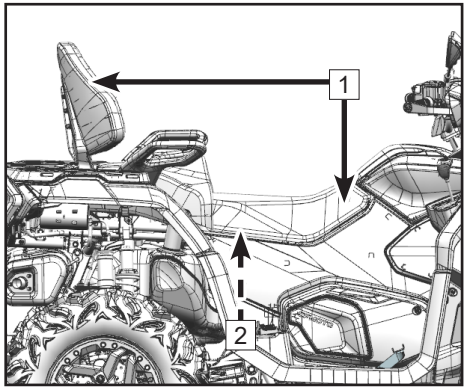
Before riding, check that the brake fluid is above the lowest level and replenish it if necessary.

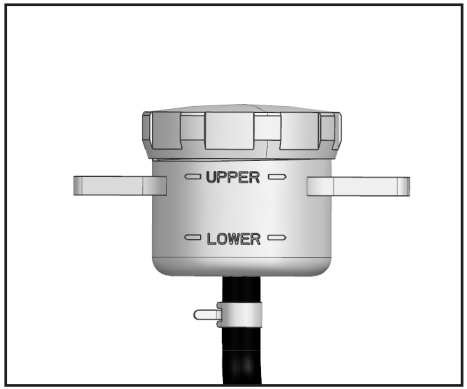
Place the ATV on a level surface.

Footrest brake fluid reservoir is under the seat. Remove the seat [1], and then check the fluid level.

If fluid level is lower than the “lower” mark [2], add DOT4 brake fluid until the between two level lines.

⚠WARNING
Never store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. The moisture causes the drop of boiling temperature of the brake fluid, which can lead to early brake fade and the possibility of accident or severe injury. After opening a bottle of brake fluid, always discard any unused portion.

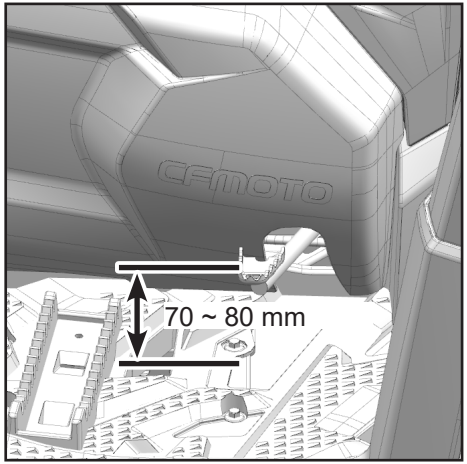




Foot Brake Pedal Height Adjustment

The top of brake pedal should be 70 ~ 80 mm at the top of pedal. If not, contact your dealer for adjustment.

⚠DANGER
After maintenance: Make sure of smooth braking operation and correct free travel. Make sure the brake is not dragging. Adjusting brake parts requires specialized knowledge and these steps must be performed by your dealer.



Foot Brake Light Switch

If the brake light is failure, check that the switch assembly or cable is installed correctly. If the brake light still does not appear, contact your dealer for troubleshooting.

Cable Inspection and Lubrication

⚠ WARNING
Check cables frequently and replace faulty cables. Lubricate internal cables and cable ends. If the cable cannot be operated smoothly, contact an authorized dealer to replace it.

Recommended Lubrication: SAE 10W/30

Suspension Lubrication

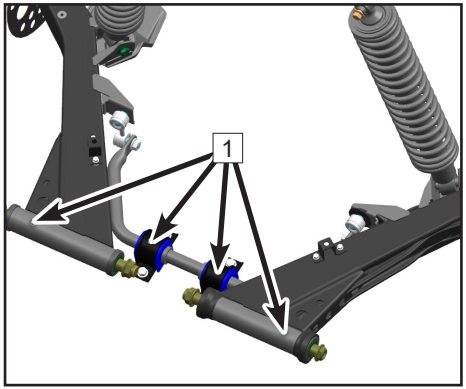
Lubricate the suspension pivots:

Use grease gun to grease the rear suspension pivot nozzles [1] located on the frame, until grease appears at the bushing.

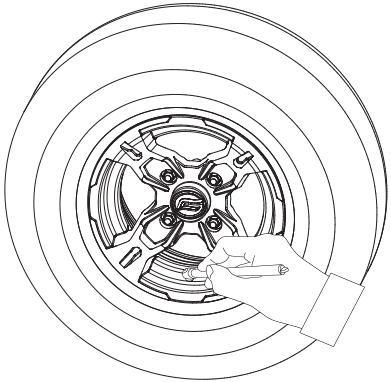
Use grease gun to grease the sway bar nozzles, until grease appears at the bushing.

Use grease gun to grease the front suspension pivot nozzles, until grease appears at the bushing.

NOTE: Injection nozzles are symmetrical left and right.



Tire and Rim



Tire Pressure

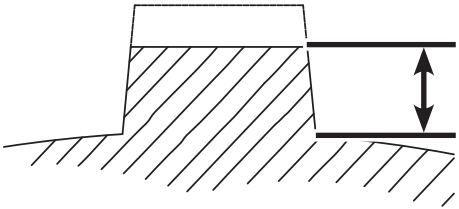
Check tire pressure before riding:

Front wheel: 27×9-14	10 psi (70 kPa)
Rear wheel: 27×11-14	10 psi (70 kPa)

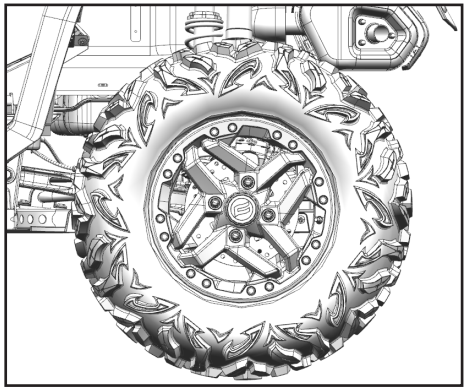
Tread Depth

Check tread depth frequently and replace the tire when the minimum depth is less than the following value:

Minimum Tread Depth: 3.0mm



Beadlock Wheel / Tire (If Equipped)



⚠ CAUTION
Tire pressure is important for vehicle handling and stability. Insufficient tire pressure may lead to tire deflating and rotating on the rim. Excess pressure may lead to tire burst. Always follow the recommended tire pressure. Never set tire pressure below minimum. It could cause the tire to dislodge from the rim.

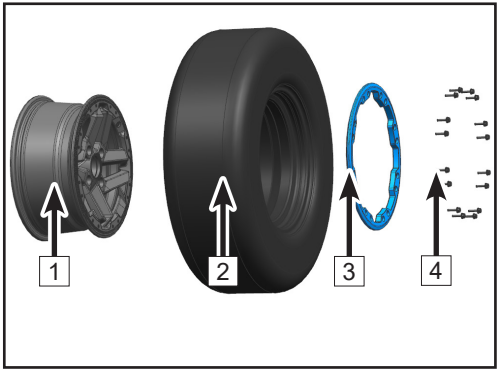
⚠ CAUTION
Inspect the tire pressure when the tires are cold. Tire pressure is affected by the change of environment temperature and altitude. If one of them has a big change during the driving trip, tire pressure should be adjusted and inspected accordingly.

Removal:

Support the suspension under the tire to be removed. Deflate the tire. Remove the beadlock ring bolts, beadlock ring and tire.

NOTE: Wheel removal is not required.

Tire Assembly:



1 - Rim

2 - Tire

3 - Beadlock ring

4 - Beadlock ring bolts

Beadlock Bolt Specification: M6×25

Tire Installation

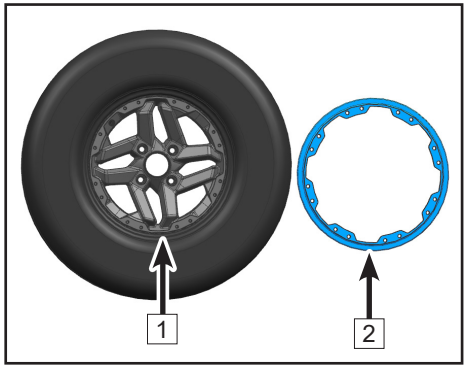
Apply a thin layer of lubricant onto the inner beads of the tire and the beadlock wheel inner ring.

Seat the tire outer bead in the shoulder of beadlock inner ring. Ensure the beadlock inner ring is positioned in the center of tire.

Align tire light point (the paint mark) with the inflating valve.

1 - Tire outer bead

2 - Beadlock inner ring shoulder



Beadlock Ring Installation

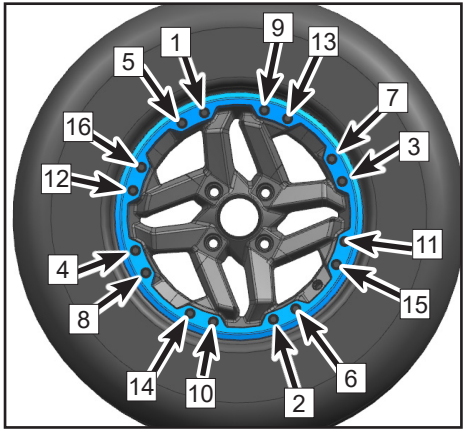
Install all the beadlock ring bolts in a criss-cross sequence, To avoid mis-threading, follow the number sequence as shown and screw by hand.

To ensure even pressure on the beadlock clamp ring, pretighten bolts a few turns at a time.

NOTE:

Blue thread locker on the bolt threads is recommended.

Beadlock Ring Bolts - First Torque: 26 in-lb. (3 ±1 N•m)



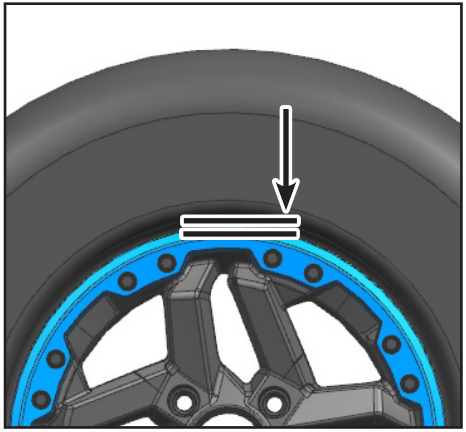
Check to ensure the tire is in the center of wheel. Reposition it as necessary.

Tighten the bolts according to the second torque, following the same sequence.

Beadlock Ring Bolts - Second Torque: 70 in-lb. (8 ±1 N•m)

The beadlock clamp ring should be in contact with the beadlock inner ring. The beadlock clamp ring can flex slightly to match the tire bead.

Verify the clearance between tire and beadlock clamp ring after installation, it should be equal all around the ring.



If the gap is not inconsistent:

- Loosen all the screws.
- Check the tire position on wheel. Reposition it if necessary.
- Restart the pre-tightening, following the indicated sequence.
- Torque the beadlock ring bolts to the first and second torque values following the indicated sequence.

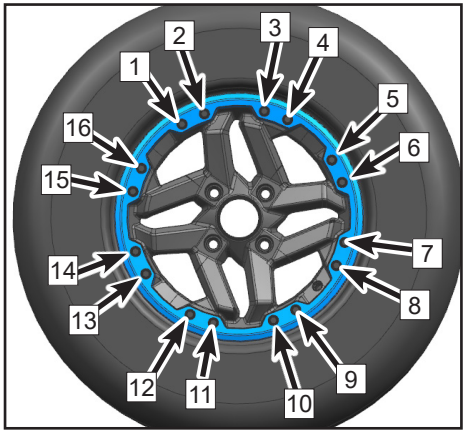
Beadlock Ring Bolts - Final Torque: 106 in-lb. (12 ±1 N•m)

Tighten the beadlock ring screws in a clockwise direction as shown.

Make sure the tire remains centered in place before inflating with air.

Inflate the tire to seat the inner beads on the wheel.

⚠ CAUTION
Do not exceed the recommended maximum tire pressure when seating tire beads.



MAINTENANCE

Battery

The battery in this vehicle is a maintenance-free battery. Therefore, it is unnecessary to inspect the amount of battery electrolyte or add distilled water. Please contact the dealer if the battery leaks.

Battery Specification: 12V 30Ah

⚠WARNING
Do not remove the battery's sealing strip, or the battery will be damaged.

⚠DANGER
Avoid contact with skin, eyes or clothing, and always shield eyes when working near batteries. Keep out of reach of children.

Emergency Measures:

EXTERNAL: Flush with water.

INTERNAL: Get prompt medical attention.

EYES: Flush with water for 15 minutes and get prompt medical attention.

Keep batteries away from sparks, flames, cigarettes or other sources of ignition. Ventilate the area when charging or using in a closed space.

Service Guidelines:

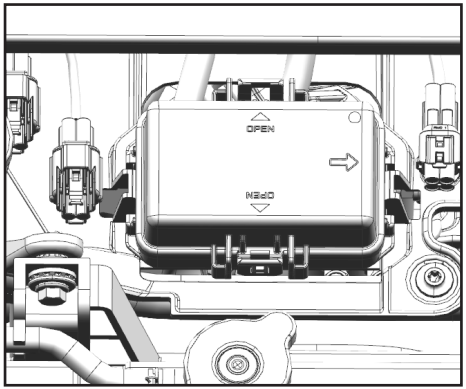
CFMOTO recommends for vehicles not used within 30 days (battery remains in the vehicle) to charge the battery monthly or keep the battery connected to a trickle charger (battery maintainer).

Low-maintenance battery require special chargers (constant low voltage/ampere). Using traditional battery chargers will reduce battery life.

Make sure the cables correctly connected when mounting the battery. Red('+'positive pole wire)/Black('-'negative wire). Keep the red('+'positive pole wire) is disconnected, and connect the red wire while mounting.

Use mixture of baking soda and water to clean the corroded battery connection.

Fuse and Relay Replacement



1. Main relays, fuses, EPS fuse, and relay panel are located below the front service cover.

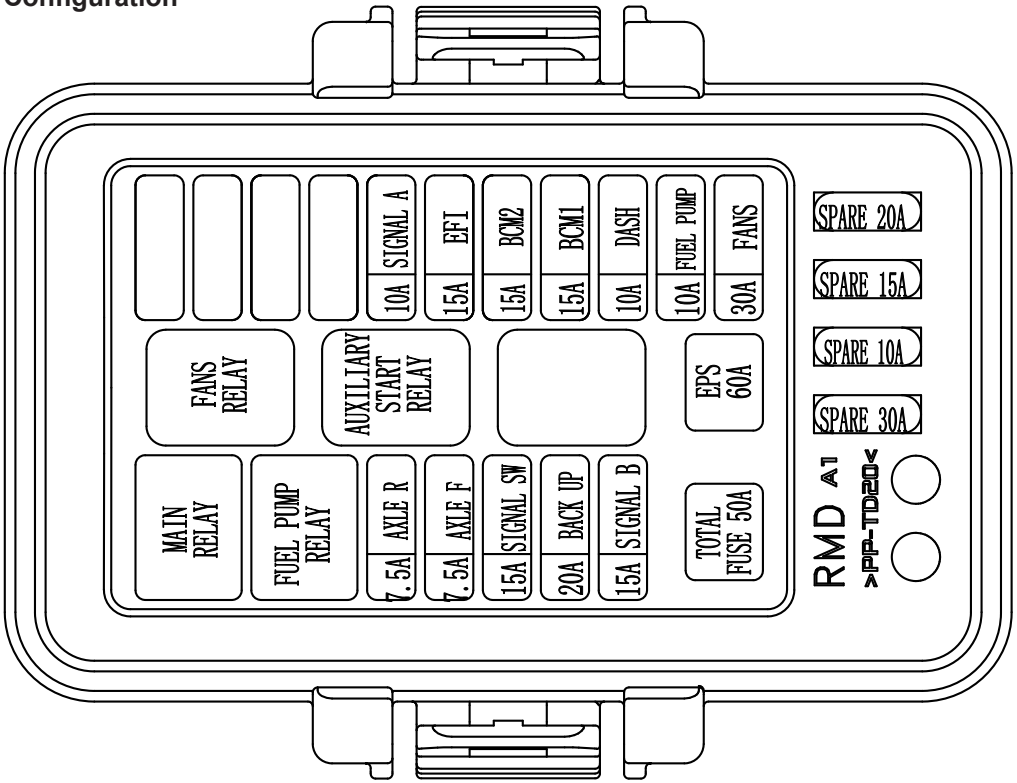
2. If a fuse is blown, turn off the main switch and install a new fuse of the specified ampere, then turn on the switch. If fuse blows immediately, consult with an authorized dealer.

⚠CAUTION
Always use a fuse of the specified rating.
Never use conductive material in place of the proper fuse.
To prevent accidental short-circuit, turn off the main switch when checking or replacing a fuse.

Relays

Electronic relays facilitate the operation of various vehicle system functions. They are located below the front service cover and on the front service plate. To replace a relay or get diagnosis, please contact your dealer.

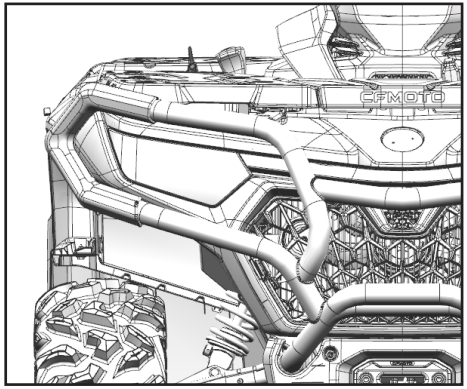
Fuse / Relay Configuration



Lights

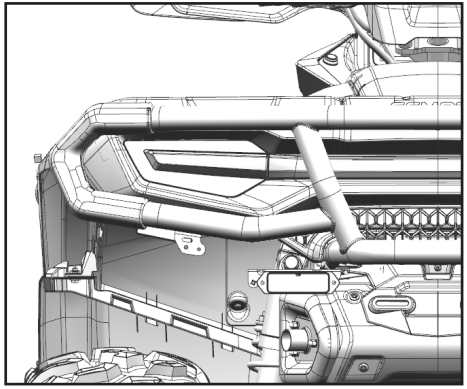
Headlight Bulb Replacement

The headlight and tail light are LED and cannot be repaired after damaged or failure. Please have your dealer replace the entire assembly when the LED light is damaged or failed.



Headlight Adjustment

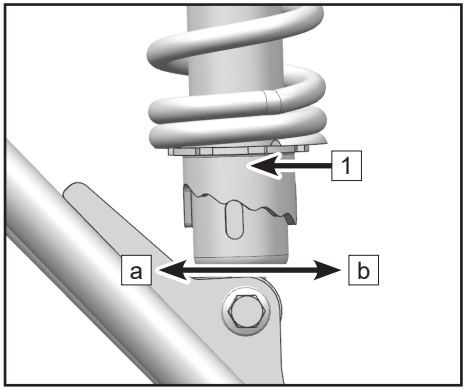
⚠ WARNING
It is recommended to let your dealer make the adjustment. Turn the adjusting screw to raise or lower the light.



Tail Light/Brake Light Replacement:

Tail light and brake light are consisted of LED assemblies and cannot be replaced separately. Replace the entire assembly when the LED light is damaged or failed.

Suspension Adjustment



Standard Shocks - Spring Preload Adjusmtent

(Select Markets)

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

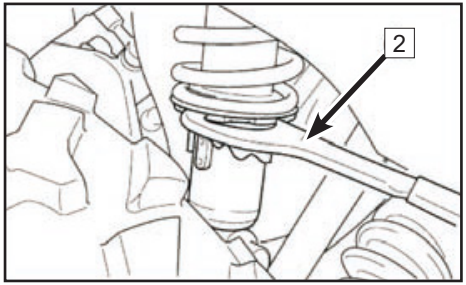
Remove the rear wheel when adjusting the rear shock absorber.

Adjust the spring pre-load by following steps:

Use special tool (2) in the direction (a) to turn gear (1) for increasing spring pre-load.

Use special tool (2) in the direction (b) to turn gear (1) for decreasing spring pre-load.

NOTE: The special tool (if not included in the tool kit) can be purchased at an authorized dealer for this adjustment.



Standard Preload Position: 3

Position 1 - minimum (soft)

Position 5 - maximum (hard)

NOTE: Adjust left and right shock absorbers to the same setting.

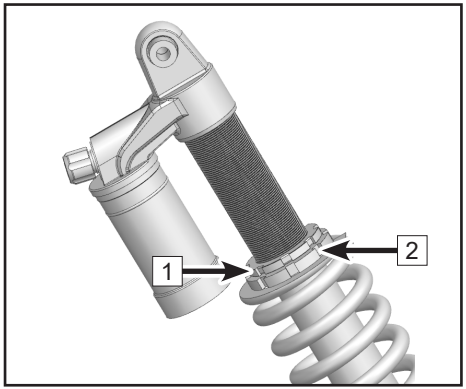
Gas Shocks - Spring Preload Adjustment

When riding on rough terrain conditions, using the hitch to tow, or carrying the maximum weight of people and cargo, increase the spring preload to get firmer riding.

Decrease the spring preload as necessary for rough or soft terrain, to get smooth riding.

Proper spring preload setting is a personal preference, and changes with rider weight, riding style and conditions.

Elevating the vehicle with the tires off the ground assists with adjustments. Use a suitable device to measure the spring length, keeping the left and right preload the same.



Increase spring preload:

Loosen the lock nut (1).

Then turn the adjuster clockwise to shorten the spring length (2).

Re-tighten the lock nut (1).

Decrease spring preload:

Loosen the lock nut (1).

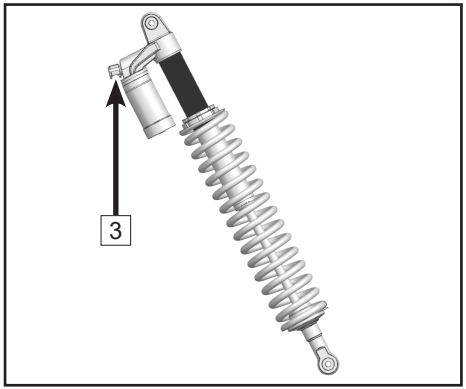
Then turn the adjuster counter-clockwise to increase the spring length (2).

Re-tighten the lock nut (1).

Gas Shocks - Compression Damping Adjustment

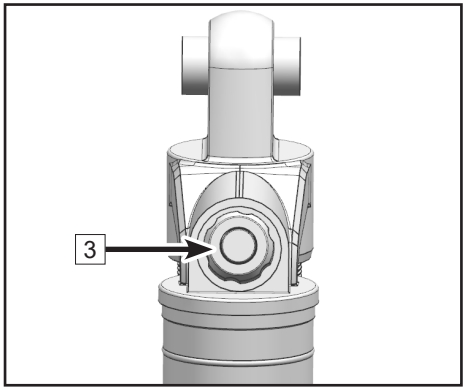
Compression damping 3 controls the suspension compression velocity. The higher the compression damping setting is, the slower the suspension compression velocity is. And the lower the compression damping setting is, the quicker the suspension compression velocity is.

Compression damping adjustment can reduce shaking during turns, and maintains stability to avoid imbalance of the vehicle center of gravity. The shock absorber can absorb impacts and maintain vehicle's stability during a high-speed drive, and the performance is most obvious during continuous bumps.



Gas Shocks - Compression Damping Adjustment

Compression damping 3 affects the suspension Compression velocity after it has been compressed. If the damping setting is higher, the Compression velocity is slower. If the damping setting is lower, Compression velocity is faster. Proper Compression setting is a personal preference, and changes with rider weight, riding style and conditions.



Compression Damping 3**:** 3 clicks adjustable

Factory Setting: 1 click - front and rear.

Turn the adjuster (“S” direction) by hand to increase the damping, and record the click number.

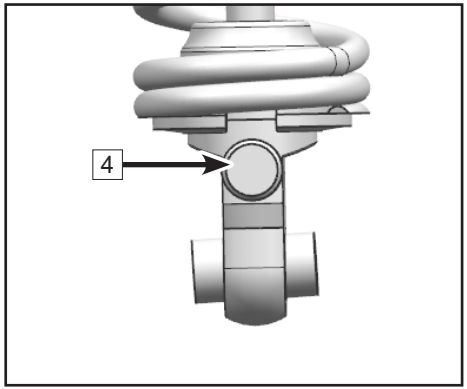
Turn the adjuster (“F” direction) by hand to decrease the damping, and record the click number.

To restore the factory setting:

Turn back an equal number of clicks to restore factory setting, or turn the adjuster counter-clockwise (“F” direction) to the end, then turn 3 clicks by clockwise (“S” direction) for both front and rear shock absorber.

Gas Shocks - Rebound Damping Adjustment

Rebound damping [4] affects the suspension rebound velocity after it has been compressed. If the damping setting is higher, the rebound velocity is slower. If the damping setting is lower, rebound velocity is faster. Proper rebound setting is a personal preference, and changes with rider weight, riding style and conditions.



Rebound Damping [4]: 6 clicks adjustable

Factory Setting: 4 clicks - front and rear

Turn the adjuster (“S” direction) by hand to increase the damping, and record the click number.

Turn the adjuster (“F” direction) by hand to decrease the damping, and record the click number.

To restore the factory setting:

Turn back an equal number of clicks to restore factory setting, or turn the adjuster counter-clockwise (“S” direction) to the end, then turn 3 clicks by clockwise (“F” direction) for both front and rear shock absorber.

Fuel Evaporation System (EVAP - If equipped)

Depending on market requirements, in certain areas your vehicle is equipped with a fuel evaporation system (EVAP) that prevents fuel vapors from entering the atmosphere from the fuel tank and fuel system. Never modify any part of this system, which will violate fuel evaporation emission regulations.

During routine maintenance, visually inspect all connections for leaks and blockage, and inspect the hoses for kinks or damage.

No other maintenance is necessary. Contact your dealer if repair is required.

NOTE: Information applies only to vehicles equipped with a fuel evaporation system.

⚠WARNING
If your vehicle becomes immersed, major engine damage can result if the machine is not thoroughly inspected. Water can be ingested through the EVAP system. Take the vehicle to your dealer before starting the engine. For example, if the engine is not properly handled after immersion, starting will damage the engine.

Cleaning & Storage

Cleaning the ATV

Keeping your ATV clean will not only improve its appearance, but it can also extend the life of various components. With a few precautions, your ATV can be cleaned much like an automobile.

Washing the ATV

The best and safest way to clean your ATV is with a garden hose and a pail of mild soap and water. Use a professional type washing mitten, cleaning the upper body first and the lower parts last. Rinse with water frequently and dry with a chamois to prevent water spots.

NOTE:
If warning and safety labels are damaged, contact your dealer to purchase replacements.

CFMOTO does not recommend the use of a high pressure type car wash system for washing your ATV. If a high pressure system is used, exercise extreme care to avoid water damage to the wheel bearings, transmission seals, body panels, brakes, warning labels, air filter intake system and electric system, etc. Water is never allowed to enter the air filter.

NOTE:
Grease all fittings immediately after washing, and allow the vehicle to run for a while to evaporate any water that may have entered the engine or exhaust system.

CLEANING & STORAGE

Waxing the ATV

Your ATV can be waxed with any non-abrasive automotive paste wax. Avoid the use of harsh cleaners since they can scratch the body finish.

⚠CAUTION
Certain products, including insect repellents and chemicals, will damage plastic surfaces. Use caution when using these products near plastic surfaces.

Perform repairs

Make necessary repairs to your vehicle before storing to prevent further damage the next time you operate it.

Check the tires

Inspect the tire treads and overall condition. Set the tires to the specified air pressure.

CLEANING & STORAGE

Oil and Filter
Warm the engine, then stop the engine and change the oil and filter.

Air Filter/ Air Box
Inspect and clean or replace air filter. Clean the air box and drain the sediment tube (if equipped).

Check fluid levels
Inspect the following fluid levels and change if necessary:

- Front gear case
- Rear gear case
- Brake fluid (change every two years or as required if fluid looks dark or contaminated)
- Coolant (change every two years or as required if coolant looks contaminated)
- Fuel Level (add fuel stabilizer according to the product label directions)

Stabilize the fuel
Fill the fuel tank with fresh fuel that has been treated with fuel stabilizer according to the product label directions. Do not allow untreated fuel to remain in the tank longer than 30 days, as the fuel begins to degrade and can cause damage to the fuel system components.

Lubricate
Inspect all cables and lubricate with cable lubricant according to the product label directions. Grease the vehicle pivot points with all-season grease.

CLEANING & STORAGE

'Fog' the engine

1. Access the spark plugs.
2. Remove the spark plugs, rotate each piston to the bottom of its stroke and pour approximately 2.0 oz. (15 ~ 20ml) of engine oil into the spark plug hole.

NOTE:

Do this carefully! If you miss the spark plug hole, oil will drain from the spark plug cavity, and appear to be an oil leak. To access the spark plug hole, use a section of clean hose and a small plastic squeeze bottle filled with the pre-measured amount of oil.

3. Reinstall the spark plugs. Torque the spark plugs to specification.
4. Turn engine over several times slowly. Oil will be forced in and around the piston, piston rings and the cylinder will be coated with a protective film of fresh oil.
5. Reinstall the spark plug caps and coverings.

NOTE:

Starting the engine during the storage period will disturb the protective film created by fogging. Corrosion could occur. Never start the engine during the storage period.

CLEANING & STORAGE

Battery storage

Remove the battery from the vehicle and ensure that it is fully charged before placing it in storage. Protect the battery from freezing temperatures, which can damage the battery.

Engine Coolant

Test engine coolant strength and change if necessary. Coolant should be replaced every two years.

Storage Area/Covers

Set the tires to specified air pressure and support the ATV with tires 30 ~ 40mm (1/2 in.) off the ground. Be sure the storage area is well ventilated and cover the machine with a ATV cover.

NOTE:

Do not use plastic or coated materials. They do not allow enough ventilation to prevent condensation, and may promote corrosion and oxidation.

If an engine fogging procedure is not performed, it is recommended to warm up the engine every 3 months and idle for 5 to 10 minutes so that the engine can be fully lubricated.

Vehicles that have been disabled for a long time should avoid pulling or high speeds immediately after starting, which will cause excessive engine wear and affect the engine life.

Transporting the Vehicle

Follow these procedures when transporting the vehicle:

- Turn off the engine and remove the key to prevent loss during transporting.
- Ensure the fuel cap is installed correctly and secure.
- Ensure the seat(s) is installed correctly and secure.
- Place the gear selector into any position except the parking position, and block the front and rear wheels to prevent the vehicle from moving.
- Secure both the front and rear of the vehicle frame to the transporting device. This will prevent the vehicle from sliding or moving during transport.

⚠CAUTION
Never transport with the gear selector in Park position. Transmission damage will result.
Never use the winch as a securing device for transport. Damage to the winch will result.

Vehicle Issue Diagnosis

This section is intended to guide an average owner to simple items that could cause operating problems. Diagnosis of vehicle issues may require the experience of a dealership technician. Please contact your dealer if a solution is not apparent.

Engine Starter Doesn’t Turn On

Fail Reason	How To Avoid Failure
Poor engine performance.	Check for fouled plugs or foreign material in gas tank, fuel lines, or throttle. Contact your dealer for service.
Tripped circuit breaker	Reset the breaker or replace the fuse
Low battery voltage	Recharge battery to 12.8 Vdc
Loose battery connections	Check all connections and tighten
Loose solenoid connections	Check all connections and tighten

Engine Pings or Knocks

Fail Reason	How To Avoid Failure
Poor quality or low octane fuel	Replace with recommended fuel
Incorrect ignition timing	See your dealer
Correct spark plug gap or heat range	Set gap to specs or replace plugs

Engine Stops or loses power

Fail Reason	How To Avoid Failure
Overheated engine	Clean radiator screen and core Clean engine exterior See your dealer

Engine Turns Over, Fails to Start

Fail Reason	How To Avoid Failure
Out of Fuel	Refuel
Clogged fuel valve or filter	Inspect and clean or replace
Water is present in fuel	Drain the fuel system and refuel
Fuel valve is out of use	Replace
Old or non-recommended fuel	Replace with new fuel
Fouled or defective spark plug(s)	Inspect plug(s), replace if necessary
No spark to spark plug	Inspect plug(s), verify stop switch is on
Crankcase filled with water or fuel	Immediately see your dealer
Overuse of choke	Inspect, clean and/or replace spark plugs
Clogged fuel injector	Clean or replace new fuel injector
Low battery voltage	Recharge battery to 12.8 Vdc
Mechanical failure	See your dealer

Engine Backfires

Fail Reason	How To Avoid Failure
Weak spark from spark plugs	Inspect, clean and/or replace spark plugs
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Old or non-recommended fuel	Replace with new fuel
Incorrectly installed spark plug wires	See your dealer
Incorrect ignition timing	See your dealer
Mechanical failure	See your dealer

Engine Runs Irregularly, Stalls or Misfires

Fail Reason	How To Avoid Failure
Fouled or defective spark plugs	Replace with recommended fuel
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with new fuel
Low battery voltage	Recharge battery to 12.8 Vdc

Engine Runs Irregularly, Stalls or Misfires

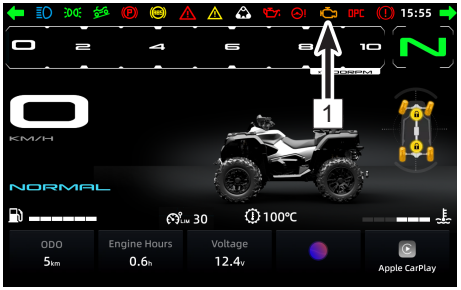
Fail Reason	How To Avoid Failure
Kinked or plugged fuel vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer
Possible Lean or Rich Fuel Mixture Cause	Solution
Low or contaminated fuel	Add or change fuel, clean the fuel system
Low octane fuel	Replace with recommended fuel
Clogged fuel filter	Replace filter
Fuel is very high octane	Replace with lower octane fuel

Engine Stops or Loses Power

Fail Reason	How To Avoid Failure
Out of fuel	Refuel
Kinked or plugged fuel vent line	Inspect and replace
Water present in fuel	Replace with new fuel
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Low battery voltage	Recharge battery to 12.8 Vdc
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer

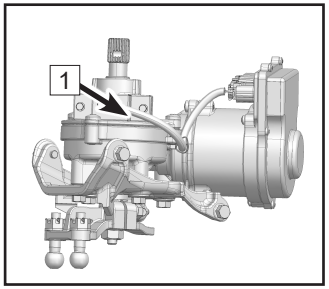
EFI Malfunction Indicator Light

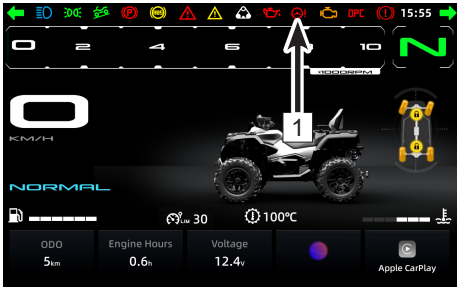
The Electronic Fuel Injection system on your vehicle contains a self-diagnostic feature that will illuminate the malfunction indicator light (MIL) [1] if it detects a fault. In normal operation, the EFI indicator will be on after the ignition switch is turned to ON. When the engine is started, the EFI indicator will turn off if no faults are detected.



EPS Malfunction Indicator Light

The Electronic Power Steering system [1] on your vehicle contains a self-diagnostic feature that will illuminate the malfunction indicator light (MIL-2) if it detects a problem. In normal operation, the EPS indicator will be on after the ignition switch is turned to ON, but EPS will not work. When the engine is started, the EPS indicator will be off and the EPS starts to function.





VEHICLE DIAGNOSIS

EPS Fault Diagnosis and Solution

Ref No	Trouble shooting	Possible causes	Repair procedures
1	No steering assist to handlebar	Improper plug connection	Check the plugs and connections
		Burnt fuse	Replace fuse
		Failure of Controller, Motor or sensor	Contact authorized dealer and replace the parts.
2	Asymmetrical steering assist to left and right turning	Improper voltage output from sensor	Contact authorized dealer for adjustment or replacement
		Controller, Motor or sensor break down	Contact authorized dealer and replace the parts.
3	Steering swing	Wrong connections at motor terminals	Change the terminal connection of the red and black wire
		Controller or sensor break down	Contact authorized dealer for parts and replacement
4	Low power steering assist	Overuse of choke	Recharge or replace battery
		Motor break down.	Contact authorized dealer for replacement
		Low pressure with Front tires	Inflate tires to the required pressure
5	Noise from system	Motor break down.	Inspect, clean and/or replace spark plugs
		Steering system parts wear out and big clearance exist.	Replace the related parts.
		Improper assembly of steering column or mechanical steering assembly parts	Check and tighten all of bolts.

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 T-BOX 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, 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 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!

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