U10 PRO
U10 PRO HIGHLAND
U10 XL PRO
U10 XL PRO HIGHLAND

Owner's Manual

Read this operator’s guide thoroughly. It contains important safety information.
Minimum recommended operator age: 16 or older.
Keep this operator’s guide with the vehicle at all times.
The removal or modification of evaporative emission-related parts on this OHRV is illegal. Violators may be subject to civil and/or criminal penalties under California and federal law.

TABLE OF CONTENTS

Foreword 5
Welcome 5
EVAP System (Evaporative Emission Control System) 6
Catalytic Converter 7
Signal Words 8
Introduction 11
Vehicle Identification Numbers and Key Information 12
U10 PRO / U10 PRO HIGHLAND Specification 13
U10 XL PRO / U10 XL PRO HIGHLAND Specifications 20
Operator Safety 27
General Safety Precautions 27
Owner Responsibilities 32
Safe Riding Gear 36
Safety Labels, Locations and Warnings 39
Potential Hazard Warnings 47
Controls and Features 63
Primary Controls 63
Secondary Controls 70
Vehicle Features - U10 PRO / U10 PRO HIGHLAND 86
Vehicle Features - U10 XL PRO / U10 XL PRO HIGHLAND 89

CVT System 103
How To Avoid CVT Drive Belt Failure 105
HVA/C System (If equipped) 107
MMI Instrument 112
Activation and Self-test 112
Dashboard Indicators and Warnings 113
Dashboard Display 118
Instrument Menu 121
Operating Your Vehicle 150
Break-In Period 150
Pre-Ride Inspection 152
Throttle 155
Brakes 155
Starting the Engine 155
Shifting the Transmission 156
Safe Operation - Driving Safely 158
Responsibilities of the Operator 158
Practice Exercises 161
Operating Your Vehicle 166
Hauling and Towing Loads 176
Winch Operation 183

Maintenance 192
Severe Use Definition 192
Pre-Ride Maintenance Checklist 194
Break-In Maintenance Checklist 196
Periodic Maintenance Schedule 198
Maintenance Procedures 205
Air Filter 205
Engine 209
Front Gear Case 215
Front and Rear CV Drive Shaft 217
Cooling System 218
Spark Plug(s) 222
Exhaust Spark Arrestor 225
Battery 226
Brakes 230
Suspension 232
Wheels 235
Electrical 237
Safety Belt 242
A/C unit and HVA/C Air Filter (If equipped) 243

Cleaning and Storage 244
Washing the Vehicle **244**
Waxing the Vehicle 244
Preparation for Storage 245
Transporting or Towing the Vehicle 249
Transporting 249
Procedure For Towing - Release Transmission and Electronic Park Brake 250
Vehicle Issue Diagnosis 252
Engine does not turn over 252
Engine pings or knocks 252
Engine stops or loses power 253
Engine turns over, Fails to start 254
Engine backfires 255
EFI Malfunction Indicator Light 256
CFMOTO Limited Warranty 259
Warranty Terms & Conditions 259
U.S.A. EPA and CARB Emissions Control Limited Warranty 267
Noise Control System and Tampering 270
Change of Ownership 271
CFMOTO RIDE APP / TELEMATICS MODULE 272
CFMOTO RIDESYNC APP / TELEMATICS MODULE (Select Markets) .. 273

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.

Due to constant improvements in the design, quality, or configuration of production components, some minor discrepancies may result between the actual vehicle and the information presented in this publication. CFMOTO reserves the right to change product features, specifications and components without notice or incurring obligation to the purchaser. Depictions and/or procedures within are intended for reference use only. The most current version of this manual may be available on the CFMOTO consumer website of the market you reside in.

FOREWORD

This manual applies to the following models:

U10 PRO (CF1000UU-8 CF1000UZ-8 CM1000UU-8 CM1000UZ-8)

U10 PRO HIGHLAND (CF1000UU-8K CF1000UZ-8K CM1000UU-8K CM1000UZ-8K)

U10 XL PRO (CF1000UU-8L CF1000UZ-8L CM1000UU-8L CM1000UZ-8L)

U10 XL PRO HIGHLAND (CF1000UU-8LK CF1000UZ-8LK CM1000UU-8LK CM1000UZ-8LK)

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
Certain features described in this manual may not apply to models sold in your market. Selectively read the content in the manual according to the vehicle's configuration. 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.

NEVER:

- Operate without proper training or instruction.
- Operate on public roads. A collision can occur with another vehicle.
- Operate on paved roads. Pavement may seriously affect handling and control.
- Operate at speeds too fast for your skill, conditions, or the terrain.
- Use ALCOHOL or DRUGS before or while driving this vehicle.

ALWAYS:

- Avoid paved surfaces, which may adversely affect the handling and control.
- Use proper driving techniques to avoid vehicle overturn on hills, rough terrain, and when turning.
- Wear googles, 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
When operating, servicing, and maintaining the vehicle, you may come in contact with chemical substances such as exhaust gas, carbon monoxide, phthalates, and lead, which can cause cancer, birth defects or other reproductive damage. Service the vehicle in a ventilated area and wash hands frequently. The engine exhaust gas from this product contains CO, which is deadly gas and could cause headaches, giddiness, loss of consciousness, or even death. To reduce the risk, do not breathe in gas fumes or exhaust, and do not run the engine if not necessary. Always avoid starting or servicing the vehicle in areas with poor ventilation.

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

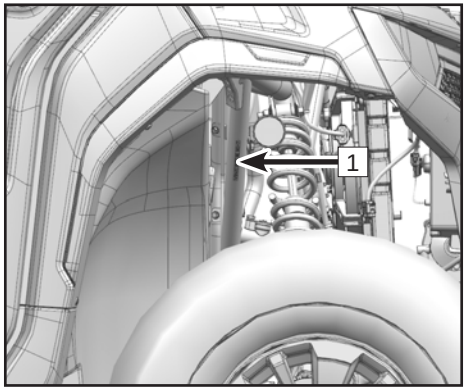
TEL: 819-994-3328 (Ottawa-Gatineau area or international) or toll-free: 1-800-333-0510 (In Canada)

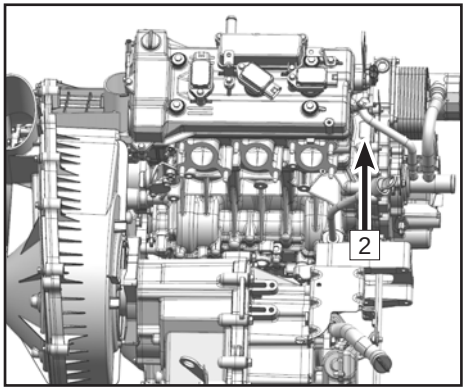
Online: http://www.tc.gc.ca/recalls

INTRODUCTION

Vehicle Identification Numbers and Key Information

Record your vehicle's identification numbers in the spaces provided. Remove the spare NFC key and store it in a safe place. If both NFC keys are lost, a new one must be purchased and programmed at an authorized CFMOTO dealer.





1. Vehicle Identification Number: _____
2. Engine Serial Number: _____

SPECIFICATIONS

U10 PRO / U10 PRO HIGHLAND Specification

Item	U10 PRO		U10 PRO HIGHLAND	
Overall Length	116.7 in. (2965 mm)			
Overall Width	63.9 in. (1625 mm)		64.7 in. (1645 mm)	
Overall Height	76.5 in. (1945 mm)			
Wheel Base	81.1 in. (2060 mm)			
Ground Clearance	12.9 in. (330 mm)			
Min. turning radius	167.3 in. (4250 mm)			
Curb Weight	1843.1 lb. (836 kg)		2138.5 lb. (970 kg)	
Cargo Box Weight Capacity	1000 lb. (454 kg)	California:600 lb. (272 kg)	1000 lb. (454 kg)	California:600 lb. (272 kg)
Maximum Vehicle Load Allowed	1651 lb. (749 kg)	California: 1250 lb. (567kg)	1602 lb. (727 kg)	California: 1202 lb. (545kg)
Recommended Towing Capacities: Towing Hitch Weight Trailer and Cargo Weight	123.4 lb. (56 kg) 2500 lb. (1134 kg)			
Engine Model And Type	380Y-3			
Type	3 Cylinder in-line, 4-stroke, liquid-cooled, 12 valves, DOHC			

SPECIFICATIONS

Item	U10 PRO	U10 PRO HIGHLAND
Bore × Travel	3.15 in. (80 mm) × 2.61 in. (66.2 mm)	
Displacement	998 cc	
Compression Ratio	11.0 : 1	
Starting Type	Electric start	
Lubrication Type	Pressure / Splash lubrication	
Engine Coolant: Type Capacity Mix Ratio:	 CFMOTO uses Organic Acid Technology (OAT) coolant in all liquid-cooled engines. Do not mix with inorganic (IAT) coolant. 7.0 qt. (6.7 L) 50% Coolant / 50% Distilled water	 CFMOTO uses Organic Acid Technology (OAT) coolant in all liquid-cooled engines. Do not mix with inorganic (IAT) coolant. 8.2 qt. (7.8 L) 50% Coolant / 50% Distilled water
Engine Oil: Type Engine Oil Volume: Capacity Change / Oil Filter	 SAE 5W-40 / SAE 0W-40 SP or higher API synthetic oil (See engine oil viscosity chart - page 151) 4.3 qt. (4.2 L) 4 qt. (3.8 L)	
Transmission / Rear Differential Oil Type Capacity:	 SAE 75W-90 GL-5 2.96 qt. (2.8 L)	

SPECIFICATIONS

Item	U10 PRO	U10 PRO HIGHLAND
Front Differential Oil: Type Volume Periodic Oil Change	SAE 80W-90 GL-5 0.26 qt. (250 ml)	
Air Filter	Paper type	
Fuel Type Fuel Tank Capacity Fuel Reserve Amount At Fuel Gauge 'Flash'(Maximum)	89 octane or higher unleaded gasoline 11.8 gallons (45 L) 1.3 gallons (5 L)	

SPECIFICATIONS

Item			U10 PRO	U10 PRO HIGHLAND
Spark Plug Type			TORCH BN8RTC	
Spark Plug Gap			0.026 ~ 0.033 in. (0.65 ~ 0.85 mm)	
Transmission	Transmission		CVT + Gearbox	
	Gear Shift/Order		Electric / L—H—N—R—P	
	CVT Ratio		0.85 ~ 3.24	
	Gear Ratio	Low Gear	39/15= 2.6	
		High Gear	35/24= 1.458	
		Reverse	39/17= 2.294	
Chassis Frame			Steel tube	
Tires:				
Type			Tubeless	
Front			29 × 9.00 R14 8PR 84J	
Rear			29× 11.00 R14 8PR 90J	
Wheel Bolt Pattern			5×114.3 mm	

SPECIFICATIONS

Item	U10 PRO	U10 PRO HIGHLAND
Tire Pressure:		
Front	22 PSI (150 kPa)	22 PSI (150 kPa)
Rear	22 PSI (150 kPa)	22 PSI (150 kPa)
Brake System:	Front: Double-disc / Rear: Double-disc	
Foot Brake Type / Operation	Foot operated Four wheel hydraulic disc brake	
Parking Brake Type / Operation	Operated by switch Rear wheel electronic disc brake only	
Brake Fluid Type	DOT 4	
Suspension:		
Front Suspension	Double A-arm independent	
Rear Suspension	Double A-arm independent	

SPECIFICATIONS

Item	U10 PRO	U10 PRO HIGHLAND
Shock Absorber:		
Front Shock Absorber	Coil spring / Oil dampened	
Rear Shock Absorber	Coil spring / Oil dampened	
Wheel Travel:		
Front Wheel Travel	11 in. (280 mm)	
Rear Wheel Travel	10.2 in. (260 mm)	
Electrical System:		
Ignition	Electronic	
Charging	Rectified A/C 900 Watt @ 5000 rpm	
Battery	12 Vdc / 30 Amp Hr	

SPECIFICATIONS

Item	U10 PRO	U10 PRO HIGHLAND
Fuses - Box 1 (See page 238)	EPS - 60A Fan - 40A Signal control A - 5A Signal control B - 10A Signal control D - 10A Back-up 1 / 2 - 25A Brake / Gear - 5A BCM 1 / BCM 2 - 20A Backup fuse - 25A / 30A / 10A / 5A	EPS - 60A Fan - 40A Signal control A / B - 5A / 10A Signal control C - 5A Signal control D - 10A Back-up 1 / 2 - 25A Brake / Gear - 5A BCM 1 / BCM 2 - 20A Backup fuse - 25A / 30A / 10A / 5A Blower - 30A
Fuses - Box 2 (See page 240)	GBC - 20A Hydraulic motor - 50A EPB-L / EPB-R - 20A Pump - 10A EFI - 15A Backup fuse - 20A / 15A / 10A / 30A	Window motor-R - 30A Rain wiper - 15A GBC - 20A Hydraulic motor - 50A Glass lifting - 40A EPB-L / EPB-R - 20A Pump - 10A EFI - 15A Window motor-L - 30A Backup fuse - 20A / 15A / 10A / 30A

SPECIFICATIONS

U10 XL PRO / U10 XL PRO HIGHLAND Specifications

Item	U10 XL PRO		U10 XL PRO HIGHLAND	
Overall Length	147.6 in. (3750 mm)			
Overall Width	63.9 in. (1625 mm)		64.7 in. (1645 mm)	
Overall Height	76.5 in. (1945 mm)			
Wheel Base	112.6 in. (2860 mm)			
Ground Clearance	12.9 in. (330 mm)			
Min. turning radius	212.6 in. (5400 mm)			
Curb Weight	2134.1 lb. (968 kg)		2480.2 lb. (1125 kg)	
Cargo Box Weight Capacity	1000 lb. (454 kg)	California: 600 lb. (272 kg)	1000 lb. (454 kg)	California: 600 lb. (272 kg)
Maximum Vehicle Load Allowed	1614 lb. (732 kg)	California: 1212 lb. (550kg)	1268 lb. (575 kg)	California: 866 lb. (393 kg)
Recommended Towing Capacities: Towing Hitch Weight Trailer and Cargo Weight	123.4 lb. (56 kg) 2500 lb. (1134 kg)			
Engine Model And Type	380Y-3			
Type	3 Cylinder in-line, 4-stroke, liquid-cooled, 12 valves, DOHC			

SPECIFICATIONS

Item	U10 XL PRO	U10 XL PRO HIGHLAND
Bore × Travel	3.15 in. (80 mm) × 2.61 in. (66.2 mm)	
Displacement	998 cc	
Compression Ratio	11.0 : 1	
Starting Type	Electric start	
Lubrication Type	Pressure / Splash lubrication	
Engine Coolant: Type Capacity Mix Ratio:	 CFMOTO uses Organic Acid Technology (OAT) coolant in all liquid-cooled engines. Do not mix with inorganic (IAT) coolant. 8.1 qt. (7.7 L) 50% Coolant / 50% Distilled water	 CFMOTO uses Organic Acid Technology (OAT) coolant in all liquid-cooled engines. Do not mix with inorganic (IAT) coolant. 9.3 qt. (8.8 L) 50% Coolant / 50% Distilled water
Engine Oil: Type Engine Oil Volume: Capacity Change / Oil Filter	 SAE 5W-40 / SAE 0W-40 SP or higher API synthetic oil (See engine oil viscosity chart - page 151) 4.3 qt. (4.2 L) 4 qt. (3.8 L)	
Transmission / Rear Differential Oil Type Capacity:	 SAE 75W-90 GL-5 2.96 qt. (2.8 L)	

SPECIFICATIONS

Item	U10 XL PRO	U10 XL PRO HIGHLAND
Front Differential Oil: Type Volume Periodic Oil Change	SAE 80W-90 GL-5 0.26 qt. (250 ml)	
Air Filter	Paper type	
Fuel Type Fuel Tank Capacity Fuel Reserve Amount At Fuel Gauge 'Flash'(Maximum)	89 octane or higher unleaded gasoline 11.8 gallons (45 L) 1.3 gallons (5 L)	

SPECIFICATIONS

Item			U10 XL PRO	U10 XL PRO HIGHLAND
Spark Plug Type			TORCH BN8RTC	
Spark Plug Gap			0.026 ~ 0.033 in. (0.65 ~ 0.85 mm)	
Transmission	Transmission		CVT + Gearbox	
	Gear Shift/Order		Electric / L—H—N—R—P	
	CVT Ratio		0.85 ~ 3.24	
	Gear Ratio	Low Gear	39/15= 2.6	
		High Gear	35/24= 1.458	
		Reverse	39/17= 2.294	
Chassis Frame			Steel tube	
Tires:				
Type			Tubeless	
Front			29 × 9.00 R14 8PR 84J	
Rear			29× 11.00 R14 8PR 90J	
Wheel Bolt Pattern			5×114.3 mm	

SPECIFICATIONS

Item	U10 XL PRO	U10 XL PRO HIGHLAND
Tire Pressure:		
Front	22 PSI (150 kPa)	22 PSI (150 kPa)
Rear	22 PSI (150 kPa)	22 PSI (150 kPa)
Brake System:	Front: Double-disc / Rear: Double-disc	
Foot Brake Type / Operation	Foot operated Four wheel hydraulic disc brake	
Parking Brake Type / Operation	Operated by switch Rear wheel electronic disc brake only	
Brake Fluid Type	DOT 4	
Suspension:		
Front Suspension	Double A-arm independent	
Rear Suspension	Double A-arm independent	

SPECIFICATIONS

Item	U10 XL PRO	U10 XL PRO HIGHLAND
Shock Absorber:		
Front Shock Absorber	Coil spring / Oil dampened	
Rear Shock Absorber	Coil spring / Oil dampened	
Wheel Travel:		
Front Wheel Travel	11 in. (280 mm)	
Rear Wheel Travel	10.2 in. (260 mm)	
Electrical System:		
Ignition	Electronic	
Charging	Rectified A/C 900 Watt @ 5000 rpm	
Battery	12 Vdc / 30 Amp Hr	

SPECIFICATIONS

Item	U10 XL PRO	U10 XL PRO HIGHLAND
Fuses - Box 1 (See page 238)	EPS - 60A Fan - 40A Signal control A - 5A Signal control B - 10A Signal control D - 10A Back-up 1 / 2 - 25A Brake / Gear - 5A BCM 1 / BCM 2 - 20A Backup fuse - 25A / 30A / 10A / 5A	EPS - 60A Fan - 40A Signal control A / B - 5A / 10A Signal control C - 5A Signal control D - 10A Back-up 1 / 2 - 25A Brake / Gear - 5A BCM 1 / BCM 2 - 20A Backup fuse - 25A / 30A / 10A / 5A Blower - 30A
Fuses - Box 2 (See page 240)	GBC - 20A Hydraulic motor - 50A EPB-L / EPB-R - 20A Pump - 10A EFI - 15A Backup fuse - 20A / 15A / 10A / 30A	Window motor-R - 30A Rain wiper - 15A GBC - 20A Hydraulic motor - 50A Glass lifting - 40A EPB-L / EPB-R - 20A Pump - 10A EFI - 15A Window motor-L - 30A Backup fuse - 20A / 15A / 10A / 30A

Operator Safety

General Safety Precautions

⚠ WARNING
Failure to heed the warnings contained in this manual can result in serious injury or death. This vehicle is not a toy and can be hazardous to operate. This vehicle handles differently from other vehicles, such as 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 CFMOTO vehicles designed to carry passengers.

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.

Equipment Modifications

CFMOTO is 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 for these purposes. Any modifications to the original equipment of the vehicle create a substantial safety hazard and increase the risk of body injury. The warranty on your vehicle is terminated if any unapproved accessory equipment has been added to the vehicle, or if any modifications have been made to the vehicle that increase its speed or power.

NOTE
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

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, such as parking lots, carports or warehouse, etc. Even if you try to use a fan or open a window to ventilate, carbon monoxide can reach a dangerous level.

- Never run the vehicle outdoor where engine exhaust can be drawn into a building through openings such as windows and doors.

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

The recommended fuel for your vehicle is minimum 89 octane or 95(RON) unleaded. Non-oxygenated (ethanol-free) fuel is recommended for best performance in all conditions.

⚠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 contacting these components during and shortly after operation to avoid burns.

Inspection after an accident

After accidents such as a rollover or overturn, have an authorized dealer inspect the entire vehicle for possible damage. The damage might be more serious than it looks.

SAFETY

Owner Responsibilities

Be Qualified and Responsible

Read this Owner's Manual and the warning decals on this vehicle carefully. Take a safety training course on open areas if available. Practice at low speeds. Higher speeds require greater experience, knowledge and suitable riding conditions. Become completely familiar with the operational controls and the general operation of the vehicle.

This vehicle is an ADULT VEHICLE ONLY. Operation is prohibited for anyone under 16 years of age. Operators must be tall enough to be properly seated back against the backrest with the seat belt fastened, able to hold the steering wheel with both hands, still be able to reach the full stroke of the brake and throttle pedals with the right foot, and be able to firmly plant their left foot on the vehicle floor.

Operators may be required to have a proper driver's license in accordance with local laws.

Carrying a Passenger

- Do not carry more passengers than allowed. Passengers must ride in a passenger seat.
- Passengers must be at least 12 years old and tall enough to always be properly seated against the backrest with the seat belt fastened, holding handhold, with both feet firmly planted on the vehicle floor.
- Never carry a passenger who has used drugs or alcohol, or is tired or ill. These slow reaction time and impair judgment.
- Instruct the passenger to read the vehicle's safety labels.
- Never carry a passenger if you judge their ability or judgment is insufficient to concentrate on the terrain conditions and adapt accordingly. More specifically for side-by-side vehicles, the passenger must also pay constant attention to the terrain ahead and be able to brace for bumps.

SAFETY

Riding Carefully

- This vehicle is not a toy and can be hazardous to operate. This vehicle handles differently from other vehicles such as motorcycles or cars. A collision or rollover can occur quickly, during abrupt maneuvers such as sharp turns, acceleration or deceleration, and driving on hills or over obstacles if you fail to take proper precautions.
- Never operate at excessive speeds. Always operate at a speed that is proper for the terrain, visibility, and operating conditions, and your experience.
- Never attempt jumps, side slides, donuts, lift the front wheels from ground or any other stunts.
- Never attempt rapid acceleration or deceleration when performing a sharp turn. This may result in a rollover.
- Never attempt skidding or sliding. If vehicle starts to skid or slide, counter steer in the direction of skidding or sliding. On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding out of control.
- Always be sure there are no obstacles or people behind the vehicle when operating in reverse. Pay attention to blind spots. When it is safe to proceed in reverse, go slowly.
- Never exceed the stated load limits for this vehicle. Cargo must be properly secured. Reduce speed, allow for greater braking distance and follow other instructions in this manual.
- Ensure that cargo is well distributed in the cargo box. Otherwise, it could change the center of gravity and may result in rollover.

SAFETY

Roll Over Protection System (ROPS)

- The ROPS on this vehicle meets the performance requirements of ISO 3471:2008. The ROPS can limit intrusions of outside objects and reduce your risk of injury in rollovers.
- Always follow all safe operating practices outlined in this manual to avoid vehicle rollover.
- Do not put your hands and/or feet outside of the vehicle when driving. The ROPS will not protect you from injury in all rollovers.
- Always have your authorized CFMOTO dealer thoroughly inspect the ROPS if it ever becomes damaged in any way.

Occupant Restraint System

- U10 PRO/ U10PRO HIGHLAND is designed to carry one driver and passengers (Maximum carry two passengers), U10 XL PRO/ U10 XL PRO HIGHLAND is designed to carry one driver and passengers (Maximum carry five passengers) wearing proper protective gear.
- The driver and passenger must latch the side doors or side nets and wear the seat belts at all times when riding.

Terrain Conditions

- Avoid sharp turns, abrupt acceleration and sudden braking when operating on paved surfaces.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating this vehicle. Take the time to learn how the vehicle performs in different environments.
- Never operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control this vehicle on such terrain. Always be especially cautious on these kinds of terrain.

SAFETY

- Never operate this vehicle on hills too steep for the vehicle or your abilities. Practice on small inclines.
- Always follow proper procedures for climbing or going down hills. Never go over the top of any hill at high speed.
- Never attempt steep hills or side hilling when pulling a trailer.
- Always check for obstacles before operating in a new area. Always follow proper procedures when operating over obstacles or fallen trees.
- Never operate this vehicle in deep water or fast flowing water. Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times while driving slowly to let friction dry out the brakes.
- Always ensure to properly park the vehicle on the flattest terrain available. Put the transmission in PARK, stop the engine, and remove the NFC key before leaving the vehicle.
- Never assume that the vehicle will go everywhere safely. Sudden changes in terrain caused by holes, depressions, banks, softer or harder ground, or other irregularities may cause the vehicle to topple or become unstable. To avoid this, slow down and always observe the terrain ahead. If the vehicle begins to topple or rollover, the best advice is to immediately steer in the direction of the rollover.
- Never attempt to prevent a rollover with your arms or legs. Always keep limbs inside the ROPS cage.

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.

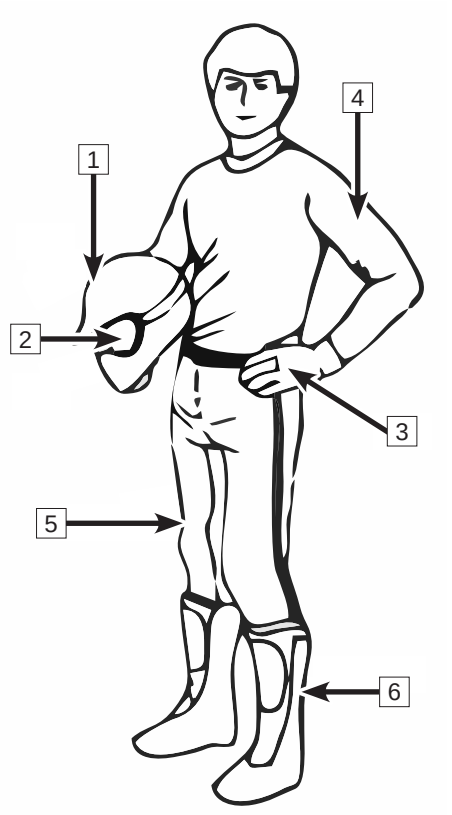
3 Gloves

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.

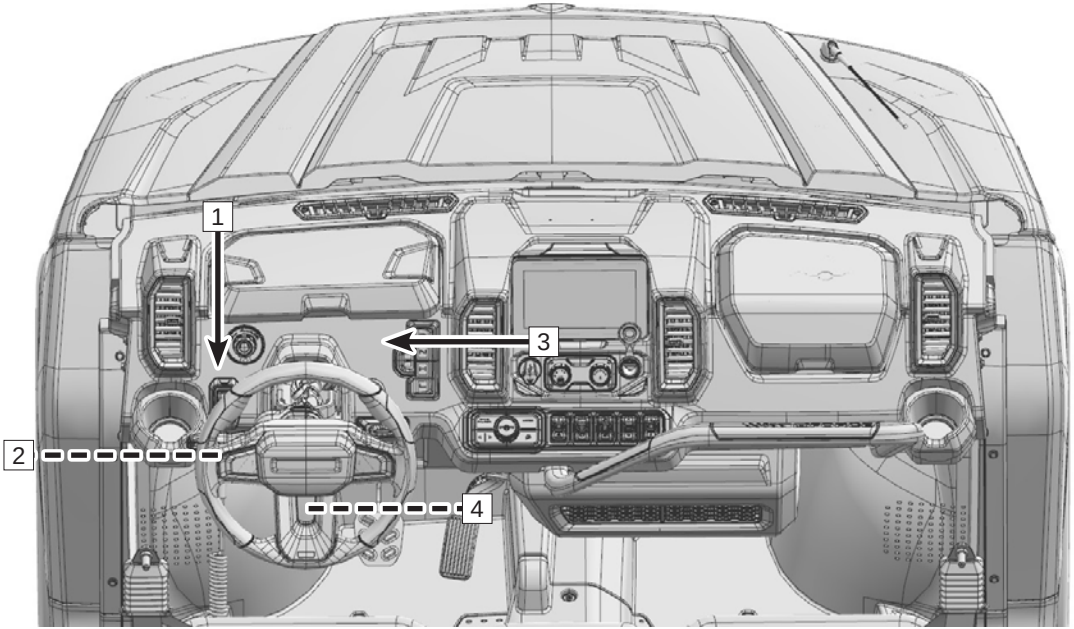
Hearing Protection

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.

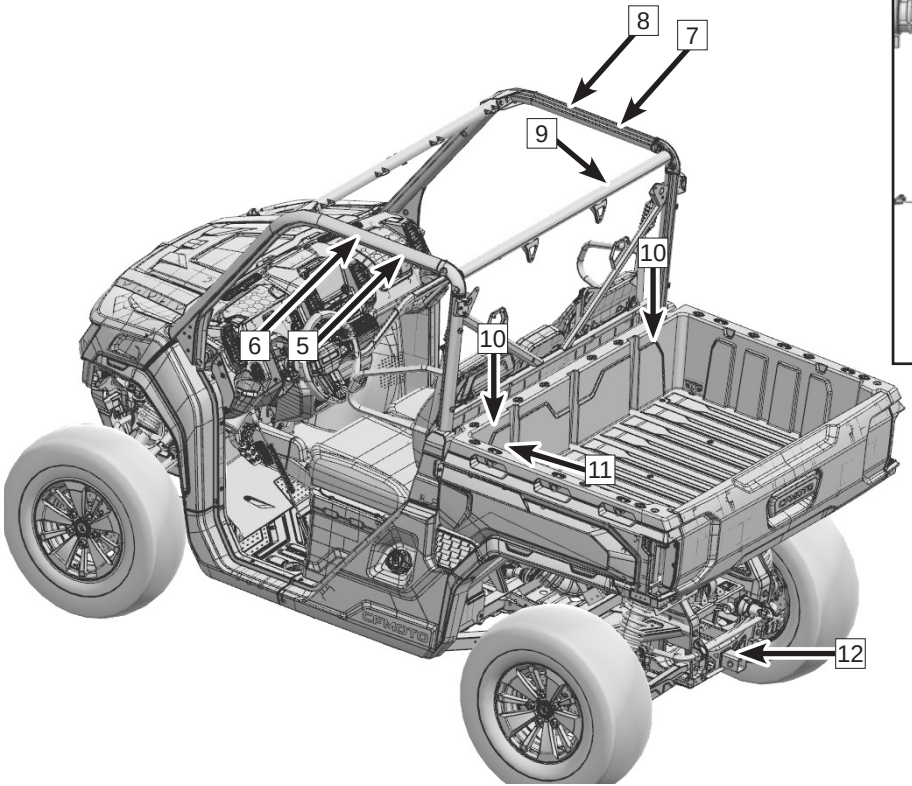
Safety Labels, Locations and Warnings

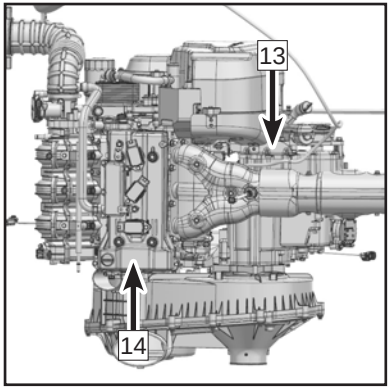
Warning labels have been placed on the vehicle for your protection. Read and follow the instructions on each decal carefully. If a decal becomes illegible or comes off, contact your dealer to purchase a replacement. Read and follow the safety warnings in this manual. Warning labels in the owner's manual are for reference.

U10 PRO / U10 PRO HIGHLAND Safety Labels - 1of 2



U10 PRO / U10 PRO HIGHLAND Safety Labels - 2 of 2





U10 PRO / U10 PRO HIGHLAND Safety Labels

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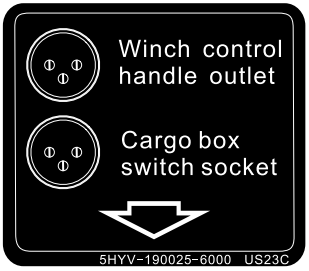

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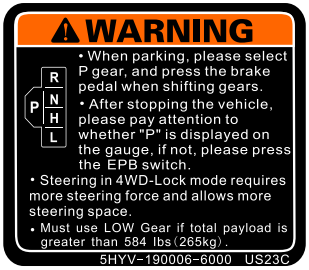

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Select Markets

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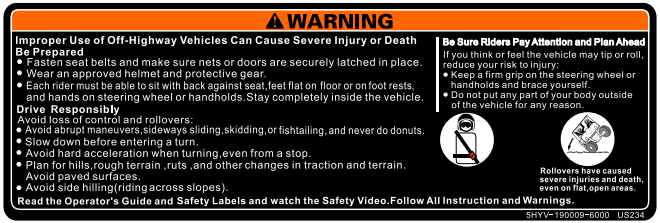

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Non-HVA/C Configuration

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U10 PRO / U10 PRO HIGHLAND Safety Labels

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Non-HVA/C Configuration

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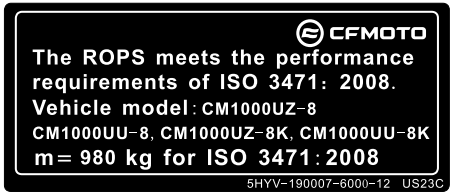

Select Markets

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California

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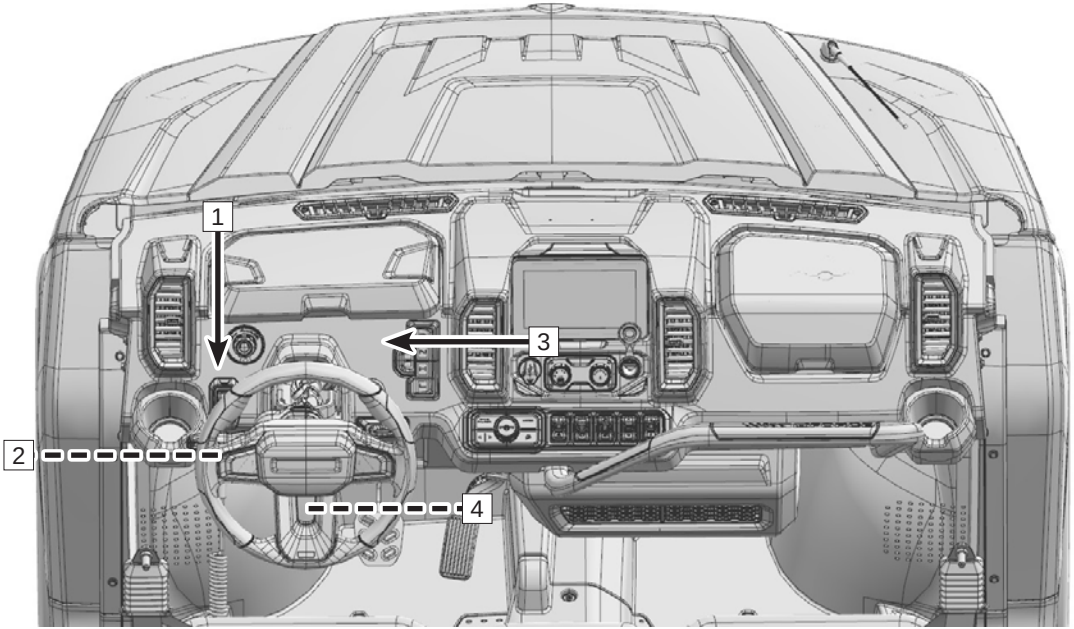
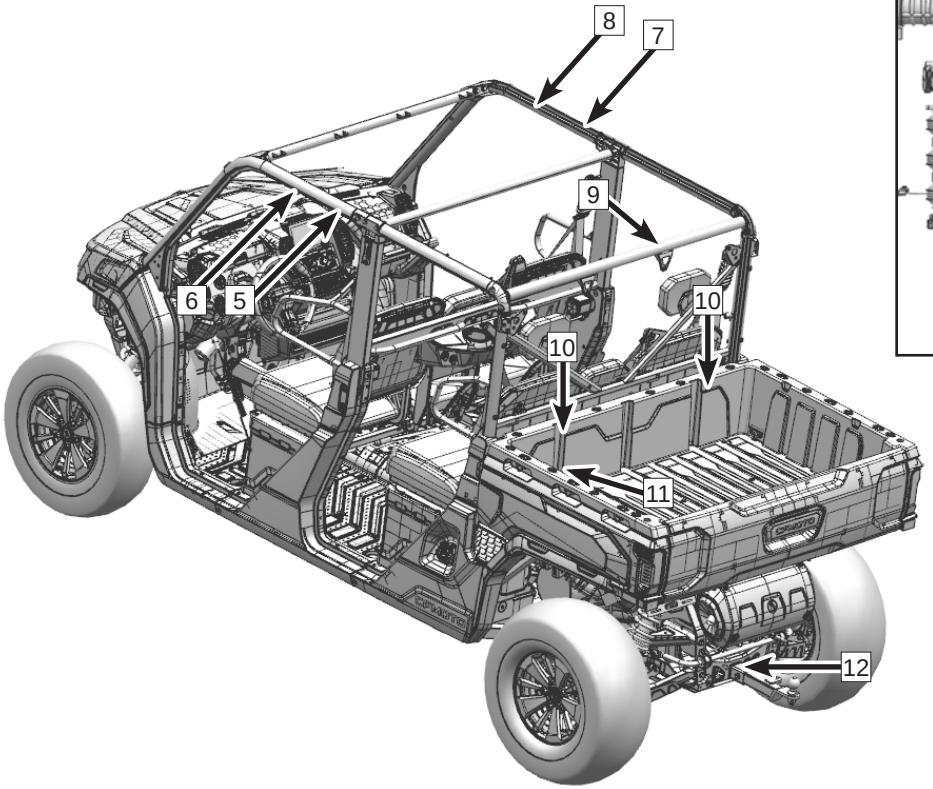
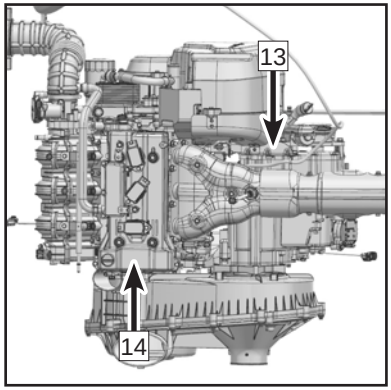
U10 XL PRO / U10 XL PRO HIGHLAND Safety Labels - 1 of 2



U10 XL PRO / U10 XL PRO HIGHLAND Safety Labels - 2 of 2





U10 XL PRO / U10 XL PRO HIGHLAND Safety Labels

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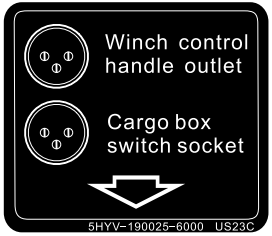

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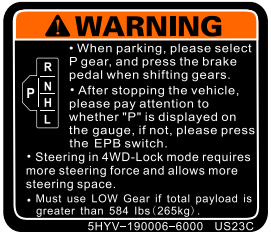

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Select Markets

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Non-HVA/C Configuration

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U10 XL PRO / U10 XL PRO HIGHLAND Safety Labels

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Non-HVA/C Configuration

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Select Markets

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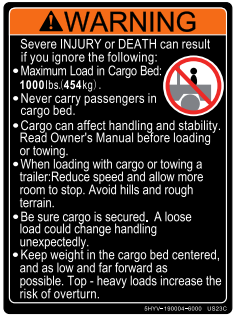

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Potential Hazard Warnings

⚠WARNING

POTENTIAL HAZARD:

Operating this vehicle without proper instruction.

WHAT CAN HAPPEN:

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

HOW TO AVOID THE HAZARD:

Beginning and inexperienced operators should complete a safety training course if offered by 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 vehicle.

WHAT CAN HAPPEN:

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

HOW TO AVOID THE HAZARD:

Operation is prohibited for anyone under 16 years of age.

⚠WARNING

POTENTIAL HAZARD:

Carrying more passengers than the seat capacity.

WHAT CAN HAPPEN:

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

HOW TO AVOID THE HAZARD:

Never allow carrying more passengers than the seat capacity.

⚠WARNING

POTENTIAL HAZARD:

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

WHAT CAN HAPPEN:

All-terrain tires are designed for off-road use. Driving on paved surfaces greatly affects how a vehicle 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 on public highways or streets if it is not allowed by law. Check local laws to determine if it is legal to do so.

⚠WARNING

POTENTIAL HAZARD:

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

WHAT CAN HAPPEN:

Operating 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, long pants, and over-the-calf boots.

⚠WARNING

POTENTIAL HAZARD:

Operating the vehicle 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 a vehicle could result in an accident causing severe injury or death.

HOW TO AVOID THE HAZARD:

Never consume alcohol or drugs before or while operating the vehicle.

⚠WARNING

POTENTIAL HAZARD:

Operating at excessive speeds.

WHAT CAN HAPPEN:

Excessive speed increases the operator's chance of losing control, which can result in an accident.

HOW TO AVOID THE HAZARD:

Always operate at a speed that's proper for the terrain, visibility and operating conditions, and your experience.

⚠WARNING

POTENTIAL HAZARD:

Attempting slides, 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 slides, jumps, or other stunts.

⚠WARNING

POTENTIAL HAZARD:

Failure to inspect the vehicle before operating. Failure to properly maintain the vehicle.

WHAT CAN HAPPEN:

Poor maintenance increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD:

Always inspect your vehicle 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.

⚠WARNING

POTENTIAL HAZARD:

Extending arms, hands, or legs outside the ROPS bars of the vehicle during operation.

WHAT CAN HAPPEN:

Severe injury can occur to arms, hands, or legs if the vehicle overturns or rolls over in an accident.

HOW TO AVOID THE HAZARD:

Always keep arms, hands, or legs inside the vehicle, hands on the steering wheel or hand grip, and keep both feet on the floorboard of the vehicle during operation.

⚠WARNING

POTENTIAL HAZARD:

Failure to use extra caution when operating 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.

⚠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.

⚠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 practiced and learned the skills necessary to control the vehicle on such terrain. Always use extra caution on rough, slippery or loose terrain.

⚠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 vehicle 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. Never open the throttle suddenly while traveling uphill. The vehicle could flip over backwards. Never go over the top of any hill at high speed. An obstacle, a sharp drop, another vehicle, or person could be on the other side of the hill.

⚠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 vehicle 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
Always check the terrain carefully before descending a hill. Never travel down a hill at high speed. Avoid traveling down a hill at an angle. Travel straight down the hill when possible.

⚠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:

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.

⚠WARNING

POTENTIAL HAZARD:

Stalling, rolling backwards 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. Apply the brake. When fully stopped, shift the transmission to the park position, and determine the best way to safely change direction.

IF THE VEHICLE BEGINS ROLLING:

Never apply engine power. Carefully apply the foot brake while rolling backwards. When fully stopped, keep the brake applied, shift the transmission to the park position, and determine the best way to safely change direction.

⚠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 vehicle 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.

⚠WARNING

POTENTIAL HAZARD:

Overloading the vehicle 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 vehicle.

Cargo should be properly distributed and securely attached. Reduce speed and always use low gear 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:

Operating the vehicle through deep or fast-flowing water.

WHAT CAN HAPPEN:

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 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 the brakes several times while driving slowly to dry out the pads.

⚠WARNING

POTENTIAL HAZARD:

Improperly operating in reverse.

WHAT CAN HAPPEN:

The vehicle 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 vehicle. When it's safe to proceed, back slowly.

⚠WARNING

POTENTIAL HAZARD:

Operating this vehicle with improper tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN:

Use of improper tires, or operation of the vehicle 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. Always maintain proper tire pressure.

⚠WARNING

POTENTIAL HAZARD:

Operating the vehicle with improper modifications.

WHAT CAN HAPPEN:

Improper installation of accessories or modification of the vehicle may cause changes in handling which could lead to an accident.

HOW TO AVOID THE HAZARD:

Never modify the vehicle 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 vehicle, and they 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 vehicle falls through the ice.

HOW TO AVOID THE HAZARD:

Never operate the vehicle on a frozen body of water.

SAFETY

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

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

⚠WARNING
Safe operation of this 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.

Controls and Features

Primary Controls

Steering Wheel

The steering wheel 1 is located in front of driver's seat.

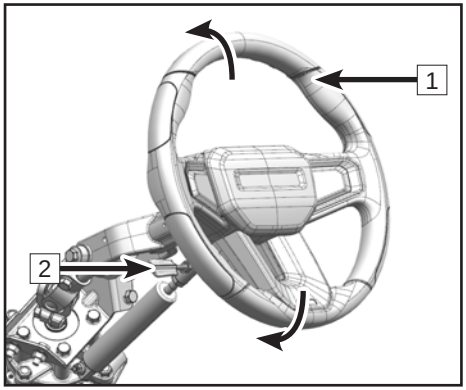
Steering Wheel Adjustment

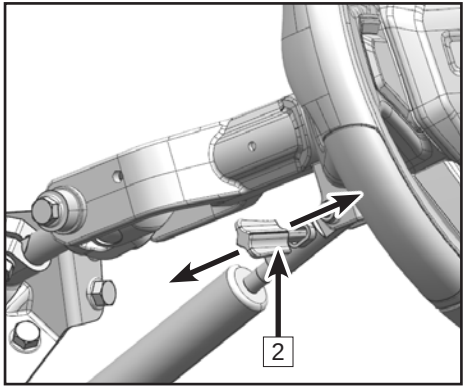
The height of steering wheel is adjustable to suit your driving habits.

To adjust the steering wheel upward: Grasp the tilt lever 2 with the left hand and pull up. Continue to hold the tilt lever and use the right hand to raise the steering wheel up to the desired position. Release the tilt lever 2 to lock the position.

To adjust the steering wheel downward: Grasp the tilt lever 2 with the left hand and pull up. Continue to hold the tilt lever and use the right hand to lower the steering wheel to the desired position. Release the tilt lever 2 to lock the position.

NOTE
After adjustment, shake the steering wheel lightly to ensure the steering wheel is locked. If the steering wheel does not lock, please see an authorized CFMOTO dealer for service.
For your safety, only adjust the steering wheel when the vehicle is completely stopped and the transmission is in Neutral or Park.



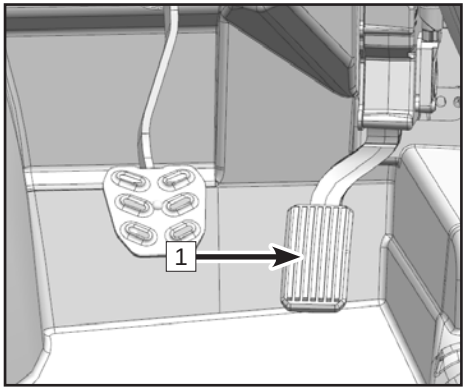


Electronic Throttle Pedal

The Electronic throttle pedal [1] is located to the right of the brake pedal. To control vehicle speed and RPM, press on the throttle with your right foot. Always check the throttle pedal function before driving.

The electronic throttle pedal and throttle body have the following functions:

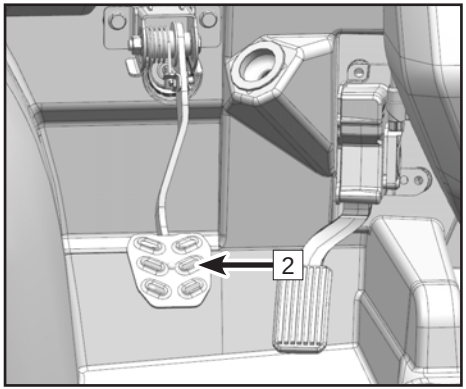
1. Reverse speed limit function: The vehicle speed is limited to 19 mph (30 kph) while it is in reverse gear.
2. Idling function: When the transmission is in Neutral, engine RPM is limited to 5000 rpm.
3. Brake priority function: When the driver applies both brake pedal and throttle pedal at the same time, the throttle body will return to idle automatically.
4. Limp home function: When a fault of the throttle body or throttle pedal is detected, the system will enter into torque limitation or limp home mode. If a fault occurs in the throttle body, the engine will enter into torque limitation and RPM returns back to idle. If a fault occurs in the throttle pedal, the vehicle will enter into limp home mode and the top RPM will be less than 5000.



Brake Pedal

The brake pedal [2] is located to the left of the throttle pedal. Release the throttle pedal and press the brake pedal with your foot to slow or stop the vehicle.

Starting and shifting protection function: Whenever starting the vehicle or shifting the transmission, press the brake pedal with your foot in advance to operate those functions.



Key Slot / NFC Key / START/STOP Button

A key slot [1] is located at the right of steering wheel to fit the NFC key.

The NFC key [2] is required for starting and powering the vehicle.

The START/STOP button [3] is for starting and stopping the engine, and for powering on the vehicle without engine start.

Start the Vehicle:

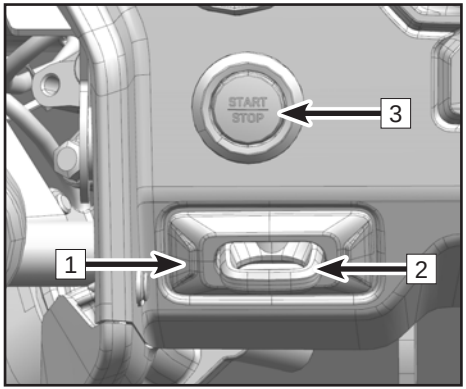
Insert the NFC key [2] into the key slot [1]. With the transmission in "P" or "N" position, press the brake pedal with your foot, then press the “START/STOP” button [3] until the engine starts.

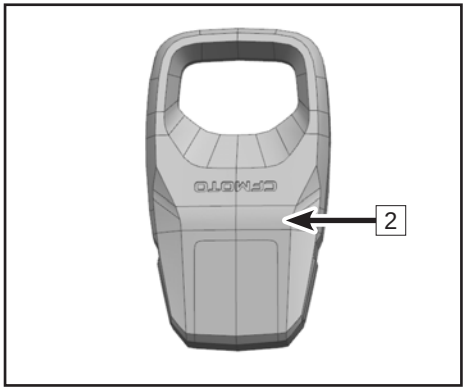
Stop the Vehicle:

Stop the vehicle. With the engine at idle, press the brake pedal with your foot and press the "P" or "N" button to shift the transmission to Park or Neutral, then press the "START/STOP” button [3] to stop the engine.

Vehicle power 'ON':

Insert the NFC key [2] into the slot [1] and press the START/STOP button [3] without pressing the brake pedal. The vehicle will power on but the engine does not start, the MMI instrument is active, and electronic equipment such as the sound system, lighting, etc is available. Press the “START/STOP” button again to turn off the power.





To avoid loss of battery power when the engine is not started for a long period but the vehicle remains powered on, if the vehicle's entertainment system is not in use for more than 10 minutes, the vehicle will automatically power-off to save energy. Before the vehicle powers off, the MMI instrument will display a window 30 seconds beforehand to remind users and provide a choice to delay power-off.

NFC Key Pairing

Contact your CFMOTO dealer for any of the following NFC key issues:

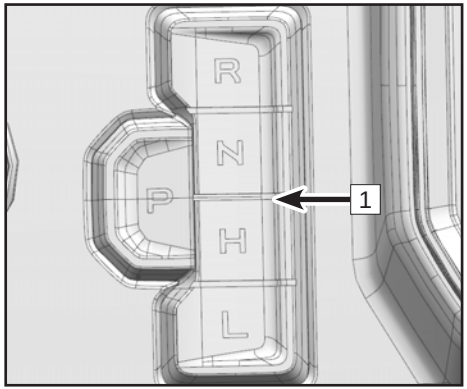
1. If the NFC key does not allow the vehicle to be powered on or started.
2. If the vehicle is paired with one NFC key and another needs to be added.
3. If the vehicle is paired with one NFC key and one is lost.
4. If the vehicle is paired with two NFC keys and both are lost.

In most instances, new NFC keys can be purchased and programmed at your CFMOTO dealer.

Electronic Transmission Shift Control

An electronic transmission shift control panel [1] is located in front of the driver seat. Use for changing the transmission gear selection.

When the vehicle is powered on and the engine started, press the brake pedal, then press the desired control button to complete the desired transmission gear shift.



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 damaging the CVT system, always use low gear when; constant slow speeds are below 19 mph (30 kph), pulling a trailer, carrying heavy cargo, going over obstacles, or driving up and down steep hills.

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

N – Neutral: In neutral, the engine power output is disengaged.

R – Reverse: Reverse gear allows the vehicle to go backwards. Speed is limited in reverse.

P – Park: Park automatically locks the gearbox to help prevent vehicle movement.

NOTE
If the battery becomes discharged, it will cause the transmission to become inoperable. Please charge the battery or connect an external power supply to the vehicle to enable transmission shifting.

'Park Default'

When the vehicle is stopped safely and turned off, no matter the transmission gear position, upon pressing the stop button the transmission shifts to Park and applies the electronic parking brake (EPB) automatically. Verify the transmission is in Park and the electronic parking brake is engaged before leaving the vehicle.

Gearshift Malfunction

If a malfunction occurs when the vehicle is shifted from Park, try to force-release the Park position.

Operation: Press and hold the 'N' button for 3 seconds, then release the button, then press the same button 3 times in 3 seconds.

⚠ CAUTION
If force-releasing Park position does not resolve the issue after several attempts, please contact your dealer.

NOTE
In reverse operation, the engine's RPM is limited to a reverse speed under 19 mph (30 km/h).

⚠ WARNING
Use extreme caution driving downhill in reverse. Gravity can increase the vehicle speed above the set limited reverse speed.

⚠ WARNING
Always shift to PARK (P) position when the vehicle is not in operation. The vehicle can roll if the transmission is not set to 'P'. Always use the electronic parking brake as an additional precaution to prevent vehicle movement.

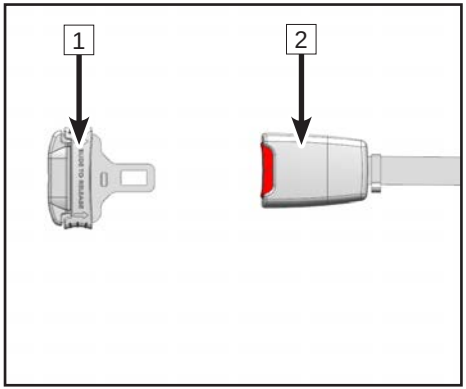
Safety Belts

This vehicle is equipped with three-point safety belts for the driver and passengers. Please make sure all safety belts are fastened safely before operating the vehicle.

⚠WARNING
Falling from a moving vehicle will lead to serious injury or death. Always fasten the seat belts before operating or driving the vehicle.

Follow these steps to fasten the safety belts:

- For three-point safety belt, pull down the belt lock plate 1 across the shoulder, chest and hip without any twist.
- Insert lock plate 1 into the latch 2 until it sounds a click.
- Loosen a little of the safety belt and allow it to self-tension automatically.
- Press the red button to open the safety belt latch.



Secondary Controls

Hazard Switch (If equipped-available only in select markets)

When the hazard switch is in use, the front and rear turning lights will flash. At the same time, the hazard switch indicator on the instrument will light up.

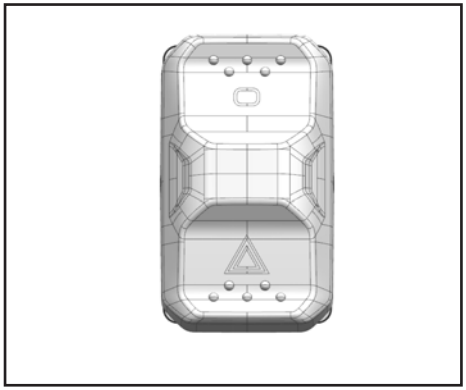
Dimmer Switch

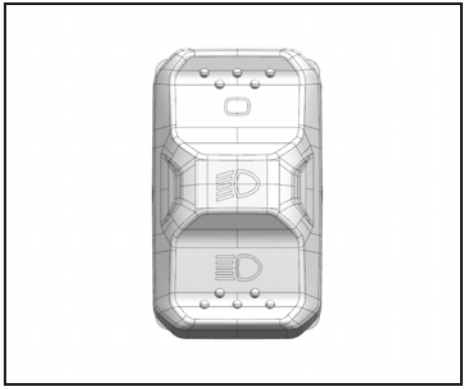
The dimmer switch consists of 3 positions, press the corresponding button section to select the following functions:

○	When the switch is on this position, all the lights are off.
	When the switch is on this position, the position lights (If equipped)/tail lights, and low beams are on.
	When the switch is on this position, the position lights (If equipped)/tail light, low beams and high beams are on.

NOTE
Before operating the headlights, ensure the vehicle engine is powered on to prevent draining the battery power.

⚠ CAUTION
Do not use the headlights with the vehicle powered on 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.



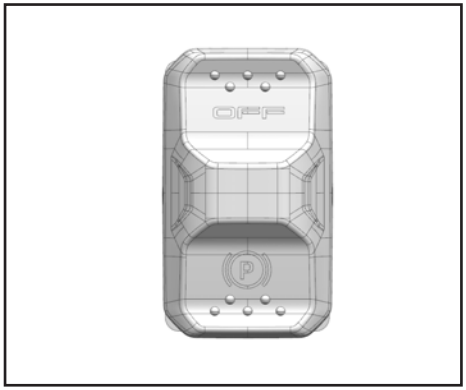


EPB (Electronic Park Brake) Switch

EPB System Operation

Enable the EPB:

With the vehicle powered on or engine running and EPB is not enabled, apply the foot brake and press the switch '(P)'. The EPB will enable the parking brake and the indicator '(P)' on the dashboard will turn on.



Release the EPB:

With the vehicle powered on or engine running and EPB is enabled, apply the foot brake and shift the transmission into any gear except Park, then press 'OFF'. The EPB will release the parking brake and the indicator '(P)' on the dashboard will turn off.

Release the EPB automatically:

With the engine running and EPB enabled, shift the transmission into forward/reverse gear, then press the throttle pedal. The EPB will release automatically, and the parking indicator ' (P) ' will turn off.

EPB default activation when shifting to Park:

When the vehicle is powered on or engine running, the transmission is not in park, and EPB is not enabled, if the transmission is shifted to Park, the EPB will activate automatically and the parking indicator ' (P) ' will turn on.

EPB on when the vehicle is off

When the vehicle is powered on/engine is started, the vehicle's EPB is not enabled and is in an idle state. When the vehicle is off, EPB is activated automatically.

EPB function while driving

When driving the vehicle and the speed meets the requirements (speed >3 Mph [4 Km/h] to ≤19 Mph [30 Km/h), long-pressing the EPB "Ⓟ" and holding it will provide a certain braking force to the rear brakes only and reduce the speed.

NOTE
It is recommended to apply the foot brake to reduce speed instead of using the EPB. If the speed is ≤3 Mph (4 Km/h) or >19 Mph (30 Km/h), this function cannot be used.

Release the EPB to perform maintenance (Maintenance Mode / Diagnostic mode):

Maintenance Mode

When vehicle is powered on, the vehicle is at an idle state with the transmission in Park and EPB is enabled, long-press the upper part of EPB 'OFF' for 10~15 seconds and then release it, then press 'OFF' again in 3 seconds. The EPB will be released for maintenance.

Diagnostic Mode

When vehicle is powered on, the vehicle is at an idle state with the transmission in Park and EPB is enabled, a CFMOTO Dealer can use the diagnostic tool to send a request to the EPB controller to release for maintenance.

NOTE
It is normal to have noise from the motor at the rear wheel when performing a EPB release function. It is also normal for the EPB motor to operate for a longer period of time after performing maintenance. During maintenance, other functions of the EPB cannot be used. To exit this function requires the vehicle to be powered on again. After the vehicle is re-connected, the EPB system will automatically perform a Park → Release → Park function, which is used to adjust the internal structure of the EPB calipers and return the parked state.

EPB Failure Mode Function

When the vehicle is powered on and in park state, if the brake signal failure/throttle pedal signal failure network is disrupted, long press EPB 'OFF' > 5 seconds, the EPB operates a release. The park indicator '(P)' will turn off.

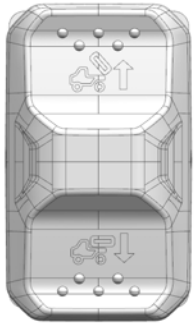
NOTE
If the brake signal failure / throttle pedal signal failure / network is disrupted, other methods cannot release the parking brake. This method can help to release it. This function can be used if the three situations have occurred.

⚠CAUTION
When the vehicle is hauling, is heavily loaded, or is parked on a steep slope, do not rely solely on the transmission park function. It is strongly recommended to use the electronic parking brake function and place a limiting block (not provided) or other object such as a rock in the downhill direction to block the wheels and prevent the vehicle from rolling. It is recommended to park the vehicle on level ground. The vehicle cannot be driven without the electronic parking brake disengaged.

⚠CAUTION
If the battery or electrical system fails during operation, the electronic parking brake and transmission gear shift control cannot function. For safety, if the parking brake or transmission park feature was not enabled before electrical power was lost, ensure the vehicle is stopped in safe area and use limiting blocks (not provided) or other objects such as rocks to block the wheels and prevent the vehicle from rolling. Contact an authorized CFMOTO dealer for service as soon as possible.

Cargo Box Dump Switch

	When the vehicle is powered on or the engine is started, long-press the arrow on the switch“  ” to raise the cargo box. Release the switch when it is fully raised.
	When the vehicle is powered on or the engine is started, long-press the arrow on the switch “  ” to lower the cargo box. Release the switch when it is fully lowered.



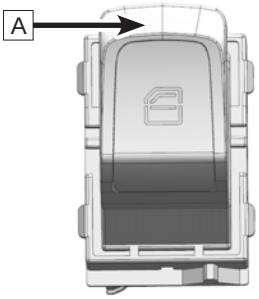
NOTE
During raising and lowering, the cargo box will suspend in position whenever the button is released.

⚠WARNING
Do not unload the cargo box on an uphill angle, which could easily cause a topple or overturn. Always unload on flat and level ground with the vehicle parked safely and stably. Before pressing down the dump switch, check the surrounding environment to ensure there are no people or obstacles that could get caught or pinched between the cargo box and frame during unloading.

Window Switch (If equipped)

When the vehicle is powered on or the engine is started, the power windows on the left and right doors can be controlled by two control buttons on the driver's side door (the front switch controls the driver's window, and the rear switch controls the passenger window). The passenger door has one button only for controlling the passenger window.

	Press at point A to lower the glass. Release the button when the glass stops lowering.
	Pull at point A to raise the glass. Release the button when the glass stops raising.



NOTE
During raising and lowering, the window will suspend in any position whenever the button is released.

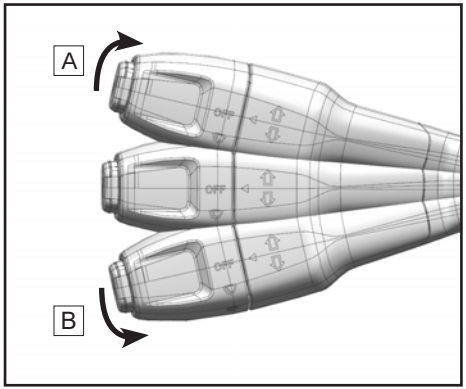
⚠CAUTION
Do not press several buttons at the same time. The current draw may become too large and damage the lifting structure.

⚠WARNING
The driver should ensure that the passenger operates the power window correctly. Immediately press the corresponding button to lower the window in the event an object or body part obstructs the window area during raising or lowering. Do not place arms or head outside the window during riding, which may result in serious injury. Do not allow objects to extend through the window area at any time.

Combination Switch (If equipped - available in select markets)

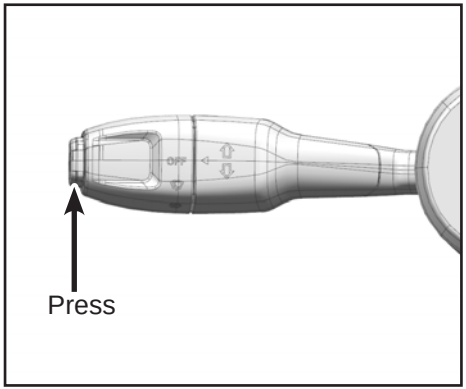
Turning Lights

⇧	Lift up in arrow direction A beyond the point of resistance to activate right turning light flashing. The indicator will flash on the instrument Toggle the combination switch in reverse to cancel the right turning light.
⇩	Push down in arrow direction B beyond the point of resistance to activate left turning light flashing. The indicator will flash on the instrument. Toggle the combination switch in reverse to cancel the left turning light.



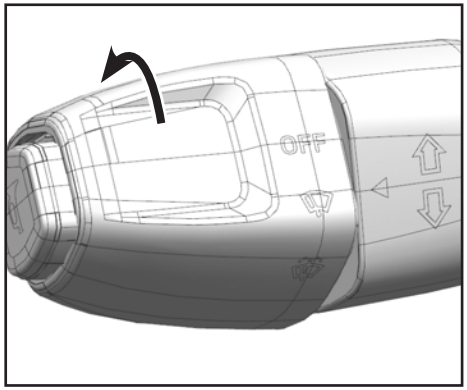
Horn Switch (If equipped)

	Press the icon button to sound the horn. Release the icon button to turn off the horn.



Windshield Wiper (If equipped)

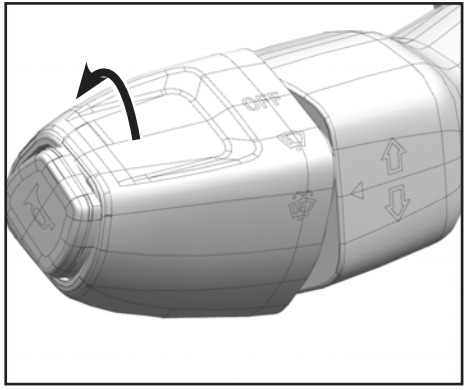
Rotate the knob in the arrow direction to align the icon “” with “” to turn on and operate the wiper. Rotate the knob in reverse, and align "OFF" with “” to turn off the wiper.



NOTE
In a cold environments, wipe off snow, frost or other debris from the windshield, wiper arm and wiper blade before turning on the wiper.
Do not use the wiper in extremely dry conditions. Ensure that the wiper is not stuck in extremely hot or cold conditions.

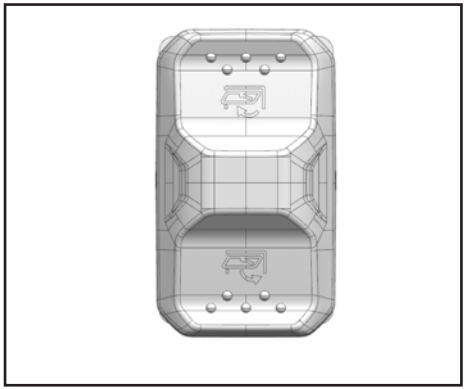
Clean the Front Windshield (If equipped)

Rotate the knob in the arrow direction to align the icon “” with “” to active wiping while spraying washer fluid from the wiper blade. Rotate the knob in reverse and align “OFF” with “”. The washer fluid stops spraying, cleaning is over, and wiping stops.



Windshield Switch (If equipped)

	When the vehicle is powered on or the engine is started, long-press“” to open the front windshield. Release the button when the front windshield is fully open.
	When the vehicle is powered on or the engine is started, long-press “” to close the front windshield. Release the button when the front windshield is fully closed.

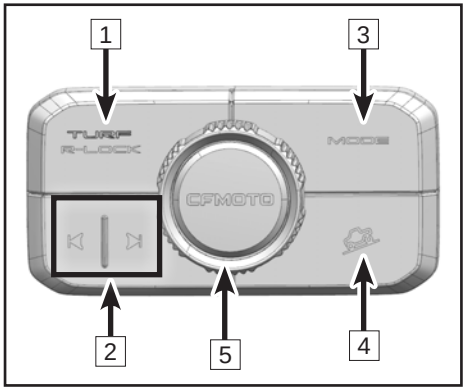


NOTE
During opening and closing, the front windshield will suspend in position whenever the button is released.

Multi-function Switch Panel

Rear Differential Switch (TURF / R-LOCK) - 1

Press button (1) to turn on R-LOCK mode. The indicator '' will turn on. When the rear differential is in R-LOCK, both rear axles are locked together and rotate the rear wheels at the same speed to provide maximum rear wheel traction. Turning effort and tire wear will be increased on hard surfaces.



Press button (1) again to release R-LOCK and return to TURF mode. **NOTE:** If R-LOCK mode does not release or the indicator '  ' is still on, put the vehicle in forward gear and move slowly. At the same time, swing the steering left and right gently, which can help the rear differential properly disengage until the R-LOCK indicator '  ' light turns off).

⚠CAUTION
Starting or releasing the rear-differential LOCK mode should be performed when the vehicle is stopped, which may result in a mechanical malfunction or people get injured or death.

Up and Down Button - 2

When the multi-media is played, press '  ' to shift the previous song or previous radio station. Press '  ' to shift to the next song or radio station. When a call is incoming, press '  ' to reject/hang up the call, and press '  ' to pick up the call.

Drive Mode Switch (MODE) - 3

Press button 3 to switch the drive mode between 'WORK' and 'NORMAL'.

When the vehicle is in 'WORK' mode, the dashboard will shift to 'WORK' mode as well. The vehicle will have a less aggressive throttle response for smooth starts and is intended for flat trails, hard pack ground. etc. Use for light-duty riding.

⚠CAUTION
Do not use this mode for driving situations that place high load on the CVT belt. Damage may occur.

When the vehicle is in ‘NORMAL’ mode. The dashboard display will shift to ‘NORMAL’ mode. The vehicle will have a faster throttle response and is intended for work loads, complex terrain or trails, and other driving situations that can place a high load on the CVT belt.

DAC (Downhill Assist Control)  - 4

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.

Turn ON: Before operating downhill, press the button 4 (see image - page 78) to turn on this feature (Wait until the icon turns on).

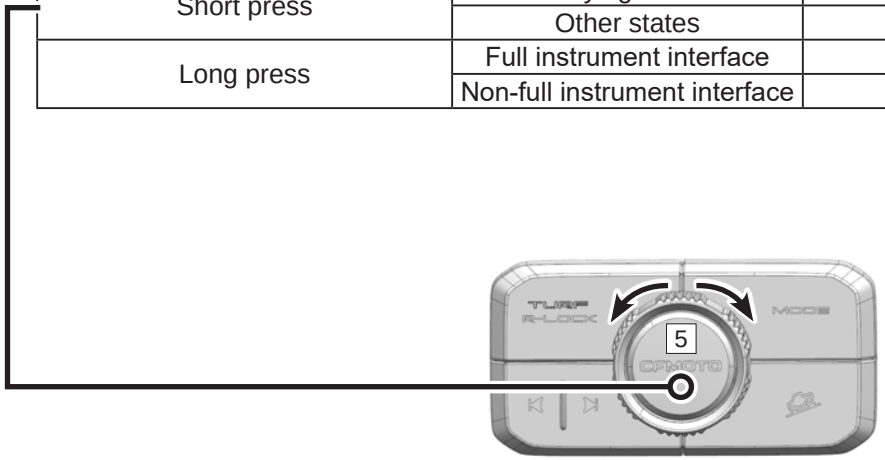
Turn OFF: When the vehicle is stopped completely, press the button 4 to turn off this feature.

⚠WARNING
DAC use:
Do not solely depend on DAC, this feature will not extend the vehicle's performance. Always stay alert to changing terrain conditions to ensure operating safety.
System limitations:
The system is not recommended for use on the following road/terrain conditions, or it may lead to accidents or personal injury. • Slippery, muddy roads or terrain • Icy roads or terrain • Pothole surfaces (such as gravel or uneven roads and terrain)

CONTROLS AND FEATURES

Knob Switch - 5

Operation	Scene	Function
Rotate to the left	Non-application center interface	Decrease the volume
Rotate to the right		Increase the volume
Short press	Playing music	Pause / Play
	Other states	--
Long press	Full instrument interface	Exit full instrument interface
	Non-full instrument interface	Enter full instrument interface

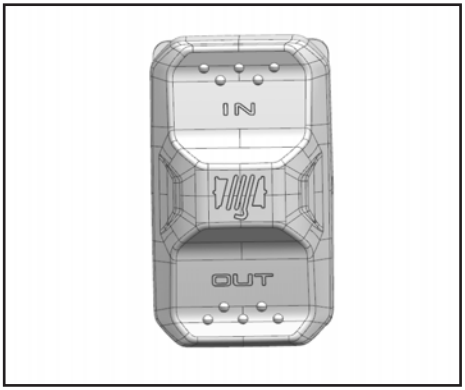


Winch Switch

OUT	With the vehicle powered on and the engine started, long-press position '**OUT**'. The winch cable will extend.
IN	With the vehicle powered on and the engine started, long-press position '**IN**'. The winch cable will retract.

⚠DANGER
Operating the winch improperly will cause accidents resulting in serious injury or death. Please refer to 'winch operation' in this manual for proper winch operation and cautions.

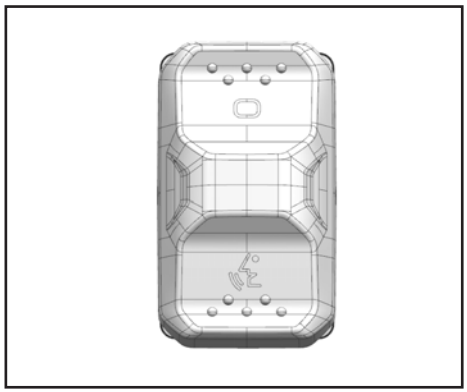
NOTE
To preserve battery power, always operate the winch with the engine running.



Voice Recognition (VR) Switch

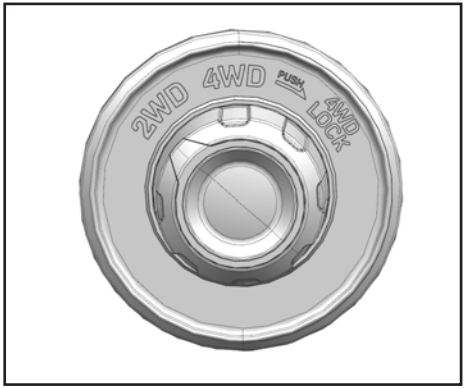
	When the vehicle is powered on or the engine started, press this position '  ' (not online) to activate/turn off VR voice (English use only).
	When the vehicle is powered on or the engine started，long press this position '  ' (not online) to activate Siri (Ensure that CarPlay is connected).

NOTE
This function can be used after a Bluetooth helmet is connected.



2WD / 4WD / 4WD-LOCK Switch

This vehicle is equipped with an on-command “2WD” / ”4WD” optional “4WD-LOCK” switch on the right upper side of the dashboard. Select the appropriate drive mode according to terrain and conditions:



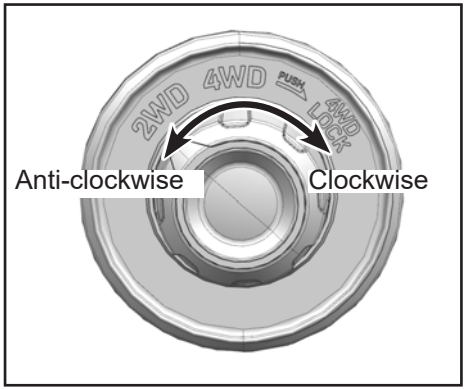
2WD: When the switch is on this position, power is supplied to the rear wheels only.

4WD: When the switch is on this position, power is supplied to both front and rear wheels. The front wheels operate in 'limited slip' mode.

4WD-LOCK: When the switch is on this position, power is supplied to the rear and front wheels and the front differential is locked. Unlike 4WD, both front wheels turn at the same speed to provide maximum front wheel traction. Turning effort and tire wear will be increased on hard surfaces.

⚠CAUTION
The vehicle must be stopped to engage or disengage 2WD / 4WD and 4WD-LOCK. Mechanical damage may occur if the switch is engaged or disengaged while driving.

On-Command 2WD / 4WD / 4WD-LOCK Switch Operation:



To shift from 2WD '' to 4WD: Stop the vehicle. Turn the switch to the middle position. The 4WD indicator '' on the dashboard will light up.

To shift from 4WD '' to 4WD-LOCK '' (Diff-Lock): Stop the vehicle, push in the switch and rotate to the right. The 4WD-LOCK indicator '' on the dashboard will light up. When the front differential is locked, the front axles and wheels are locked together and rotate the at the same speed to provide maximum traction. Steering will require greater effort in 4WD-LOCK mode (Do not turn the steering sharply or apply the throttle suddenly in a full left or right turn).

To shift from 2WD '' to 4WD-LOCK '': Stop the vehicle, rotate the switch to the middle position, then push in the switch and rotate the switch to the right. The 4WD-Lock indicator '' on the dashboard will light up.

To shift from 4WD-LOCK '' to 4WD '': Stop the vehicle and rotate the switch from the right to the middle position. If the 4WD indicator '' light is on, the shift is successful.

If the 4WD-LOCK indicator '  ' remains on, shift to forward gear and gently move forward slowly while swinging the steering wheel left and right. This can help the front gear case properly disengage until the 4WD indicator '  ' is on.

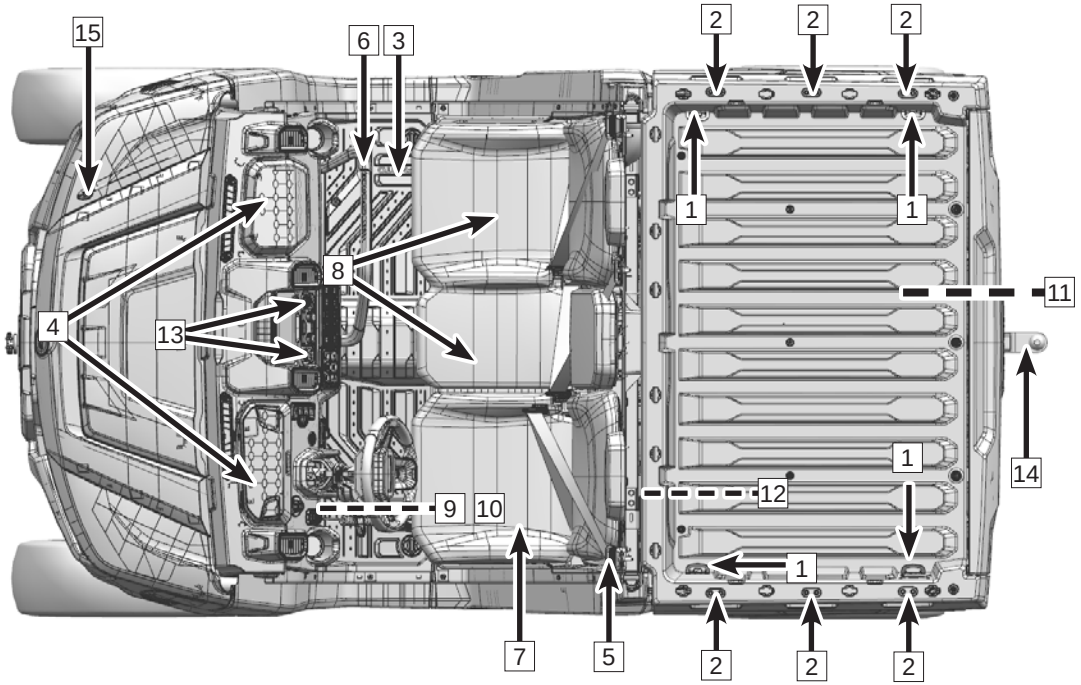
To shift from 4WD '  ' to 2WD '  ': Stop the vehicle, and rotate the switch to the left. The 2WD indicator '  ' on the dashboard will light up. Refer to the disengagement method if the 4WD indicator '  ' remains on.

To shift from 4WD-LOCK '  ' to 2WD '  ': Stop the vehicle, rotate the switch to the left position. If shift the 2WD indicator '  ' is on, the shift is successful.

If the shift is unsuccessful, shift to forward gear and move forward slowly while swinging the steering wheel left and right, which can help the front gear case properly shift. The front gear case will shift from 4WD-LOCK '  ' to 4WD '  ', then to 2WD '  '.

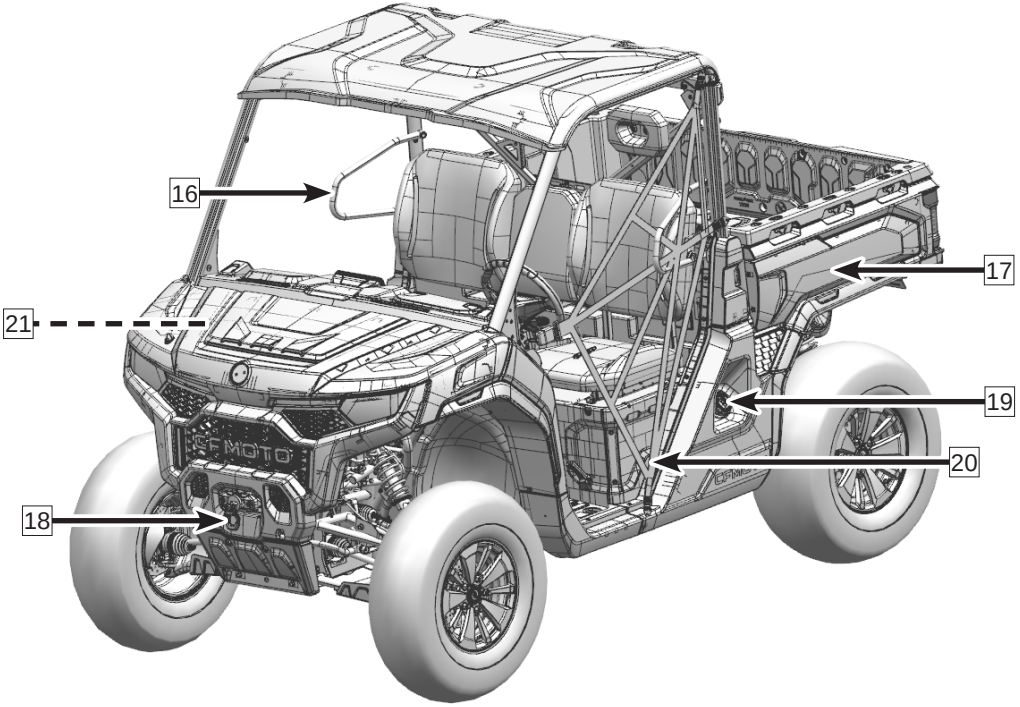
Vehicle Features - U10 PRO / U10 PRO HIGHLAND

Feature Locations (1of 3)



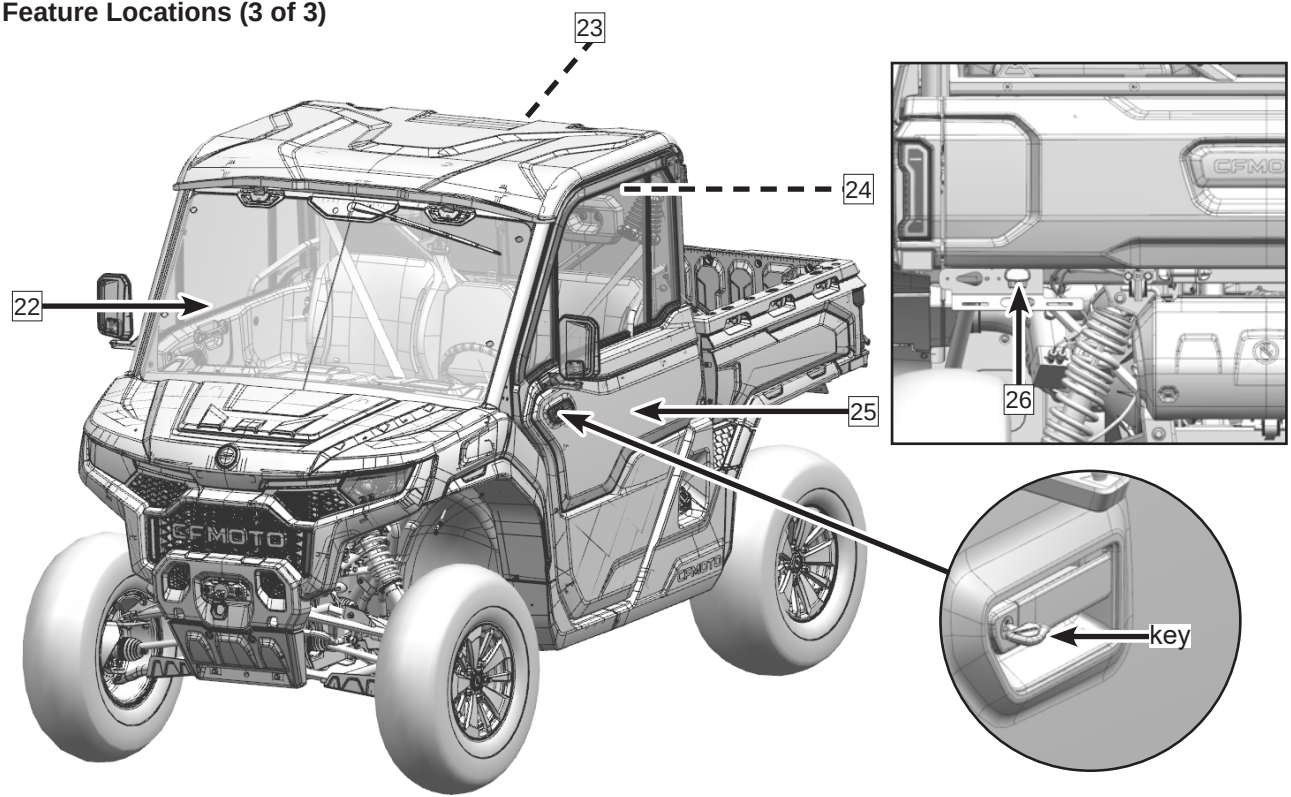
CONTROLS AND FEATURES

Feature Locations (2 of 3)



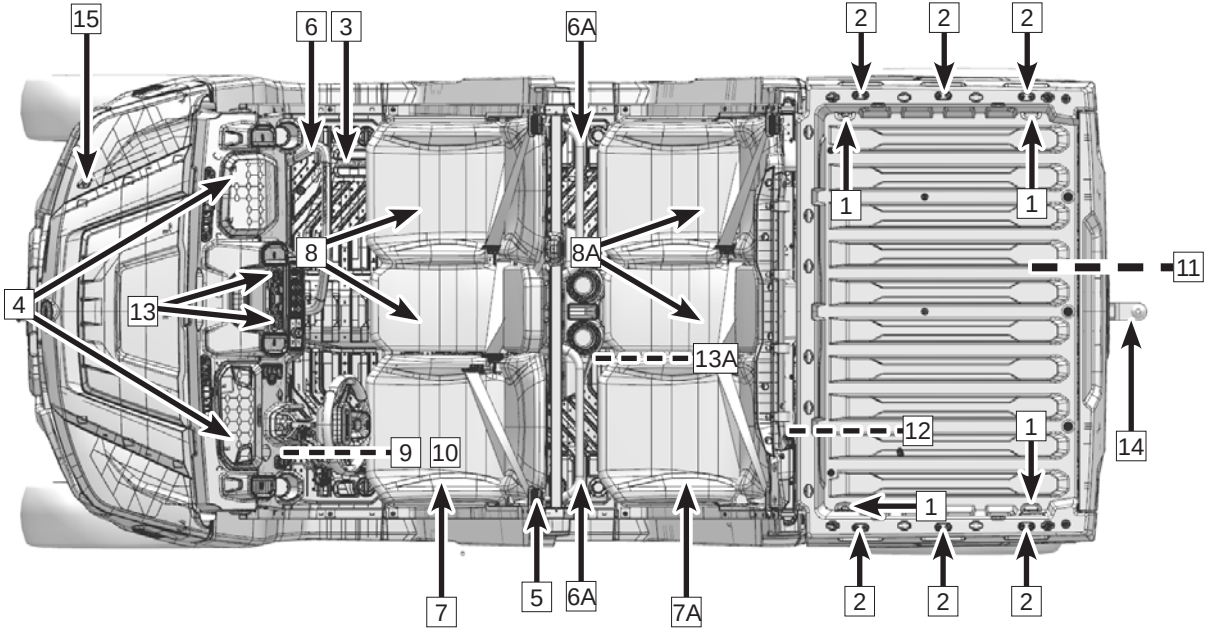
CONTROLS AND FEATURES

Feature Locations (3 of 3)



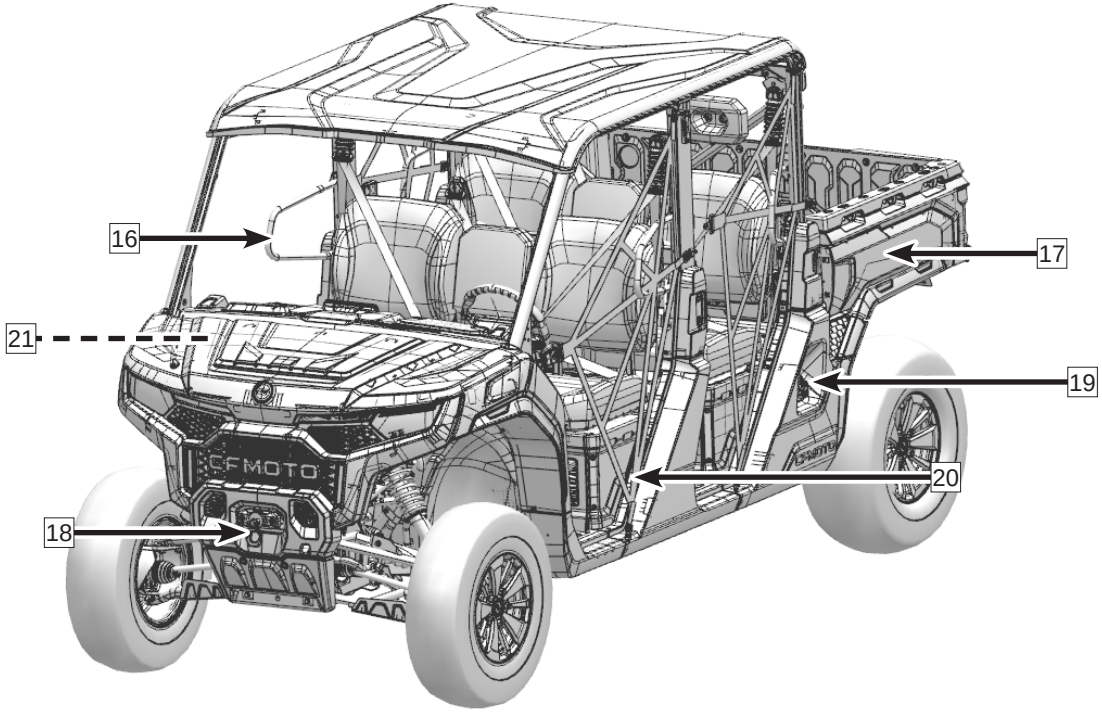
Vehicle Features - U10 XL PRO / U10 XL PRO HIGHLAND

Feature Locations (1 of 3)



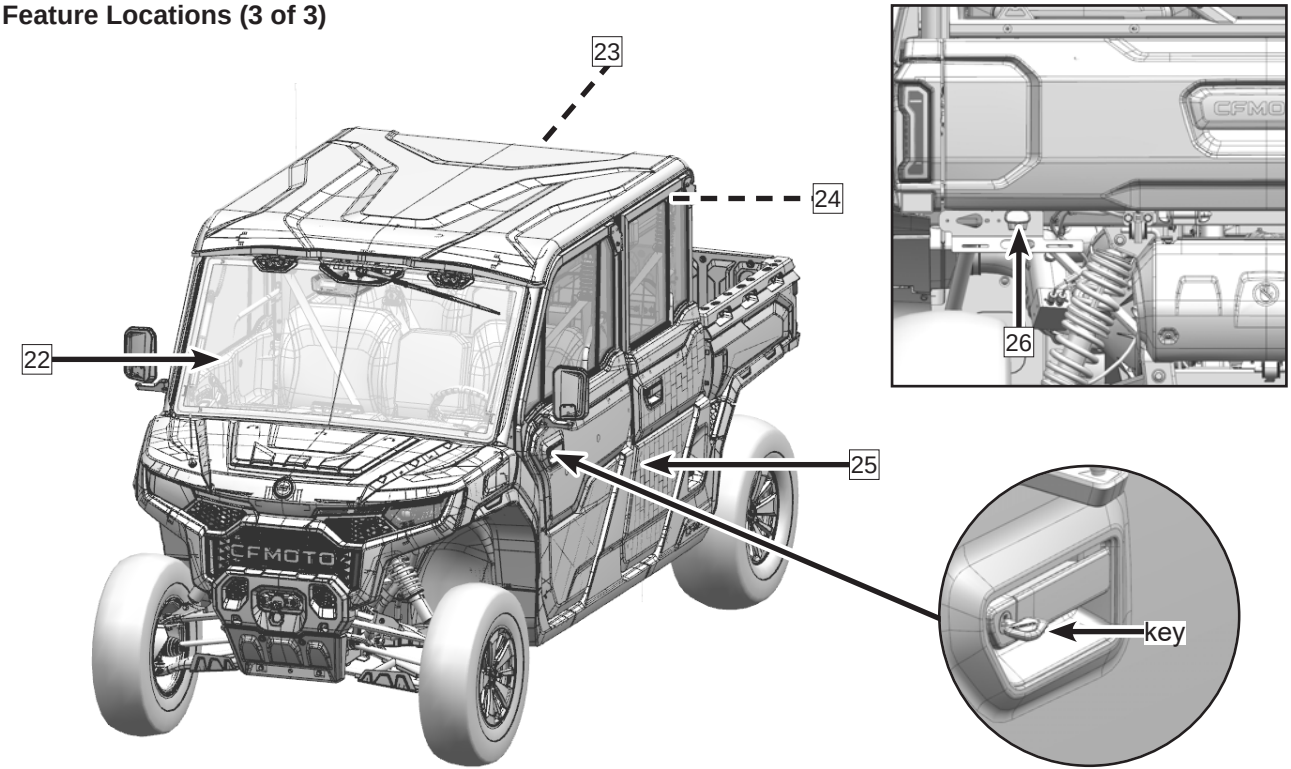
CONTROLS AND FEATURES

Feature Locations (2 of 3)



CONTROLS AND FEATURES

Feature Locations (3 of 3)



Feature Descriptions

Strap Hook - 1 / Cargo Box Hook - 2
Cargo box hooks and strap hooks are located at the inner and outer sides of the cargo box. Use tie straps (not supplied) when loading and securing cargo in the cargo box.

Floor Board - 3
The vehicle is equipped with the driver and passenger floor boards which help protect your feet, prevent injuries, and help to maintain good body position during riding. Always wear a pair of proper protective boots during operation.

Driver / Passenger Storage Box - 4
This vehicle is equipped with sealed storage box on the dashboard made to carry light objects, such as the tool kit, winch controller, oil filling pipe, and funnel.

Safety Belts - 5
This vehicle is equipped with safety belts to help protect the driver and passengers in the event of collisions, rollovers or tip-over to keep occupants in the cab. An indicator displays when the seat belt is not fastened.

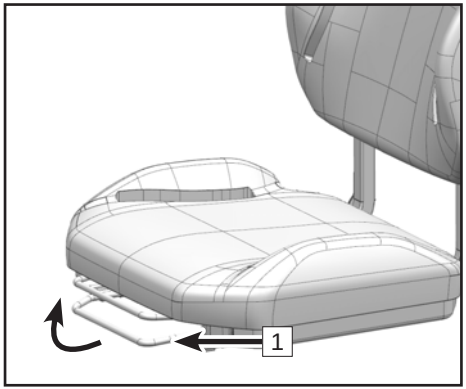
Passenger Handrail - 6 (U10 PRO / U10 PRO HIGHLAND)
Passenger handrail located at front of the passenger's seat helps the passenger keep balance when traveling over bumps and rough terrain.

Passenger Handrail - 6 / Middle Passenger Handrail - 6A (U10 XL PRO / U10 XL PRO HIGHLAND)
This vehicle is equipped with three passenger handrails (one in front of the passenger seat, two in front of the middle part of the rear passenger seat - see page 89) to help passengers keep balance when traveling over bumps and rough terrain.

NOTE
When carrying a passenger, the passenger must hold the handrail at all times.

Driver's Seat - 7

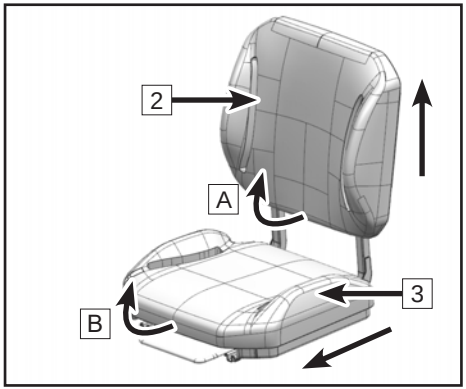
The driver's seat offers fore and aft adjustment. Lift the handle [1] in the arrow direction to unlock the left and right seat slides. When adjusted to the desired position, release the handle to lock the seat.



The driver backrest [2] and seat cushion [3] can be quick-released.

Grab the lower part of the driver backrest [2] and pull out in direction arrow [A] to release the grommet pins. Lift the backrest upward to disengage the two hooks from the driver seat bracket, then remove it.

Grab the front part of the driver seat cushion [3], and pull up in arrow direction [B] to release the grommet pins. Pull the seat cushion forward to disengage the two hooks from the driver seat bracket, then remove it.

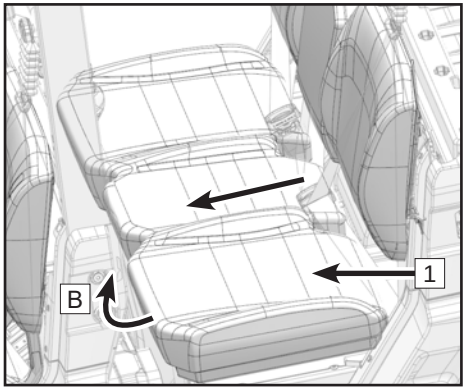


Rear LH Passenger Seat - 7A (U10 XL PRO / U10 XL PRO HIGHLAND)

The rear passenger bench seat is not adjustable.

The rear LH passenger seat cushion 1 can be quick-released.

Grab the front part of the seat cushion 1 and pull up in arrow direction B to release the grommet pins. Pull the seat cushion forward to disengage the two hooks from the rear passenger seat bracket, then remove it.

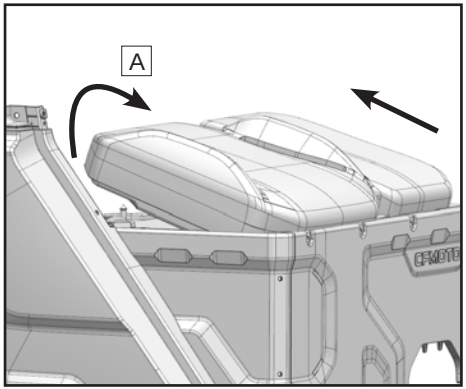


Passenger Seat - 8 (U10 PRO / U10 PRO HIGHLAND)

The passenger seat back is not removable.

The passenger seat is not adjustable.

The passenger seat cushion can be removed for access to the air filter housing and fuse box 2. Grab the rear part of the passenger seat cushion and pull up in arrow direction A to disengage the grommet pins. Move the seat cushion back to disengage the two hooks from the seat bracket, then remove it.

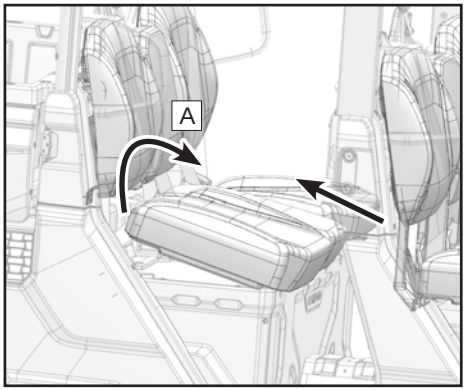


Rear RH Passenger Seat - 8A (U10 XL PRO / U10 XL PRO HIGHLAND)

The rear RH passenger seat back is not removable.

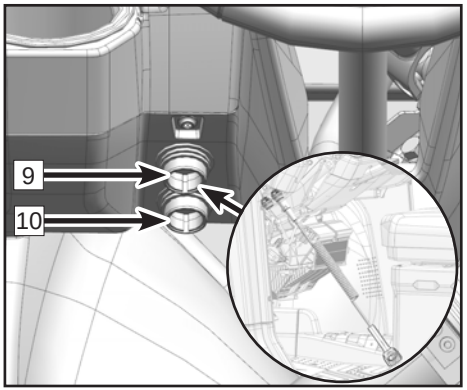
The rear RH passenger seat is not adjustable.

The rear RH passenger seat cushion can be removed for access to the air filter housing and fuse box 2. Grab the rear part of the passenger seat cushion and pull up in arrow direction A to disengage the grommet pins. Move the seat cushion back to disengage the two hooks from the seat bracket, then remove it.



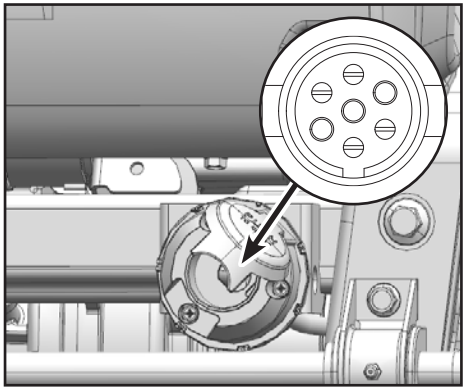
Winch Control Socket - 9 / Cargo Box Control Socket - 10

This vehicle is equipped with a winch control switch socket 9 and a cargo box switch socket 10. Both are located at the lower left side of the steering wheel. Use the supplied wired controller (See 'vehicle accessories' - page 102) to control the "in" and "out" of the winch cable and the "up" and "down" of the cargo box.



Trailer Power Socket - 11 (If equipped)

This vehicle is equipped with a trailer power socket, located in the behind of the vehicle, which requires a wiring adapter. The trailer power socket is configured to the standard shown in the image.

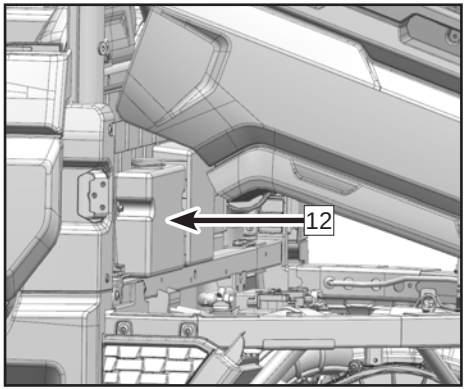


⚠CAUTION
The power range of the trailer power adapter for trailer position and turning lights is 1 ~ 21W. CFMOTO recommends to purchase a trailer within the power range to avoid trailer position and turning lights not working properly (when equipped - select markets)

Front Windshield Fluid Reservoir (If equipped)

The front windshield fluid reservoir 12 is located between the rear panel and cargo box, and is visible when you open the cargo box.

In winter, replace the fluid with a proper freeze-protected windshield cleaning solution.



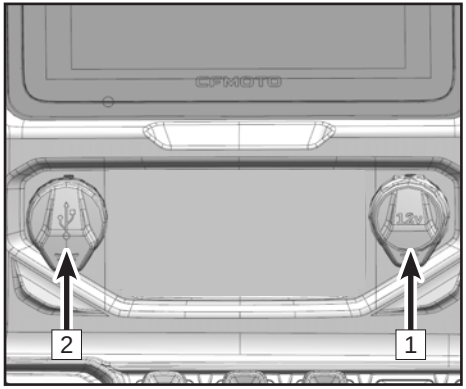
12Vdc Power Socket / USB Power Socket - 13 (U10 PRO / U10 PRO HIGHLAND)

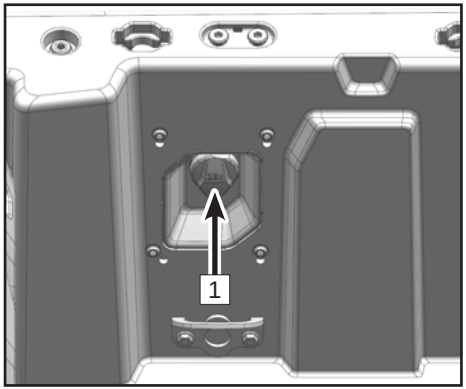
This vehicle is equipped with two 12Vdc power sockets 1, one under the dashboard, and one located at the left rear of the cargo box. The USB power socket 2 is located under the dashboard.

The 12V power socket 1 requires a 12V (Maximum 120W) adapter. Use a proper adapter to plug in:
1. Rated Voltage: 12V
2. Rated Current: 10A

The USB power socket 2 includes one TYPE-C connector and one TYPE-A connector for charging:
1. Nominal Voltage: DC 12V
2. Working Voltage: DC 10 ~ 24V
3. Output Voltage Range: DC 3 ~ 12V (According to quick-charge strategy that adjusts the range)
4. Maximum Output Power: 18W+18W (5V@3A, 9V@2A, 12V@1.5A)
5. Output power: 5V@3A if the socket does not recognize a quick-charge strategy.

NOTE
To ensure optimal results, always use the original USB cable to connect. If aftermarket electronic equipment not approved by CFMOTO is used, it may affect the electrical system. Wireless signals may interfere with the display of the multifunction screen.





12Vdc Power Socket / USB Power Socket - 13A (U10 XL PRO / U10 XL PRO HIGHLAND)

This vehicle is supplied with three 12V power sockets [1], one under the dashboard, one at the left rear of the cargo box, and one at the cup holder in the middle part of the vehicle. There are two USB output sockets [2], one under the dashboard and one located at the cup holder in the middle part of the vehicle.

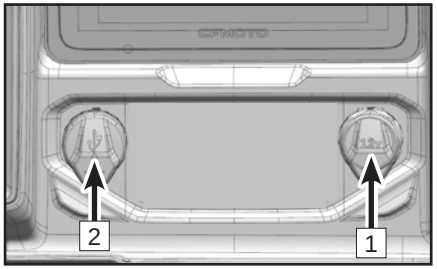
The 12V power socket [1] requires a 12V (Maximum 120W) adapter. Use a proper adapter to plug in.

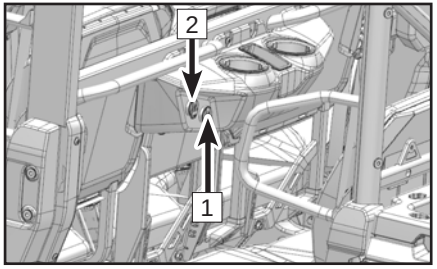
1. Rated Voltage: 12V
2. Rated Current: 10A

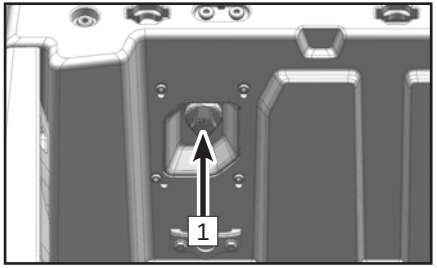
The USB output socket [2] includes one TYPE-C connector and one TYPE-A connector for charging:

1. Nominal Voltage: DC 12V
2. Working Voltage: DC 10 ~ 24V
3. Output Voltage Range: DC 3 ~ 12V (According to quick-charge strategy that adjusts the range)
4. Maximum Output Power: 18W+18W (5V@3A, 9V@2A, 12V@1.5A)
5. Output power: 5V@3A if the socket does not recognize a quick-charge strategy.

NOTE
To ensure optimal results, always use the original USB cable to connect. If aftermarket electronic equipment not approved by CFMOTO is used, it may affect the electrical system. Wireless signals may interfere with the display of the multifunction screen.

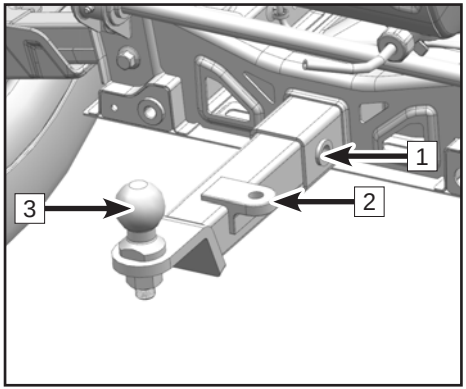






Towing - 14 (If equipped)

This vehicle is equipped with a standard size 2 x 2 in. (52 x 52 mm) tow bar connector [1] . In select markets, a standard size 1.9 x 1.9 in. (50 x 50 mm) towing bracket [2] (if equipped) and matching hitch ball [3] (if equipped) is supplied. Please consult with your dealer on the use of trailers and towing before using your vehicle.



Radio Antenna - 15

A radio antenna is supplied to receive signals from radio stations, convert them to audio, and play them through the stereo, so passengers can enjoy broadcasted programs such as music, news, entertainment, etc.

Shoulder Guards - 16 (If equipped)

The vehicle is equipped with shoulder guards to help restrain the body of the driver and passenger inside vehicle.

Cargo Box - 17

This vehicle is equipped with a cargo box for convenience when hauling loads. The cargo box is equipped with a hydraulic lift, which can facilitate unloading heavy loads by using the dump switch to complete the lifting control of the cargo box. Refer to the safety decals on the cargo box for load information. Do not exceed the maximum capacity of the cargo box.

Winch - 18

This vehicle is equipped with a 4500-lb winch and a standard wired controller, which is placed in a storage box on the dashboard. The winch switch socket is located at the left lower of the steering. To preserve battery power, only operate the winch while the engine is running. Please refer to the winch operation section of this manual for further information or consult with your dealer on the use of the winch before using your vehicle.

Fuel Tank Fill Cap - 19

The fuel tank fill cap is located at the driver side of the vehicle near the driver seat (U10 PRO / U10 PRO HIGHLAND). The fuel tank fill cap is located at the driver side of the vehicle near the left rear passenger seat (U10 XL PRO / U10 XL PRO HIGHLAND). To fill the tank, grasp the fuel cap firmly, then turn counter-clockwise and remove it. If the cap has a lock, please unlock the cap before removing it. Reinstall the fuel cap securely after a fuel tank fill is completed. The fuel tank capacity is 11.8 gal. (45 L).

Safety Nets - 20 (If equipped)

Safety nets are provided on each side of the cab to help to protect the driver and passenger. Always attach the safety nets before driving the vehicle. Make sure all mounting points of the safety nets are secure on the vehicle, then buckle the net into the lock connector.

Telematics BOX (T-BOX) - 21 (If equipped)

CFMOTO vehicles are equipped with an intelligent vehicle terminal T-Box. It builds a communication bridge between the owner and vehicle through the CFMOTO RIDESYNC APP. Please search and download CFMOTO RIDESYNC APP.

Front Windshield- 22 (If equipped)

The glass front windshield protects the driver and passenger from the external environment, such as wind, rain, snow, foreign objects, and provides a good view. A wiper installed on the front windshield clears off rain, snow and other debris to maintain a good view. The front windshield and wiper provides a safe driving environment, and ensures that the operator can keep a good view in extreme weather conditions. Always stay cautious when riding in extreme conditions, e.g. as fog, dust, rain, etc.

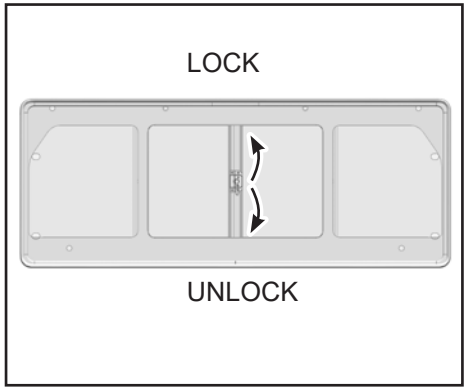
Rear Windshield - 23 (If equipped)

The rear windshield mounted at the rear part of the cab protects the driver and passenger from the external environment, such as wind, snow, rain and foreign objects.

Two windows in the center of the rear windshield can be opened manually, following the steps below:

Unlock: Turn the lock pin ' ' clockwise from ' ' to ' ', then place your hands on both center windows and push them to the side to open.

Lock: Place your hands on both center windows and push them to the center, then turn the lock pin ' ' anti-clockwise from ' ' to ' ' to lock.



Speaker - 24

The supplied speaker allows the driver and passenger to enjoy music, broadcasts, and other radio content while traveling, providing an entertaining and relaxing experience. When connected via Bluetooth, audio navigation instructions help the driver and passenger receive and understand important information, improve the quality of calls, and increase driving safety if answering a phone set to hands-free mode.

Side Doors - 25 (If equipped)

Side doors protect the driver and passengers from foreign objects and safeguard from injury. In extreme weather (such as cold, dust), the side doors keep the cab enclosed and insulates occupants while reducing noise from the road and the external environment. (Side doors are optional - available in select markets)

License Plate Light -26 (If equipped)

The license plate light turns on with the headlights at night or in dark conditions to illuminate the license plate.

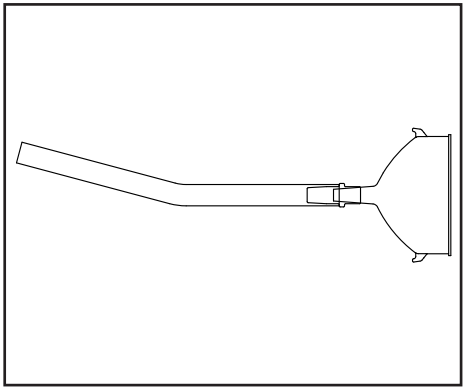
Vehicle Accessories

Wired Controller

This vehicle is equipped with a wired controller, it controls the 'In' and 'Out' of the winch cable and 'Up' and 'Down' of the cargo box lift mechanism when plugged into each system's appropriate power socket.

Oil Fill Funnel and Hose

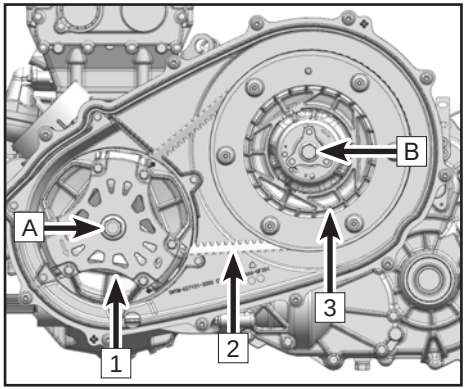
This vehicle is equipped with an oil fill funnel and hose for maintenance, which are stored in storage box on the dashboard.



CVT System

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

The CVT system consists of a drive pulley (1), driven pulley (3) and drive belt (2).



The drive pulley (1) is mounted to the engine crankshaft (A). The drive pulley (3) is mounted to the input shaft of the transmission (B) and serves two functions; As a “slave” pulley to the drive pulley (1), and to provide a torque sensing element that shifts drive ratios. The drive belt (2) is a heavy duty V-belt that connects the drive pulley (1) and driven pulley (3).

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

Engine Braking System (EBS - Select Markets)

This vehicle is equipped with an engine braking system which occurs when the throttle is completely closed, the vehicle starts the engine braking function, and the vehicle is at speed. It uses the engine's compression/ resistive force to slow the over-driving transmission speed via the CVT drive belt, thereby slowing the entire vehicle gradually.

Engine braking is always active, and offers the most benefit when:

Used in conjunction with 4WD and 4WD Diff-Lock Modes.

Descending steep or slippery hills.

Descending rocky downhill terrain.

Slowing while towing heavy loads.

Assisting normal brake system application.

EBS is not a substitute for the vehicle brake system, although increased brake pad and disc life are realized when EBS assists normal brake system operation. The EBS is non-adjustable, and does not contain any user maintenance items. Contact your dealer for service.

How To Avoid CVT Drive Belt Failure

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

Causes CVT Damage:	Solution:
Attempting to load the vehicle onto a truck bed or tall trailer in high gear.	Shift transmission to low gear during loading of the vehicle to prevent CVT belt burning.
Climbing steep inclines	When starting out on steep inclines, use low gear or get off from the vehicle (After the first use of the brake) and follow the K steering procedure to operate.
Constant driving at low RPM, driving at just above clutch engagement RPM (approximately 3 ~ 7 mph [5 ~ 10 km/h]) in high gear.	Low gear is highly recommended for cooler CVT operating temperatures and longer component life at constant slow speeds. Drive at a higher speed or use low gear more frequently.
Insufficient warm-up of a CVT belt exposed to low ambient temperatures	Warm the engine before driving. The CVT belt will become more flexible and prevent belt burning.
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.
Stuck in mud or snow.	Use low gear only.
Climbing over a long slope from a stopped position.	Use low gear only.
Belt slipping from water or snow ingestion into the CVT system.	Shift the transmission to Neutral. Apply throttle, increasing the engine RPM from idle to over 2500. Repeat several times, do not apply throttle over 10 seconds, then test function. If slipping happens frequently, inspect the CVT parts for damage.
Overheating of the CVT components causes malfunction.	Contact your dealer for inspection and repair of the CVT components.

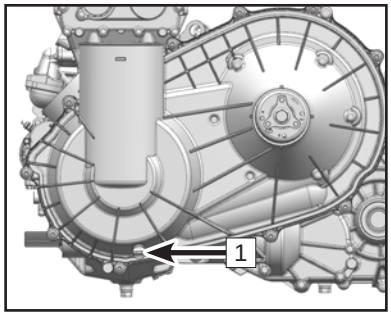
What to do if water collects in the CVT housing

If the vehicle was submerged in water deep enough that water has entered the CVT housing, remove the drain bolt [1] at the bottom of the housing to drain the water from the case.

⚠ CAUTION
If water drains from the CVT housing after removing the drain bolt, have your dealer inspect the vehicle, as water may have affected the CVT system and other engine parts.

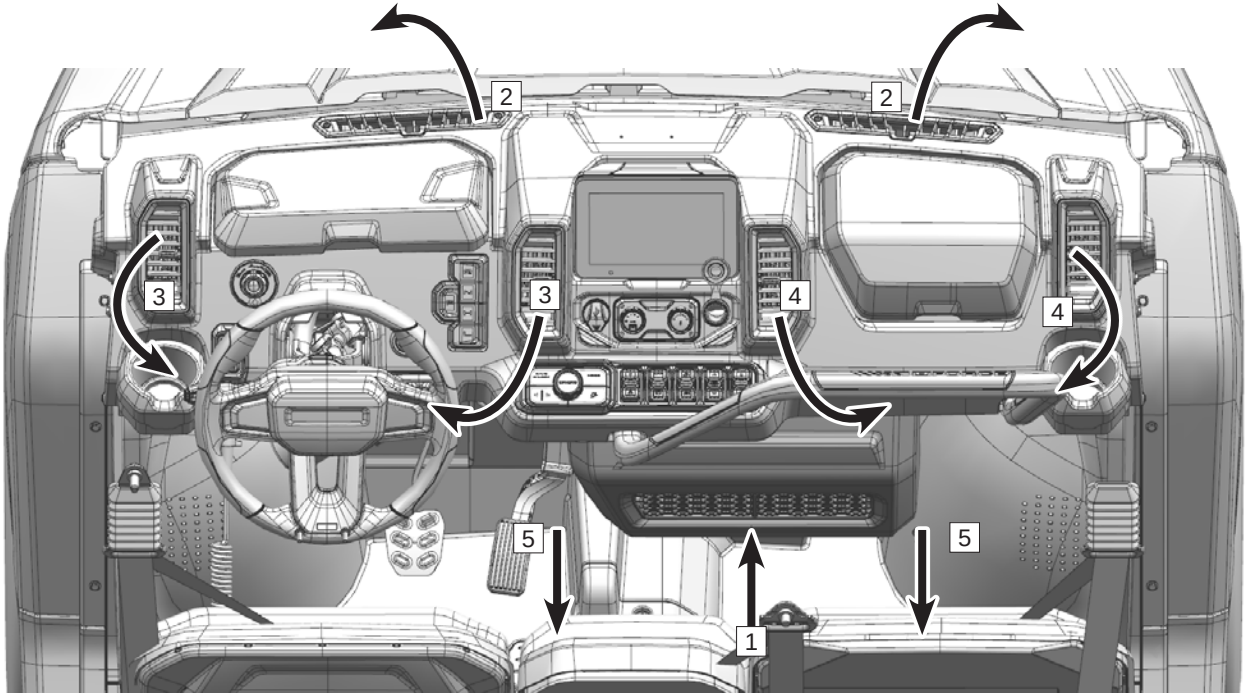
Drying a Wet CVT System

If the CVT system was submerged and the drive belt is slipping, any remaining moisture inside the CVT housing after draining can be expelled by running the engine above 2500 RPM in Park or Neutral for 30~60 seconds, then testing for proper CVT function in low gear. Repeat as necessary. If the CVT system continues to slip or have poor performance, contact your dealer.



HVA/C System (If equipped)

HVA/C system enhances comfort and visibility in the cab.



Air Inlet/Outlet

1. Air inlet 2. Front windshield defrost outlets 3. Left outlets 4. Right outlets 5. Floor outlets

NOTE
The air outlets are equipped with adjustable grilles (up and down) for controlling the direction and volume of airflow. Always keep the air inlet grille clean to avoid clogging.

Air Inlet

Air flows through the grille in front of the passenger seat. This filtered air enters the HVA/C housing.

Air-Conditioning

It is necessary to perform periodic maintenance to ensure the air conditioning (A/C) equipment maintains satisfactory performance The A/C only operates when the engine is running. When the A/C is turned on, the condensed water will exit out through a drain hose. To help keep the compressor sealed and lubricated, run the air conditioning at least once a month. Regardless of the season, A/C is always useful for removing moisture and vapor from the cabin. To obtain optimal cooling, the doors, windows, and front, rear windshield (if equipped) should be closed when the A/C is in use. The temperature inside the vehicle will rise if the vehicle is parked in the hot sun for a long time. Open the windows to ventilate the cab for a short time to assist A/C cooling. When the A/C is running, it will increase the fuel consumption of the engine.

Heating

Heating utilizes heat energy from the engine cooling system. Maximum heat is only available once the engine has reached optimal temperature.

1. Rotate the knob to the desired temperature.
2. Select the desired fan speed.
3. Properly distribute the airflow using the adjustable grilles.

Ventilation

A/C only operates when the engine is running, but once the vehicle is powered on, you can choose to operate the ventilation system using the fan only.

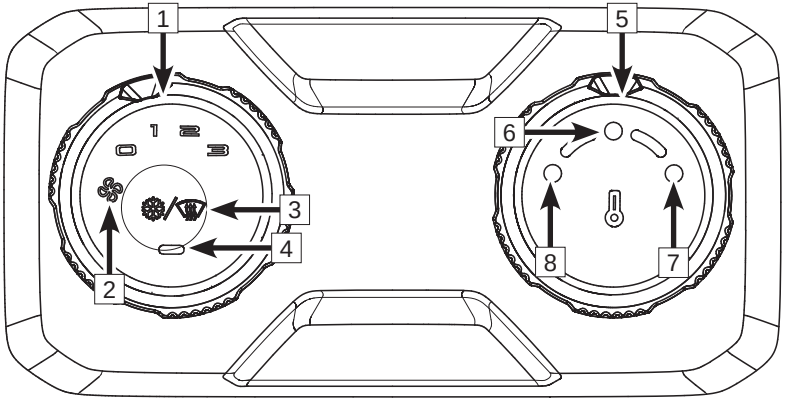
CONTROLS AND FEATURES

Operating Suggestions

To ensure good airflow, do not block the grille outlets or the air inlet in the cabin. Always inspect the air inlet and its filter, and clean periodically (refer to the maintenance section). It is recommended to periodically inspect the HVA/C system condition and eliminate any faults promptly. If the A/C does not work for any reason, discontinue its use and contact an authorized CFMOTO dealer. When operating in high-temperature environments, turning off the A/C when the vehicle is climbing with heavy loads will help the engine have more reserve torque and power.

HVA/C Control Panel

1	Fan control knob	2	Fan Speed	3	A/C Button	4	A/C Indicator
5	Temperature knob	6	Neutral Temp Level	7	Heat MAX Level	8	Cold MAX Level



CONTROLS AND FEATURES

Switch	Function	Operation Instruction	Instruction
Fan control knob	Adjusts the fan speed	1. Rotate [1] clockwise to increase the fan speed (0-1-2-3) 2. Rotate [1] counter-clockwise to decrease the fan speed (3-2-1-0)	0 is equal to OFF and turns off the air blower, A/C.
Temperature knob	Adjusts the HVA/C air temperature	1. Rotate [5] to the left [8], compressor on (A/C indicator is on), A/C cold air comes out. 2. Rotate [5] to the middle poistion [6], compressor off (A/C indicator is off), natural air comes out (ventilation). 3.Rotate [5] to the right [7], warm air comes out (heating)	It is recommended to close the defrost air vents if defrost and defog are not required. This helps to raise air volume in the other vents. When turning on the heat in winter, it is recommended to partially close the defrost vents to increase air flow at the floor. If defrosting and defogging are required, close the dashboard air vents to increase the airflow at the defrost air outlets.
A/C Button	A/C compressor On/Off	1. Press the switch to turn on the A/C indicator [4], the compressor is working. 2. Press the switch again to turn off the A/C indicator [4], the compressor stops.	1. The ambient temperature needs to be above 10°C (50°F) for A/C operation. 2. Do not keep pressing the button, it can cause a pressure overload and lead to a pressure protection shut down. 3. A/C is for the requirement of removing moisture and cooling down. It is recommended to close off the defrost vents when using the A/C to maximize the refrigeration effect.

Refrigerant Specification

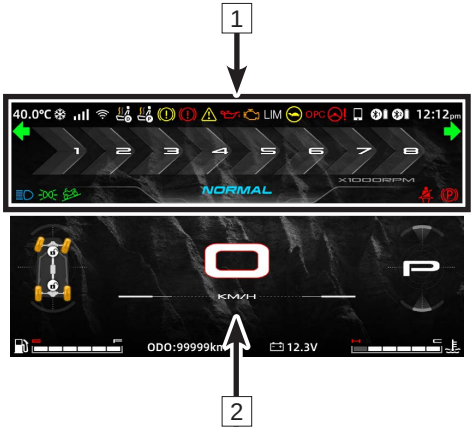
Type: R134A

Filling Volume: 375 ±25g

Inspect the refrigerant volume every 3 years or when the ambient temperature is >30°C (86°F) and you cannot feel cold air from the outlets. Professional equipment is required when performing the inspection and fill. Contact your dealer for service.

MMI 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 MMI instrument is located at the middle of the dashboard and is divided into two function areas:

1 : Instrument Indicators and Warning Indicators

2 : Instrument Display

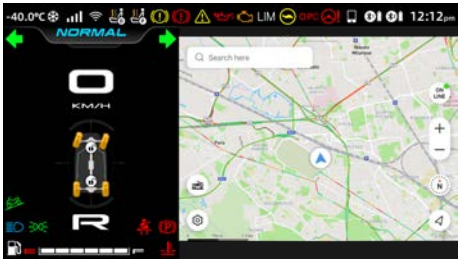
Activation and Self-test

Activation

The instrument activates when the vehicle is powered on.

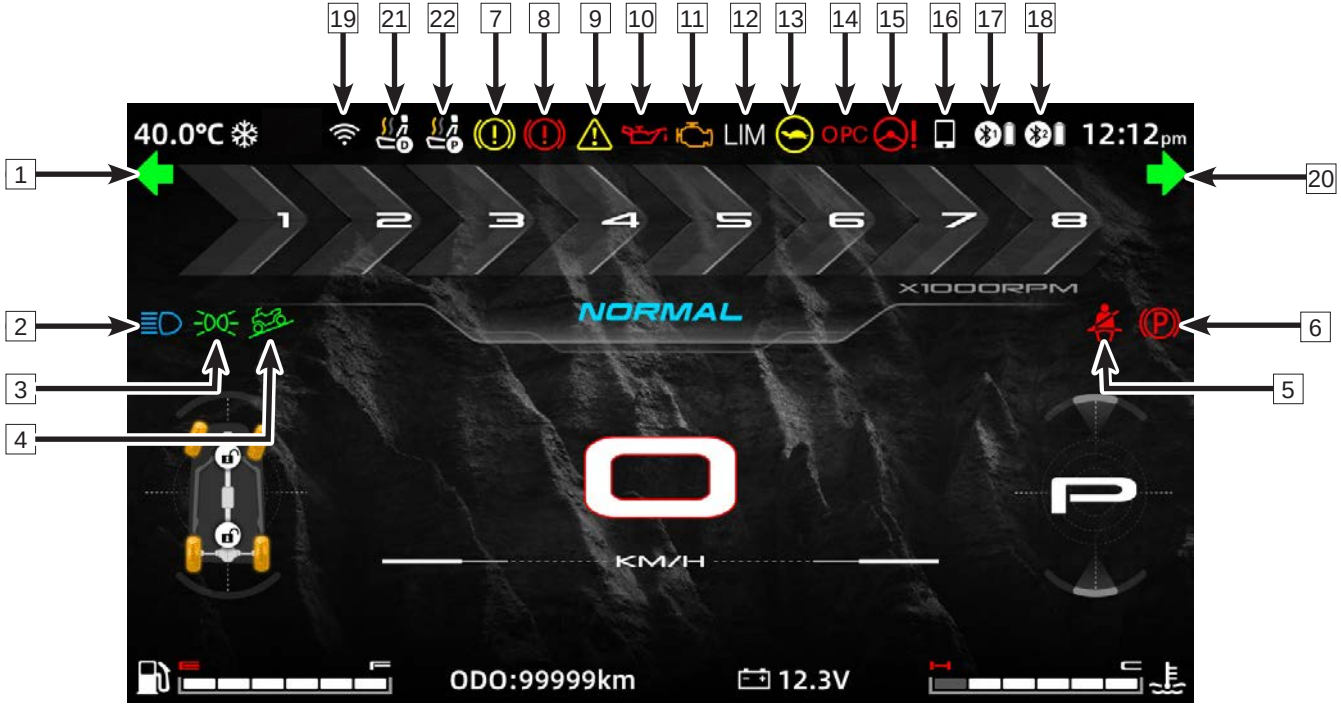
Self-test

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. Following, the display will switch to a split screen mode automatically.



CONTROLS AND FEATURES

Dashboard Indicators and Warnings



CONTROLS AND FEATURES

1	LH Turning Light (available in select markets)	9	Warning Indicator	17	Bluetooth Device 01 connection Indicator
2	High Beam Indicator	10	Oil Pressure Signal Indicator	18	Bluetooth Device 02 connection Indicator
4	DAC Indicator	12	Speed Limit Indicator	19	WI-FI Indicator
5	Seat belt warning light	13	Power Limited Indicator (If equipped)	20	RH Turning Light (available in select markets)
6	Parking Brake Indicator	14	OPC Indicator (available in select markets)	21	Heating Indicator for driver's seat (If equipped)
7	Park Brake Malfunction Indicator	15	EPS Fault Warning Indicator	22	Heating Indicator for passenger's seat (If equipped)
8	Brake Fault Indicator	16	Cellphone Connection Indicator		

LH Turning light- 1 (If equipped - available in select markets or countries)

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 on the multi-function switch panel (see page 78) 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.

Seat Belt Warning Indicator - 5

This indicator displays when the seat belt is not fastened. If the latch plate is not pushed into the buckle, the indicator on the dashboard will be on and the engine is limited to 3700 RPM. When the latch plate is pushed into the buckle, indicator on the dashboard and speed-limit function will turn off.

Parking Brake Indicator - 6

This indicator displays when the parking brake function is activated.

Park Brake Fault Warning Indicator - 7

This indicator displays when a park brake fault occurs. Please have your vehicle serviced.

Brake Fault Warning Indicator - 8

This indicator displays when brake fluid level is low. Please have your vehicle serviced.

Warning Indicator - 9

This indicator displays when a BCM fault occurs.

Oil Pressure Signal Indicator - 10

If the oil pressure signal indicator is on, there might be something wrong with the engine oil system. Please stop operating the vehicle and have it serviced.

EFI Fault Indicator - 11

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

Speed Limit Indicator - 12

When this function is activated (refer to instrument section), the indicator will be on.

Power Limited Indicator - 13 (If T-Box equipped)

Use the CFMOTO RIDE APP (select markets) to activate beginner mode. When this mode is activated, the indicator will be on and the speed will be limited to under 25 mph (40 km/h) or 37 mph (60 km/h).

OPC Indicator - 14 (Available in select markets or countries)

Occupant Presence Control. This indicator displays if the driver leaves the vehicle without parking. A buzzer will sound at the same time.

EPS Indicator - 15

This indicator light flashes when the EPS system works but the power is not activated, or a fault occurs in the Electronic Power Steering system.

Cellphone Connection Indicator - 16

This indicator light flashes when a cellphone is connected with the instrument via Bluetooth.

Bluetooth Device 01 and Device 02 connection Indicators - 17 / 18

When the Bluetooth is connected to the instrument via Bluetooth (Maximum of 2 Bluetooth devices at the same time), the indicators ' ' ' ' will be on and display the remaining power of the Bluetooth device. The indicator will turn to red ' ' ' ' when the Bluetooth device's battery is low. The Bluetooth indicator light ' ' ' ' indicates that the device is connected only and cannot read the remaining power of the device.

WI-FI Indicator - 19

When the vehicle is connected to WI-FI, the WI-FI signal strength will display on the dashboard.

RH Turning Light - 20 (If equipped - available in select markets or countries)

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

Heating Indicator for driver's seat - 21 (If equipped)

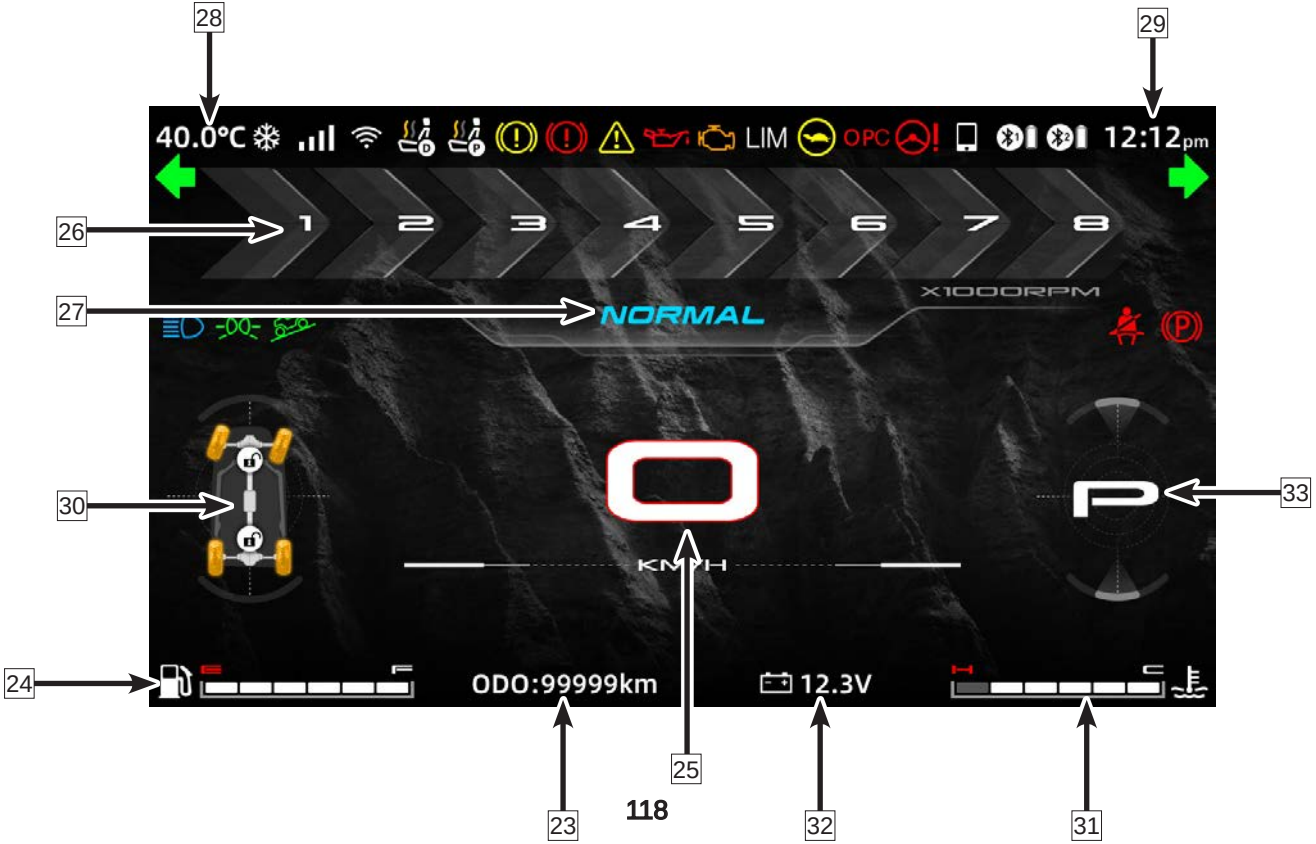
When the heating function for the driver's seat is turned on, the indicator will be on.

Heating Indicator for passenger's seat - 22 (If equipped)

When the heating function for the passenger's seat is turned on, the indicator will be on.

CONTROLS AND FEATURES

Dashboard Display



23	Odometer	25	Speedometer	27	Mode Display	29	Clock	31	Coolant Temperature	33	Gear Display
24	Fuel Gauge Indicator	26	Engine RPM	28	Ambient Temperature	30	Drive Mode	32	Voltage Display		

Odometer - 23

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

Fuel Gauge Indicator - 24

Indicates the fuel level in the fuel tank. When the fuel gauge approaches 'E', it will flash to indicate a low level of fuel in the fuel tank.

Please arrange your trip properly when approaching the remaining fuel limit and replenish it in time, which will prevent damage to the fuel pump.

Speedometer - 25

The current vehicle speed is displayed here.

Metric (km/h) and Imperial (mph) units can be switched through the menu.

Engine RPM - 26

The engine RPM is displayed here.

CONTROLS AND FEATURES

Mode Display - 27

Display the selected mode “WORK” or “NORMAL”. When switching the mode, the instrument interface will change at the same time.

Ambient Temperature Display - 28

The current temperature is displayed here. Celsius and Fahrenheit units can be switched through the menu. A warning appears when the ambient temperature drops below 41°F (5°C), alerting the operator that slippery conditions could increase due to freezing temperatures.

Clock - 29

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

Drive Mode - 30

Indicates when 2WD, 4WD, or 4WD-LOCK drive mode is selected.

Coolant Temperature Display - 31

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.

Voltage Display - 32

The current charging (engine on) and battery voltage (engine off) is displayed here.

Gear Display - 33

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

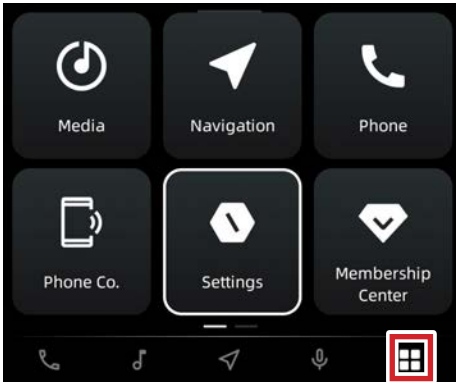
Instrument Menu

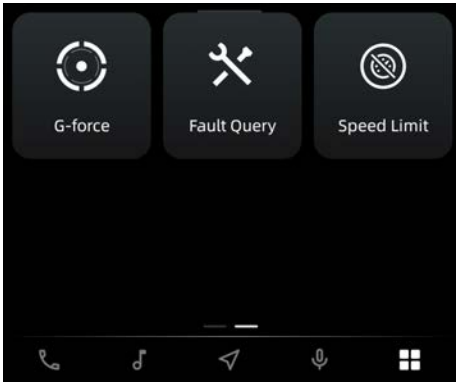
Use the menu to adjust related settings on the dashboard and optimize the driving experience.

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

Touch the icon " " on the dashboard to enter the application interface. On the application center interface, users can inspect, adjust and set the following items:

1. Multi-media
2. Navigation
3.Telephone
4. Phone Co.
5. Setting
6. VIP center
7. G-force
8. Fault Query
9. Speed Limit





Multi-media - 1 (1 of 2)

In the multi-media interface, users can select their desired sound source (Radio or Bluetooth music).

NOTE
Before playing music, ensure that a mobile device is connected to the MMI instrument via Bluetooth.

Turn on the music app on the mobile device.

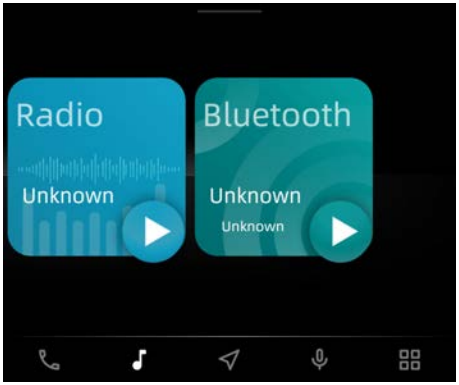
: Click the icon to enter the Multi-media interface.

Select 'Bluetooth' to play songs:

: 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.



CONTROLS AND FEATURES

Multi-media - 1 (2 of 2)

In the multi-media interface, users can turn on the radio to receive and listen to music, news, entertainment broadcasts, etc.

: Click this icon to enter the Multi-media interface.

Select 'Radio' to listen to broadcast programs.

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

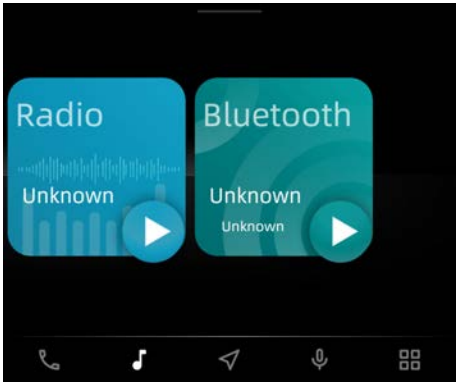
: Click this icon or operate the function knob to switch to the next radio program.

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

: Click this icon to save the radio station as a favorite.

: Click this icon to search the waveband automatically.

: Click FM/AM to change the waveband.



NOTE
Using electronic devices not approved by CFMOTO may interfere with the signal received, such as a USB charger. The external environment (such as mountains, buildings, tunnels, and underground parking lots) may influence the signal received. This phenomenon is caused by the broadcast of the wireless waveband, and does not indicate that the radio has occurred a fault.

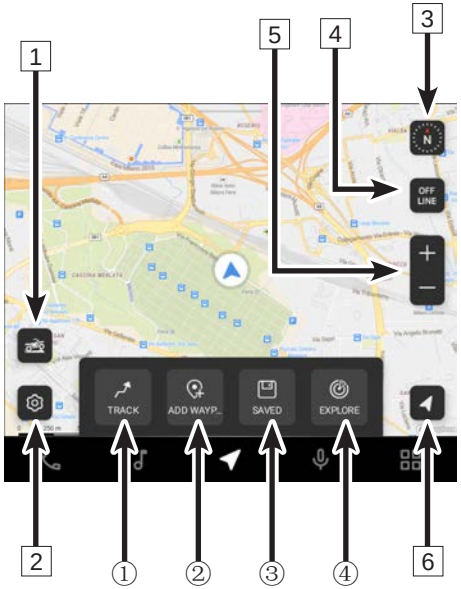
Navigation - 2

Through the instrument menu to project the navigation.

: Click this icon to enter the navigation interface.

The following functions can be selected when on the navigation interface.

<table>
<tr><td rowspan="4">1</td><td rowspan="4">Off-road function
(Click here, the off-road function menu will pop up)</td><td colspan="3">① Track record</td></tr>
<tr><td colspan="3">② Marked locations</td></tr>
<tr><td colspan="3">③ Saved itinerary and locations</td></tr>
<tr><td colspan="3">④ Shared itinerary and locations from other users</td></tr>
<tr><td>2</td><td>Map setting</td><td>3</td><td colspan="2">Compass</td></tr>
<tr><td rowspan="2">4</td><td rowspan="2">Switch between the OFF LINE and ON LINE mode</td><td rowspan="2">5</td><td>+</td><td>Zoom in</td></tr>
<tr><td>-</td><td>Zoom out</td></tr>
<tr><td>6</td><td>Back to my location</td><td></td><td colspan="2"></td></tr>
</table>

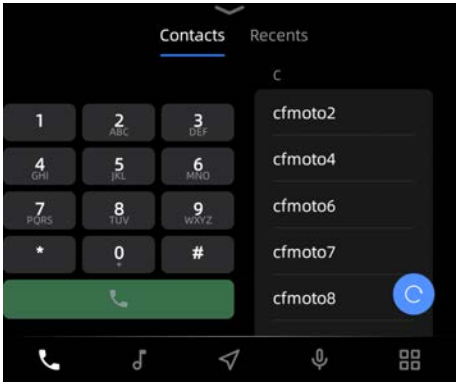


⚠WARNING
Navigation features only assist the driver. Always stay cautious, aware, and operate with a sense of responsibility. Follow all traffic rules and regulations while using the navigation information and controlling the vehicle.

NOTE
Ensure that WI-FI is connected before using the online navigation function (5G Hz only).

Telephone - 3

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



NOTE
Before using the telephone, a mobile device must be correctly connected, and a helmet with phone communication ability must be connected to the vehicle system.

: Click this icon to enter the telephone interface.

Enter the telephone interface to check the contacts, contact record and recent calls.

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

Phone Co. - 4

Projection can be realized by Carplay with the wireless connection.

Connect the device as follows:

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

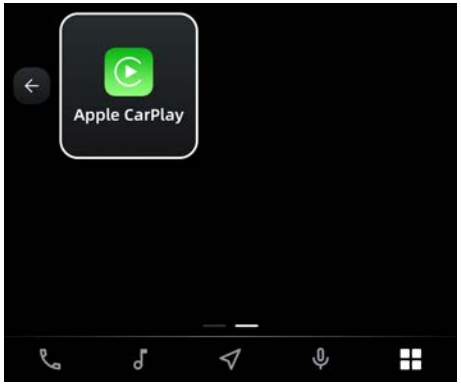
Click this icon “ ” to enter the application center.

Click this icon “ ” to enter the setting.

Click this icon “ ”, click “connect the phone”, 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), then the vehicle system will automatically search for an available Bluetooth ID.

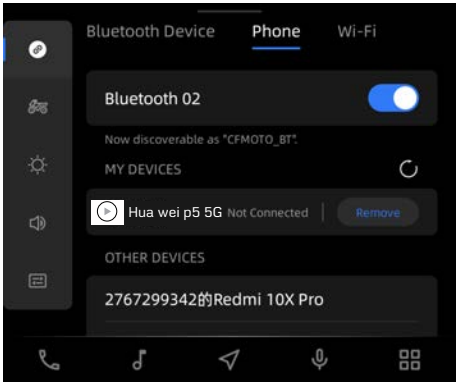
Click and connect the Bluetooth ID that needs to be connected.

Click to pair when the instrument screen and the mobile device pop up a pairing request.



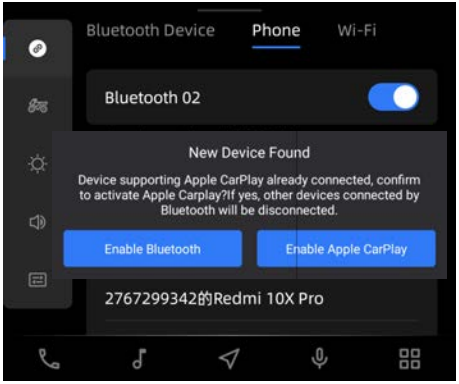
After pairing, the instrument screen will pop up “Enable Bluetooth” and “Enable Apple Carplay”, click “Enable Apple Carplay”.

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



Disconnection

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



Settings - 5

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

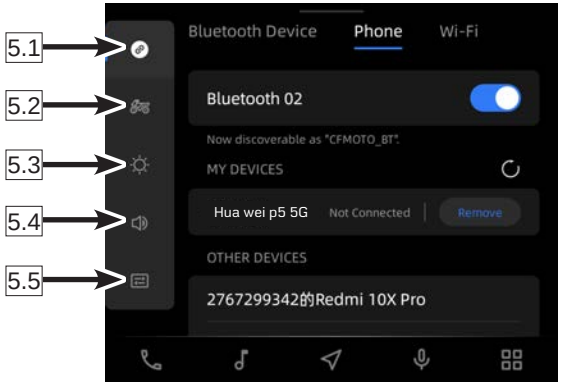
5.1. Equipment Connection

5.2. Intelligent Desktop Switching

5.3. Brightness Control Adjustment

5.4. Volume Adjustment

5.5. General Setting



Equipment Connection - 5.1

Bluetooth Equipment - 5.1.1

Navigation, telephone calls and music functions can be used after the Bluetooth equipment (e.g. Bluetooth earphones) is connected to the vehicle system via Bluetooth.

Follow these steps to connect the equipment:

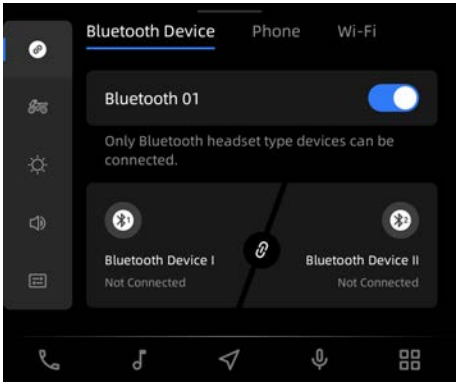
Ensure that the Bluetooth is turned on before the connection.

Click the icon '  ' or to enter the application center.

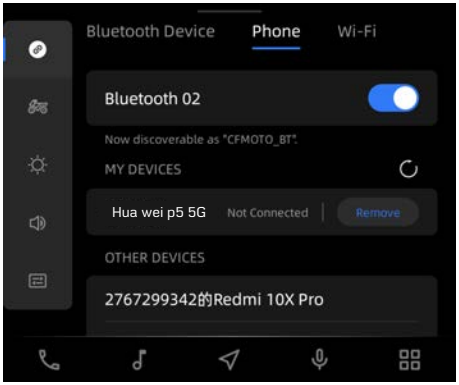
Click the icon '  ' or to enter Setting.

Click the icon '  ', click the 'Bluetooth Equipment', and click the icon '  ' to turn on the switch (This function is turned on by default when vehicle is powered on each time, and must be turned on manually if turned off manually). Click 'Bluetooth Equipment 1' or 'Bluetooth Equipment 2', and the vehicle system will search for the available Bluetooth ID automatically.

Click the needed Bluetooth ID to connect.



Connection - 5.1.2



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 fault 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.

The instrument screen and mobile device will pop up a window to pair.

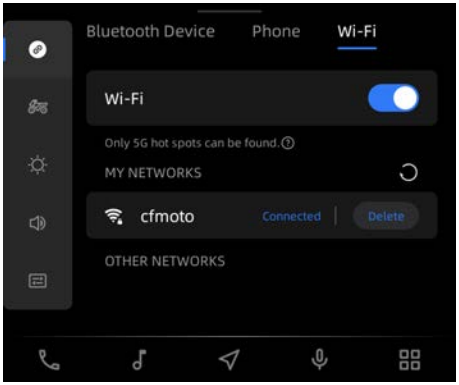
After the connection succeeds you will see 'Connected' display.

Disconnection

If the equipment is connected, click the word 'Connected', then the word will change to 'Disconnecting'. The word will change to 'Disconnected' once the equipment is completely disconnected.

Clear the equipment

In 'Connection' or 'Disconnection' status, click 'Clear the equipment'. The Bluetooth equipment will be disconnected and the Bluetooth ID will be removed.



Wi-Fi - 5.1.3

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 fault when the vehicle is powered on each time, and you need to turn on this function manually if you turn it off manually). The vehicle system will search for the external Wi-Fi ID automatically.

Click the desired external Wi-Fi ID to connect.

After the Wi-Fi ID is connected, 'Connection' will appear.

Disconnection

If the equipment is connected, click the word 'Connected', then the word will change to 'Disconnecting'. The word will change to 'Disconnected' once the Wi-Fi is completely disconnected.

Delete

In 'Connection' or 'Disconnection' status, click 'Delete'. The Wi-Fi will be disconnected and the Wi-Fi ID will be removed.

NOTE
Wi-Fi links to 5G Hz only.

Intelligent Desktop Switching - 5.2

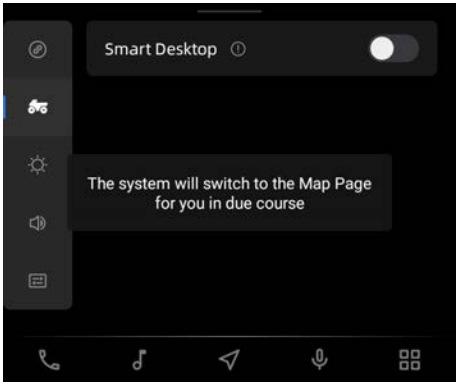
When the intelligent desktop is turned on, the system will switch to the navigation interface for you at a proper time.

Click the icon '  ' to enter the application center.

Click the icon '  ' to enter Setting.

Click the icon '  ' to enter the intelligent desktop to switch the interface.

Click the icon '  ' to turn on or off the intelligent Desktop Switching.



Brightness Control Adjustment - 5.3

Manually adjust the brightness of the instrument, or turn on the automatic adjustment function (When the automatic adjustment is turned on, a photo-sensor adjusts brightness of according to the external environment light).

Click the icon '  ' to enter the application center.

Click the icon '  ' to enter Setting.

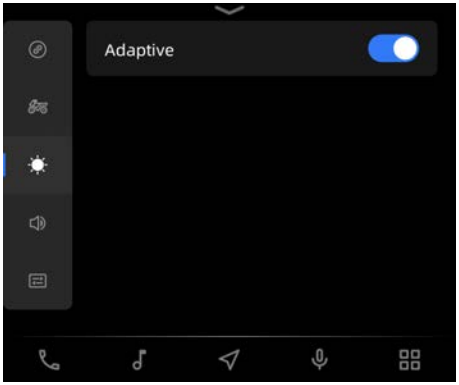
Click the icon '  ' to enter the brightness control adjustment interface.

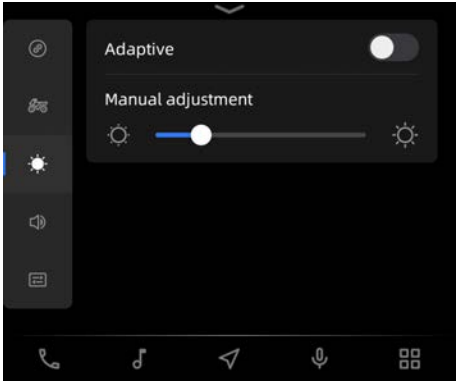
Click the icon '  ' to turn on or off the automatic adjustment.

When 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.





Volume Adjustment - 5.4 (1 of 2)

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

Media volume

Telephone volume

Sound volume

Ring tone volume

Navigation volume

Click the icon '  ' to enter the application center.

Click the icon '  ' enter Setting

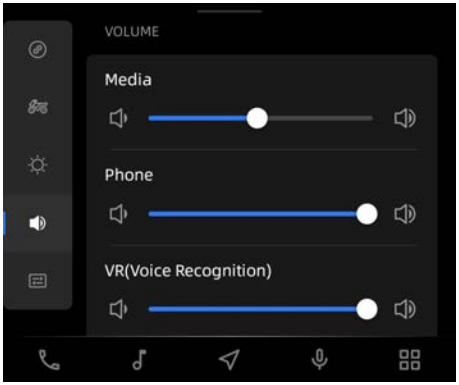
Click the icon '  ' to enter the volume adjustment interface.

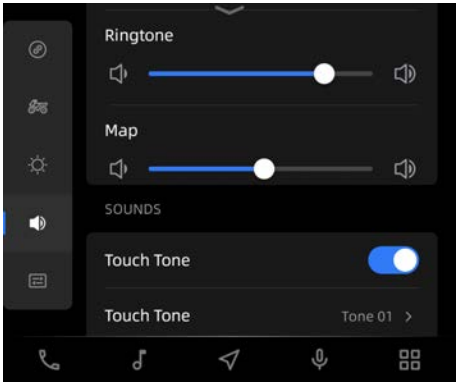
Select the desired volume.

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

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

In some situations the user can adjust the volume through the knob on the function switch.





Volume Adjustment - 5.4 (2 of 2)

In the prompt tone menu, riders can adjust the following contents:

Touch tone

Ring tone

Broadcast sound

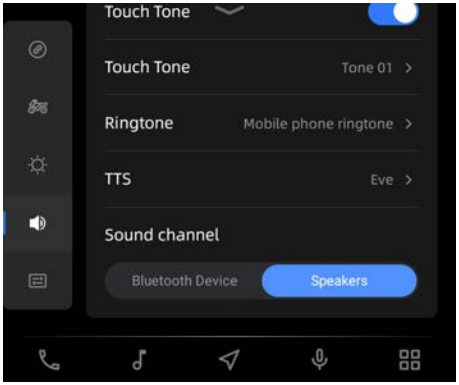
Click the icon ' ' to enter the application center.

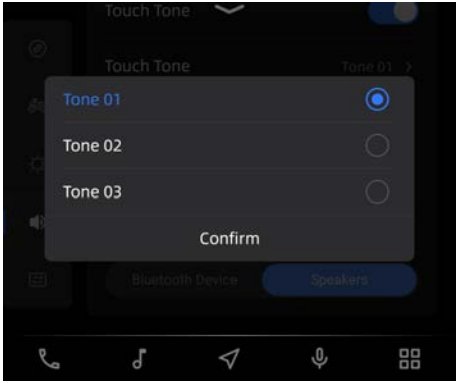
Click the icon ' ' enter Setting.

Click the icon ' ' to enter the volume adjustment interface.

Select the desired prompt tone, click it to enter.

Select the type of the prompt tone, click it to confirm.





General Setting - 5.5

In the general settings, riders can inspect and adjust the following contents:

5.5.1 Time setting

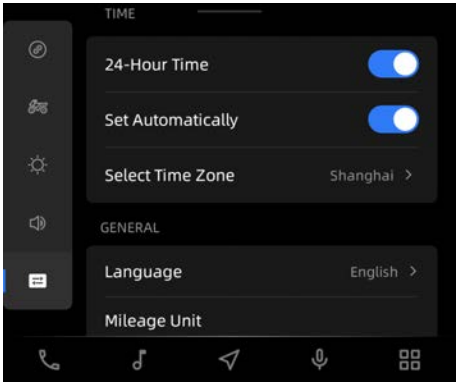
5.5.2 Language

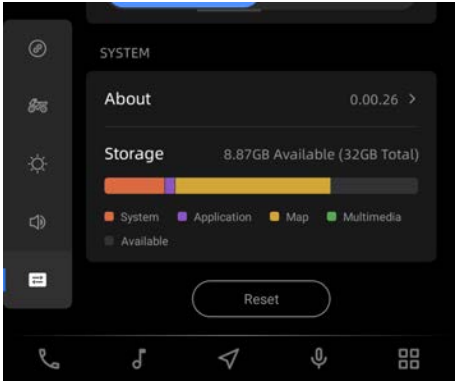
5.5.3 Mileage unit

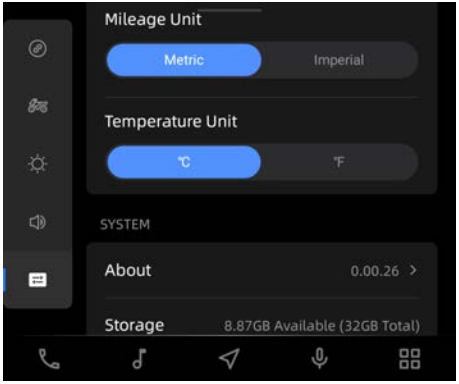
5.5.4 Temperature unit

5.5.5 System information

5.5.6 Reset all







5.5.1 Time Setting

In the time setting menu, users can turn on/off the 24 hour time format, select online time, and select the time zone.

Click the icon ' ' to enter the application center.

Click the icon ' ' to enter Setting.

Click the icon ' ' to enter the general setting interface.

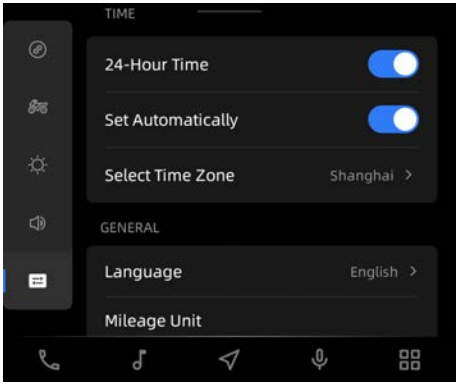
Click the icon ' ' to turn on/off the 24 hours time format.

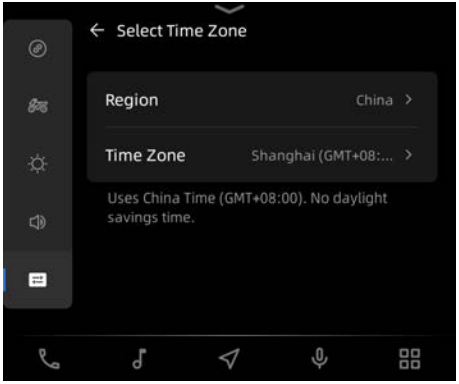
Click the icon ' ' turn on or off the online time.

Users can select the time zone when the online time is turned on.

Click 'Select the time zone' to enter the time zone interface.

Select your located 'area' and 'Time Zone'.





5.5.2 Language

Adjust the instrument's language, switching between Chinese, English and Spanish.

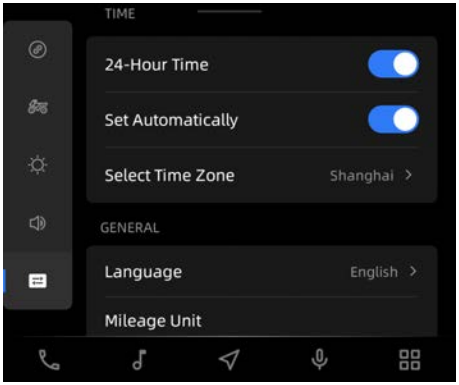
Click the icon '  ' to enter the application center.

Click the icon '  ' to enter Setting.

Click the icon '  ' to enter the general setting interface.

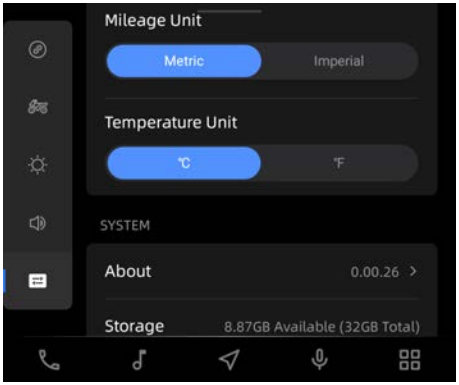
Click 'language' to enter the language interface.

Select the desired language, and confirm your selection.



5.5.3 Mileage Unit / 5.5.4 Temperature Unit

Change units of the mileage 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 general setting interface.

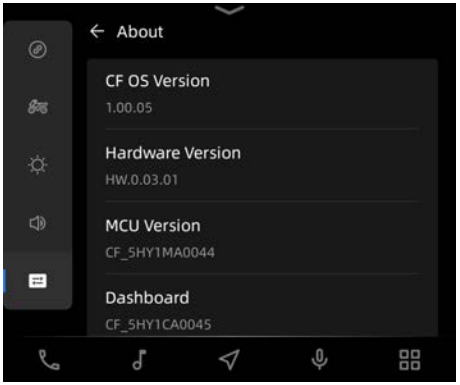
Switching the unit format:

Metric (km/h) Imperial (mph)

^{o}C / ^{o}F

5.5.5 System Information

On the Information interface, users can view the following information:



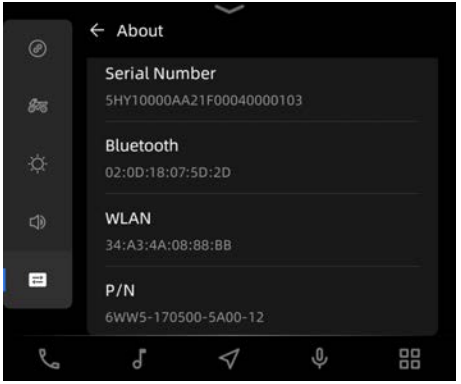
CF OS version
Hardware version
MCU version
Dashboard
Serial Number
Bluetooth address
WLAN address
P/N

Click the icon ' ' to enter the application center.

Click the icon ' ' to enter Setting.

Click the icon ' ' to enter the general setting interface.

Click 'About' to enter the about information page.



5.5.6 Reset All

To reset all instrument settings to factory defaults:

Click the icon ' ' to enter the application center.

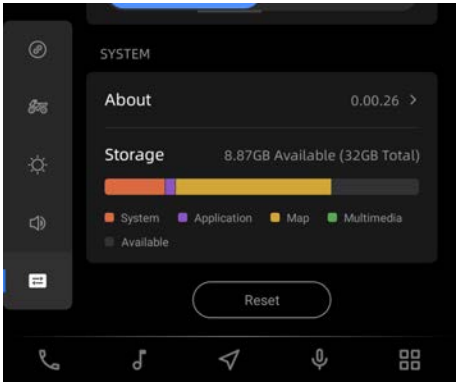
Click the icon ' ' to enter Setting.

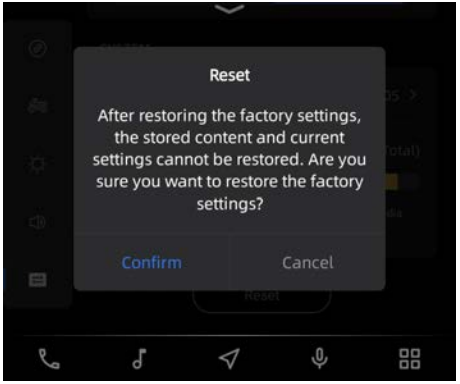
Click the icon ' ' to enter the general setting interface.

Click 'Reset All', the instrument screen will pop up a confirm window.

Click the 'Confirm' to reset to the factory setting state.

NOTE
This function does not reset ODO or related functions.





VIP Center - 6

Users can update the vehicle system in the VIP center interface.

Follow these steps to upgrade the system:

Click the icon '  ' to enter the application center.

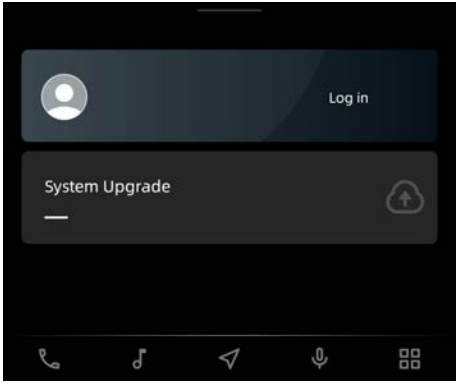
Click the icon '  ' to enter the VIP center.

Click the system to upgrade.

Download the system update file.

Click upgradation, the system will be updated.

NOTE
Park the vehicle safely before upgrading the system and ensure that the vehicle's power battery is full and has a stable network. During the upgrade, the instrument will restart and present a black screen. This is a normal phenomenon. Please wait patiently.



G-force - 7

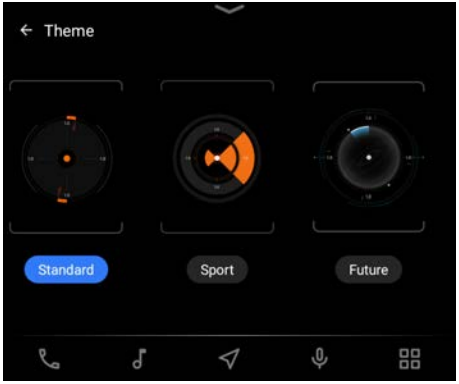
Users can inspect body attitude and switch the subject style on the G-force interface.

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.

Click the style switching to switch the theme.



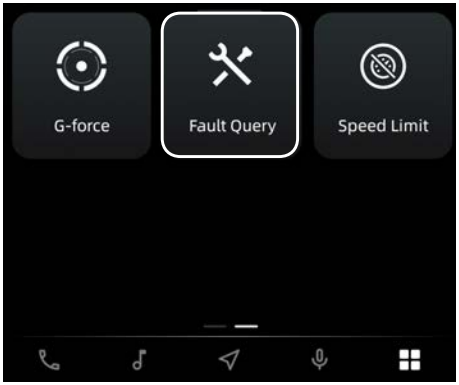
Fault Query - 8

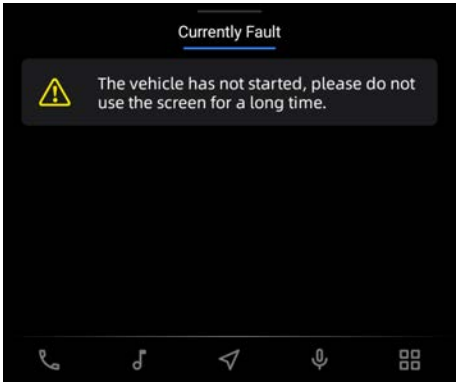
On the Fault Query interface, users can view the fault or fault warning when if the vehicle system detects any fault. If a fault occurs, please contact an authorized CFMOTO service center to diagnose and remove the fault as soon as possible.

Click the icon '  ' to enter the application center.

Click the icon '  ' to enter the fault center.

Inspect the current vehicle fault information.





Speed Limit - 9

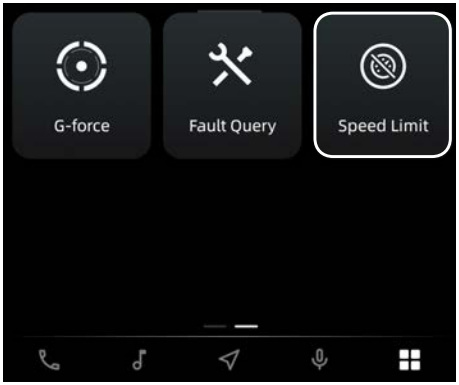
Click the icon ' ' to enter the application center.

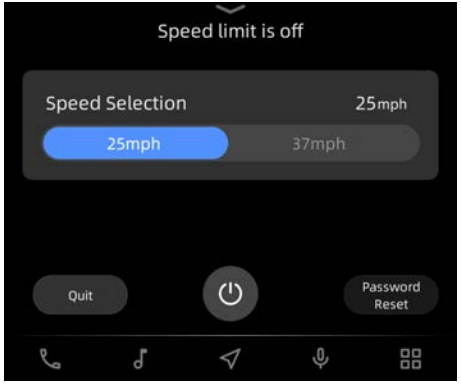
Click the icon ' ' to enter the Speed Limit.

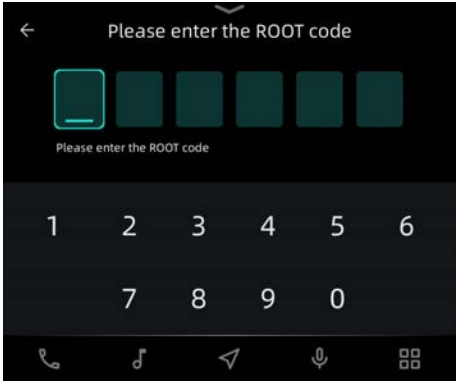
First-time users need to set a PIN code (Please record the PIN code). If the PIN has been forgotten, please contact an authorized CFMOTO service center to reset the PIN code.

Select the desired speed, and click ' ' to turn on the speed limit function. You will see 'Speed limit is turned on' on the upper part of the interface and the indicator is lit.

Click ' ' again to turn off the Speed limit.







Hi Board

Turn on/off the auxiliary function

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

Voice Recognition (VR) 1

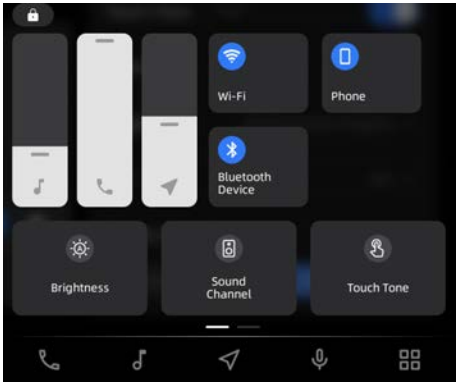
Navigation, music, calls, radio, etc can be turned on and controlled using the voice recognition function.

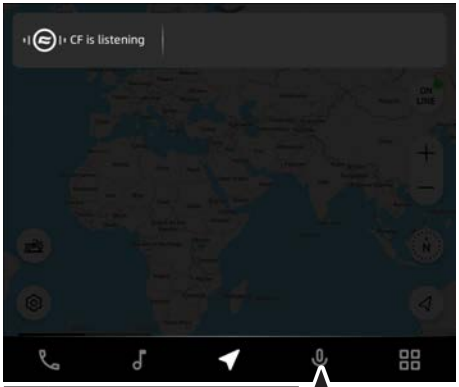
NOTE
A helmet with Bluetooth voice communication is required to be connected before using this function.

How to activate / log out of VR:

Click the icon '  ' on the screen, or press the VR button '  ' on the dashboard. The system will switch Bluetooth to voice recognition mode and an alert will sound (Ding-ding), indicating you can use the function.

When you say 'Cancel' to the voice assistant, you log out of voice recognition.





1	Voice assistant

Voice Recognition (VR) Control Phrases

Global		
Cancel / Quit		
Media		
Play music	Pause music	Stop music
Previous	Next / Next Song/Next Track	Turn off music
Radio		
Open the Radio / Play Radio / Turn on the Radio / Close Radio / Stop Radio	Play FM / Play AM	Play FM 103.7 / Play AM 1000
Next station / Next radio station	Scan radio stations	Stop scanning
Add to favorites	Remove this station from favorites	
Phone		
Call Lisa / Make a call to Lisa / Contact Lisa	Call 13258 / Make a call to 0519853 / Dial 1234567	Call 911 / call…(emergency number)
Call Lisa's mobile number		
Navigation		
Zoom out	Zoom in	

CONTROLS AND FEATURES

System Settings		
Volume up / Increase volume / Raise volume	Volume down / Decrease volume / Reduce volume / Lower volume	Mute
Unmute	Increase volume to max / Set volume to max / Increase navigation volume to max / Set max volume / Increase volume to maximum / Set volume to maximum	Decrease volume to minimum / Set volume to minimum / Reduce Volume to minimum
Increase screen brightness	Decrease screen brightness	Increase screen brightness to maximum
Decrease screen brightness to minimum	Set system / Navigation volume to 25	Set screen brightness to 5
Open		
Open settings / Open settings application	Open apple carplay / Open carplay	Open APP center
Open membership	Open vehicle information Display vehicle information Show vehicle information	

CFMOTO Accessory Bluetooth Communication

CFMOTO's specially-designed Bluetooth communication set for this vehicle (additional accessory) allows the user to connect and state a command without pressing the VR button for the following features:

Feature	Voice Command
Wake up the voice assistance	"Hi, CFMOTO/Hello CF"
Call incoming (not answered) to pick up the call	"Pick up the call"
Call ending (or 'do not answer') to hang up the call	"Hang up the call"
Increase the Bluetooth set volume	"Increase the volume"
Decrease the Bluetooth set volume	"Decrease the volume"
Play the last song	"Last song"
Play the next song	"Next song"
Pause the music	"Pause the music"
Play the music	"Play the music"

Operating Your Vehicle

Break-In Period

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

1. Select an open area that allows room to familiarize yourself with vehicle operation and handling.
2. Place the vehicle 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, fasten the seatbelt, safety nets, or side doors (if equipped), 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 156 miles (250 km), then another 10 hours or 156 miles (250 km) 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 heavy loads during the break-in period.
9. Periodically check coolant level, controls, etc. along with items outlined in the maintenance chart.
10. At the end of the break-in period (20 hours or 311 miles / 500 km), perform the required services listed in the break-in maintenance schedule.

Brake System Break-in

⚠ WARNING
Before the end of the break-in period, the brake system pads and discs are not at their optimal performance and require additional break-in. When operating on new brake pads and discs, do not follow other vehicles too closely or apply the brakes suddenly to avoid traffic accidents.

⚠ CAUTION
During the break-in period: • 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 first 20 hours of use. • Do not run the engine with throttle over 1/2 open during the first 10 hours or 156 miles (250 km) of use. • Do not run the engine with throttle over 3/4 open during the second 10 hours or 156 miles (250 km) to 20 hours or 311 miles (500 km) of use. • Do not haul or tow heavy cargo.

Recommended Engine Oil Viscosity

Use of any oil other than those recommended may cause serious engine damage. CFMOTO recommends the use of 5W-40 synthetic oil for 4-stroke engines. Changing engine oil viscosity to 0W-40 synthetic oil due to extreme cold environments is acceptable. Reference the chart below for ambient temperature and viscosity choice.

Oil Viscosity					5W-40					
					0W-40					
Fº	-31	-22	-4	14	32	50	68	86	104	122
Cº	-35	-30	-20	-10	0	10	20	30	40	50

Pre-Ride Inspection

Before each use of the vehicle, a best practice is to complete the pre-ride inspection checklist.

⚠ 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.

Inspection before riding

Item	Inspection
Tires	Inspect the tires for abnormal air pressure, and adjust according to the load requirement. Inspect the tire surfaces for cracks, tire tread for too shallow.
Rims	Inspect the rims for damage, wheel nuts for proper torque.
Air filter	Inspect the air filter inspection tube for deposits.
CVT	Inspect the CVT inspection tube for deposits.
Radiator	Inspect the radiator for cleanliness.
Engine oil / Transimission oil	Inspect the engine oil level and transmission oil level.
Coolant	Inspect the coolant level.
Brake Fluid	Inspect the brake fluid level.
CV Shaft Boots	Inspect the CV shaft boots for damage.
Gear case	Inspect the gear case for leaks.

Loading cargo	When loading cargo: Inspect the load for exceeding the maximum limit, whether the cargo is distributed evenly, and if the cargo is fastened securely.
	When towing cargo: Inspect the load for exceeding the maximum limit, and the trailer hitch is firmly connected to the towing ball.
Chassis and suspension	Inspect the vehicle chassis and suspension to see if it is damaged.
Driver and passenger	Inspect the driver and passenger in accordance with the driving/riding requirements, whether to wear the protective gear properly. To see whether to fasten the seat belt correctly.
Electronic gearshift	Press each of the buttons to see if the transmission can be shifted smoothly.
Throttle	Inspect the throttle to see whether it is obstructed when using, and it returns quickly to its original position.
Brake	Inspect the brake to feel the pressure / resistance when applied, and the brake pedal returns after it is released.
Electronic parking	Inspect whether the electronic parking function works normally, and whether the switch is reset properly.
START button	Inspect the START button to see whether it can turn on/off the engine, and turn on the vehicle power normally.
Instrument	Inspect the instrument's fault indicators and inspect the fuel to see whether the fuel level is sufficient and battery voltage is above 12.0 Vdc.
Lights	Inspect the low/high beam lights, turning light (if equipped), hazard light (if equipped), brake light, position light, reversing light (if equipped) for proper function and whether the headlight beam height meets local regulations. Check that the light switch functions normally.
Steering	Inspect the steering functions normally, and the height adjustment works well.

2WD-4WD switch / Rear differential button	Verify the vehicle can switch to 2WD front, 4WD front, rear differential-LOCK, 4WD front & rear differential-LOCK state.
Horn switch (If equipped)	Press horn switch to inspect the horn works, and the button resets.
Drive mode button	Inspect the drive mode to see it works, and switches between the drive modes. Inspect the vehicle power matches with the drive mode.
Cargo box switch	Inspect that the cargo lift function and button works.
DAC (Downhill Assist Control)	Inspect the DAC function works and the indicator on the dashboard is lit.
Windshield wiper (If equipped)	Turn on the windshild wiper to inspect it whether works without sticking, and whether the washer nozzle is blocked.
Winch switch	Inspect the winch switch and winch for proper function.
Acceleration and brake test	Drive forward a short distance and test that the brakes function normally and brake pedal response is fast.

Read and practice the following operations after inspecting all the items in the chart. Participating in safety training will help you to better understand this vehicle's capabilities.

Throttle

Before starting the engine, check the throttle pedal to be sure it is operating smoothly. Make sure it returns to the idle position as soon as the pedal is released. Regulate the speed of the vehicle by varying the throttle position. Because the throttle pedal is an electrically operated mechanism controlled by an ECU, the vehicle will decelerate and the engine should return to idle speed any time your foot is removed from the throttle pedal.

Brakes

Before operating the vehicle, push down on the pedal to apply the front and rear brakes. When pressed, the lever or pedal should feel firm. A soft brake pedal 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.

Starting the Engine

⚠ WARNING
The engine exhaust from this product contains chemicals to cause cancer, birth defects or other reproductive harm. The engine exhaust contains carbon monoxide as well as other deadly gases. Do not operate the engine in an enclosed area.

Follow the steps below to start the engine:

- Insert the NFC key into the slot.
- Press down the brake pedal, then press the 'START/STOP' until the engine is started.
- Once the engine starts, continue to warm the engine for a short period before operating the vehicle.

⚠CAUTION
Do not activate the starting system more than 10 seconds on each attempt. If the engine fails to start, release the start switch and foot brake, pause a few seconds before the next attempt, then try the start procedure again. Each attempt should be as short as possible to preserve battery energy. The engine can be started in any transmission position with the foot brake applied. If the indicator light on the dashboard does not come on when a gear is selected, contact your dealer to inspect the indicator electrical circuit. Allow the engine to warm up for a short period before operating the vehicle. Operating the vehicle immediately at high RPM after starting could cause engine damage. Do not operate the starter system constantly when the engine fails to start. Failure of the engine to start after prolonged attempts may lead to starter motor burn-out.

Shifting the Transmission

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

Follow the steps below to shift the transmission:

- Verify the throttle is closed and the vehicle is stopped completely.
- Apply the foot brake.
- Press the desired gear selector button.
- Release the electronic park brake, or apply the throttle to release the park brake automatically.

L – Low Gear. The low speed range of the transmission. It allows the vehicle to move slowly with maximum torque at the wheels. Use when prolonged forward speed is below 19 mph [30 kph].

H – High Gear. The high speed range of the transmission. It is the normal driving range and allows the vehicle to reach its maximum speed. Use when prolonged forward speeds will be more than 19 mph [30 kph].

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

R – Reverse. The reverse gear position allows the vehicle to go backwards. Speed is limited in reverse.

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

⚠**WARNING**
When shifting the transmission, always verify the throttle is closed, the vehicle is stopped completely and the foot brake is applied. Otherwise, gear shifting cannot be performed, engine damage could result, or it could cause an accident.
The gear indicator should display the actual gear. If the indicator on the dashboard appears wrong, please contact your dealer to inspect the shifting system and circuits.
Do not constantly operate at slow speed or transport heavy cargo using high gear, which can cause the clutch system to overheat and damage CVT components.
Operating in reverse is extremely dangerous. Make sure there are no obstacles or people behind you before shifting to reverse. When it is safe to proceed, go slowly.
Avoid excessive throttle operation while in speed limit mode, as it may cause fuel to build in the exhaust, resulting in engine popping and/or engine damage.

Safe Operation - Driving Safely

Responsibilities of the Operator

As the operator of this vehicle, your common sense, judgment, 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 UTV 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 vehicles close by. Stay on designated trails and riding areas, and discourage others from operating in unauthorized locations.

Avoiding Accidents, Rollovers and Tip-overs

UTVs handle differently from other vehicles. UTVs are designed to handle off-road terrain (for example, the wheel base and track width, ground clearance, suspension, drive train, tires, etc.) and as a result, can overturn in situations where vehicles designed for use primarily on paved or smooth terrain may not.

A rollover or other accident can occur quickly during abrupt maneuvers such as:

- Sharp turns or hard acceleration.
- Deceleration when turning.
- When driving on hills or over obstacles.

SAFE OPERATION - DRIVING SAFETY

Abrupt maneuvers or aggressive driving can cause rollovers or loss of control even in flat open areas. If the vehicle rolls over, any part of your body (such as arms, legs, or head) outside of the cab can be crushed and trapped by the cage or other parts of the vehicle. Severe inury or death can occur by impact with the ground, cab, or other objects.

To reduce the risk of rollovers:

- Use care when turning.
- Adjust steering inputs accordingly to your speed and environment.
- Slow down before entering a turn.
- Avoid hard braking during a turn.
- Avoid sudden or hard acceleration when turning, even from a stop or low speed.
- Never attempt donuts, skids, slides, fishtails, jumps, or other stunts.
- If vehicle starts to skid or slide, steer in the direction of the skid or slide.
- Never slam the brakes and lock the wheels.
- This vehicle is built primarily for OFF-ROAD purposes. Riding on paved surfaces may seriously affect vehicle handling and control. If you must drive on paved surfaces for a short distance, reduce speed and avoid abrupt inputs to the steering wheel, accelerator, and brake pedal.

This vehicle can roll over sideways, or tip over forward or backwards on slopes or uneven terrain:

- Avoid side-hilling (driving along the slope rather than up or down a hill). When possible, drive straight up and down inclines rather than across them. If you must side-hill, use extreme caution and avoid slippery surfaces, objects, or depressions. If you feel the vehicle start to rollover or slide sideways, steer downhill if possible.
- Avoid steep hills and follow procedures in this manual for climbing and descending hills.

- Sudden changes in terrain such as holes, depressions, banks, softer or harder ground or other irregularities may cause the vehicle to tip or become unstable. Observe the terrain ahead and slow down in areas of uneven terrain.

This vehicle will handle differently when carrying or pulling a load:

- Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer.
- Avoid hills and rough terrain.
- Allow more distance to stop.

Be prepared in case of rollover:

- Latch side doors or side nets and fasten seat belts to help you stay secured in the vehicle.
- Never grab the cage while riding. Hands can be crushed between the cage and the ground in a rollover. Keep hands on the steering wheel or handhold.
- Never try to stop a rollover using your arms or legs. If you think that the vehicle may tip or roll, the driver should keep both hands on the steering wheel and both feet firmly planted on the floor. The passenger should keep both hands on the handhold and both feet firmly planted on the floor.

Avoiding Collisions

At higher speeds, there is an increased risk of losing control, particularly in challenging off-road conditions, and the risk of injury in a collision is greater. Never operate at excessive speeds. Always operate at a speed that is proper for the terrain, visibility, and operating conditions, and your experience. This vehicle does not have the same kind of protection for collisions as a car. For example; there are no air bags, the cab is not fully enclosed, and it is not designed for collisions with other vehicles. Therefore, it is particularly important to fasten seat belts, latch side doors or side nets (if equipped), and wear proper riding gear.

Respect Your Environment

Off-road 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.

Practice Exercises

Before you go out for a ride, it is very important to familiarize yourself with the handling of your vehicle by practicing in a controlled environment. Find a suitable area to practice and perform the following exercises. It should be at least 147x147 ft. (45x45 m), and free of obstacles like trees and large rocks.

Note how your vehicle reacts in these different exercises. CFMOTO recommends releasing the throttle before entering a turn to help initiate directional change. You will feel lateral forces increasing with the speed and your steering input. This lateral force should be as low as possible to make sure it does not cause the vehicle to roll over.

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

NOTE
Low gear is the preferred transmission gear selection when constant forward speed will be less than 19 mph [30 kph]). Do not use high gear for continuous slow speed travel or towing, as this can lead to excessive heating of the CVT system, which can damage components.

SAFE OPERATION - DRIVING SAFETY

Basic Driving Procedure

Familiarize yourself with engine start and gearshift operation. Follow these steps to practice:

- Be aware of the obstacles around you, and confirm your route.
- When you sit in the driver's seat, fasten your seat belt, then place both hands on the steering and both feet firmly on the floor.
- Practice 'start the engine' (foot brake applied).
- Practice 'shifting the transmission' into low gear (foot brake applied).
- Release the brake.
- Gently apply the throttle with your right foot. Slowly and steadily apply throttle. The speed of the vehicle is controlled by the amount of throttle pedal applied. If you apply the throttle aggressively it will cause sudden acceleration.
- Start riding and practicing throttle / brake operation to get familiar with the vehicle response:
    - Practice braking at low speed first, then increase the speed.
    - Practice braking in a straight line at different speeds and different braking forces.
    - Practice emergency braking. Optimal braking is obtained in a straight line with high force applied, and without locking the wheels.
- After you are familiar with throttle and brake operation, start learning the basic skills such as turning and reversing, etc. Remember, staying in control depends on vehicle speed, load, and the type of surface. Also, tire and brake conditions play a major role.

Turning Exercise

Turning is one of the most practical skills, however, it is the most frequent causes of accidents. It is easier for the vehicle to lose traction or rollover if you turn too sharply, or go too fast during a turn. Being familiar with turning skills can help you enjoy the riding experience and reduce the possibility of accidents.

Practice turning:

- Slow down as you approach the turn.
- Review your route, and ensure there are no obstacles around.
- Reapply the throttle slowly and turn the steering wheel in the desired direction. The turning angle should be as wide as possible, which will reduce the possibility of rollover.
- Return the steering to center when vehicle turning has completed to the desired direction.
- Repeat the turning exercise, but this time maintain a light, steady throttle level while turning.
- Use the above methods to practice left and right turning, and then practice left and right U-turns.
- Attempts at quicker turns can be performed after you are familiar with turning at slow speeds.

⚠**WARNING**
The sharper the steering angle, the higher possibility of a rollover. Try to use wide-angle turns.
Do not make turns at high speed. The faster the turn, the easier a rollover can happen.
Sudden changes in throttle while turning can cause loss of control and a rollover.
Avoid practicing on paved roads. Different operating habits and driving experience are required to reduce the risk of rollover.

Making turns on paved surfaces is dangerous. If it is unavoidable, always stay cautious and operate at a slow speed, while using all the skills you learned.

Reverse Exercise

Reverse is another basic driving skill, but due to limited view during this operation, reverse is easier to have an accident happen. Always observe the area around the vehicle during reverse operation, which can reduce an accident from happening.

Reverse view inspection

- Place a cone marker on both sides of the vehicle beside each rear wheel.
- Drive the vehicle forward until you can see the cone markers behind you through the rearview mirror or by turning your head, then stop the vehicle. Observe the distance to the cone marker and make note of it.
- Stop the vehicle and acknowledge your blind spots.
- Stay cautious all the time during the procedure.

Practice using reverse:

- Practice 'shifting the transmission' into reverse gear.
- Release the brake and slowly apply the throttle after making sure the area is safe.
- When operating in reverse, verify the path behind the vehicle is free of people, obstacles, or a steep downhill. Pay attention to blind spots. When it is safe to proceed in reverse, go slowly and avoid sharp turns.
- Become familiar with the vehicle reactions when using reverse.

Practice steering in reverse after becoming familiar with reverse operation:

- Shift the transmission to reverse gear.
- Inspect that behind the vehicle is free of people, obstacles or downhill.
- Turn the steering to the desired direction and ensure that the turning angle is wide as possible to reduce the possibility of a rollover, then gently apply the throttle.
- Return the steering to center and brake when vehicle turning has completed to the desired direction.
- Become familiar with the vehicle reactions when operating and turning in reverse.
- Use the methods above to practice left and right turning in reverse.

⚠ WARNING
Failure to use caution when operating in reverse can result in serious injury or death. This vehicle is equipped with a reverse speed limiter function. Do not operate at full open throttle or apply sudden throttle when driving in reverse. Open the throttle just enough to maintain a desired speed. Do not drive downhill in reverse. When driving downhill in reverse, gravity can increase the vehicle speed above the set limited reverse speed. When operating in reverse, slightly braking can help you better control the vehicle. Sharp turning in reverse increases the risk of a roll over.

Operating Your Vehicle

Off-Road Operation

The very nature of off-road operation is dangerous. Any terrain which has not been specially prepared to carry vehicles presents an inherent danger where terrain substance, shape, and steepness are unpredictable. The terrain itself presents a continual element of danger, which must be knowingly accepted by anyone venturing over it.

An operator who takes a vehicle off-road should always exercise the utmost care in selecting the safest path and keeping close watch on the terrain ahead. This vehicle should never be operated by anyone who is not completely familiar with the driving instructions applicable to the vehicle, nor should it be operated on steep or treacherous terrain.

General Driving Tips

Care, caution, experience and driving skill are the best precautions against the hazards of vehicle operation. Whenever there is the slightest doubt that the vehicle can safely negotiate an obstacle or a particular piece of terrain, always choose an alternate route. In off-road operation, power and traction, not speed, are important. Never drive faster than visibility and your ability to select a safe route permit. Never operate the vehicle if the controls do not function normally. See your dealer.

Crossing Paved Roads

If you must cross a paved road, ensure you have complete visibility in both directions for oncoming traffic and decide on an exit point on other side of the road. Drive in a straight line toward that point. Do not make sharp direction changes or abrupt accelerations, as it may result in a loss of control. Do not operate on sidewalks or bicycle trails, etc. or any paved surfaces designated specifically for special types of use.

Riding on Slippery Terrain

Slippery terrain includes: Muddy roads, loose gravel, any area that is wet, icy, snow covered, etc.

Riding on slippery terrain may cause a skid, rollover, long braking distance, etc. Riding on loose gravel may cause stones to be ejected rearwards which could hit other people or to affect another vehicle's route.

Pay attention to the following items when riding on slippery terrain:

- Reduce your speed when entering slippery terrain.
- Do not enter slippery terrain that you are not familiar with.
- Always keep cautious, be familiar with the terrain, and avoid sharp turns.
- If the rear of the vehicle begins to slide or skid, turn the steering in the same direction of the slid or skid to help you gain quicker control of the vehicle.
- Do not apply the brakes when the vehicle is sliding or skidding.
- Use 4WD mode or 4WD FRONT DIFF-LOCK mode (turn on the rear gear case differential lock mode at the same time) to help you navigate slippery terrain safely.

Riding on Rough Terrain

Rough terrain includes: large rocky paths or trails

Riding on rough terrain may cause the vehicle to rollover, or become stuck, etc.

Pay attention to the following items when riding on rough terrain:

- Reduce speed when riding on rough terrain.
- Do not enter an area that you are not familiar with.
- Be aware of the distribution of the terrain and avoid riding over protruding stones, depressions, etc
- Do not make sharp turns.
- Switching to 4WD front DIFF-LOCK mode (turn on rear gearcase DIFF-LOCK mode at the same time) will help you better navigate rough terrain.

Crossing Obstacles

Obstacles such as rocks, fallen trees, and depressions should be traversed with caution or avoided whenever possible. As a guideline, remember that some obstacles can be too large or too dangerous to cross. Improper crossing will cause accidents, such as vehicle rollover and possible ejection from the vehicle.

Pay attention to the following items when navigating obstacles:

- Avoid them whenever possible.
- Never attempt to cross an obstacle higher than the ground clearance of the vehicle.
- When navigating over obstacles, try to approach at low speed and as much a right angle as possible.
- Maintain speed without losing momentum and do not accelerate abruptly.
- The vehicle may jostle unexpectedly over obstacles. Rider should always firmly grasp the hand holds and steering / passenger should always grasp the passenger handhold.

Shallow Water Crossing

Water can be a unique hazard. You may encounter slippery rocks, logs, muddy silt, or become stuck in the water. Water depth and current are particularly dangerous. If the water is too deep or the current is too fast the vehicle may “float” and topple.

Pay attention to the following items when attempting a water crossing:

- Check the water depth and current before you attempt to cross any water. Water depth should not exceed the bottom of the floorboard.
- Try to cross a water flow at a stable speed whenever possible.
- Always assume there may be various obstacles in the water. Do not enter the water at high speed.
- Make sure you dry the brakes by applying them several times while driving slowly after leaving the water. Water will affect the braking ability of your vehicle.
- Silt or swampy terrain may be near the water area, so be prepared to act quickly for sudden depressions or changes to the terrain in advance.

If the CVT becomes submerged when crossing deep water or from other causes, it can cause the drive belt to slip, and performance is reduced. Follow these steps below to dry the CVT system:

- Remove the CVT drain bolt and drain out the water.
- Reinstall the drain bolt.
- Shift the transmission to Neutral, then raise the engine RPM to engage the drive belt and help dry out the CVT system.
- Test the vehicle performance in low gear.
- Repeat the above procedures as necessary. If the drive belt still slips or vehicle performance is not satisfactory, see your dealer.

⚠WARNING
If the vehicle becomes fully submerged, it will be necessary to have it transported to your dealer as soon as possible. Do not attempt to re-start the engine, as water may have been ingested into the cylinders, which can cause internal damage.

Perform a thorough inspection of the vehicle after the vehicle crosses water or is immersed in water.

Extra attention should be given to these items:

- Engine and Transmission oil
- Radiator and Fan
- Front gear case oil
- Air filter
- All lubrication points
- Motor/compressor belt, motor, compressor, idle gear, pulley (If equipped)

If a full inspection is not performed, it may cause component failure.

Riding in Mud, Ice or Snow

Mud, ice, and snow make it much more difficult when operating on slippery or rough terrain or passing over obstacles. Tire grip is generally reduced, with long braking distances, and the vehicle reacts differently to control inputs from the operator.

Falling snow and rain on the vehicle can cause ice and/or snow accumulations that may obstruct the visibility of windows and lights, clog ventilation openings, block the radiator and fan, interfere with steering controls and affect operation of the throttle and brakes. Snow accumulation may cover and hide the original terrain conditions, obstacles, and even obscure terrain defects such as deep potholes, depressions, and irregular road edges.

Do not travel in unfamiliar areas with snow accumulations or icy areas whenever possible. If riding in snow is unavoidable, always stay cautious, reduce your speed, do not travel in unfamiliar areas, and use the brake frequently.

Clean ice and/or snow accumulations from the vehicle and all moving parts (brakes, steering, suspension, transmission shifting, switches, radiator) after riding in snow. Melting snow will freeze while parked, and it will be harder to remove before the next pre-ride inspection.

Riding on Sand

Sand and riding on sand dunes is a unique experience, but there are some basic precautions that should be fully understand before operating on this type of terrain.

Wet, deep, or fine sand may create a loss of traction and cause the vehicle to slide, drop off or become “bogged” down. If this occurs, look for a firmer base. Again, the best advice is to slow down and be watchful of the conditions.

When riding on sand dunes, it is advisable to equip the vehicle with an antenna-type safety flag. This will help make your location more visible to others over the next sand dune. Proceed carefully should you see another safety flag ahead.

Hill Driving Conditions

When driving on hills or slopes, two things are highly important: be prepared for slippery surfaces or terrain variations, obstacles, and brace yourself properly inside vehicle. If you climb or descend a hill that is too slippery or has too loose a surface, you can lose control. If you go over the top of a hill at high speed, you may not have time to prepare for the terrain or obstacles on the other side.

Avoid parking on a slope. Always activate the electronic brake and put the transmission in PARK when stopped or parked on an incline to avoid rolling. If you must park on a steep incline, it is recommended to block the wheels on the downhill side using rocks or other suitable material.

Uphill Driving

Pay attention to the following items when uphill driving:

- Visually inspect the angle of the slope. Do not drive up hills exceeding 22°.
- Use low gear (L) for uphill driving.
- Drive directly uphill and maintain a steady speed.
- Keep your foot positioned and ready to apply the brake pedal and hold the steering tightly to avoid loss of balance.
- Always be cautious and be prepared to apply emergency measures.
- Switching to 4WD or 4WD-LOCK mode will help you better control the vehicle.
- If you feel that the slope is becoming too steep to climb, or is due to a loss of forward power, apply the 'Parking on an incline' method and then take an alternate route.
- If the vehicle slides backward when uphill driving, apply the 'Parking on an incline' method.

Downhill Driving

Pay attention to the following items when downhill driving:

- Visually inspect the angle of the slope. Do not drive down hills exceeding 22°.
- Use low gear (L) for downhill driving.
- Drive directly downhill and maintain a steady speed.
- Keep your foot positioned and ready to apply the brake pedal and hold the steering tightly to avoid loss of balance.
- Apply the proper amount of brake to reduce your speed.
- Switching to 4WD front DIFF-LOCK mode (turn on rear gearcase DIFF-LOCK mode at the same time) will help you better navigate rough terrain.

⚠WARNING
High-speed downhill operation may cause a loss of vehicle control, leading to serious injury or death. Decelerate while negotiating a downhill slope.

Cresting Over Hills

When cresting over a hill:

- Reduce your speed to give yourself enough time to react to obstacles or terrain on the other side.

Crossing a hillside

Crossing a hillside is a very dangerous type of driving, you should avoid them whenever possible. If you ride on the steep slope may tip over. In addition, the slippery surface or loose road will cause the slides. Avoid all the objects or depressions that will accelerate the vehicle from one side higher than the other.

Follow the items below to crossing a hillside:

- Put the transmission to a low gear and reduce the speed.
- Slightly steering to the mountain side to maintain a steering direction.
- If the vehicle has a tilt tendency, steering the front wheel to the downhill direction as soon as possible.

⚠WARNING
Always keep cautious when loading and transporting the reservoir. When crossing a hillside, it will increase force in the downhill direction, thus affecting the stability and increasing the risk of rollover.

Parking on an Incline

Try to avoid parking on an incline. The vehicle may slide and fall after the operator leaves, and starting the vehicle becomes more difficult.

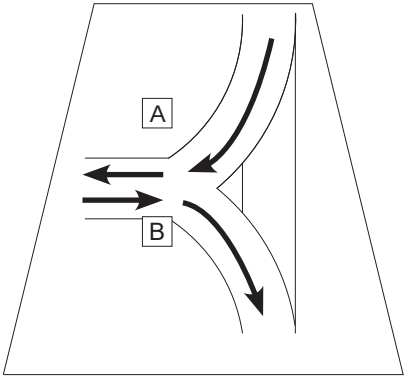
If it is unavoidable, follow these procedures to park on an incline:

- Keep the vehicle pointed vertical to the incline.
- Turn off the engine.
- Put the transmission into P gear, and set the electronic park brake system.
- Use an obstacle (such as a rock, etc.) to block the wheels on the downhill side to prevent the vehicle from sliding or rolling.
- Avoid parking on icy, slippery, or snow-covered inclines.

Turning Around on a Hill (K-Turn)

If the vehicle must be turned around while climbing a hill, you can use the "K-turn" method to safely return downlhill. Mastering the K-turn can increase the possibility maneuvering out of a predicament, and it helps avoid injuries caused by incorrect operation which can make the vehicle roll over or tip over.

Follow these steps to turn around on a hill:



1. Release the throttle, firmly apply the brakes (press on the brake pedal), and stop the vehicle.
2. Keeping your right foot on the brake pedal, shift the transmission to Reverse (R) gear.
3. Turn the steering to the left, and gently release the brake pedal. Do not apply throttle.
4. Reverse slowly in direction 'A', keeping control of the vehicle by varying brake pressure with your right foot.
5. Once the vehicle achieves a horizontal angle to the incline, press down the brake pedal and shift the transmission into Park (P) and apply the electric parking brake, then release the foot brake.
6. Press the DAC (Downhill Assist Control) button to turn on the downhill control function (wait until the indicator light displays on the dashboard).
7. Shift the transmission to Low (L) gear.
8. Turn the steering to the right, lift your right foot to release the brake, and gently apply the throttle pedal to release the electric parking brake. Drive in direction 'B' downhill. Utilize the engine transmission and DAC to maintain speed. Always stay cautious while driving downhill and position your right foot on the brake pedal to ensure you can quickly brake if necessary until the vehicle reaches flat terrain.

Exiting the Vehicle on an Incline

Follow these steps to exit the vehicle on an incline:

- Put the transmission into Park, verify the electronic parking system is enabled and the engine is turned off.
- If the vehicle is positioned horizontal on an incline, exit the vehicle in the uphill direction.
- If the vehicle is positioned vertical on an incline, exit the vehicle in either direction.

Riding on Paved Surfaces

This vehicle is not designed to operate on paved surfaces. Avoid riding on paved surfaces.

Some countries and regions prohibit driving on paved surfaces. Before driving, please check and follow the local laws and regulations. Do not ride in prohibited areas. Instead, transport your vehicle with a trailer or truck, etc.

If you must drive on pavement, follow the below items:

- Reduce your speed and avoid sudden turning, acceleration or braking.
- Be aware of the other vehicles on the paved road, and keep a safe distance from them.
- When crossing a paved road, inspect for oncoming vehicles in the left and right direction frequently.

Hauling and Towing Loads

Your vehicle can help you perform a number of different tasks ranging from snow removal, to pulling wood, or carrying cargo. This can change the vehicle handling. To prevent possible injury, follow the instructions and warnings in this manual and on the vehicle.

Always respect the load limits of the vehicle. Overloading the vehicle can over-stress the components and cause failure.

Carrying Loads

U10 PRO: The load limit of the vehicle including the weight of operator, passenger, cargo box load (including towing hitch weight), total weight of the accessory storage and optional parts: 1651 lb. (749 kg) / 1250 lb. (567 kg - California)

U10 PRO HIGHLAND: The load limit of the vehicle including the weight of operator, passenger, cargo box load (including towing hitch weight), total weight of the accessory storage and optional parts: 1602 lb. (727 kg) / 1202 lb (545 kg - California)

Following is an example of suitable total vehicle load distribution:

EXAMPLE OF SUITABLE VEHICLE TOTAL LOADS				
Model	**Operator and Passengers**	**Cargo Box Load (Maximum Permissible Vertical Load On The Coupling Point)**	**Accessory storage and optional parts**	**Total Vehicle Load**
U10 PRO	529 lb. (240 kg)	1000 lb. (454 kg) 123 lb. (56kg)	121 lb. (55 kg)	1651 lb. (749 kg)
		California: 600 lb. (272 kg) 123 lb. (56kg)		1250 lb. (567 kg)
U10 PRO HIGHLAND	529 lb. (240 kg)	1000 lb. (454 kg) 123 lb. (56kg)	72 lb. (33 kg)	1602 lb. (727 kg)
		California: 600 lb. (272 kg) 123 lb. (56kg)		1202 lb. (545 kg)

⚠ WARNING
LOW GEAR is recommended when total payload is greater than 265 kg (584 lb.)

U10 XL PRO: The load limit of the vehicle including the weight of operator, passenger, cargo box load (including towing hitch weight), total weight of the accessory storage and optional parts: 1614 lb. (732 kg) / 1212 lb. (550 kg - California)

U10 XL PRO HIGHLAND: The load limit of the vehicle including the weight of operator, passenger, cargo box load (including towing hitch weight), total weight of the accessory storage and optional parts: 1268 lb. (575 kg) / 866 lb (393 kg - California)

Following is an example of suitable total vehicle load distribution:

EXAMPLE OF SUITABLE VEHICLE TOTAL LOADS				
Model	**Operator and Passengers**	**Cargo Box Load (Maximum Permissible Vertical Load On The Coupling Point)**	**Accessory storage and optional parts**	**Total Vehicle Load**
U10 XL PRO	705 lb. (320 kg)	882 lb. (400 kg) 123 lb. (56kg)	26 lb. (12 kg)	1614 lb. (732 kg)
		California: 480 lb. (218 kg) 123 lb. (56kg)		1212 lb. (550 kg)
U10 XL PRO HIGHLAND	705 lb. (320 kg)	529 lb. (240 kg) 123 lb. (56kg)	33 lb. (15 kg)	1268 lb. (575 kg)
		California: 480 lb. (218 kg) 123 lb. (56kg)		866 lb. (393 kg)

⚠ WARNING
LOW GEAR is recommended when total payload is greater than 265 kg (584 lb.)

NOTE
Users can distribute or adjust the load reasonably within the vehicle's total load limit range.

Vehicle Settings When Carrying Loads

If the total load approaches to the total rated vehicle load, including weight of operator, passenger, cargo, accessories and trailer tongue weight:

- Inflate the tires to maximum pressure.
- Readjust the suspension coil spring pre-load accordingly.
- Operate with the transmission in L (low gear) when carrying loads in the cargo box and/or pulling a trailer.

Load Distribution

Your vehicle 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.
- Reduce speed when operating over rough or hilly terrain with loads or towing, or when hauling cargo to maintain stable driving conditions.

Pulling or Towing

Your vehicle is equipped with a hitch receiver and winch (if equipped) for towing or pulling.

Pulling a Load

- Never pull a load by attaching it to the cage. This can cause the vehicle to tip over. Use only the trailer hitch or winch (if equipped) to pull a load.
- When pulling loads with a chain or cable, ensure that there is no slack before starting to pull and maintain tension while pulling.

⚠ WARNING
Slack can cause a chain or cable to break and snap back, possibly causing injury.

- When pulling a load, respect the maximum hauling capacity.
- If pulling another vehicle, be sure that someone is controlling the pulled vehicle. They must brake and steer to prevent the vehicle from going out of control.
- Reduce your speed when pulling a load and turn gradually to avoid chains, straps, ropes or cables from catching on the rear wheels. Avoid hills and rough terrain. Never attempt steep hills. Allow more distance for braking, especially on inclined surfaces. Be careful not to skid or slide.
- Before pulling loads with a winch (If equipped), refer to the winch operation section of this manual.

Towing a Load

If a trailer is used behind the vehicle, make sure that its hitch (if equipped) is compatible with the one on the vehicle. Make sure the trailer is horizontal with the vehicle. Use safety chains or cables to keep the trailer secured to the vehicle in the event of a hitch failure.

Improperly loading a trailer may cause loss of control. Respect the recommended maximum hauling capacity and maximum tongue load. Make sure there is at least some weight on the tongue. 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 drive belt issues.
- Reduce speed when hauling or towing loads.
- Never exceed the stated load capacity for this vehicle.

SAFE OPERATION - DRIVING SAFETY

- 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 load to maintain stable driving conditions.
- Use extreme caution when applying brakes with a loaded vehicle. Avoid terrain or situations that may require backing downhill.
- Load weight distribution should be 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 cargo area, stability and maneuverability may be adversely affected, causing the machine to overturn.
- Towing a load while carrying cargo may cause an imbalanced condition that increases the possibility of vehicle overturn. Balance loads proportionally, but do not exceed the stated load capacity.
- Always attach to the tow using the hitch point and hardware specifically made for towing. Never exceed the recommended Towing Hitch 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.
- When stopped or parked, block the vehicle and trailer wheels to prevent possible movement.
- Use caution when disconnecting a loaded trailer. The trailer or its load may topple on you or others.

MAXIMUM HAULING CAPACITY			
Type of Attachment	**Trailer Load Allowed**	**Trailer Hitch Weight Allowed**	**Note**
2 × 2 in. (50 × 50 mm) tow bar (If equipped)	2500 lb. (1134 kg)	123 lb. (56 kg)	Includes trailer and trailer load.

⚠ WARNING

When the trailer load approaches 2500 lb. (1134 kg) and the vehicle is operated on a flat surface, to ensure safety and prevent vehicle damage, the following measures should be taken:

- Vehicle unloaded
- Switch to 4WD or 4WD FRONT DIFF-LOCK mode (turn on rear differential lock mode at the same time)
- Reduce the speed to under 9 mph (15 km/h)
- Use low gear to increase traction and stability

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, removing brush, etc.

Consider practicing the operation and use of your winch before you actually need to use it.

The safety warnings, operating precautions and instructions in this section apply if your vehicle came equipped with a winch, or if you choose to install an accessory winch on your vehicle:

Winch Safety Warnings

These safety warnings apply if your vehicle is equipped with a winch, or if you choose to install an accessory winch on your vehicle:

- 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, hair, clothing, and jewelry clear of the winch cable, fairlead, and hook during winch operation.
- Always keep the area around the vehicle, winch, winch cable and load clear of people, pets, and distractions during winch 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.
- 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 drum on the winch when the winch 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 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 Precautions

These operating precautions should always be followed if your vehicle is equipped with a winch, or if you choose to install an accessory winch on your vehicle:

- Always inspect your winch and winch cable before each use.
- Always use the provided hook strap when pulling cable out or guiding cable in. Never grab the hook.
- Always align the load directly in front of the vehicle and winch as much as possible. Avoid winching with the cable at a sharp angle to the winching vehicle's centerline whenever possible.

If winching at an angle is unavoidable, follow these precautions while operating:

A. Look at the winch drum occasionally. Never let the winch cable "stack" or accumulate at one end of the drum. Too much cable at one end of the drum can damage the winch and cable.

B. If cable stacking occurs, stop winching. Follow the 'Winch Cable Spooling Guidelines' section in this manual to redistribute the cable evenly before continuing.

- 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 full turns of cable wrapped around the winch drum at all times. The friction provided by the wrapped cable allows the drum to pull on the winch cable and move the load.
- Never grease or oil the winch cable. This will cause the winch cable to collect debris that will shorten the life of the cable.
- The winch motor and relay connector 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's 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 Precautions*** on the preceding pages before using your winch.

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

- Take your time to 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.

1. Always inspect the vehicle, winch, cable and controls for signs of damage or parts in need of repair or replace before each use. Pay particular attention to the first 3 feet (1 meter) of winch cable if the winch is used (or has been used) for lifting a plow. Promptly replace any 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.

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

4. Attach the hook onto the load, or use a tow strap or chain to secure the load to the winch hook. Never hook the winch cable back onto itself. This can damage the winch cable and result in cable failure.

⚠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 tow straps or chains that do not stretch.

5. Re-engage the winch drum.
6. Slowly winch in slack of the winch cable until it is gone, then stop and follow the instructions for 'winch damping' to ensure safe operation:
   A. Place a damper on the mid-point of winch cable length to absorb energy that could be released by a winch cable failure. A damper can be a heavy jacket, tarp, or other soft, dense object. A damper can absorb much of the energy released if the cable breaks during winching. Even a tree limb can help as a damper if no other items are available to you.
   B. Lay the damper on top of 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 rewind 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 the spooling of the winch cable and reduce the load on the fairlead.

C. Attach the winch hook to an anchor point. NOTE: If freeing a stuck vehicle by attaching to a tree, use an item such as a tow strap to avoid damaging the tree 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 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.

⚠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 rewind 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 winch 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 rewind 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:

- If equipped with a winch cable made of wire rope that is kinked, deformed, or bent is permanently and severely damaged. Promptly discontinue use of 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 of 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 of a winch cable in this condition.

- Replace synthetic winch cable 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 of a winch cable in this condition.
- Never replace a 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. This will cause the cable to collect debris that will shorten the life of the cable.
- 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, especially if winching at an angle, it may be necessary to respool 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 winch cable that is wrapped unevenly onto the drum.

C. Re-engage the winch drum.

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

E. Slowly 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 turn the winch ON and OFF repeatedly (''jogging"). This is a form of shock loading. This 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 object with your winch. Towing with a winch produces shock loading even when towing at slow speeds. Towing from 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.

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, always use genuine parts available from your dealer.

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.

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

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%.

MAINTENANCE

⚠WARNING
Procedures marked as '■' means if repair procedure 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

General Recommended Lubrication

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 (900 km), before long periods of storage, after pressure washing, or after submerging drive system.

Item	Lubricant	Method
Engine oil	SAE 5W-40 / SAE 0W-40 "SP" or higher synthetic oil	Unscrew, clean, insert and pull out dipstick to check oil level
Transmission / Rear differential oil	SAE 75W-90 GL-5	Inspect that the oil level is between upper and lower lines at the view window
Brake fluid	DOT 4	Maintain level between upper and lower lines
Front gear case oil	SAE 80W-90 GL-5	Oil capacity: 8.4oz. (250 ml)
Suspension pivots and drivetrain	All-Season Grease	Grease gun - Pump grease until it begins to flow from the pivot point

Pre-Ride Maintenance Checklist

Perform these inspections before operating the vehicle:

Item		Pre-Ride Maintenance (Perform 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	-	
	foot brake function	-	Pre-Ride	-	
	Brake system function	-	Pre-Ride	-	
	Wheels / fasteners	-	Pre-Ride	-	
	Engine oil level	-	Pre-Ride	-	

Maintenance Icon Keys

► = 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.

MAINTENANCE

Item		Pre-Ride Maintenance (Perform before operation)			
		Hour	Calendar	Miles (km)	Remarks
►	Air filter element/Air filter and its connector	-	Pre-Ride	-	Visually inspect, replace it if dirty.
►	Air filter deposits inspection tube	-	Pre-Ride	-	Inspect: If deposits are visible, clean the hoses and pipe, air filter, and replace the air filter element
►	CVT deposits inspection tube	-	Pre-Ride	-	Inspect: If deposits are visible, drain/clean the CVT or contact your dealer for service.
►	Headlight alignment / lights and turning light (If equipped)	-	Pre-Ride	-	Inspect: Adjust or replace the lights if necessary.
►	Radiator	-	Pre-Ride	-	Inspect both sides for mud or debris that can clog air flow, clean it if necessary.

► = 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.

MAINTENANCE

Break-In Maintenance Checklist

Perform these maintenance items when the vehicle reaches 20 hours or specified mileage before operating the vehicle:

Item		Break-in Maintenance (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
	General lubrication	20	-	300 (500)	Lubricate all grease points, pivots, cables, etc.
	Engine oil / Oil filter	20	-	300 (500)	Change oil and filter.
►	Engine air filter element	20	-	300 (500)	Inspect; replace if dirty; do not clean
	Front gear case oil	20	-	300 (500)	Check level. Inspect for leaks.
	Coolant	20	-	300 (500)	Check level. Inspect for leaks.
	Transmission / Rear differential oil	20	-	300 (500)	Replace the oil
	Engine hoses, gaskets and seals	20	-	300 (500)	Inspect for leaks.
► ■	Motor/compressor belt, motor, compressor, idle gear, pulley (If equipped)	-	-	-	Inspect if used in severe conditions, replace as necessary

► = 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		Break-in Maintenance (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
►	Brake pad / Brake disc	20	-	300 (500)	Inspect pad and disc thickness.
	Battery	20	-	300 (500)	Check terminals, clean, test battery condition if required.
■	Idle condition	20	-	300 (500)	Inspect for proper rpm. See dealer for service if out of spec or erratic.
■	Steering / Wheel alignment	20	-	300 (500)	Inspect steering system. See dealer for service if wheel alignment is required.
►	Foot brake	20	-	300 (500)	Inspect function. Adjust as necessary.
■	Gear cases, CV shafts, Propshafts	20	-	300 (500)	Inspect for leaks.

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

Perform maintenance at the interval that arrives first after the break-in period:

Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
►	Brake pads / Brake disc	20	Monthly	300 (500)	Inspect pad and disc thickness.
	Battery	20	-	300 (500)	Check terminals. Clean and test battery condition as necessary.
►	Air filter element	20	-	-	Always inspect pre-ride. Inspect frequently if subjected to severe use. Replace if dirty. Do not clean.
		100	12M	900 (1500)	Replace
►	CVT air intake filter screen	20	-	-	Clean filter screen or filter, replace with new one if necessary.
►	General lubrication	50	3M	450 (750)	Lubricate all pivot points
►	A/C unit and air filter (If equipped)	50	3M	450 (750)	Rinse filter with clean water or remove dust with low-pressure air. Clean more frequently in dusty conditions.

► = Severe Use Item. Reduce interval by 50% on vehicles subjected to severe use.
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● = 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
►	Front gear case oil	100	12M	1800 (3000)	Inspect level. Change yearly if hours or distance interval is not met.
►	Engine oil / Oil filter	100	12M	1800 (3000)	Inspect for color change. Change if dirty and clean strainer. Change yearly if hours or distance interval is not met.
	Cooling system	100	12M	900 (1500)	Pressure test coolant system yearly for leaks.
► ■	Motor / compressor belt, motor, compressor, idle gear, pulley (If equipped)	50	6M	900 (1500)	Inspect if used in severe conditions, replace as necessary

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Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
►	Radiator	50	6M	450 (750)	Inspect; clean external surfaces. Clean more frequently if subjected to severe use.
■	Steering system	50	6M	450 (750)	Inspect. Lubricate.
►	Front suspension	50	6M	450 (750)	Lubricate. Check fasteners.
►	Rear suspension	50	6M	450 (750)	Lubricate. Check fasteners.

► = 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
► ■	CVT drive belt	50	6M	900 (1500)	Inspect. Replace as necessary. See dealer for service.
► ■	CVT drive and driven pulleys	50	6M	900 (1500)	Clean and Inspect pulleys. Replace worn parts. See dealer for service.
	Fuel filter and hoses	100	24M	1800 (3000)	Inspect routing and condition. Replace filter and high-pressure hoses every 4 years.
	Cooling hoses	100	-	900 (1500)	Inspect routing and condition.

► = 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
●	Fuel system	100	12M	450 (750)	Inspect fuel tank, cap, fuel pump and fuel pump relay.
	Spark plug	200	24M	3600 (6000)	Inspect; Replace if worn or fouled.
■	Engine mounts (suspension)	100	12M	1800 (3000)	Inspect condition.
	Exhaust pipe and spark arrestor	100	12M	1800 (3000)	Inspect; Clean spark arrestor.
►	Wiring, fuses, connectors, relays, and cables	100	12M	900 (1500)	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.

MAINTENANCE

Item		Periodic Maintenance Intervals (Perform at the interval that arrives first)			
		Hour	Calendar	Miles (km)	Remarks
► ■	Wheel bearings	100	12M	1800 (3000)	Inspect for noise or looseness. Replace as necessary.
►	Safety belts	100	12M	1800 (3000)	Visually inspect belts and test latches. Clean latch mechanism more often if used in severe conditions.Replace as necessary.
►	Transmission / Rear differential oil	200	24M	3600 (6000)	Inspect level. Change every 2 years if hours or distance interval is not met.
	Coolant	200	24M	3600 (6000)	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.
● = 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
►	Brake fluid	200	24M	3600 (6000)	Inspect fluid for color change. Change fluid every two years if hours or distance interval is not met.
	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. 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.
● = Emissions related components. Have an authorized dealer perform repairs that involve this component or system.

Maintenance Procedures

Air Filter

Check and change the air filter at the intervals outlined in the Maintenance Schedule. The air filter element should be inspected more often and replaced as necessary if the vehicle is used in extremely dusty or wet areas. Each time air filter maintenance is performed, check the air inlet of the air filter box for obstructions and debris. Check the air filter outlet pipe connects with the throttle body for an airtight seal. Check that all fittings are secure to avoid the possibility of unfiltered air entering the engine.

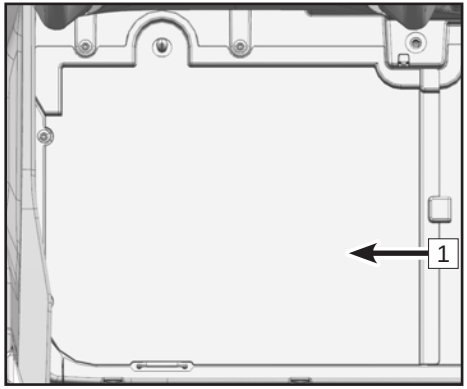
Air Filter Housing Inspection

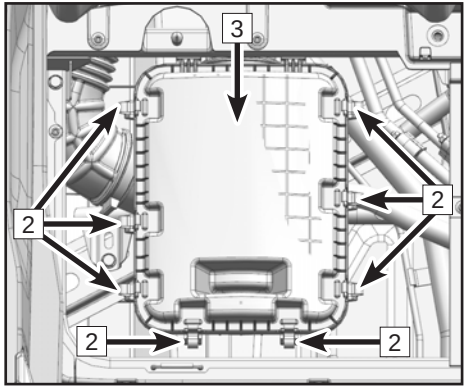
There is a check hose at the bottom of the air filter housing. If dust or water can be viewed in this hose, empty the hose and clean the air filter housing thoroughly. If the vehicle was submerged, please contact your local dealer to check for water inside the engine crankcase.

NOTE
If a large amount of water is present in the air filter housing, have your dealer check for water entering the engine crankcase.

Air Filter Maintenance

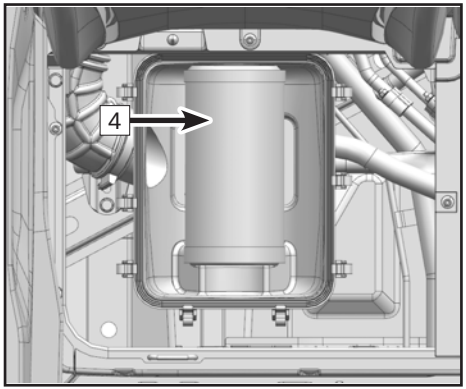
1. (U10 PRO / U10 PRO HIGHLAND) Remove the passenger seat. (U10 XL PRO / U10 XL PRO HIGHLAND) Remove the right rear passenger seat (Refer to the features section).
2. Remove the lower right panel 1
3. Loosen the buckles 2 and remove the cover from the air filter housing 3.
4. Remove the air filter element 4.





5. Inspect the air filter and verify it is okay to reinstall. Softly brush off accumulated dust if necessary. Install a new filter as necessary.
6. Reinstall the air filter housing cover [3]. Verify the cover is installed correctly and is sealing properly.
7. Fasten the buckles [2], install the lower right panel [1], then install the passenger seat or right rear passenger seat.

NOTE
Do not wash filters or use compressed air to clean paper air filter media.



Drying the Air Filter Housing after Submersion

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

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

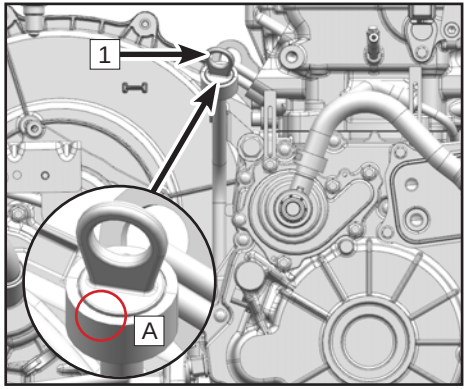
Engine

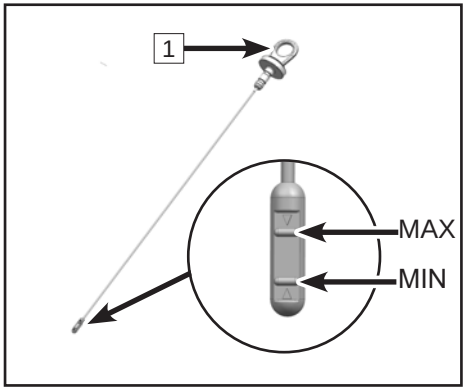
Always check and change the engine oil at the intervals outlined in the Maintenance Schedule. Change oil more frequently under severe use conditions.

Check the Engine Oil Level

With vehicle on a level surface, check the oil level as follows:

1. Place the vehicle on a level surface.
2. Start the engine and allow it to idle for 20~30 seconds, then stop the engine.
3. Wait 1~2 minutes to allow the oil to settle in the crankcase.
4. Press 'START/STOP' to power on, and raise the cargo box (Refer to the controls and features section)
5. Unscrew the oil dipstick [1] and wipe it off with a clean cloth.
6. Insert the dipstick [1] completely into the fill hole, fitting the upper part of the oil dipstick with the hole face of the dipstick (Refer to area [A]).
7. Pull out the oil dipstick [1] and verify the oil level is between the upper (MAX) and lower (MIN) marks.
8. If the oil level is low, replenish it using the supplied funnel to the recommended level. Repeat the steps 6 and 7 as necessary.
9. After confirming the oil level, insert the dipstick completely into the oil filler hole (refer to A). Inspect for oil drips, and wipe them off with a clean cloth.
10. Lower the cargo box, and press 'START/STOP' to turn off the vehicle power.





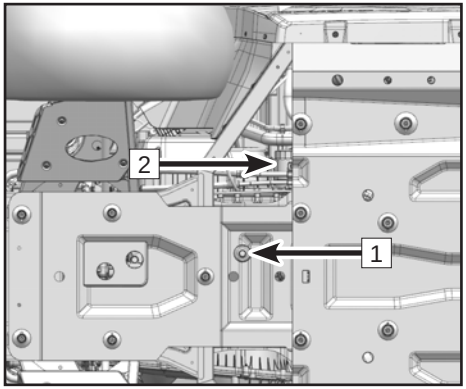
Change the Engine Oil and Filter

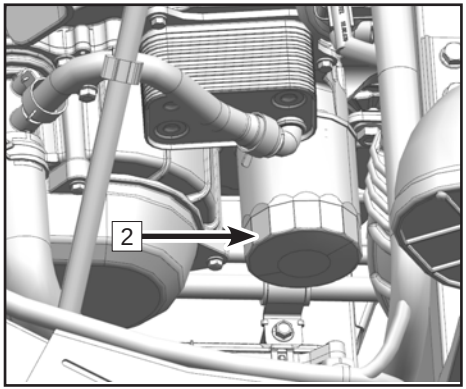
1. Place the vehicle on a level surface.
2. Start the engine and allow it to idle for 2~3 minutes, then stop the engine.
3. Place an oil pan under the engine to collect the used oil (and the drained oil from the filter [2])
4. Remove the oil dipstick, wipe it off with a clean cloth, and set it aside.
5. Remove the magnetic drain bolt and washer [1] (Located at the bottom rear of the vehicle), and drain the oil.
6. Press 'START/STOP' to power on, raise up the cargo box (refer to the controls and features chapter-hopper switch), and remove the oil filter [2].
7. Verify the engine oil is drained completely.
8. Take a new oil filter (with an o-ring seal) and apply a fresh film of engine oil on the o-ring seal to lubricate it.
9. Install the engine oil filter and tighten it to the specified torque.

Oil Filter Torque: 12.5 ft-lb. (17 Nm)

10. Clean debris and dirt from the drain bolt, and replace the washer if necessary.
11. Install the magnetic drain bolt and washer [1].

Drain Bolt Torque: 18.4 ft-lb. (25 Nm)





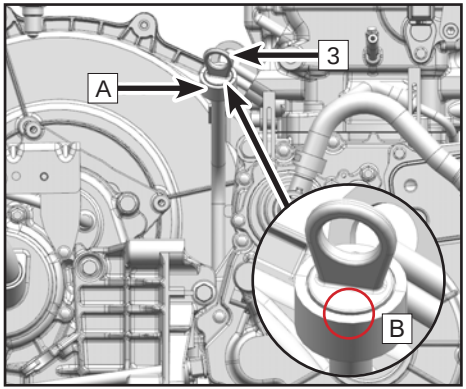
12. Wipe the drain bolt and engine oil filter area with a clean cloth.
13. Replenish the recommended oil to the specified level with the supplied funnel at the dipstick fill hole [A].
14. Insert the oil dipstick [3] into the oil fill hole, fit the upper part of the oil dipstick with the hole face of the dipstick (refer to area B).
15. Pull out the oil dipstick [3] and verify the oil level is between the upper (MAX) and lower (MIN) marks.

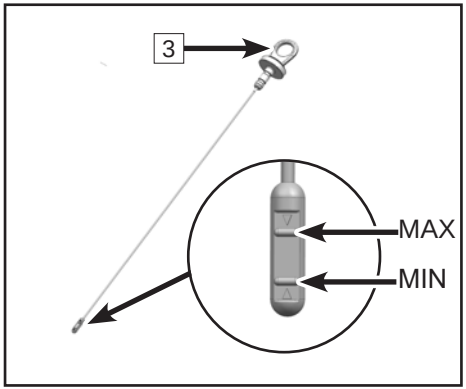
NOTE
Engine oil level should be kept at the proper level, or it will affect the engine operation.

16. Insert the oil dipstick [3] into the oil filler hole completely. (refer to area B)
17. Verify the vehicle is parked, start the vehicle, and lower the cargo box (Refer to the controls and features section), and idle for 30 seconds.
18. Inspect for oil leaks after stopping the engine. If leaks appear, see your dealer.

⚠WARNING
Ensure that the vehicle is turned off and parked during maintenance to avoid vehicle damage or personal injury.

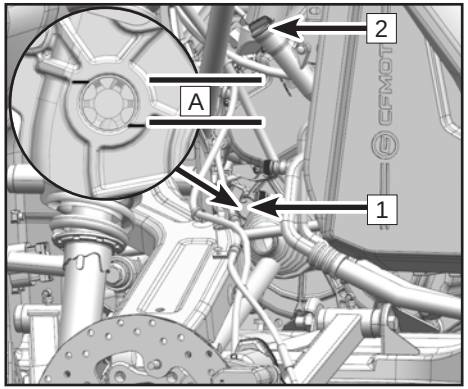
19. Properly dispose the used oil and filter.





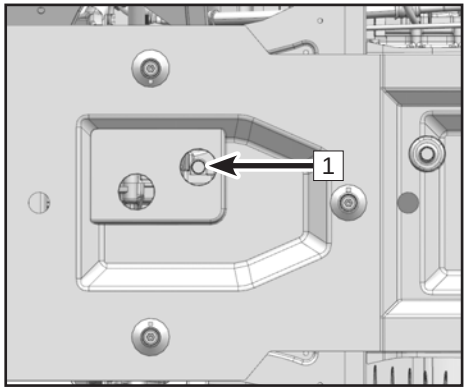
Transmission / Rear Differential Oil Check

NOTE
The transmission and rear differential share one gear case.



1. Place the vehicle on a level surface and park it.
2. Inspect the view window 1 for the proper oil level A .
3. If the oil level is lower than A, press 'START/STOP' to turn on the vehicle power, then raise up the cargo box (refer to the controls and features section). Unscrew the oil cap 2, and use the supplied funnel to replenish the recommended oil to level A.
4. Tighten the oil cap 2, inspect for oil drips, and if any, wipe off with a clean cloth.
5. Lower the cargo box, then press 'START/STOP' button to turn off the vehicle power.

Transmission / Rear Differential Oil Replacement



1. Ensure that to place the vehicle on a level surface and park it before replace the transmission oil.
2. Replace the oil when the transmission is warm. (Optimum state: the transmission case is at a preheated state)

⚠WARNING
The temperature of the transmission oil can be very high after riding, it is necessary to have protective measures to avoid scalding.

3. Place an oil pan under the transmission to collect the used oil.
4. Unscrew the oil cap and wipe it off with a clean rag.
5. Remove the magnetic drain bolt and washer [1] (Located at the bottom rear of the vehicle), and drain the oil.
6. Verify the transmission oil is drained completely.
7. Clean debris and dirt from the magnetic drain bolt, and replace the washer if necessary.
8. Install the magnetic drain bolt and washer [1] and tighten it to the specified torque.

Drain Bolt Torque: 18.4 ft-lb. (25 Nm)

9. Inspect for oil drips, and wipe them off with a clean cloth.
10. Press 'START/STOP' to turn on the vehicle power, then raise up the cargo box (refer to the controls and features section).
11. Unscrew the oil cap [2] and use the supplied funnel to replenish the oil to level [A] (see page 193 for oil type).
12. Lower the cargo box, then press 'START/STOP' button to turn off the vehicle power.

Engine Idle Speed

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

Engine Idle RPM：1200 ±50 rpm

Front Gear Case

The front gear case must be checked for oil leaks before operating. If any leaks are found, have your dealer check and repair the vehicle.

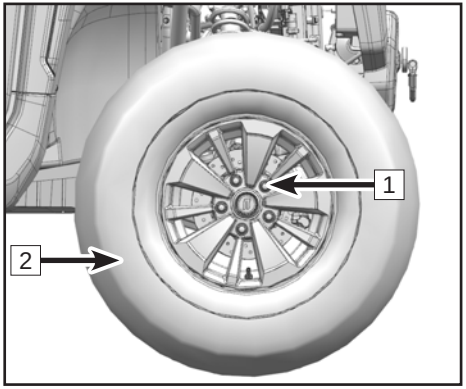
Front Gear Case Inspection

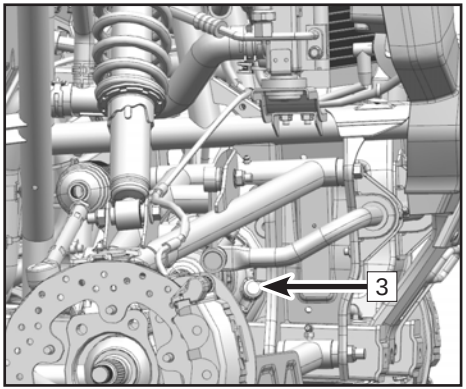
Due to the design of the gear case, the oil level cannot be observed from the filling port. Drain the oil and add the specified amount of oil into the gear case.

Replace the front gear case oil

1. Place the vehicle on a level surface and park it..
2. Place an oil pan under the front gear to collect the used oil.
3. Lift up the vehicle with a jack to a proper position and support it.
4. Remove the wheel nuts [1], and remove the front right wheel [2].
5. Remove the filler bolt [3] and the magnetic drain bolt and washer at the bottom of the gear case, then drain out the oil.
6. Drain out the oil completely, then reinstall the drain bolt [4] and tighten it to the specified torque.

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





7. Replenish the gear oil with the specified amount.

Front Gear Case Oil Capacity: 8.4 oz. (250 ml)

8. Install the filler bolt and tighten it to the specified torque.

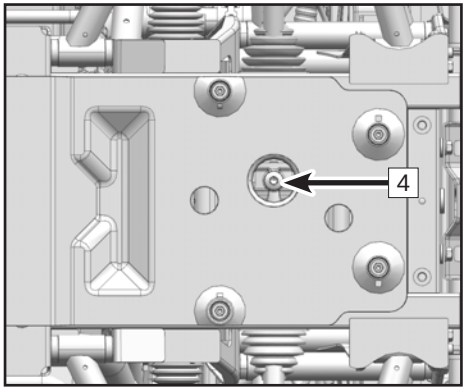
Bolt Torque: 18.4 ft-lb. (25 N•m)

9. Install the front right wheel [2]. Finger-tighten five nuts [1], then tighten the nuts [1] diagonally to the specified torque.

Wheel Nut Torque: 81.1 ~ 88.5 ft-lb. (110 ~ 120 N•m)

10. Inspect the front gear case for leaks. Check for reasons if leaks are found.

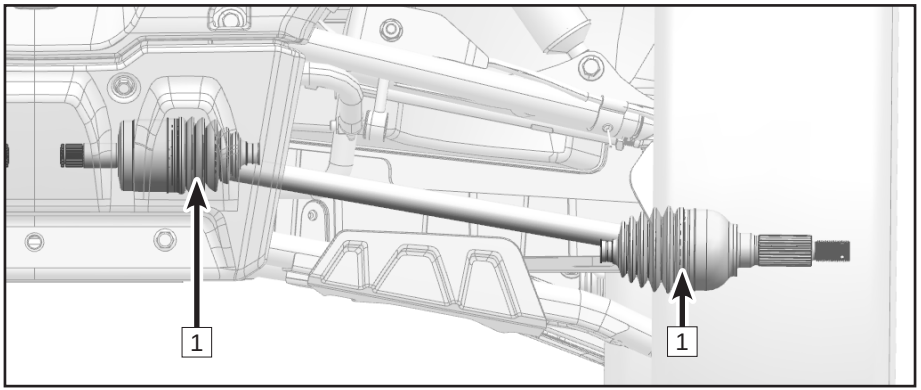
⚠CAUTION
Prevent foreign objects from falling into the gear case when adding oil.



Front and Rear CV Drive Shaft

Front and Rear CV Axle Boots

The front and rear axle boots (1) must be checked for holes or wear before operating. If any damage is found, have your dealer repair the vehicle.

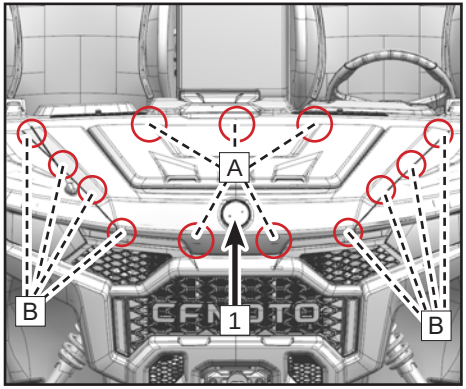


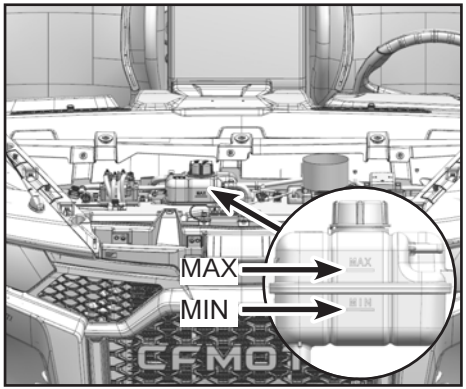
Cooling System

Coolant Reservoir Level Inspection

1. Place the vehicle on a level surface and park it.
2. If the engine is running before, wait until the engine cools down completely to inspect the coolant level. The coolant level will change due to engine temperature.
3. To remove the front access panel [1], release the five grommet pins [A], grab the front part of the front access panel [1]. Along the panel sides, release each of the four buckles [B] left and right, and remove the panel [1].
4. Inspect the expansion tank level is between the 'MAX' and 'MIN' lines.
5. If the expansion tank level is at the 'MIN' line or lower, unscrew the expansion tank cap and replenish the coolant to the 'MAX' line. Reinstall the cap and front access panel [1].

⚠CAUTION
If only water is added, have your dealer check the antifreeze content of the coolant as soon as possible. Never add hard water or salt water, as it is harmful to the engine. Under emergency, distilled water can be used for a short time. A secondary choice can be softened tap water.

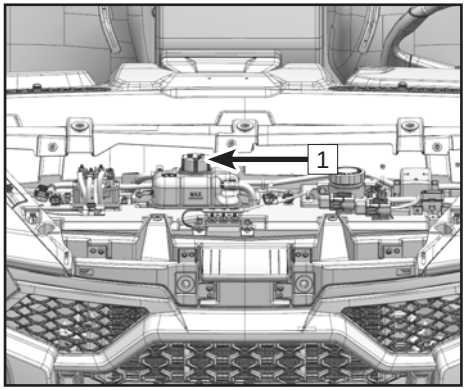


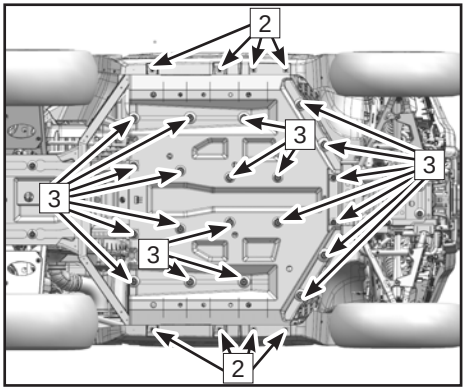


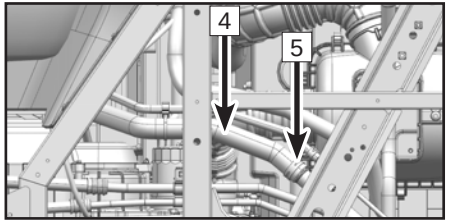
Changing Coolant
Drain the coolant

⚠CAUTION
If the engine is running or is still hot, do not remove the expansion tank cap. It is necessary to shut down the engine and wait until the engine cools completely. To avoid injury, loosen the expansion tank cap two turns to release pressure, then remove it.

1. Place the vehicle on a level surface and park it.
2. Remove the front access panel.
3. Remove the expansion tank cap [1] .
4. Lift up the vehicle safely and support it, then remove bolts [2] and [3] and remove the skid plate.
5. Place a pan under the inlet hose of the engine [4] to collect the coolant.
6. Toward the back, loosen the clamp [5] , pull out the inlet hose to the engine [4] and drain out the coolant.
7. After draining the system, thoroughly flush the system with clean tap water. Allow the water to drain completely. Install inlet hose [4], and tighten clamp [5] securely.

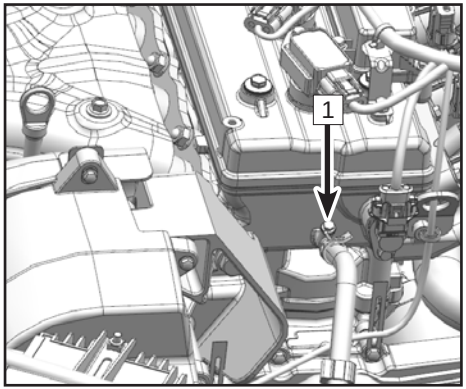


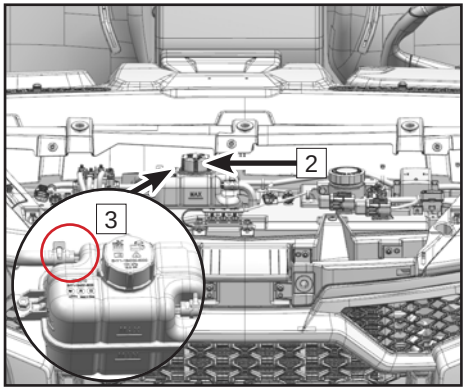




Coolant Replenishment

1. Press 'START/STOP' button to power on, rotate the AC knob to heating mode (HVA/C equipped version), raise up the cargo box.
2. Loosen the air bleed screw [1] at the top of the engine (loosen a couple of turns).
3. Open the expansion tank cap [2] and replenish the coolant until it flows out from the air bleed screw [1]. Tighten the air bleed screw and replenish the coolant to 'MAX' level line of the expansion tank.
4. Start the vehicle, idle the engine for 30 seconds (do not install the expansion tank cap during the warm up), and inspect the exhaust port [3] at the expansion tank for coolant flow. If there is no flow, turn off the engine and loosen the air bleed screw [1] until there are no more bubbles in the coolant flow. Tighten the air bleed screw [1] and replenish the coolant to the 'MAX' line as necessary.
5. Repeat step 4 until coolant flows out at the expansion tank exhaust port [3], then install the expansion tank cap. Start the engine and idle until the cooling fan starts, then turn off the engine.
6. Wait until the engine cools down, then verify the fluid level at the expansion tank to ensure it is between the 'MIN' and 'MAX' lines.
7. Inspect the cooling system for leaks. If any are found, contact your dealer to inspect it.
8. Lower the cargo box, then install the access panel.





Recommended antifreeze:
Any Organic Acid Technology (OAT) antifreeze containing corrosion inhibitors for aluminum engines. CFMOTO recommended antifreeze level: -31°F (-5°C)

Antifreeze and distilled water mixing ratio: 1:1
Coolant capacity: U10 PRO (including expansion tank): 7.0 qt. (6.7 L)
Coolant capacity: U10 PRO HIGHLAND (including expansion tank): 8.2 qt. (7.8 L)
Coolant capacity: U10 XL PRO (including expansion tank): 8.1 qt. (7.7 L)
Coolant capacity: U10 XL PRO HIGHLAND (including expansion tank): 9.3 qt. (8.8 L)
Coolant expansion tank capacity: 1.05 qt. (1 L)

⚠WARNING
If changing to a different coolant, contact your dealer to drain out the existing coolant completely. The mixture of different coolant types may lead to component damage and possible engine failure.

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

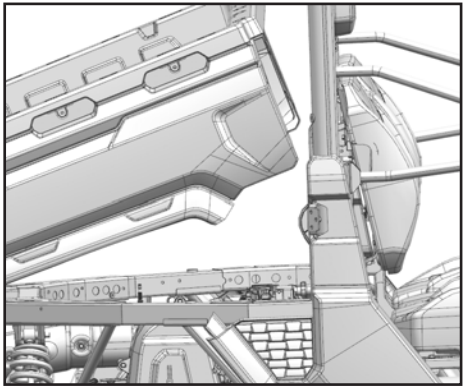
Cleaning the Radiator
Clean the front and back external surfaces of the radiator if it is covered with mud or debris to ensure it continues to efficiently cool the engine. Use only low pressure water to clean the radiator. High pressure washers can damage components.

Cleaning the A/C Condenser (if HVA/C equipped)
Cleaning the external surfaces of the condenser if it is covered with mud or debris will ensure it continues to efficiently cool the engine. Use only low pressure water to clean the radiator. High pressure washers can damage components.

Spark Plug(s)

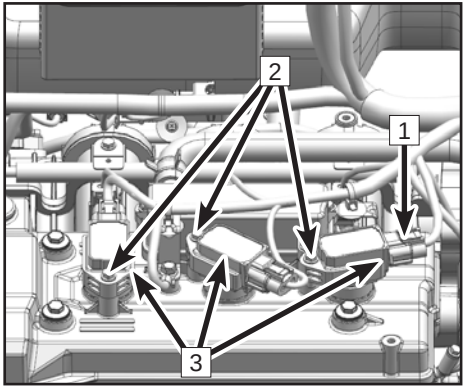
The spark plug is an important engine component that is easy to inspect. The color and condition of the spark plug can indicate the condition of the engine. The ideal color on the insulator around the center electrode is a medium-to-light tan color for an engine that is being operated normally. If electrode erosion becomes excessive, or if carbon and other deposits are excessive, you should replace the spark plug with the specified plug.

Periodically remove and inspect the spark plug(s) for heat damage and deposits that will cause them to break down and erode. Do not attempt to diagnose spark plug color or engine problems yourself. Instead, take the vehicle to your dealer for service.



Spark Plug Removal and Inspection

1. Press 'START/STOP' to turn on the power, and raise the cargo box. (Refer to the controls and features section)
2. Clean dirt or deposits from the ignition coil and cylinder area.
3. Remove the ignition coil connector [1], remove the retaining bolt [2], then remove the ignition coil [3].

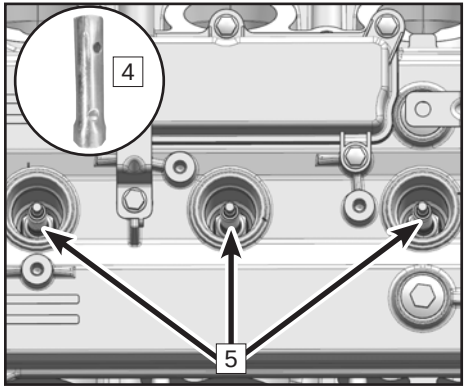


⚠CAUTION
The installed sequence of the ignition coil connectors are particularly important. If they are installed incorrectly, this will result in incorrect ignition sequence and spark timing, which can lead to improper combustion, misfire, and shuddering. This will lead to reduced engine output power, increased fuel consumption, and engine failure may occur. Please record the sequence of the ignition coil connectors when removing them.

4. Remove the spark plug with the spark plug socket [4] and wrench [5] from the tool kit.
5. Check the spark plug gap (A) using a thickness gauge. Adjust the gap if necessary.

Spark Plug Type：TORCH BN8RTC

Spark Plug Gap [a]：0.026 ~ 0.033 in. (0.65 ~ 0.85 mm)



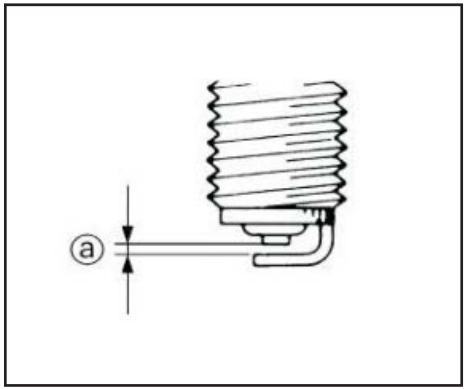
Installation

1. Clean the gasket surface. Wipe off any grime from the threads.
2. Install spark plug and tighten to the specified torque.

Spark Plug Torque: 8.8 ~ 11.8 ft-lb. (12 ~ 16 N•m).

NOTE
If a torque wrench is not available when you are installing a spark plug, a good estimation of the correct torque is to tighten the spark plug by finger first, then use the tool to tighten 1/4 to 1/2 turn. Tighten to specified torque as soon as possible.

3. Install the ignition coil [3], and retainer bolt [2], then plug in the ignition coil connector [1].
4. Lower the cargo box, press 'START/STOP' to turn off the vehicle power.



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 plug(s) and using the starter system to rotate the engine for a short period to expel water out of the cylinder(s). Verify that the air box has been drained of water before attempting to expel water. Have a dealer service the engine immediately.

⚠ CAUTION
Major engine damage can result in the vehicle if water is ingested into the engine. Have the vehicle serviced by your dealer promptly if your vehicle becomes immersed or stalls in water that exceeds the floorboard 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.

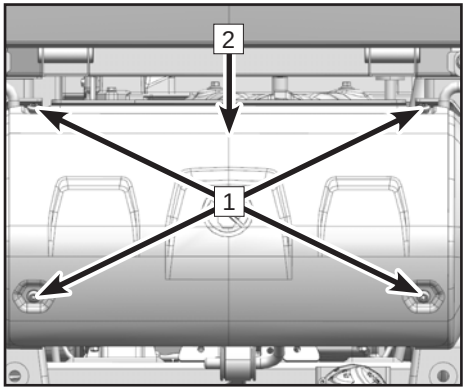
Exhaust Spark Arrestor

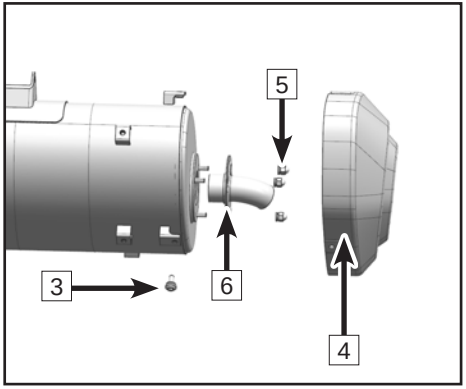
Clean carbon deposits from the spark arrester periodically while the muffler and exhaust are at normal air temperature.

⚠CAUTION
Ensure that the exhaust pipe and muffler are fully cooled down before servicing the spark arrestor.

1. Remove the bolts and washers [1], then remove the muffler guard Ⅰ [2].
2. Remove the bolts and washers [3], then remove the muffler guard Ⅱ [4].
3. Remove three nuts and washers [5], then remove the spark arrestor [6] (Use the same method to disassemble left and right spark arrestors).
4. Use a wire brush to remove any carbon deposits from the spark arrestor [6].
5. Insert the spark arrestor [6] into the muffler, and align the bolt holes.
6. Install three nuts and washers [5].
7. Install the muffler guard Ⅱ [4], and install bolts and washers [3].
8. Install the muffler guard Ⅰ [2], and install bolts and washers [1].
9. Tighten all bolts to the specified torque.

Parts [1], [3], [5] **Torque**: **6 ~ 10 ft-lb. (9 ~ 14 N•m)**





Battery

This vehicle is equipped with a 12 volt/30 Amp-hour, sealed low-maintenance battery (A). Therefore, it is not necessary to check the electrolyte or add distilled water to the battery. If the battery seems to have discharged or the housing is damaged, consult your dealer.

If the vehicle will not be used for more than 2 months, store the battery in a dry and cool place. To ensure optimum service life of the battery, keep the battery charged properly to ensure the battery has reserve capacity available at the starter motor. When the vehicle is used frequently, the battery charge is maintained by the charging system.

⚠CAUTION
To avoid battery damage and power loss, do not leave the vehicle powered on for more than 20 minutes. Otherwise, the vehicle may not start. If this happens, remove the battery and charge it.

Batteries self-discharge from infrequent use. The rate of self-discharge speed varies with battery type and ambient temperature. When environment temperature rises for example, the rate of discharge could increase by a factor of 1 for every 60°F (15°C) temperature rise.

Battery sulphation

A common battery failure is sulphation. When the battery is low on power for a long time, electrolyte can sulphate the battery. Sulphation is an abnormal product produced by chemical reaction in the battery. If sulphation occurs, battery discharging can cause permanent battery plate damage and cause it to be impossible to charge. When such a fault occurs, the only resolution is to replace the battery with a new one.

Battery maintenance

Always keep the battery fully charged, or it may damage the battery. Use a battery tender or charge the battery every 30 days when the vehicle is not being used.

If the vehicle is driven infrequently, inspect the battery voltage weekly with a voltmeter. If it drops below 12.8 volts, the battery should be charged (contact your dealer for inspection). Do not use an automotive quick-charger that may overload the battery and damage it.
Clean the battery connections with a soft brush dipped in a mixture of baking soda and water.
Use a wire brush to remove the corrosion from the positive and negative lug plates.
Using traditional high-amperage battery chargers will reduce battery life.

Battery charger
Contact your dealer for proper battery charger specifications.

Battery charging
Remove the battery from the vehicle.

Connect the charger wires, and ensure that the charging current is 1/10 A of the battery capacity. For example, if the battery capacity is 10 Amp-hour, its charging current should be 1 ampere.

Ensure that the battery is fully charged before reinstalling.

⚠WARNING
Do not remove the battery sealing strip, or the battery will be damaged. Do not mount an ordinary battery in this vehicle, or the electrical system may not work properly. When removing the battery, disconnect the negative pole, then the positive pole. During installation, the connection sequence of positive and negative is opposite of disassembly.

NOTE
When charging a maintenance-free battery, always follow the instructions in this manual.

Battery Removal

Place the vehicle on level ground and park it.
Turn off the power supply of the vehicle.

Open the middle backrest [1] outward (middle backrest, second row U10 XL PRO / U10 XL PRO HIGHLAND) by pulling to release the rubber grommets from the rear brackets [2] and lower the backrest.

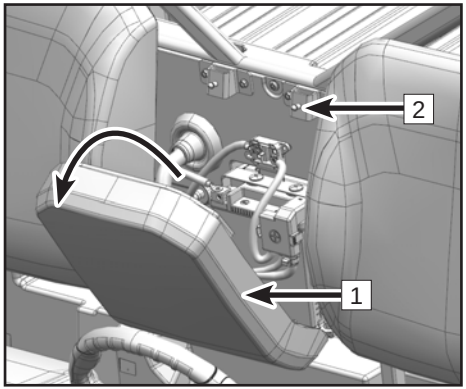
Remove the black negative wire (-).

Remove the red positive wire (+).

Remove the bolts [3] .

Remove the battery retainer [4] .

Remove the battery [5] .



Battery Installation

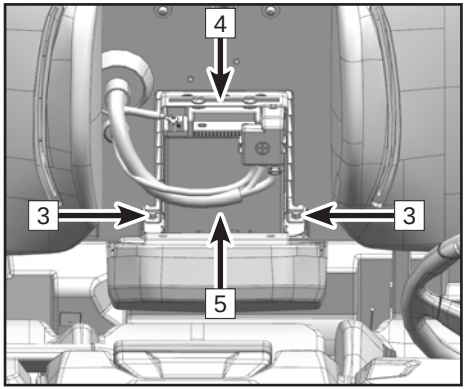
Install the battery [5] .
Install the battery retainer [4] .

Install the bolts [3] .

Install the red positive wire (+)

Install the black negative wire (-).

Rotate the middle backrest [1] upward and buckle into the rear brackets [2].



⚠WARNING
Avoid direct contact of the skin, eyes and clothing with battery acid. Always protect eyes when working near the battery. Keep the battery out of reach of children. Keep the battery away from sparks, open flames, cigarettes, or other ignition points. When using or charging batteries in a confined space, ventilate the area. Battery Acid Detoxification Treatment: *External:* Rinse the area with clean water. *Internal:* See a doctor immediately. *Eyes:* Rinse the eyes with clean water for 15 minutes and see a doctor immediately.

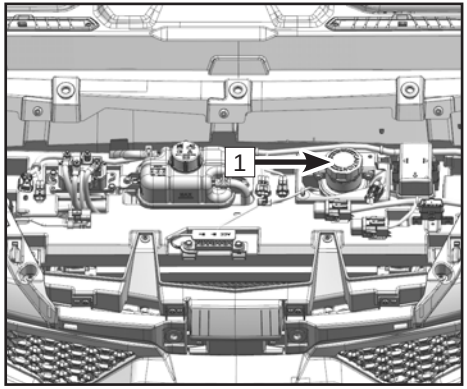
⚠CAUTION
Improper disassembly and assembly of positive and negative wires may lead to a short circuit between the battery and the vehicle body.

NOTE
If the vehicle is used infrequently, recharge the battery every 30 days or connect it to a battery tender.

Brakes

Brake Fluid Level Inspection

Before riding, check that the brake fluid level is above the low mark and replenish whenever necessary. the brake fluid reservoir [1] is under the front access panel (For removal, refer to page 218). Insufficient brake fluid may let air enter the brake system, possibly causing the brakes to become ineffective.



Observe These Precautions:

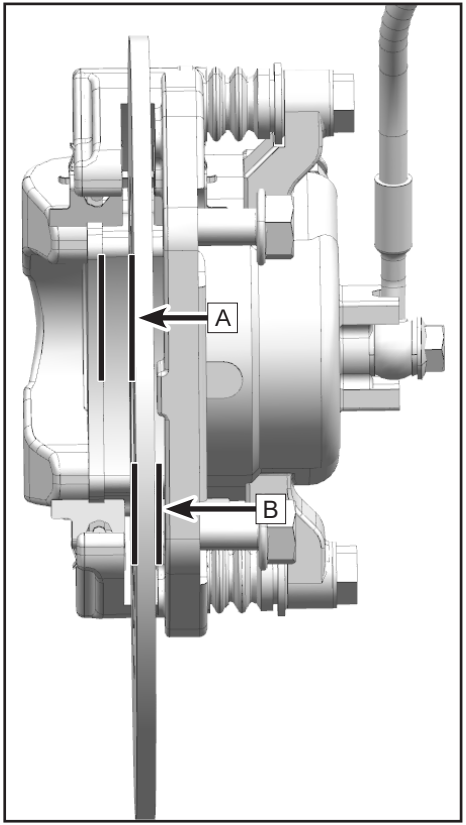
- When checking the fluid level,verify the vehicle is on a level surface.
- Use only the designated quality brake fluid. Otherwise, rubber seals may deteriorate, causing leaks and poor brake performance.
- Recommended brake fluid: DOT 4.
- Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and may lead to poor brake performance.
- Be careful that water does not enter the master cylinder reservoir. Water will significantly lower the boiling point of the fluid and lead to poor brake performance.
- Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately.
- As the brake pads wear, it is normal for the brake fluid level to gradually go down. A low brake fluid level may indicate worn brake pads or brake system leakage. Therefore, be sure to check the brake pads for wear before checking the brake system for leakage.
- Contact your dealer if the brake fluid level goes down unexpectedly.

Brake Pad Inspection

Inspect the front and rear brake pads and discs for damage and wear. If the pad thickness (A) is less than 0.078 in. (2.0 mm) or the disc thickness (B) is less than 0.21 in. (5.5 mm), have your dealer replace them. Replacement of brake components requires professional knowledge. These procedures should be performed by your dealer.

NOTE
Wheels must be removed to check brake pads.

⚠CAUTION
After servicing: • Make sure the brakes operate smoothly and that the lever free play is correct. • Make sure the brakes do not drag and the brake operation is not spongy. • All air is bled from the brake system.



Brake Fluid Change

Complete brake system fluid replacement should be performed only by trained service personnel. Have your dealer replace the following components during periodic maintenance, or when they are damaged or leaking:

- Replace the brake hoses every four (4) years.

⚠WARNING
An over-full brake reservoir may cause brake drag or brake lockup, which could result in an accident causing serious injury or death. Maintain brake fluid at the recommended level. Do not overfill.

⚠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.

Brake Light Switch Operation

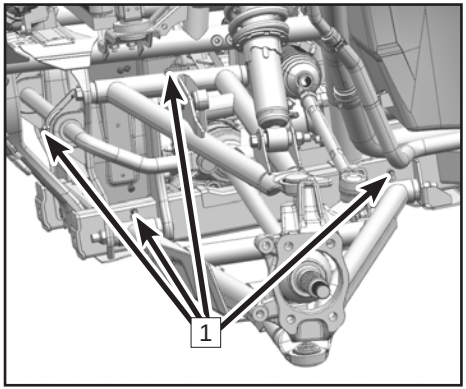
The brake light switch is activated by foot brake pedal pressure, and is properly working when the brake light comes on just as braking takes effect. Check that the switch assembly or the electrical circuit is working properly in case of brake light failure.

Suspension

Some suspension components of the vehicle do not require maintenance or lubrication. Ensure these components are cleaned regularly, and are not loose or damaged before operating the vehicle.

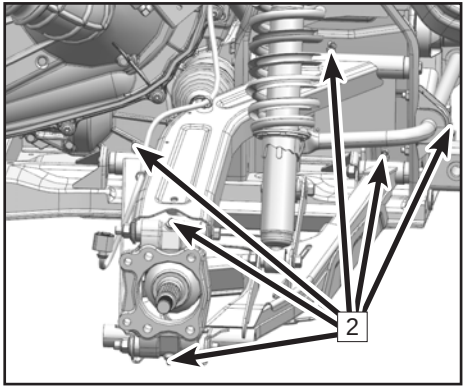
Front Suspension Pivot Lubrication

- Remove the front wheels (Refer to wheel removal).
- Lubricate the upper and lower pivots of the front suspension.
- Add grease into the upper and lower pivot grease nipples [1] with a grease gun until grease lightly flows from the bushings.
- Install the front wheels, and tighten the wheel nuts to the specified torque.



Rear Suspension Pivot Lubrication

- Remove the rear wheels (Refer to wheel removal).
- Lubricate the upper and lower pivots of the rear suspension.
- Add grease into the upper and lower pivot grease nipples [2] with a grease gun until grease lightly flows from the bushing.
- Install the rear wheels, and tighten the wheel nuts to the specified torque.



NOTE
Recommended Grease Type: All-season Grease

NOTE
Refer to the wheel section to remove front and rear wheels.

Shock Absorbers

Shock Preload Adjustment

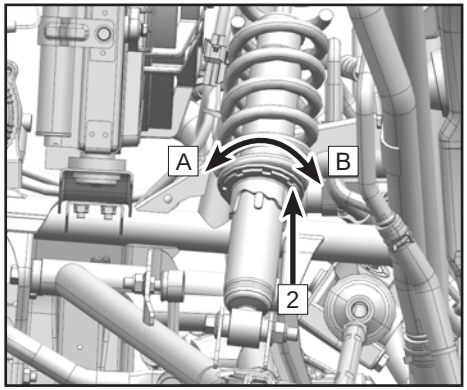
The front and rear shock spring preload and damping can be adjusted for rider weight, cargo load, and riding conditions. Always adjust the left and right shock absorbers to the same setting, and reset them to the initial setting after carrying loads.

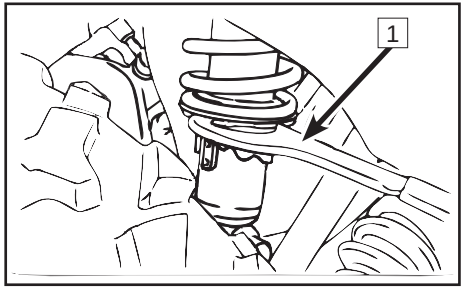
Adjust the spring preload:

A = Soft B = Hard

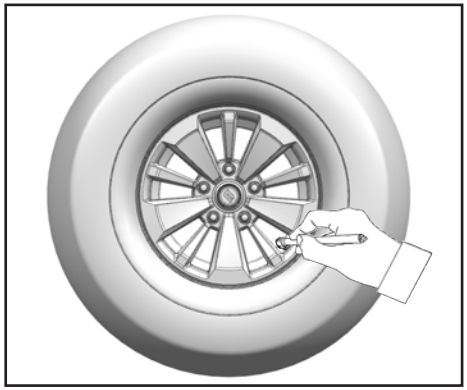
- To increase the spring preload, use the shock adjustment wrench [1] to turn the adjusting seat [2] in direction 'B'.
- To decrease the spring preload, use the shock adjustment wrench [1] to turn the adjusting seat [2] in direction 'A'.

NOTE
A special collar wrench [1] is included in the tool kit to make spring preload adjustments.
Taking weight off the suspension using a jack will help with making adjustments.





Wheels



Tire Pressure

Inspect the tire pressure with a tire gauge before operation.

Front: 22 PSI (150 kPa)

Rear: 22 PSI (150 kPa)

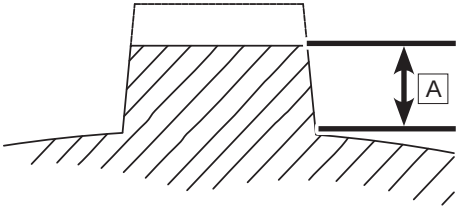
NOTE
Tire pressure greatly affects in controls and stability of the vehicle. Insufficient tire pressure may cause a tire leakage and turn around to the tire. Excessive tire pressure may cause a flat tire. Always follow the tire pressure instructions. Never allow tire pressure to fall below the minimum value. Failure to do so can cause the tires to detach from the rim.

NOTE
Inspect the tire pressure when the tire is cool. Tire pressure varies with temperature and altitude. Please re-inspect the tire pressure if any parameter changes.

Tread Depth

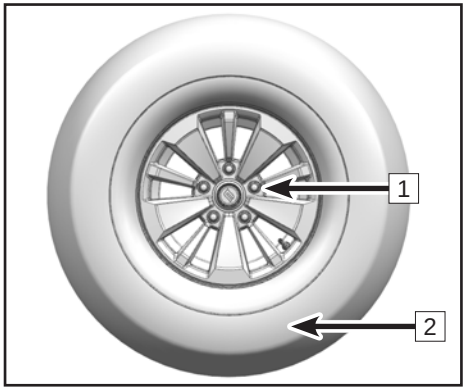
Inspect the tread depth regularly and replace the tires if the minimum tread depth is less than specified.

Minimum Tread Depth (A): 3/32 in. (3.0 mm)



Wheel Bearings

- Lift the vehicle with a jack and support it securely under the frame with the tires off the ground.
- Push and pull the wheels at the outer edges to feel for side play or looseness. See your dealer if there is any side play or looseness.



Wheel Removal

- Ensure vehicle is in park.
- Lift up the vehicle off the ground with a jack and support it.
- Remove the wheel nuts [1] .
- Remove the wheel [2] .

Wheel Installation

- Ensure vehicle is in park.
- Lift up the vehicle off the ground with a jack and support it
- Install the wheel [2] .
- Install five wheel nuts [1] . (Diagonal fastening the nut)
- Lower the Jack and place the vehicle on the ground.
- Verify the transmission is in Park and the electronic parking brake is engaged.
- Tighten the wheel nuts to the specified torque. (Diagonal fastening to the specified torque)

Wheel Nut Torque: 81 ~ 88 ft-lb. (110 ~ 120 N•m)

Electrical

Fuses and Relays

Fuse and relay boxes are located under the front access panel (1) and EPB service cover (2). If a fuse is blown, turn off the main switch and install a new fuse of the specified amperage. Turn on the vehicle power. If the fuse immediately blows again, contact your dealer.

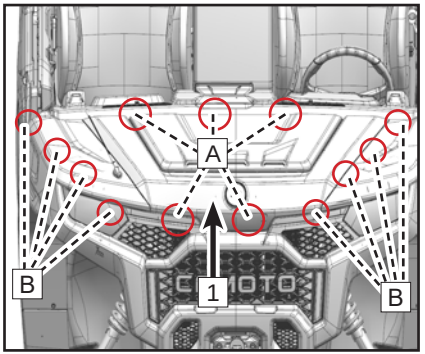
Electronic relays facilitate the operation of various vehicle system functions. These relays are also located in the box. Contact your dealer to replace or diagnose.

⚠CAUTION
To prevent an accidental short-circuit, turn off the vehicle before checking or replacing fuses. Always use a fuse with the correct specified rating. Never use conductive material in place of the proper fuse. Using an improper fuse can cause damage to the electrical system and may lead to a fire.

Fuse Box 1

Release the five grommet pin locations [A], grab the front part of the front access panel [1], release four buckles [B] at the left and right side to the vehicle's front direction, then remove it.

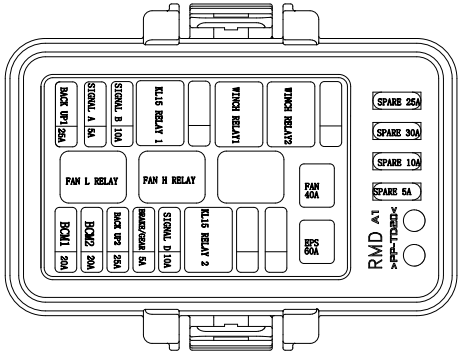
Inspect the fuses or electronic relays in the fuse box.



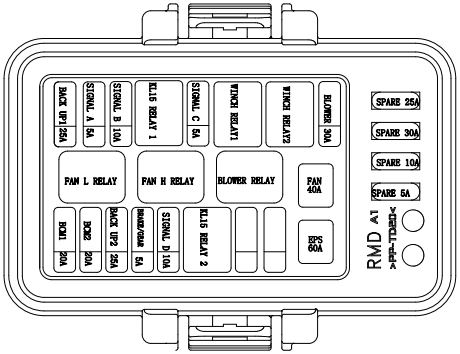
Installation

Reverse the removal procedure for installation.

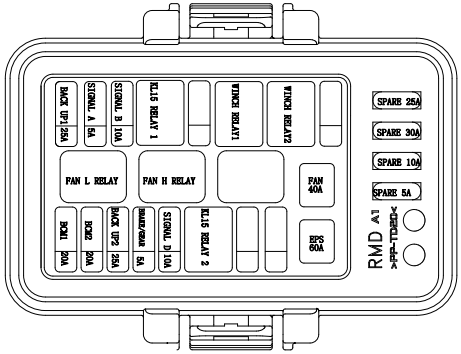
U10 PRO - Fuse Box 1



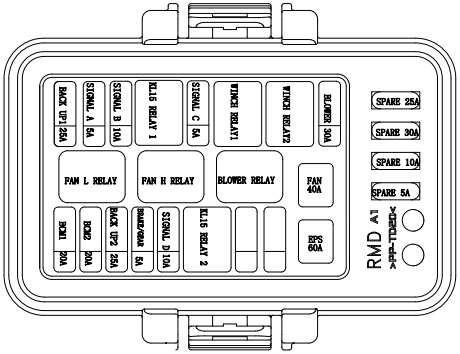
U10 PRO HIGHLAND - Fuse Box 1



U10 XL PRO - Fuse Box 1



U10 XL PRO HIGHLAND - Fuse Box 1



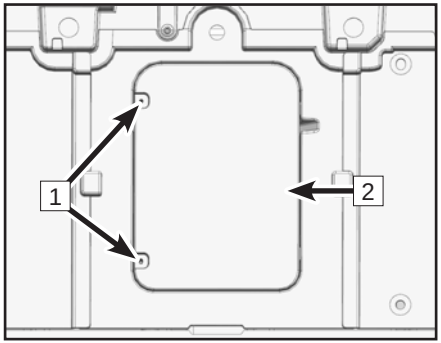
Fuse Box 2

Remove the passenger seat (U10 PRO / U10 PRO HIGHLAND). Remove the right rear passenger seat (U10 XL PRO / U10 XL PRO HIGHLAND) (Refer to the controls and features section)

Remove the bolts 1.

Remove the service cover 2 .

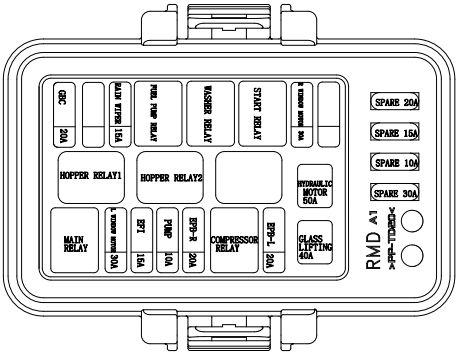
Inspect the fuses or electronic relays in the fuse box.



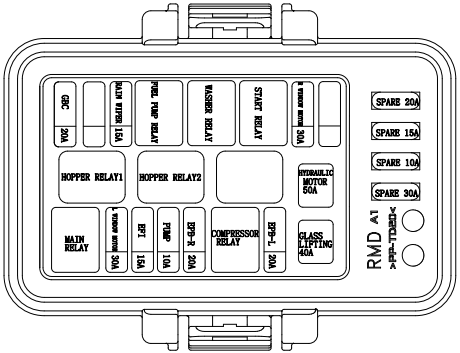
Installation

Reverse the removal procedures for installation.

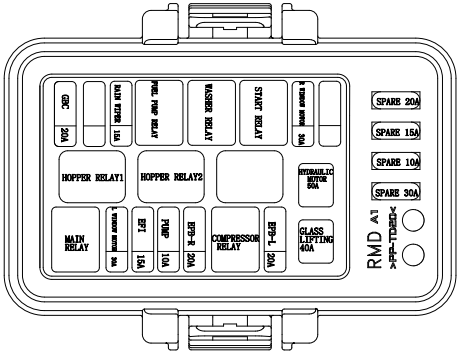
U10 PRO - Fuse Box 2



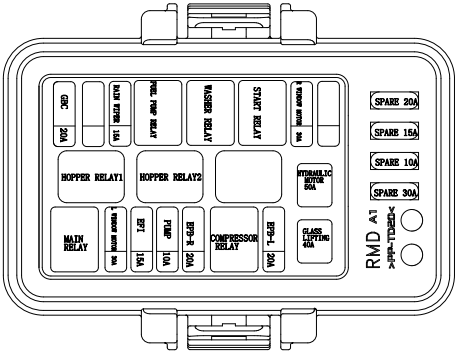
U10 PRO HIGHLAND - Fuse Box 2



U10 XL PRO - Fuse Box 2



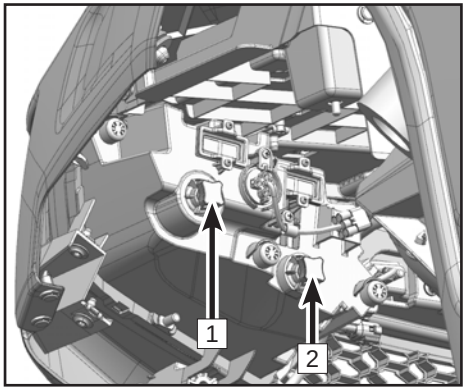
U10 XL PRO HIGHLAND - Fuse Box 2



Headlight Adjustment

To adjust the headlights:

- Turn knob 1 to adjust the height of the low/high beam .
- Turn knob 2 to adjust the distance of the low/high beam.



⚠WARNING

Adjustment of high/low beams should be in accordance with local regulations. The standard is based on light emitted with the front and rear wheels on the ground and the rider sits in the vehicle. It is advisable to have your dealer perform headlight adjustments. Improper adjustment could lead to an accident resulting in serious injury or death.

Lighting Replacement

The headlight and taillight are LED assemblies. Have your dealer replace the entire assembly if an LED is damaged or has failed.

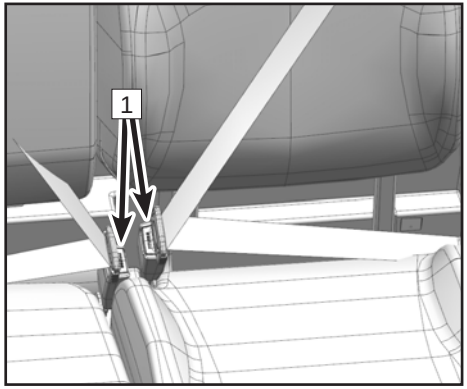
Safety Belt

Regularly inspect all seat belts for normal function before every operation of the vehicle:

1. Insert the lock plate into the latch until it sounds a click. The click sound means it is fastened safely. Verify the lock plate can be inserted smoothly.

2. Press the red button to unlock the latch. Make sure the safety belt can be unlocked smoothly.

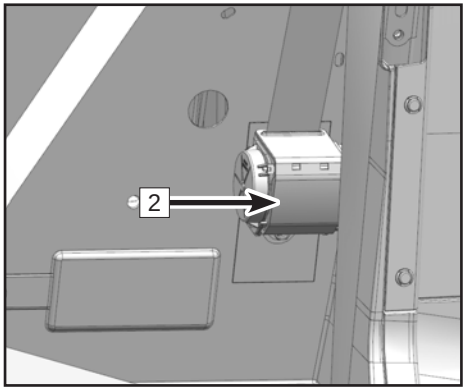
3. Pull out the entire length of the safety belts and inspect them damage, including cuts, wear or stiffening. If damage is found or the mechanisms do not work normally, please contact your CFMOTO dealer to have a qualified technician inspect or replace the safety belt system.



Safety Belt Maintenance

Clean mud and dirt from the safety belt, then wash the whole length of the belt with soft soapy water and allow it to dry. Never use bleach or harsh detergents on the belt.

Flush the latch [1] and retractor [2] mechanisms regularly with clean water. Allow them to dry and test them before operating the vehicle.



A/C unit and HVA/C Air Filter (If equipped)

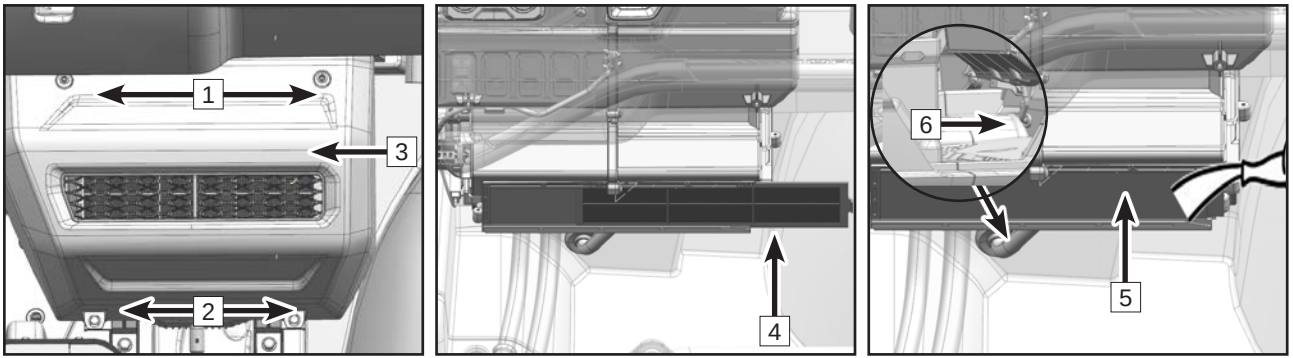
Periodically cleaning debris or dirt from the A/C unit is essential to maintain its cooling efficiency (Refer to the maintenance schedule for intervals). If operating the vehicle in extremely dusty or dirty environments, flush or remove dust more frequently.

Remove bolts 1, push rivets 2, and the A/C guard 3.

Take out the filter 4 and rinse it with clean water.

Rinse the A/C unit inside the A/C unit port 5 with clean water, or blow off dust with low-pressure air.

Inspect the condensation hose 6 for proper flow. If it is blocked (water does not flow to the ground), clean it.



Cleaning and Storage

Washing the Vehicle

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

- The best and safest way to clean your vehicle is with a garden hose and a pail of mild soap and water. Harsh detergents may deteriorate rubber components.
- Use a professional type washing mitten, cleaning the upper body first and the lower parts last.
- Pay special attention that the cooling system radiator and axle boots are thoroughly cleaned of all dirt and debris.
- Rinse with water frequently and dry the vehicle with a chamois to prevent water spots.
- Lubricate all pivot points immediately after washing.
- Allow the engine to run for a while to evaporate any water that may have entered the engine air intake or exhaust system.

CFMOTO does not recommend the use of a high pressure type car wash system for washing your vehicle, as water can be forced past seals and damage decals. If a high pressure system is used, exercise extreme care to avoid water damage to the decals, wheel bearings, transmission seals, body panels, brakes, warning labels, air filter intake system and electrical system. Ensure water is not allowed to enter into the air filter or CVT housing. If warning and safety labels are damaged, contact your dealer for a replacement.

Waxing the Vehicle

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

CLEANING AND STORAGE

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

Preparation for Storage

Proper storage of your vehicle when it will not be used for a long period will help retain its appearance and extend the life of various components:

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. Verify the tires are set to the specified air pressure.

Oil and Filter

Run the engine for approximately 5 minutes, stop the engine, then drain the engine and transmission oil.

Replenish with new engine oil/filter and transmission oil.

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

Air filter / Air filter housing

Inspect and clean or replace air filter. Clean the air filter housing and the inspection tube.

CVT Components / Housing

Inspect the CVT belt, and clean the drive and driven clutches of belt dust and debris. Clean the CVT housing and the inspection tube.

Apply Corrosion Protection (recommended for salt water/wet environments)

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

Check Fluid Levels

Inspect the following fluid levels and change if necessary:

- Front gear case (change yearly or as required if fluid looks dark or contaminated)
- Engine oil level (change yearly or as required if fluid looks dark or contaminated)
- Transmission box oil level (change every two years or as required if fluid looks dark or contaminated)
- 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.

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

CLEANING AND STORAGE

Lubricate

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

'Fog' the Engine (Long-term Storage)

- Remove the ignition coil, inspect and repair the spark plug.
- Remove the spark plug(s), rotate the piston to the bottom of its stroke, and pour approximately 2.0 oz. (15 ~ 20 ml) of engine oil into the opening.

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

- Reinstall the spark plug(s). Torque the spark plug to specification.
- Remove the CVT side cover, and turn the driven pulley assy for several times slowly. Oil will be forced in and around the piston. The piston rings and the cylinder will be coated with a protective film of fresh oil.
- Reinstall the spark plug(s), ignition coil, and CVT side cover.

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 AND STORAGE

Precautions for long-term storage (If engine fogging is not performed)

If an engine fogging procedure was not performed, ensure the engine has optimum lubrication during long-term storage or long-term parking:

- It is recommended to warm up the engine every 3 months and idle for 5 to 10 minutes so the engine can be fully lubricated and eliminate internal condensation that may have collected.
- Vehicles that have been stored for a long time should avoid pulling or high speeds immediately after starting, which will cause excessive engine wear and affect engine life.

Battery Storage

Whenever possible, remove the battery from the vehicle. Ensure the battery is fully charged before placing it in storage. Using a battery tender to keep the battery in a fully charged state is recommended. Store the battery in a cool and ventilated place. Protect the battery from freezing temperatures, which can internally damage batteries that are discharged or low on voltage.

Storage Area And Covering

Place the vehicle in a storage area that is well ventilated. Support the vehicle under the frame with the tires 30 ~ 40 mm (1-1/2 in.) off the ground using stands, wood blocks, or other material to keep away moisture.

Wrap plastic bags over the spark arrestor(s) and other points of ingress to prevent moisture and/or small animals from entering.

Place an anti-dust, breathable cover over the vehicle to prevent dust and dirt from collecting.

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

Preparation After Removal From Storage

- Remove the plastic bags from the spark arrestor(s) and other points of ingress that were covered.
- Charge the battery if necessary, and then install the battery.
- Lubricate any pivot points as necessary.
- Perform a pre-ride inspection.
- Take a test ride to verify the vehicle functions normally.

Transporting or Towing the Vehicle

Transporting

- Place the transmission into the park position, engage the electronic parking brake, and block the front and rear wheels to prevent the vehicle from moving.
- Turn off the engine and remove the NFC key to prevent loss during transporting.
- Ensure the fuel cap is installed correctly and secure.
- Ensure panels, doors, and seats are installed correctly and secure.
- Secure the vehicle front and rear with straps to prevent it from sliding or moving during transport.

Procedure For Towing - Release Transmission and Electronic Park Brake

(electrical power not available or disabled)

⚠WARNING
Ensure the vehicle is positioned on a firm and flat surface. Do not use this method to release the transmission and electronic park brake if positioned on a slope, or on soft or wet ground.

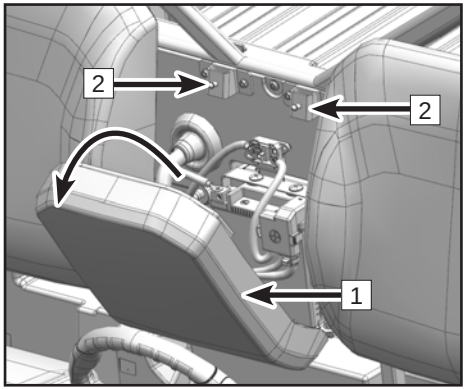
Use a battery jump pack (not supplied) or connect to the rescue vehicle battery using jumper cables (prepare the positive and negative cables as necessary) to power the vehicle, then place the transmission in Neutral and release the EPB as follows:

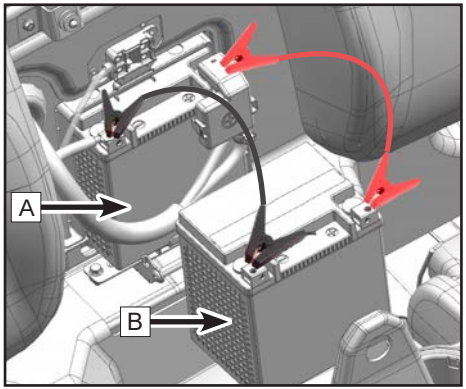
1. Pull the middle backrest [1] (U10 XL PRO / U10 XL PRO HIGHLAND - middle backrest is the second row) in the arrow direction indicated to release the rubber grommets from the rear bracket [2] and lower it.
2. Connect to the positive terminals (red) first, then connect the negative terminals (black).

   A: U10 PRO battery

   B: Battery connection to the rescue vehicle

   NOTE: Ensure clips are tight to avoid sparks.
3. Press the 'START/STOP' button without pressing down the foot brake





4. With the vehicle powered on, press down the foot brake and shift the transmission to Neutral (see page 67).
5. With the vehicle powered on, press down the foot brake and press 'OFF' on the EPB switch to turn off the Electronic Park Brake (see page 71).
6. Disconnect the jump pack or rescue vehicle battery without pressing the 'START/STOP' button.
7. Remove the vehicle's negative cable first, then remove the positive cable without pressing the 'START/STOP' button.

IMPORTANT: Pressing 'START/STOP' to turn off the vehicle when power is connected will return the Transmission and EPB to their original positions. Towing will not be possible. Check for a blown main fuse or wiring failure if the vehicle does not turn on when connected to a known good power source.

NOTE: Do not touch the metal part of the battery clips during operation. Keep sparks and flames away from the battery. The battery's electrolyte may freeze in below-freezing temperatures. In such a case, avoid using a jump pack to start the vehicle or charging the battery to prevent a potentially hazardous situation.

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 does not turn over

Possible Cause	Solution
Blown fuse	Reset or replace the fuse
Low battery voltage	Recharge battery to 12.8 Vdc – Confirm battery state of health
Loose battery connections	Check all connections and tighten if necessary
Loose starter system electrical connections	Check all connections and tighten if necessary
Engine stop switch	Check function
Start circuit not complete – transmission in gear	Press foot brake or shift transmission to neutral or parking position.

Engine pings or knocks

Possible Cause	Solution
Poor quality or low octane fuel	Replace with minimum 89 octane unleaded fuel
Incorrect ignition timing.	See your dealer
Incorrect spark plug gap or heat range	Set spark plug gap to specs or replace plugs

Engine stops or loses power

Possible Cause	Solution
Overheated engine	Clean radiator screen and external core; clean engine exterior; See your dealer
Out of fuel	Refuel with minimum 89 octane unleaded fuel
Kinked or plugged fuel tank vent line	Inspect and replace; See your dealer
Water present in fuel	Replace with new fuel
Fouled or defective spark plugs	Inspect and clean or replace spark plug
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Loose ignition connections	Check all connections and tighten
Low battery voltage	Recharge battery to 12.8 Vdc; check charging system – Confirm battery health
Clogged air filter	Inspect and replace as necessary
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer

VEHICLE ISSUE DIAGNOSIS

Engine turns over, Fails to start

Possible Cause	Solution
Engine fails to start	Replenish the fuel
Clogged fuel filter	Inspect, replace if necessary.
Water present in fuel	Replace with minimum 89 octane unleaded fuel
Fuel bump failure	Inspect the fuel bump and fuse, replace if necessary
Old or non-recommended fuel	Replace with minimum 89 octane unleaded fuel
Fouled or defective spark plugs or plugged	Inspect spark plugs, replace if necessary
No spark to spark plug	Inspect spark plugs, see your dealer if necessary
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Crankcase filled with water or fuel	Immediately see your dealer
Clogged air filter element	Inspect and replace as necessary
Clogged fuel injector	See your dealer
Low battery voltage	Recharge battery to 12.8 Vdc; check charging system – Confirm battery health
Mechanical failure	See your dealer
Loose electrical connections	Check all connections and tighten
Kinked or plugged fuel tank outlet pipe	Inspect and replace as necessary
Incorrect used fuel	Replace with minimum 89 octane unleaded fuel
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer

Possible Cause	Solution
Other mechanical failure	See your dealer
Fuel mixture may be lean or rich	See your dealer
Fouled fuel or low fuel	Replace or replenish the fuel, clean the fuel system
Low-octane fuel	Replace with minimum 89 octane unleaded fuel
Clogged fuel filter	Replace with the new filter
High-octane fuel	Replace with minimum 89 octane unleaded fuel

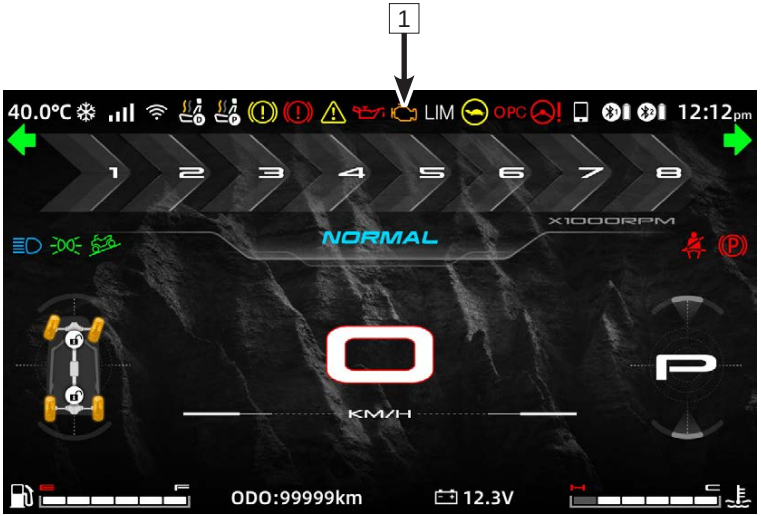
Engine backfires

Possible Cause	Solution
Weak spark from spark plugs	Inspect and replace spark plugs as necessary
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Old or non-recommended fuel	Replace with minimum 89 octane unleaded fuel
Incorrectly installed spark plug wires	See your dealer
Incorrect ignition timing	See your dealer
Mechanical failure	See your dealer
Speed limiter malfunction	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) if it detects a problem. In normal operation, the EFI indicator will be off.

If any faults occurs, the indicator will be on, it is recommended to stop operate your vehicle. Write down the trouble code and contact your dealer for diagnosis. Your dealer has the diagnostic tool required to diagnose, repair and clear trouble codes.

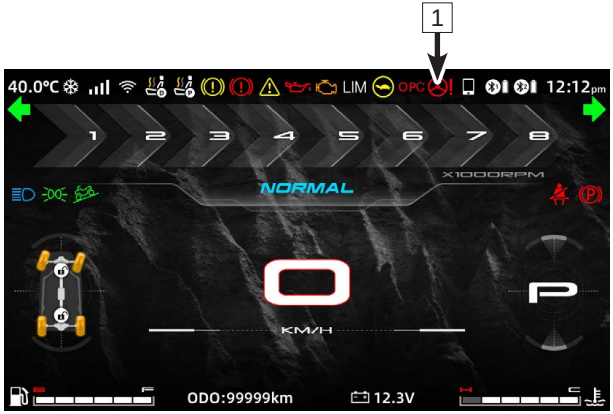


1	EFI Indicator

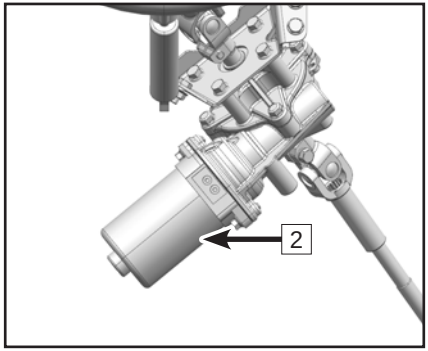
EPS Malfunction Indicator Light

The Electronic Power Steering system on your vehicle contains a self-diagnostic feature that will illuminate the malfunction indicator light (MIL) 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.

If any faults occurs, the indicator will be on, it is recommended to stop operate your vehicle. Write down the malfunction information and code. Your dealer has the diagnostic tool required to diagnose, repair and clear trouble codes.



1	EPS Indicator



2	EPS Assembly

VEHICLE ISSUE DIAGNOSIS

Electronic Power Steering (EPS) Fault Diagnosis and Solution

Steering without assistance	1. Wire connectors have bad contact or are disconnected 2. The fuse blew out 3. The controller, motor, or sensor is damaged	1. Check whether wire connectors and pins are fully inserted 2. Replace the EPS fuse 3. Contact your dealer
Power assist does not weigh the same for left and right	1. The median output voltage has deviation 2. Controller, motor or sensor is damaged	1. Contact your dealer 2. Contact your dealer
When system is ‘ON’, the steering swings to both sides	1. Motor is mounted backwards 2. Controller or sensor is damaged	1. Contact your dealer 2. Contact your dealer
Steering becomes heavy	1. Battery has power loss 2. Air pressure of the tires (front) is insufficient 3. Motor damage (power reduction)	1. Charge the battery 2. Inflate the tires 3. Contact your dealer
System has noise	1. Motor damage 2. Gap of lower steering shaft assembly or mechanical steering assembly is too large 3. Installation of lower steering shaft assembly or mechanical steering assembly is loose	1. Contact your dealer 2. Contact your dealer 3. Contact your dealer

CFMOTO Limited Warranty

Dear Customer,

Thank you for purchasing a CFMOTO product, if any component on your vehicle is found to be defective in materials or workmanship within the terms and conditions of this Limited Warranty, the defective component will be repaired or replaced (at the option of CFMOTO) without charge for parts and/or labor at any authorized dealer located within the United States. The CFMOTO Limited Warranty is subject to the following terms and conditions:

WARRANTY TERMS & CONDITIONS

1. **WARRANTY DURATION:** The duration of the warranty period is one (1) year from the date of the new vehicle purchase from an authorized CFMOTO POWERSPORTS, Inc., Dealer. This warranty coverage is invoked from the purchase and use of CFMOTO vehicles only within the continental United States. During the warranty period, CFMOTO POWERSPORTS, Inc. will cover parts and labor costs incurred by an authorized CFMOTO POWERSPORTS, Inc. Dealer arising from a defect in material and/or workmanship of a CFMOTO vehicle. Any vehicles used for commercial purposes will have their warranty period reduced to six (6) months. If CFMOTO POWERSPORTS, Inc. covers a full engine replacement or a complete vehicle replacement under this warranty, the warranty period does not get extended and remains the same as the original purchase date of the vehicle at issue.

2. **WARRANTY LIMITATIONS:** CFMOTO POWERSPORTS, Inc. provides warranty coverage for one (1) year on all parts and labor for all of its new CFMOTO ATVs. However, the following coverage, exceptions, and limitations apply to all CFMOTO vehicles:

CFMOTO LIMITED WARRANTY FOR USA

A. A 30-DAY WARRANTY coverage period applies to all new CFMOTO vehicles in relation to the vehicle's:

- Battery
- Spark Plugs
- Air Filters
- Oil and Fuel Filters

B. A 90-DAY WARRANTY coverage period applies to all new CFMOTO vehicles in relation to the vehicle's:

- Drive Belt
- Gear Shift, CVT, and Wet Clutch
- Throttle and Brake Cables
- Front / Rear Rims
- Front / Rear Tires
- Front / Rear Brake Pads or Shoes
- Front / Rear Brake Discs or Drums
- Wheel or Steering Stem Bearings and Seals
- Rubber Parts / Engine Mounts / Grips / Boots
- Brake or Clutch Levers
- Floor Boards or Pegs
- ATV Winch (if equipped)
- Light Bulbs / Fuses
- Body Plastics and Cosmetic Defects

CFMOTO LIMITED WARRANTY FOR USA

3. **EXCLUSIONS FROM WARRANTY COVERAGE:** Any Damage resulting from the following acts or circumstances is not covered by the CFMOTO POWERSPORTS, Inc., Limited Warranty:
   - Fire
   - Collision
   - Theft
   - Unavoidable natural disasters
   - Improper storage or transportation
   - Failure or negligence in the performance of periodic vehicle maintenance
   - Improper or negligent use or operation
   - Unauthorized repair or adjustment
   - Unauthorized modifications or performance upgrades
   - Use of vehicle as a rental vehicle
   - Use of vehicle in competitive or racing events

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

5. **TRANSFER OR CONTINUATION OF WARRANTY:** This warranty is transferable only under the following conditions:
   - Transfer information must be provided to an authorized CFMOTO POWERSPORTS, Inc. dealer, who will then forward the information to CFMOTO POWERSPORTS, Inc.;
   - The complete model and serial number as shown on the original warranty document must be provided.
   - The name and address of the existing and new owners must be provided.
   - The original delivery date of the vehicle must be provided.
   - The new owner must indicate in writing that he/she has received and read the vehicle's Owner's Manual and the CFMOTO POWERSPORTS, Inc. Warranty Policy.

6. **WARRANTY REGISTRATION:** The Dealer must complete a PDI form and warranty register the vehicle online and provide the completed registration form to CFMOTO POWERSPORTS, Inc., within seven (7) days of completing the sale of the vehicle. Please note that NO warranty claims will be processed unless the product warranty online registration form is completed and the form is received by CFMOTO POWERSPORTS, Inc., from the Dealer.

7. **DEALER RESPONSIBILITIES:** A CFMOTO authorized Dealer must perform warranty coverage repairs at no charge to the customer, even if they are not the dealer that sold the CFMOTO vehicle to the customer, and must use CFMOTO OEM parts for all warranty repairs. All vehicles sold by the dealer must be inspected and tested by the dealer to ensure proper performance and operation prior to delivery to the customer. No vehicles may be delivered to a customer without first passing a dealer inspection and an operational test.

CFMOTO LIMITED WARRANTY FOR USA

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

9. **COMMERCIAL USE.** The duration of the warranty for commercial use shall be limited to a period of six (6) months instead of one year for recreational use. All other conditions and limitations shall apply.

10. **TIRES PROVIDED AS ORIGINAL EQUIPMENT:** Other than provided herein, vehicle tires supplied as original equipment are warranted separately by the individual tire manufacturer or its representatives.

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

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

CFMOTO LIMITED WARRANTY FOR USA

CALIFORNIA EVAPORATIVE EMISSIONS CONTROL WARRANTY STATEMENT
YOUR WARRANTY RIGHTS AND OBLIGATIONS

INTRODUCTION:

The California Air Resources Board (CARB) and CFMOTO Powersports, Inc. (CFMOTO) are pleased to explain the evaporative emissions control system warranty on your 2020 and later-model year off-highway recreation vehicles (OHRVs). In California, new off-highway recreational vehicles must be designed, built, and equipped to meet the State's stringent anti-smog standards. CFMOTO must warrant the evaporative emissions control system on your OHRV for the periods of time listed below, provided there has been no abuse, neglect, improper maintenance, or unapproved modification of your OHRV.

Your evaporative emissions control system may include parts such as: fuel injection systems, electronic control systems, fuel tanks, fuel lines, fuel caps, valves, carbon canisters, filters, vapor hoses, belts, clamps, connectors, and other evaporative emissions-related components. Where a warrantable condition exists, CFMOTO will repair your OHRV at no cost to you, including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE:

The warranty period for this OHRV is 30 months, or 2500 miles, or 250 hours, whichever comes first, except for “high-priced” warranty parts, which are covered for 60 months, or 5000 miles, or 500 hours, whichever comes first. If any evaporative emissions-related part on your OHRV is defective, the part will be repaired or replaced by CFMOTO.

OWNER'S WARRANTY RESPONSIBILITIES:

As the OHRV owner, you are responsible for the performance of the required maintenance listed in your owner's manual. CFMOTO recommends that you retain all receipts covering maintenance on your OHRV, but CFMOTO cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of a scheduled maintenance.

CFMOTO LIMITED WARRANTY FOR USA

As an owner, you are responsible for presenting your OHRV to a CFMOTO dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.
As an OHRV owner, you should also be aware that CFMOTO may deny you warranty coverage if your OHRV or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

WARRANTY PARTS:

The repair or replacement of any warranted part otherwise eligible for warranty coverage may be excluded from such coverage if CFMOTO demonstrates that the OHRV has been abused, neglected, or improperly maintained, and that such abuse, neglect, or improper maintenance was the direct cause of the need for repair or replacement of the part. That notwithstanding, any adjustment of a component that has a factory installed, and properly operating, adjustment-limiting device is still eligible for warranty coverage. The following emission warranty parts list are covered:

- Fuel Tank[$]
- Fuel Cap
- Fuel Lines
- Fuel Lines Fittings
- Clamps
- Pressure Relief Valves*
- Control Valves*
- Control Solenoids*
- Electronic Control*
- Electronic Control Module*[$]
- Vacuum Control Diaphragms*
- Control Cables*
- Control Linkages*
- Purge Valves
- Vapor Hoses
- Liquid/Vapor Separator
- Carbon Canister
- Canister Mounting Brackets

*Parts that relate to the installed vehicle Evaporative Control System; $=High-Priced warranty parts.

THE REMOVAL OR MODIFICATION OF EVAPORATIVE EMISSION-RELATED PARTS ON THIS OHRV IS ILLEGAL. VIOLATORS MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES AS PROVIDED UNDER CALIFORNIA AND FEDERAL LAW.

If you have any questions regarding your warranty rights and responsibilities, you should contact CFMOTO at 763-398-2690; 5005 Nathan Lane N. Plymouth, MN 55442 or the California Air Resources Board at 9528 Telstar Avenue, El Monte, CA 91731.

CFMOTO LIMITED WARRANTY FOR USA

U.S.A. EPA and CARB Emissions Control Limited Warranty

This emissions limited warranty is in addition to the CFMOTO Powersports, Inc. standard limited warranty for your vehicle. CFMOTO Powersports, Inc. warrants that at the time it is first purchased, this emissions-certified vehicle is designed, built and equipped so it conforms to applicable U.S. Environmental Protection Agency (EPA) and the California Air Resource Board (CARB) emission regulations. CFMOTO Powersports, Inc. also warrants that the vehicle is free from defects in materials and workmanship that would cause it to fail to meet these regulations.

The warranty period for this emissions-certified vehicle starts on the date the vehicle is first purchased and continues for a period of 500 hours of engine operation, 5000 kilometers (3,100 miles) of vehicle travel, or 30 calendar months from the date of purchase, whichever comes first. This emissions limited warranty covers components whose failure increases the vehicle's regulated emissions, and it covers components of systems whose only purpose is to control emissions. Repairing or replacing other components not covered by this warranty is the responsibility of the vehicle owner. This emissions limited warranty does not cover components whose failure does not increase the vehicle's regulated emissions.

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

- Air-induction system (excludes filters)
- Fuel system (excludes filters)
- Ignition system (excludes spark plugs)
- Exhaust gas recirculation systems

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

- After treatment devices
- Crankcase ventilation valves
- Sensors
- Electronic control units

CFMOTO LIMITED WARRANTY FOR USA

The following parts are considered emission-related components for evaporative emissions:

- Fuel Tank
- Fuel Cap
- Fuel Line
- Fuel Line Fittings
- Clamps*
- Pressure Relief Valves*
- Control Valves*
- Electronic Controls*
- Vacuum Control Diaphragms*
- Control Cables*
- Control Linkages*
- Purge Valves
- Vapor Hoses
- Liquid/Vapor Separator
- Carbon Canister
- Carburetor Purge Port Connector

* As related to the evaporative emission control system.

The exclusive remedy for breach of this limited warranty shall be, at the exclusive option of CFMOTO Powersports, Inc., repair or replacement of any defective materials, components or products.

THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. CFMOTO POWERSPORTS, INC. SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER CONTRACT, NEGLIGENCE OR OTHER TORT OR OTHERWISE. THIS EXCLUSION OF CONSEQUENTIAL, INCIDENTAL, AND SPECIAL DAMAGES IS INDEPENDENT FROM AND SHALL SURVIVE ANY FINDING THAT THE EXCLUSIVE REMEDY FAILED OF ITS ESSENTIAL PURPOSE.

CFMOTO LIMITED WARRANTY FOR USA

ALL IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO THE WARRANTY PERIOD DESCRIBED HEREIN. CFMOTO POWERSPORTS, INC. DISCLAIMS ALL EXPRESS WARRANTIES NOT STATED IN THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply if it is inconsistent with the controlling state law. This limited warranty excludes failures not caused by a defect in material or workmanship. This limited warranty does not cover damage due to accidents, abuse or improper handling, maintenance or use. This limited warranty also does not cover any engine that has been structurally altered, or when the vehicle has been used in racing competition. This limited warranty also does not cover physical damage, corrosion, or defects caused by fire, explosions or other similar causes beyond the control of CFMOTO Powersports, Inc. Owners are responsible for performing the scheduled maintenance identified in the owner's manual. CFMOTO Powersports, Inc. may deny warranty claims for failures that have been caused by the owner’s or operator’s improper maintenance or use, by accidents for which CFMOTO Powersports, Inc. has no responsibility, or by acts of God. Any qualified repair shop or person may maintain, replace, or repair the emission control devices or systems on your vehicle. CFMOTO Powersports, Inc. recommends that you contact an authorized CFMOTO Powersports, Inc. dealer to perform any service that may be necessary for your vehicle. CFMOTO Powersports, Inc. also recommends that you use only genuine CFMOTO Powersports, Inc. parts. It is a potential violation of the Clean Air Act if a part supplied by an aftermarket parts manufacturer reduces the effectiveness of the vehicle’s emission controls. Tampering with emission controls is prohibited by federal law. If you have any questions regarding your warranty rights and responsibilities, please contact CFMOTO Powersports, Inc. at 888-823-6686.

Noise Control System and Tampering

Warranty time period: **1,865 miles (3000 km)**

Federal law prohibits the following acts or causing thereof:

1. The removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use or;
2. The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE ACTS LISTED BELOW:

These acts include tampering with the following systems; i.e., modification, removal, etc.

Exhaust system

- Muffler
- Exhaust
- Silencer

Intake system

- Air cleaner case
- Air cleaner element
- Intake duct

CFMOTO LIMITED WARRANTY FOR USA

Change of Ownership

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

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

NOTE:

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

CFMOTO RIDE APP / TELEMATICS MODULE

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

CFMOTO RIDE App

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

CFMOTO RIDE Facebook

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

CFMOTO RIDE Website

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

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

CFMOTO RIDESYNC APP / TELEMATICS MODULE (Select Markets)

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

CFMOTO RideSync

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

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

5SYV-380101-8100-13 US249

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