

OWNER'S/OPERATOR'S MANUAL

WARNING:

Read this Manual, and any Supplements Carefully Before Operating Vehicle.

- Assembly
- Operation
- Maintenance

THIS VEHICLE IS NOT DESIGNED FOR USE ON RENTAL TRACKS OR RACING

YK100EU

- **BEFORE OPERATING THIS VEHICLE, THE OWNER AND EACH OPERATOR MUST HAVE READ AND HAVE AN UNDERSTANDING OF ALL THE INSTRUCTIONS FOR PROPER ASSEMBLY AND SAFE OPERATION, AS WELL AS THE INSTRUCTIONS CONCERNING THE ENGINE AND ALL OTHER PORTIONS OF THE VEHICLE.**

NOTE: A storage area/toolbox has been provided on the OFF ROAD-UTV CART for storage of this manual.

Please keep this manual in storage so that it can be found easily and referenced when needed.

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1. INTRODUCTION

Introduction

Congratulations on the purchase of your OFF ROAD-UTV CART. We take pride in offering you this product engineered and manufactured to the highest performance and quality standards. We are sure that you will enjoy superior levels of performance, reliability, riding comfort, and safety.

This manual is provided to help the owner and operators of this OFF ROAD-UTV CART become familiar with the operating characteristic, and the many features offered on the OFF ROAD-UTV CART. The manual also covers information on the care and maintenance of your OFF ROAD-UTV CART.

Please read this manual carefully. The information contained in this Owner's Manual, the Warning Labels supplied with this product will help you to understand the safe use and maintenance of your OFF ROAD-UTV CART. Make sure that you understand and follow all Warnings and Instructions in this material.

If you did not receive any of the material listed above, please call your dealer and request to have them sent to you.

Product and specifications are subject to change without notice.

1. INTRODUCTION

Important Safety Notice

- This vehicle is designed and manufactured for off-road use only. It is illegal to operate this vehicle on any public street, road, or highway. Such use is prohibited by law.
- Check the laws and regulations in force before choosing where to operate this vehicle. It is illegal to operate this vehicle on public lands where vehicles its size are prohibited.
- Never make any modifications to the motor, drive system, mechanical or electrical systems of your OFF ROAD-UTV CART. Never install aftermarket parts or accessories intended to increase the speed or power of your OFF ROAD-UTV CART.
- Failure to follow these warnings increases the possibility of accidents leading to **DEATH** or **SERIOUS INJURY!**
- Additionally, failure to follow these requirements will void the Warranty on your OFF ROAD-UTV CART.

NOTE

The addition and use of certain accessories including, (but not limited to) mowers, blades, sprayers, winches and windshields will change the handling characteristics and the performance of your OFF ROAD-UTV CART.

Practice Responsible OFF ROAD-UTV CART Riding

Make sure that you understand and follow all local, state/province, and federal/national riding laws and requirements.

Remember: Respect your vehicle, respect the environment and respect the property of others. You are responsible for your safety and the safety of others around you when you ride!

1. INTRODUCTION

A OFF ROAD-UTV CART CAN BE HAZARDOUS TO OPERATE.

A OFF ROAD-UTV CART handles differently from other vehicles including motorcycles, ATVs and cars. A collision rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.



SERIOUS INJURY OR DEATH

can result if you do not follow these instructions.

- Read this manual and all labels carefully and follow the operating procedures described.
- This vehicle is designed to carry the driver and one passenger. Never carry passengers in the cargo bed.
- Always be sure the driver and passenger are wearing seat belts.
- Never allow anyone who is not an adult to operate this OFF ROAD-UTV CART.
- Never permit a guest to operate this OFF ROAD-UTV CART unless the guest has read this manual and all product labels.
- The driver and passenger must wear approved off-road motorcycle -type helmets that fits properly. The driver and passenger should also wear eye protections (glasses or face shields), gloves, boots, long-sleeved shirts or jackets, and long pants.
- As with any off-road-capable vehicle, there is a risk of tip over or rollover under certain conditions. Uneven terrain or slopes which pitch the vehicle sideways, turning too fast or sharp, or a combination of conditions increase the risk of tip over.

If you are in a situation where the vehicle is tipping over, do not put your arm or/ and leg outside the vehicle, do not try to stop tipping with your arm or leg. You could be severely injured. You could suffer a crushed hand, arm, leg, or foot, if part of your body is caught underneath the vehicle.

You must keep your arms and legs inside the vehicle until it has stopped moving.

- Never consume alcohol or drugs before or while operating this OFF

1. INTRODUCTION

ROAD-UTV CART.

- Never operate at excessive speeds. Always travel at a speed which is proper for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheelies, jumps or other stunts.
- Always inspect your OFF ROAD-UTV CART each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.
- Always keep both hands, arms, feet, and legs inside the vehicle at all times during operation. Keep your feet on the floorboard. Never hold onto the enclosure except when using the handgrip inside the enclosure. Otherwise, your hand could be injured if it is caught between the enclosure and an obstacle outside the vehicle.
- Always keep both hands on the steering wheel when driving.
- Never wrap your thumbs and fingers around the steering wheel. This is particularly important when driving in rough terrain. The front wheels will move right and left as they respond to the terrain, and this movement will be felt in the steering wheel. A sudden jolt could wrench the steering wheel around, and your thumbs or fingers could be injured if they are in the way of the steering wheel spokes.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the OFF ROAD-UTV CART.
- Never operate on excessively rough, slippery or loose terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
- Always have the OFF ROAD-UTV CART checked by an authorized dealer if it has been involved in an accident.
- Never operate OFF ROAD-UTV CART on hills too steep for the OFF ROAD-UTV CART or for your abilities. Practice on smaller hills before attempting larger hills.
- Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces. Never open throttle suddenly or make sudden gear changes. Never go over the top of any hill at high speed.
- Always follow proper procedures for going down hills and for

1. INTRODUCTION

braking on hills as described in this manual. Check the terrain carefully before you start down any hill. Never go down a hill at high speed. Avoid going down a hill at an angle which would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

- Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with excessively slippery or loose surfaces. Never attempt to turn the OFF ROAD-UTV CART around on any hill. Avoid crossing the side of a steep hill if possible.
- Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual.
- Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Always be careful of skidding or sliding. On slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
- Avoid operating the OFF ROAD-UTV CART through deep or fast flowing water. Avoid water which exceeds the recommended maximum depth. Go slowly, carefully avoiding sudden movements, maintain a slow and steady forward motion, do not make sudden turns or stops, and do not make sudden throttle changes.
- Wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary apply them lightly several times to let friction dry out the pads.
- Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in reverse, go slowly. Avoid turning at sharp angles in reverse.
- Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never modify A OFF ROAD-UTV CART through improper installation or use of accessories
- Never exceed the stated load capacity. Cargo should be as far forward in the bed as possible, and distributed evenly from side to side. Be sure cargo is secured so that it cannot move around during operation. Reduce speed and follow instructions in this manual for

1. INTRODUCTION

carrying cargo or pulling a trailer. Allow greater distance for braking.

- Avoid operating the OFF ROAD UTV CART through water. There is a risk of short circuit or leakage from wading driving the vehicle. It might lead to operator and passenger severe injured or dead, vehicle damaged or even ignited.
- Always operate the vehicle on the smooth terrain. It might lead to operator and passenger severe injured or dead, the damage of the suspension, battery, circuit and motor while driving on extreme off-road terrain , extreme slopes or jumping .

2. UNDERSTANDING WARNINGS

ATTENTION:

This is an ADULT VEHICLE ONLY! Not a toy!
READ AND UNDERSTAND WARNINGS AND OWNER'S MANUAL
BEFORE OPERATION.



KNOW YOUR VEHICLE BEFORE YOU BEGING RIDING!

Read this manual thoroughly referring to the various areas which are being discussed on your machine. Operating this vehicle carries with it responsibilities for your personal safety, the safety of others, and the protection of our environment.

NOTE: Illustrations used in this manual are for general representation only. Your model may differ.

2. UNDERSTANDING WARNINGS

SAFETY ALERT

WARNINGS identify special instructions or procedures which, if not correctly followed, could result in personal injury, or loss of life. Read all **WARNINGS** in this manual carefully. Follow their instructions to remain safe.

The following precautionary signal words are used throughout this manual to convey the following messages:



This is the safety alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury. Your safety is involved!



WARNING

Indicates a potential hazard which could result in severe injury or death.



CAUTION

Indicates a potential hazard which may result in personal minor injury or damage to the UTV CART.

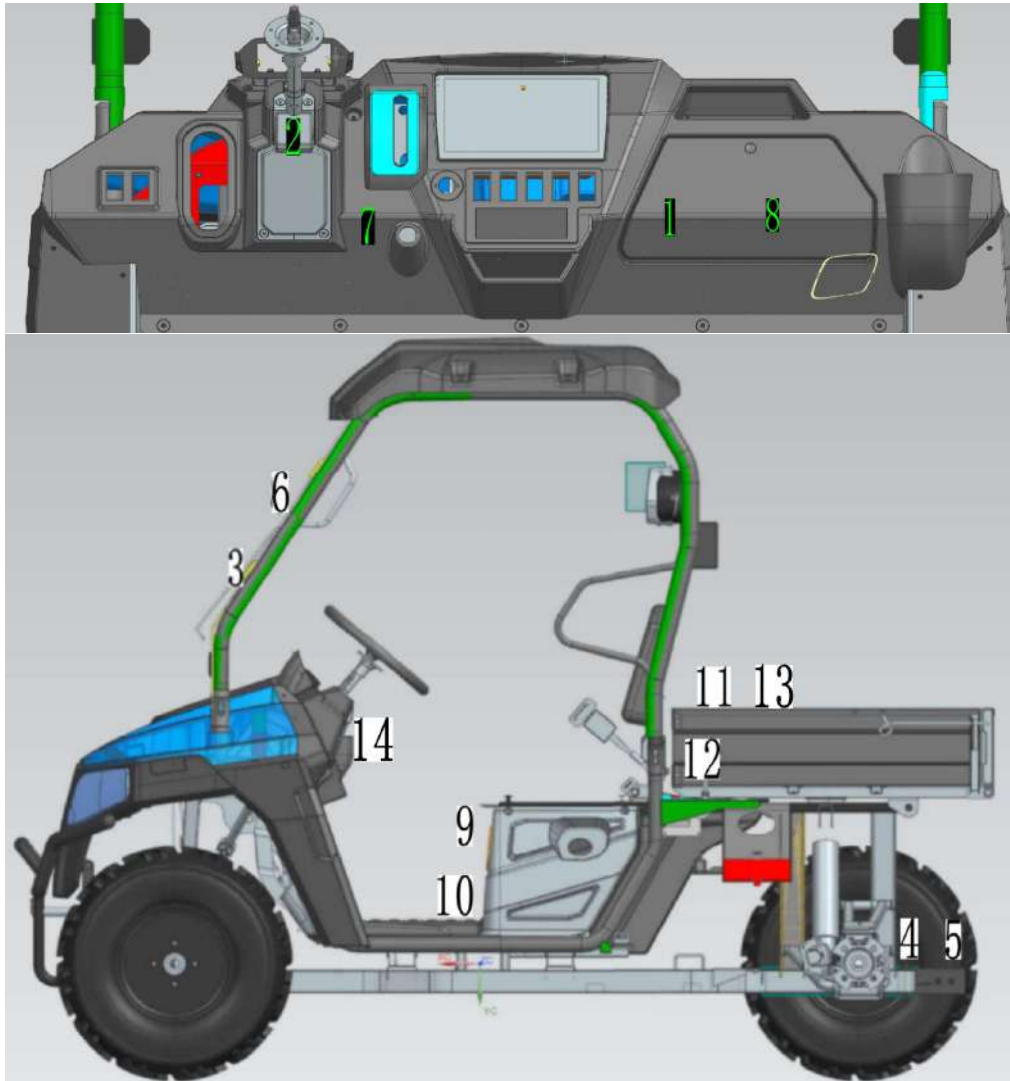
CAUTION

Indicates a situation that can result in damage to the machine.

NOTE

The word “NOTE” in this manual will alert you to key information or instructions.

3. SFETY WARNING

**NOTE:**

Warning decals have been placed on the vehicle for your protection. Read and follow the instructions on each decal carefully. In the event any decal becomes illegible or comes off, contact your dealer for a replacement.

3. SFETY WARNING

1

**WARNING**

Improper Use of Off-Highway Vehicles Can Cause Severe Injury or Death

Be Prepared

- Fasten seat belts.
- Wear an approved helmet and protective gear.
- Reserved for message about other occupant restraint devices.
- Each rider must be able to sit with back against seat, feet flat on floor and foot rests, and hands on steering wheel or handhold where equipped. Stay completely inside the vehicle.

Drive Responsibility

Avoid loss of control and rollovers:

- Avoid abrupt maneuvers, side ways sliding, skidding, or fishtailing, and never do donuts.
- Slow down before entering a turn.
- Avoid hard acceleration when turning, even from a stop.
- Plan for hills, rough terrain, ruts, and other changes in traction and terrain. Avoid paved surfaces.
- Avoid side hilling (riding across slopes).

off-high way vehicle access) LOCATE AND READ THE RESERVED FOR OWNERS MANUAL REFERENCE TO OTHER FOLLOW ALL INSTRUCTION AND WARNINGS. SOURCE OF SAFETY INFORMATION

Be Sure Riders Pay Attention and Plan Ahead

If you think or feel the vehicle may tip or roll, reduce your risk to injury.

- Keep a firm grip on the steering wheel or handholds and brace yourself.
- Do not put any part of your body outside of the vehicle for any reason.

Require Proper Use of Your Vehicle

Do your part to prevent injuries

- Do not allow careless or reckless driving.
- Make sure operators are 16 or older with a valid drivers license.
- Do not let people drive or ride after using alcohol or drugs.
- Do not allow operation on public roads (unless designated for

DRIVER UNDER 16



Rollovers have caused severe injuries and death, even on flat, open areas.

2

**WARNING**

- IMPORPER TIRE PRESSURE OR OVERLOADING CAN CAUSE LOSS OF CONTROL.
- LOSS OF CONTROL CAN RESULT IN SEVERE INJURY OR DEATH.
- OPPERATING TIRE PRESSURE:
SET WITH TIRES COLD. ALWAYS MAINTAIN PROPER TIRE PRESSURE AS INDICATED ON THE SIDE WALL OF YOUR VEHICLE TIRES.
NEVER SET TIRE PRESSURE BELOW THE RECOMMENDED. TIRE MAY DISLODGE FROM RIM
GROSS VEHICLE WEIGHT RATING:1070kg(2358lbs)
MAXIMUM INCLUDING WEIGHT OF OPERATOR, PASSENGER, ACCESORIES, CARGO AND (IF APPLICABLE) TRAILER TONGUE WEIGHT.

3

**WARNING**

The enclosure cannot protect occupants in all foreseeable accidents,including rollover.

4

**WARNING**

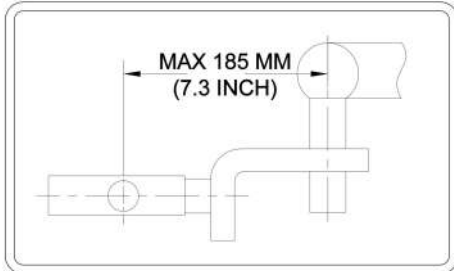
Pulling excessive loads can cause loss of stability or control of the vehicle.

Do not exceed the load capacity for the hitch.

Trailer Load Capacity of this vehicle is 441 lbs /200kg and 25lbs/ 11kg tongue weight.

3. SFETY WARNING

5



6



7



8

3. SFETY WARNING



WARNING

To avoid transmisson damage,shift only when vehicle is stationary and at idle. Turning the off road vehicle in 4WD-LOCK ("DIFF.LOCK") takes more effort. Operate at a slow speed and allow extra time and distance for maneuvers to avoid loss of control.

Low range should be used instead of high range in the following cases,otherwise it may cause the damage to the vehicle.

- Keep driving at low speed(less than 7MPH or 11km/h)
- Heavy loading
- Rough road or climbing

9

10



WARNING



- Always charge the battery in dry conditions with the vehicle in dry state.
- Prohibit battery charging outdoors in rainy days.



WARNING

- Charge the battery every month
- Charge the battery after use
- Stop charging batteries when the charging indication light becomes green
- Charge should not exceed 8 hours

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WARNING

Severe INJURY or DEATH can result if you ignore the following:

- Maximum Load in Cargo Bed:150kg(331lbs).
- Never carry passengers in cargo bed.
- Cargo can affect handling and stability.

Read Owner's Manual before loading or towing.

- When loading with cargo or towing a trailer:Reduce speed and allow more room to stop.Avoid hills and rough terrain.
- Be sure cargo is secured a loose load could change handling unexpectedly.
- Keep weight in the cargo bed centered ,and as low and far forward as possible.Top heavy loads increase the risk of overturn.

3. SFETY WARNING

12



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4. DAILY PRE-RIDE INSPECTION



WARNING

You must inspect your OFF ROAD-UTV CART each time before riding to ensure it is in proper working order. If proper inspection is not done, injury or death could result.

Use the following checklist to verify your machine is in proper working order each time you ride.

ITEM/ INSPECTION PROCEDURE

1, Tire— check condition and pressures.

2, All brakes— check fluid level, check operation, adjustment (includes parking brake).

● Brake pedal

Check for correct brake pedal free play. If the brake pedal free play is incorrect, have an authorized dealer adjust it. Check the operation of the brake pedal. It should move smoothly and there should be a firm feeling when the brakes are applied. If not, have the vehicle inspected by your dealer.

● Brake fluid leakage

Check to see if any brake fluid is leaking out of the pipe joints or the brake fluid reservoir. Apply the brakes firmly for one minute. If there is any leakage, have the vehicle inspected by an authorized dealer.

Brake fluid level

● Check the brake fluid level.

Add fluid if necessary.

● Brake operation

Test the brakes at slow speed after starting out to make sure they are working properly. If the brakes do not provide proper braking performance, inspect the brake system.

3, Throttle/ Accelerator pedal— check for free operation, closing and freeplay.

Check to see that the accelerator pedal operates correctly. It must operate smoothly and fully spring back to the idle position when released.

Have an authorized dealer repair as necessary for proper operation.

4. DAILY PRE-RIDE INSPECTION

4, Headlight / Taillight / Brake light— check operation of all indicator lights and switches.

6, Emergency stop switch— check for proper function.

7, Wheels— check for tightness of wheel nuts and axle nuts; check those axle nuts are secured by cotter pins.

Check balance/ damage/ runout. Have an authorized dealer repair/ replace if necessary.

Check bearing assemblies for looseness/damage. Have an authorized dealer replace if damaged.

8, Steering— check for free operation noting any unusual looseness in any area.

Park on level ground. Turn the steering wheel right and left. Check for excessive free play, abnormal noises, or a rough feeling. Have an authorized dealer repair as necessary for proper operation.

9, Loose parts — visually inspect vehicle for any damaged components or loose nuts/bolts or fasteners.

Always check the tightness of chassis fittings and fasteners before a ride. Take the vehicle to your dealer for correct tightening torque.

11, Operator's and passenger's helmets, goggles and clothing.

12, Seat belts— Check for proper operation and belt wear.

Make sure that both seat belts are not frayed or damaged. The seat belt must move smoothly when pulled out and retract on its own when released. The latch plate should click securely into the buckle and release when the release button is pushed firmly. Clean off any dirt or mud which could affect operation. Have an authorized dealer repair as necessary for proper operation.

5. OPERATION WARNINGS



WARNING

POTENTIAL HAZARD

Malfunction of the accelerator pedal.

WHAT CAN HAPPEN

The accelerator pedal could be hard to operate, making it difficult to speed up or slow down when you need . This could cause an accident.

HOW TO AVOID THE HAZARD

Check the operation of the accelerator pedal before you start the engine. If it does not work smoothly, check for the cause. Correct the problem before operating the vehicle. Consult an authorized dealer if you can't find or solve the problem yourself.



WARNING

POTENTIAL HAZARD

Not wearing the seat belt.

Wearing the seat belt improperly.

WHAT CAN HAPPEN

There is increased risk of being killed or seriously injured in an accident.

HOW TO AVOID THE HAZARD

Always wear your seat belt when riding in the vehicle.

Be sure the seat belt is close-fitting across your hips and chest and is latched securely.



WARNING

POTENTIAL HAZARD

Try to stop the tipping vehicle with your arm or leg.

WHAT CAN HAPPEN

You could be severely injured. You could suffer a crushed hand, arm, leg, or foot,

HOW TO AVOID THE HAZARD

You must keep your arms and legs inside the vehicle until it has stopped moving.

If you are in a situation where the vehicle is tipping over, do not put your arm or/ and leg outside, do not try to stop tipping with your arm or leg. You could be severely injured. You could suffer a crushed hand, arm, leg, or foot, if part of your body is caught underneath the vehicle.

5. OPERATION WARNINGS



WARNING

POTENTIAL HAZARD

Pinch points.

WHAT CAN HAPPEN

You or someone else could be pinched between the cargo bed and the frame when the bed is being lowered.

HOW TO AVOID THE HAZARD

Before closing the bed, be sure others are standing away from the vehicle. Keep hands and fingers away from the pinch points between the bed and the frame.



WARNING

POTENTIAL HAZARD

Overloading the cargo bed

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated maximum load limit for this cargo bed.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo. Allow greater distance for braking.



WARNING

POTENTIAL HAZARD

Carrying a passenger/ passengers in the cargo bed

WHAT CAN HAPPEN

The passenger(s) could fall, be thrown out, or be struck by objects in the cargo bed.

HOW TO AVOID THE HAZARD

Never carry a passenger/ passengers in the cargo bed. This cargo bed is designed to carry cargo only.



WARNING

5. OPERATION WARNINGS

POTENTIAL HAZARD

Driving with improperly operating brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

Always check the brakes before every ride. Do not operate the vehicle if you find any problem with the brakes. If a problem cannot be corrected by the adjustment procedures provided in this manual, have the vehicle inspected by an authorized dealer.



WARNING

POTENTIAL HAZARD

Operating vehicle without being familiar with all controls.

WHAT CAN HAPPEN

Loss of control, which could cause an accident or injury.

HOW TO AVOID THE HAZARD

Read the Owner's Manual carefully. If there is a control or function you do not understand, ask our authorized dealer.



WARNING

POTENTIAL HAZARD

Overloading this vehicle or carrying or towing cargo improperly.

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to 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 when carrying cargo or pulling a trailer. Allow greater distance for braking.



WARNING

POTENTIAL HAZARD

Operating this vehicle with improper modifications.

WHAT CAN HAPPEN

5. OPERATION WARNINGS

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

HOW TO AVOID THE HAZARD

Never modify this vehicle through improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine parts or equivalent components designed for use on this vehicle and should be installed and used according to instructions. If you have questions, consult an authorized dealer.



WARNING

POTENTIAL HAZARD

Operating/ riding this OFF ROAD-UTV CART without wearing an approved helmet, eye protection and protective clothing.

WHAT CAN HAPPEN

Operating/ riding without an approved helmet increases your chances of a severe head injury or death in the event of an accident.

Operating/ riding without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.

HOW TO AVOID THE HAZARD

Always wear an approved helmet which fits properly.

You should also wear eye protection (goggles or face shield); gloves; boots; long-sleeved shirt or jacket; and long pants.



WARNING

POTENTIAL HAZARD

Operating this OFF ROAD-UTV CART after drinking alcohol or edibling drugs.

WHAT CAN HAPPEN

Could seriously affect your judgment.

Could cause you to react more slowly.

Could affect your balance and perception.

Could result in an accident.

HOW TO AVOID THE HAZARD

Never drink alcohol or edible drugs before or while driving this OFF ROAD-UTV CART.

5. OPERATION WARNINGS



WARNING

POTENTIAL HAZARD

Operating this OFF ROAD-UTV CART at excessive speeds.

WHAT CAN HAPPEN

Increases your chances of losing control of the OFF ROAD-UTV CART, which can result in an accident.

HOW TO AVOID THE HAZARD

Always travel at a speed which is proper for the terrain, visibility and operating conditions; and your experience.



WARNING

POTENTIAL HAZARD

Failure to inspect the OFF ROAD-UTV CART before operating.

Failure to properly maintain the OFF ROAD-UTV CART.

WHAT CAN HAPPEN

Increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD

Always inspect your OFF ROAD-UTV CART each time you use it to make sure the OFF ROAD-UTV CART is in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.



WARNING

POTENTIAL HAZARD

Removing hands from steering wheel or feet from footrests during operation.

WHAT CAN HAPPEN

Removing even one hand or foot can reduce your ability to control the OFF ROAD-UTV CART or could cause you to lose your balance and fall off the OFF ROAD-UTV CART.

HOW TO AVOID THE HAZARD

Always keep both hands on the steering wheel and both feet on the footrests of your OFF ROAD-UTV CART during operation.



WARNING

POTENTIAL HAZARD

5. OPERATION WARNINGS

Failure to use extra care when operating this OFF ROAD-UTV CART on unfamiliar terrain.

WHAT CAN HAPPEN

You can come upon hidden rocks, bumps, or holes, without enough time to react.

Could result in the OFF ROAD-UTV CART overturning or going out of control.

HOW TO AVOID THE HAZARD

Go slowly and be extra careful when operating on unfamiliar terrain.

Always be alert to changing terrain conditions when operating the OFF ROAD-UTV CART.



WARNING

POTENTIAL HAZARD

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

WHAT CAN HAPPEN

Could cause loss of traction or vehicle control, which could result in an accident, including an overturn.

HOW TO AVOID THE HAZARD

Do not operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the OFF ROAD-UTV CART on such terrain.

Always be especially cautious on these kinds of terrain.



WARNING

POTENTIAL HAZARD

Turning improperly.

WHAT CAN HAPPEN

OFF ROAD-UTV CART could go out of control, causing 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 low speeds before attempting to turn at faster speeds.

Do not turn at excessive speed.

5. OPERATION WARNINGS

Never operate OFF ROAD-UTV CART on hills steeper than 15%.



WARNING

POTENTIAL HAZARD

Improperly operating over obstacles.

WHAT CAN HAPPEN

Could cause loss of control or a collision. Could cause the OFF ROAD-UTV CART to overturn.

HOW TO AVOID THE HAZARD

Before operating in a new area, check for obstacles.

Use extreme caution when riding over large obstacles, such as large rocks or fallen trees.

If you cannot avoid obstacles, always follow proper procedures as described in the Owner's Manual.



WARNING

POTENTIAL HAZARD

Skidding or sliding,

WHAT CAN HAPPEN

You may lose control of the OFF ROAD-UTV CART.

You may also regain traction unexpectedly, which may cause the OFF ROAD-UTV CART to overturn.

HOW TO AVOID THE HAZARD

On slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.



WARNING

POTENTIAL HAZARD

Operating this OFF ROAD-UTV CART through deep or fast flowing water.

WHAT CAN HAPPEN

May cause the electric motor or the cable short circuit, or the vehicle out of control, which could lead to an accident

HOW TO AVOID THE HAZARD

Never operating the OFF ROAD-UTV CART through water which exceeds the recommended maximum depth in this manual.

5. OPERATION WARNINGS



WARNING

POTENTIAL HAZARD

Operating this OFF ROAD-UTV CART with improper tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on this OFF ROAD-UTV CART, or operation of this OFF ROAD-UTV CART with improper or uneven tire pressure, may cause loss of control, and increases the risk of an accident.

HOW TO AVOID THE HAZARD

Always use the size and type tires specified in the Owner's Manual for this vehicle.

Always maintain proper tire pressure as described in the Owner's Manual.

Use proper pressures stated on the side wall of the tire when seating the tire beads. Higher pressures may cause the tire to burst. Inflate the tires very slowly and carefully. Fast inflation could cause the tire to burst.



WARNING

POTENTIAL HAZARD

Operating this OFF ROAD UTV CART with improper modifications.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

Never modify this OFF ROAD UTV CART through improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine or equivalent components designed for use on this OFF ROAD UTV CART; and should be installed and used according to instructions. If you have questions, consult our authorized dealer.

5. OPERATION WARNINGS



WARNING

POTENTIAL HAZARD

Riding on frozen lakes and rivers.

WHAT CAN HAPPEN

Severe injury or death can result if the OFF ROAD UTV CART and /or the operator break through the ice.

HOW TO AVOID THE HAZARD

Never ride you OFF ROAD UTV CART on a frozen body of water.



WARNING

After a rollover or an accident, have a qualified service dealer check the complete machine including, but not limited to, brakes, throttle and steering for possible damage.



WARNING

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



WARNING

POTENTIAL HAZARD

Operating this OFF ROAD UTV CART on extreme off-road terrain , extreme slopes or jumping .

WHAT CAN HAPPEN

It might lead to operator and passenger severe injured or dead, the damage of the suspension, battery, circuit and motor.

HOW TO AVOID THE HAZARD

Operating this OFF ROAD UTV CART on the smooth terrain.

5. OPERATION WARNINGS



WARNING

POTENTIAL HAZARD

Operating the OFF ROAD UTV CART through water.

WHAT CAN HAPPEN

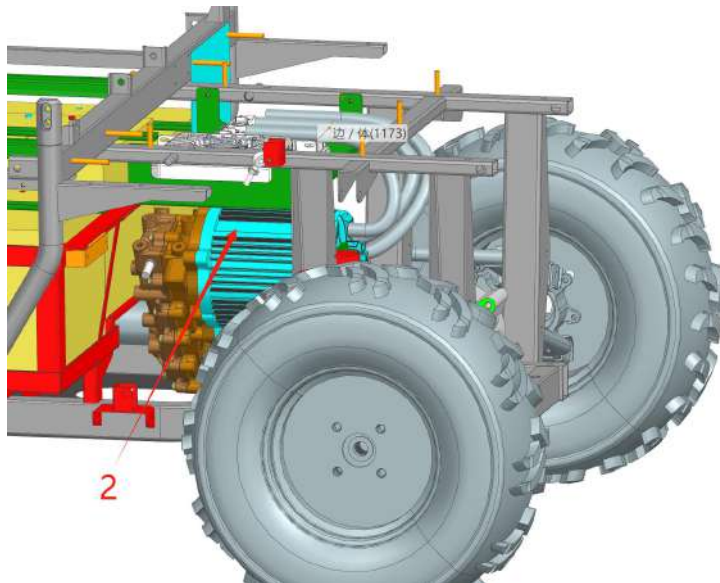
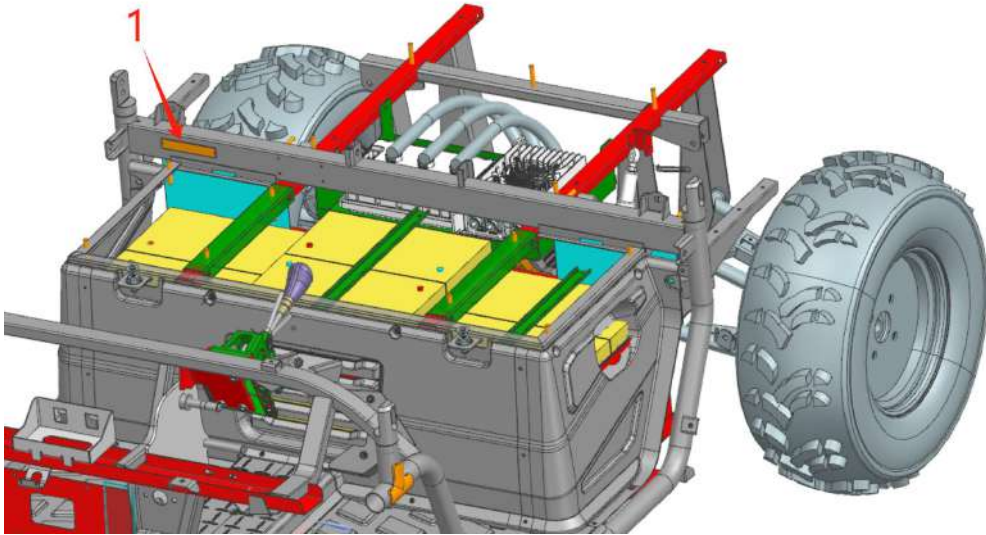
There is a risk of short circuit or leakage from wading driving the vehicle. It might lead to operator and passenger severe injured or dead, vehicle damaged or even ignited.

HOW TO AVOID THE HAZARD

Operating this OFF ROAD UTV CART on the dry terrain.

OWNER'S/OPERATOR'S MANUAL

6. V.I.N., ENGINE SERIAL NUMBER AND KEY



Record these numbers from your OFF ROAD-GOLF CART in the spaces provided.

1. Frame VIN (found on the rear left of the frame tube)

[illegible]

- ## 2. Motor Serial Number (on the motor body)

6. V.I.N., ENGINE SERIAL NUMBER AND KEY

Remove the spare key and store it in a safe place. Your key can be duplicated only by obtaining a key blank and having it cut by mating it with your existing key.

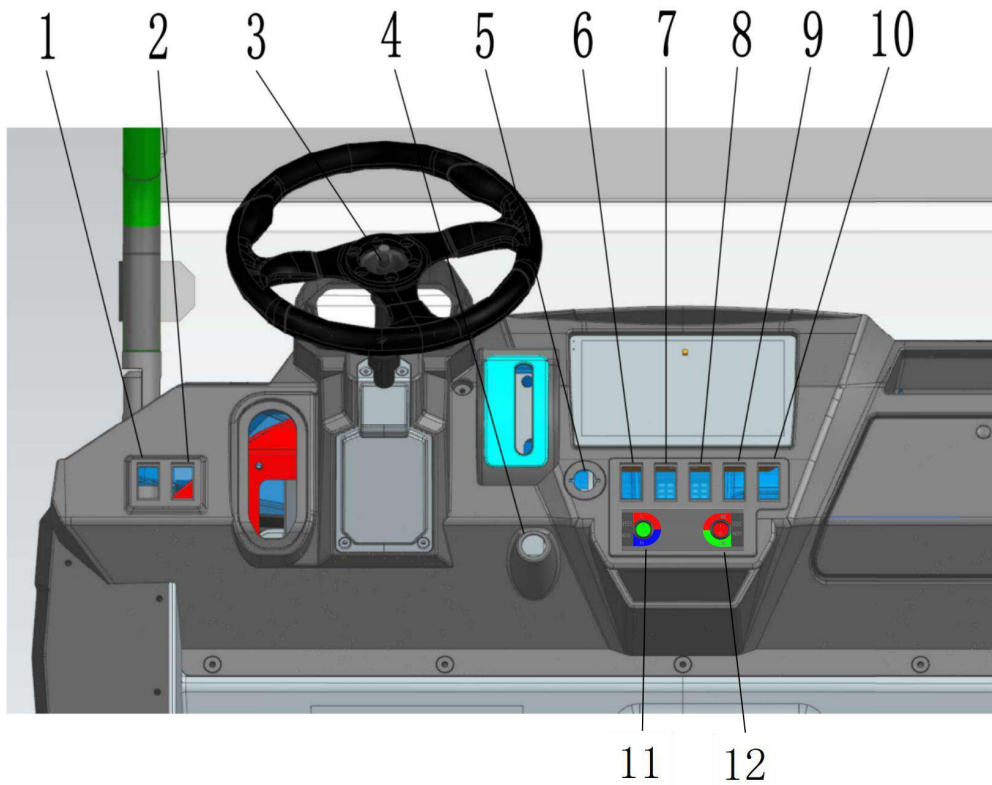
Record Key Number

The vehicle frame and engine serial numbers are important for model identification when registering your vehicle, obtaining insurance or whenever replacement parts are required. In the event your vehicle is stolen these numbers are essential to the recovery and identification of your OFF ROAD-GOLF CART.

7. CONTROL AND PARTS FUNCTIONS

ELECTRICAL SWITCHES

Switch On Panel



- 1, Light Switch 2, Hi/ Lo Beam Switch 3, Horn 4, Main Switch
 5, USB interface 6, Turning Signal Switch 7, Emergency Switch
 8, Differential Lock Switch 9, Lifter Switch 10, Traction Switch
 11, Speed Mode Switch 12, 4WD Switch

Functions of the respective switch positions are as follows:

1, Light Switch -- Turn on the headlight, rear position lights and LCD Meter backlight.

2, Hi/ Lo Beam Switch -- Shift the high and low beam of headlight.

3, Horn -- Switch for horn.

4, Main Switch

ON: All electrical circuits are supplied with power.

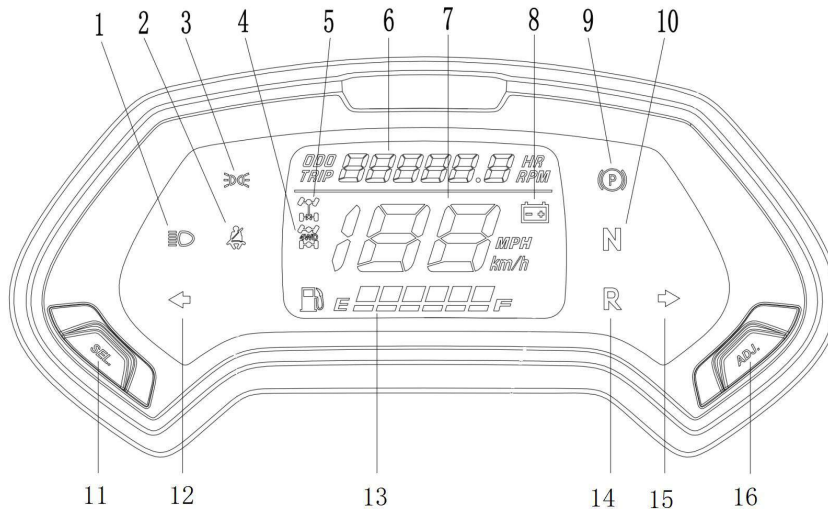
OFF: All electrical circuits are switched off.

5, USB interface -- Used to plug USB devices

7. CONTROL AND PARTS FUNCTIONS

- 6, Turn Signal Switch --Turns on the left/right turn signals.
- 7, Emergency Switch --Turns on all the turn signals.
- 8, Differential Lock Switch -- For controlling the rear differential, rear differential lock does not work when locking.
- 9, Cargo bed Lifter Switch--Control the reversal of the cargo bed.
- 10, Winch Switch -- For controlling the winch “out” or “in”.
- 11, Speed Mode Switch--For controlling the motor running in high speed or lower speed.
- 12, 4WD Switch -- Change condition of vehicle to 4WD or 2WD.

LCD Meter



1. Headlight switch indicator	11. Function buttons1
2. Seat belt warning	12. Left Turn Indicator
3. Headlight switch indicator	13. Electricity Gauge
4. 2WD-4WD indicator	14. Reverse indicator
5. Rear differential lock indicator	15. Right Turn Indicator
6. Odometer	16. Function buttons2
7. Speed	
8. Low battery warning	
9. Parking indicator	
10. Neutral indicator	

7. CONTROL AND PARTS FUNCTIONS

Key function:

Function	Button 1	Button 2	Display
Interface switching	Short press		Total mileage Subtotal mileage Engine tachometer Backlight level Engine tachometer
Backlight adjustment		Short press	Backlight level +1
Mileage clearing		Long press	Subtotal mileage clearing
Unit Switching	Short press		Speed unit flashing
		Short press	Metric/English unit switching
Return	Short press		Save and Exit

Caution: Electric fuel injection failure alarm indicator should be lit, when open the key switch but did not start the engine, to prompt the alarm function is normal. After the engine starting, the lamp shall be put out, otherwise the efi system is faulty.
with the cap.

7. CONTROL AND PARTS FUNCTIONS

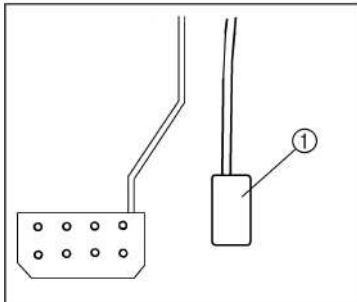
ACCELERATOR PEDAL



WARNING

Before starting the engine, check the accelerator pedal to be sure it is operating smoothly.

Make sure the accelerator pedal fully returns to the idle position as soon as it is released.



1. Electric acceleration pedal

Operating voltage : DC 12V output
signal: DC0.9~4.0V

You must fully release the electric acceleration pedal firstly when you want to change the gear, otherwise, the motor will not work.



WARNING

POTENTIAL HAZARD

Malfunction of the electric acceleration pedal.

WHAT CAN HAPPEN

The electric acceleration pedal could be hard to operate, making it difficult to speed up or slow down when you need to. This could cause an accident.

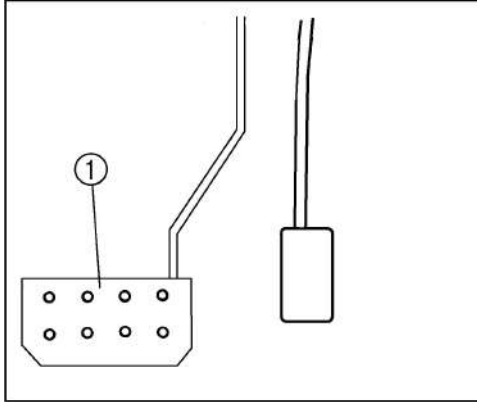
HOW TO AVOID THE HAZARD

Check the operation of the electric acceleration pedal before you start the engine. If it does not work smoothly, check for the cause. Correct the

problem before operating the vehicle. Consult the authorized dealer if you can't find or solve the problem yourself.

7. CONTROL AND PARTS FUNCTIONS

BRAKE PEDAL



1.Brake pedal

Press the brake pedal to slow or stop the vehicle.



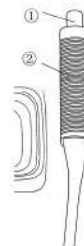
WARNING

Never operate the OFF ROAD-UTV CART with a spongy feeling brake pedal. Operating the OFF ROAD-UTV CART with a spongy brake pedal can result in loss of braking. Loss of braking could cause an accident.

PARKING BRAKE LEVER

The parking brake lever is located at the left hand of the steering wheel . It will help hold the vehicle from moving while parked. To set the parking brake, pull the lever up completely. The parking indicator light will come on if the main switch is on. To release the parking brake, pull up on the lever, press the release button, and then push the lever all the way down. Be sure to fully release the parking brake before starting out. Failure to do so may result in poor performance and premature wearing of the parking brake and V-belt.

1. Release button
2. Parking brake lever



7. CONTROL AND PARTS FUNCTIONS

DC-DC Converter

Location behind the bumper

Use for Convert 72V from battery to 13.5V. It can make sure the meter and light on cart working normally when the batteries undervoltage.



SEATS



1. Drive seat

2. Passenger seat

To remove a seat, lift the front of the seat, and then slide the seat up and forward.

To install a seat, insert the projections on the rear of the seat into the seat holders and push down on the seat at the front.



WARNING

POTENTIAL HAZARD

A loose seat.

WHAT CAN HAPPEN

The operator could lose control or the operator or passenger could fall

7. CONTROL AND PARTS FUNCTIONS

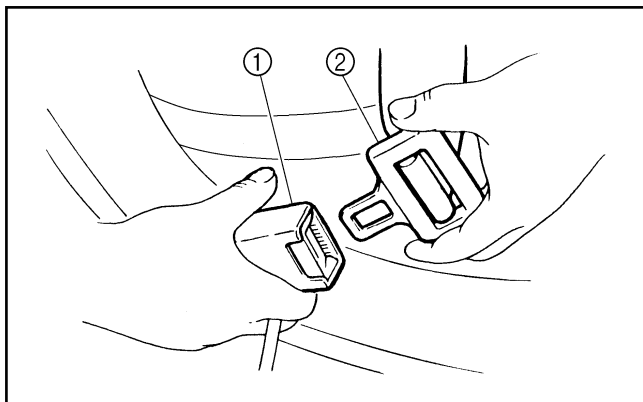
if the seat is loose during operation.

HOW TO AVOID THE HAZARD

Make sure the seat is securely latched.

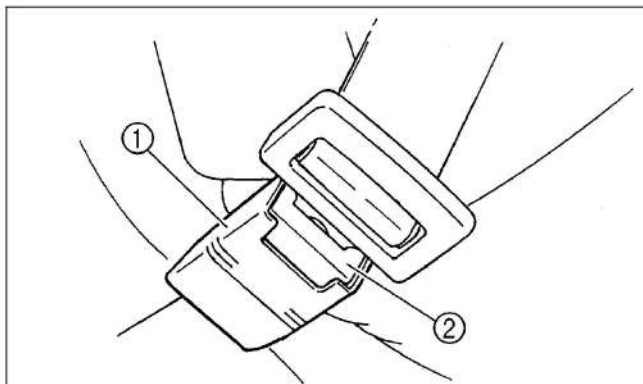
SEAT BELTS

This vehicle is equipped with three-point seat belts for both the operator and passenger. Always wear the seat belt while riding in the vehicle.



1. Buckle

2. Latch plate



1. Buckle

2. Release button

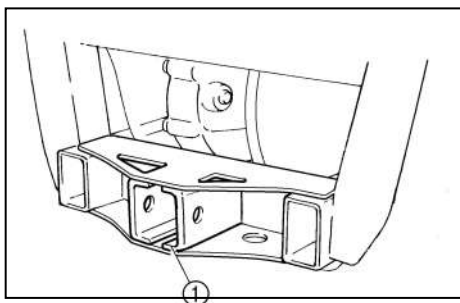


CAUTION

To protect from damage, do not put metal products, like tools or sharply edged products directly in the glove compartment. If they must be stored, wrap them in appropriate cushion material.

7. CONTROL AND PARTS FUNCTIONS

TRAILER HITCH BRACKET



1.Trailer hitch bracket

This vehicle is equipped with a receiver bracket for a standard trailer hitch.

8. RIDING WEAR

Always wear clothing suitable to the type of riding you are doing. OFF ROAD-UTV CART riding requires special protective clothing which will make you feel more comfortable and reduce chances of injury.

1. Helmet

Your helmet is the most important piece of protective gear for safe riding. Select an approved off-road motorcycle -type helmets that fits properly prevent a severe head injury.

2. Eye Protection

A pair of goggles or helmet face shield offer the best protection for your eyes.

3. Gloves (off-road style)

4. Boots

A pair of strong over the calf type boots with heels, such as motocross boots.

5. Clothing

To protect your body, long sleeves and pants should always be worn. Riding pants with kneepads, a jersey and shoulder pads provide the best protection.

8. RIDING WEAR



WARNING

POTENTIAL HAZARD

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

WHAT CAN HAPPEN

Operating without an approved motorcycle helmet increases your chances of a severe head injury or death in the event of an accident.

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.

HOW TO AVOID THE HAZARD

Always wear an approved motorcycle helmet that fits properly. You should also wear: eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket long pants.

9. CARRYING LOADS

CARRYING LOADS

Cargo or a trailer can change the stability and handling of a vehicle.

You must use common sense and good judgment when carrying cargo or towing a trailer. Keep the following points in mind:

- Never exceed the weight limits shown. An overloaded vehicle can be unstable.

MAXIMUM LOADING LIMIT

Cargo bed: 150 kg (331 lb)

Trailer hitch:

Pulling load (total weight of trailer and cargo): 200 kgf (440 lbf)

Tongue weight (vertical weight on trailer hitch point): 11 kgf (25 lbf)

- Choose a trailer hitch drawbar designed for use with a 5 cm (2 in) receiver.
- Load cargo in the cargo bed as close to the center of the vehicle as possible and tie it down using the cargo hooks equipped on the cargo bed.
- Tie down cargo securely in the trailer. Make sure cargo in the trailer cannot move around. A shifting load can cause an accident.
- Make sure the load does not interfere with controls or your ability to see where you are going.
- Drive more slowly than you would without a load. The more weight you carry, the slower you should go. Although conditions vary, it is good practice not to exceed low range whenever you are carrying

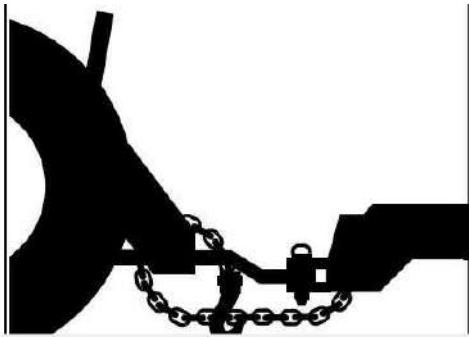
9. CARRYING LOADS

heavier loads or when towing a trailer.

- Allow more braking distance. A heavier vehicle takes longer to stop.
- Avoid making sharp turns unless at very slow speeds.
- Avoid hills and rough terrain. Choose terrain carefully. Added weight affects the stability and handling of the vehicle.

Use A Safety Chain

- A safety chain will help control drawn machinery should it separate from the tractor drawbar.
- Use a chain with the strength rating equal to or greater than the gross weight of the towed machinery.
- Attach the chain to the tractor drawbar support or other specified anchor location. Allow only enough slack in the chain to permit turning.
- Do not use safety chain for towing.



WARNING

POTENTIAL HAZARD

Overloading this vehicle or carrying or towing cargo improperly.

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

9. CARRYING LOADS

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this vehicle. Cargo should be properly distributed and securely attached. Reduce speed when carrying cargo or pulling a trailer. Allow greater distance for braking.



WARNING

POTENTIAL HAZARD

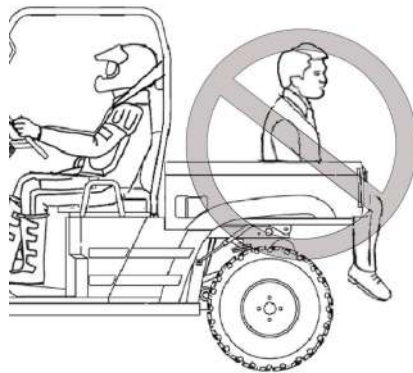
Carrying a passenger in the cargo bed.

WHAT CAN HAPPEN

The passenger could fall or be struck by objects in the cargo bed.

HOW TO AVOID THE HAZARD

Never carry a passenger in the cargo bed. The cargo bed is designed to carry cargo only.



10. DRIVING YOUR VEHICLE

GETTING TO KNOW YOUR VEHICLE

This OFF ROAD UTV CART will handle and maneuver differently from an ordinary passenger car or other vehicle. Before you begin to use your vehicle, be sure you have read this Owner's Manual completely and understand the operation of the controls. Pay particular attention to the safety information. Please also read all caution and warning labels on your vehicle. This vehicle is designed for the operator and one passenger. The driver and passenger must always wear a seat belt. Never carry passengers in the cargo bed.



WARNING

POTENTIAL HAZARD

Not wearing the seat belt.

Wearing the seat belt improperly.

WHAT CAN HAPPEN

There is increased risk of being killed or seriously injured in an accident.

HOW TO AVOID THE HAZARD

Always wear your seat belt when riding in the vehicle. Be sure the seat belt is close-fitting across your hips and chest and is latched securely.

Driving Procedure

1. Disconnect the charging cable (if connected).
2. All riders should wear substantial footwear, long pants and a close-fitting shirt. A hard hat or helmet and approved eye protection are recommended when appropriate for working or riding conditions.
3. Sit in the driver's seat.
4. Apply the brakes. Place the direction selector in neutral (N).
5. Apply the brakes. Turn the key to the ON position. Wait about a second for the contactor to close before continuing.
6. Move the direction selector to forward or reverse.
7. Release the park brake.
8. Check your surroundings and determine your path of travel.
9. Keeping both hands on the steering wheel, release the brake pedal and gradually push the accelerator toward the floor to begin driving.
10. Drive slowly. Practice maneuvering and using the accelerator and

10. DRIVING YOUR VEHICLE

brakes on level surfaces.

11. Do not carry a passenger until you have at least two hours of driving experience with this vehicle. Never carry more than one passenger in this vehicle. Never allow a passenger to ride in the cargo box.

12. To stop the vehicle, release the accelerator pedal completely and brake to a complete stop.

Tip: Always come to a complete stop before reversing direction.

13. Set the park brake.

14. Place the direction selector in neutral.

15. Turn the key off.

WARNING! A rolling vehicle can cause serious injury. Always set the park brake and remove the key when leaving the vehicle unattended.



WARNING

You must inspect you OFF ROAD UTV CART each time before riding to ensure it is in proper working order. If proper inspection is not done, severe injury or death could result.

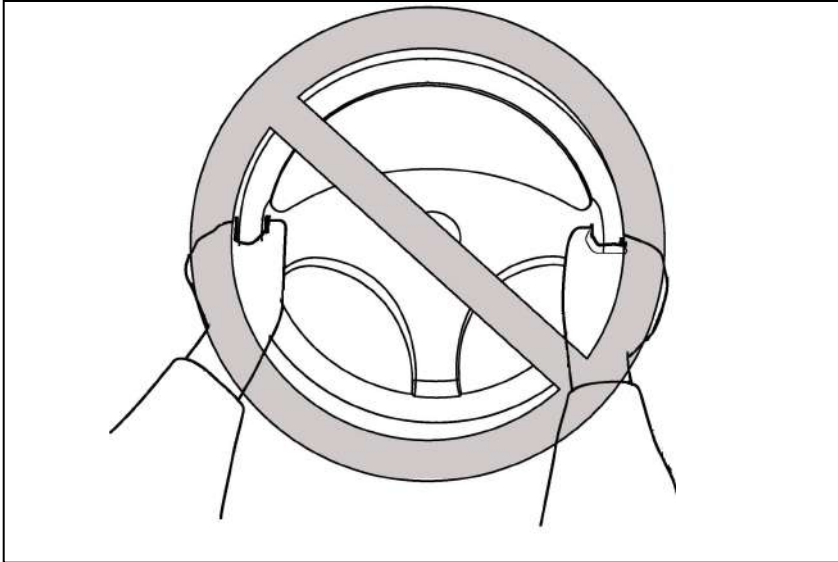
See "4.DAILY PRE-RIDE INSPECTION"

MAKING TURNS

It is possible for the vehicle to roll over or go out of control if you attempt sharp, high-speed turns. You should also be careful making sharp turns on rough terrain. Do not attempt to turn around or make abrupt maneuvers on slopes.

Position your hands on the steering wheel so that your thumbs and fingers do not wrap around the wheel. This is particularly important when driving in rough terrain. The front wheels will move right and left as they respond to the terrain, and this movement will be felt in the steering wheel. A sudden jolt could wrench the steering wheel around, and your thumbs or fingers could be injured if they are in the way of the steering wheel spokes.

10. DRIVING YOUR VEHICLE



BRAKING

Braking ability is affected by the type of terrain. In most cases, gradually application of the brakes is more effective than abrupt braking, particularly on loose surfaces like gravel. Always allow for greater braking distance on rough, loose, or slippery surfaces.



WARNING

POTENTIAL HAZARD

Operating on excessively steep hills.

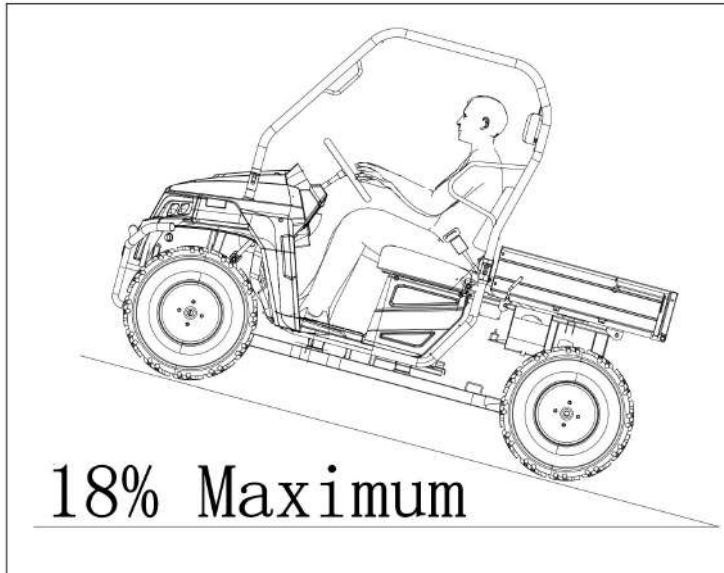
WHAT CAN HAPPEN

The vehicle can overturn more easily on extremely steep hills than on level surfaces or small hills.

HOW TO AVOID THE HAZARD

Never operate your vehicle on hills too steep for it or your abilities. Never operate vehicles on hills steeper than 15%. Do not drive across the face of a hill. Go straight up the hill. Practice on smaller hills before attempting large hills.

10. DRIVING YOUR VEHICLE



18% Maximum

Go as slowly as possible. If you are starting to go too fast, apply the brakes gently. Avoid sudden application of the brakes, which could cause the vehicle to start sliding. If you are sliding or skidding, try to steer in the direction the vehicle is sliding to help you regain control. If you must turn on the hill to avoid an obstacle, do so slowly and carefully. If the vehicle starts to tip, gradually steer in the downhill direction if there are no obstacles in your path. As you regain proper balance, gradually steer again in the direction you want to go.



WARNING

POTENTIAL HAZARD

Try to stop the tipping vehicle with your arm or leg.

WHAT CAN HAPPEN

You could be severely injured. You could suffer a crushed hand, arm, leg, or foot,

HOW TO AVOID THE HAZARD

You must keep your arms and legs inside the vehicle until it has stopped moving.

As with any off-road-capable vehicle, there is a risk of tip over or rollover under certain conditions. Uneven terrain or slopes which pitch

10. DRIVING YOUR VEHICLE

the vehicle sideways, turning too fast or sharp, or a combination of conditions increase the risk of tip over.

If you are in a situation where the vehicle is tipping over, do not put your arm or/ and leg outside the vehicle, do not try to stop tipping with your arm or leg. You could be severely injured. You could suffer a crushed hand, arm, leg, or foot, if part of your body is caught underneath the vehicle.



WARNING

POTENTIAL HAZARD

Operating this vehicle through deep or fast-flowing water.

WHAT CAN HAPPEN

Loss of control, which could result in an accident including overturn, which could increase the risk of drowning.

HOW TO AVOID THE HAZARD

Never operate this vehicle in fast flowing water or in water deeper than 200 mm (8 in). Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the linings.



WARNING

POTENTIAL HAZARD

Improperly operating over obstacles

WHAT CAN HAPPEN

Could cause loss of control or a collision. Could cause the vehicle to overturn.

HOW TO AVOID THE HAZARD

Before operating in a new area, check for obstacles. Use extreme caution when operating over large obstacles, such as large rocks or fallen trees.

10. DRIVING YOUR VEHICLE

PARKING

When parking, stop the motor and shift the drive select lever into the neutral position. Apply the parking brake to help prevent the vehicle from rolling.

Parking on a slope

1. Apply the brakes.
2. Set the park brake.
3. Place the direction selector in neutral.
4. Turn the key off.
5. Block the rear wheels on the downhill side.



WARNING

POTENTIAL HAZARD

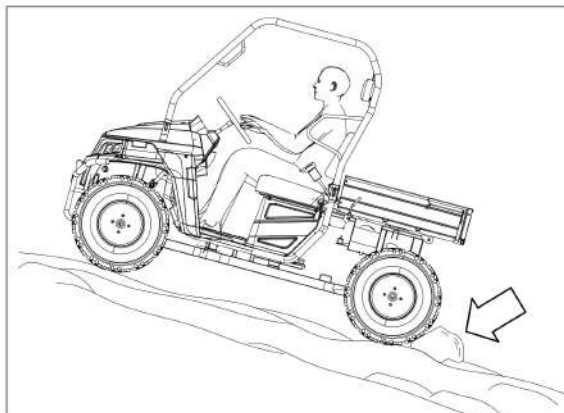
Parking on a hill or other incline.

WHAT CAN HAPPEN

The vehicle could roll out of control, increasing the chance of an accident.

HOW TO AVOID THE HAZARD

Avoid parking on hills or other inclines. If you must park on an incline, apply the parking brake, and block the front and rear wheels with rocks or other objects. Do not park the vehicle at all on hills that are so steep you could not walk up them easily.



11. BATTERY

SPECIFICATIONS

DC 72V 140Ah (6×12V) Lead acid battery

Check for appearance and connection

1. The shell, cover of the battery has no swelling, acid leakage or damage.
2. Check whether the battery is dirt;
3. Check whether the connection wire or terminal is rusty
4. Check whether the connection bolt is loose

Avoid short circuit



NOTE

The short circuit current can reach up to thousands of ampere, As a result, a large amount of heat is generated in the connecting part of the short circuit, it will damage the battery, leakage of liquid and even explosion, cause serious injury or death.

In order to avoid short circuit, you need to be extra careful when you Install or remove batteries and using insulation tools. The cable for connecting the battery cannot placed casually, it may cause short circuit.

The battery terminal screws should be covered by insulating cap. Arrangement of cable should void overlapping pressure to produce a breakdown.

11. BATTERY

Battery Conditioning

New batteries cannot initially hold all of their capacity. The approximate capacity of the battery pack increases as the number of charge cycles increases.

# of Charge Cycles:	New	15	30	45
Percent of Full Capacity:	80%	90%	95%	100%

Ambient Temperature Implications on Batteries

1. Battery range decreases as ambient temperature decreases. This can affect the range by up to 30%.
2. Batteries discharge when left uncharged. They can discharge up to 13% per month (higher rates in warmer climates) with the key off and much faster if the key is left on.
3. Batteries can freeze if left uncharged at low ambient temperatures.

Percent Charged:	100%	50%	0%
Approximate Freezing Point:	(-51° C)	(-18° C)	(-4° C)

FEATURES AND CONTROLS

Main Power Connector

NOTICE: Damage to electrical connections and components will occur if they are unplugged before the main power connector is disconnected. Always disconnect the main power connector before servicing or unplugging any electrical components.

CHARGING

The cart charger is under the cargo bed and the charging socket located on the left side under the seat.

Each car is equipped with a charging plug. Please use the original charging plug.

11. BATTERY

Check the charging plug and charging socket whether these is damaged or water stains, to prevent short circuits.

There has a charging indicator on instrument panel to indicates

Charging capacity:

Color	Indication	Code Definition
Green	Keep Still	Charge is complete
Yellow	Slow Flash	70%~90%
Red	Slow Flash	Less than 70%

Maintain

1. Do not allow the battery to be in a state of loss for a long time, it will decrease the capacity of the battery and affect the service life seriously.

2. If you find mileage significantly reduced, check the voltage of each battery using a universal meter. In usually, one single battery voltage will reach more than 13.1V in the state of full power. If one of the battery voltage has been significantly lower than the other batteries, please go to the authorized dealer for inspection and maintenance.

3 avoid exposure in the sun

The sun exposure will increase the temperature of the battery, increase the amount of water loss, thereby affecting the battery life.

4. Electric vehicles should be slow to accelerate in the start. If you step on the accelerator pedal to the end at first time, it will cause the battery discharge is too fast, thereby reduction of battery life..

5. In winter, the battery capacity decreases with the decrease of temperature, which is a normal phenomenon. To 68°F as the standard, battery capacity will drop to 80% in 14°F.

6. Keep the battery surface clean, vehicle parking should be parked in a

11. BATTERY

cool ventilated place.

7. Please charge the battery to full before you need place the vehicle for a long time and charging one time at least each month.

8. The original car charger is through the battery matching, do not replace the charger arbitrarily.

12. MAINTENANCE



CAUTION

Due to the nature of the adjustments marked with a **D** on the following chart, it is recommended that service be performed by an authorized dealer.

- More often under severe use, such as dirty or wet conditions to purge water or dirt contamination from grease fittings and other critical components.

PERIODIC MAINTENANCE SCHEDULE

Careful periodic maintenance will help keep your vehicle in the safest, most reliable condition. Inspection, adjustment and lubrication intervals of important components are explained in the following chart on the following pages.

NOTE:

Maintenance intervals are based upon average riding conditions and an average vehicle speed of approximately 16 km/ 10 miles per hour.

However, keep in mind that if the vehicle isn't used for a long period of time, the month maintenance intervals should be followed.

Vehicles subjected to severe use, such as operation in wet or dusty areas, should be inspected and serviced more frequently.

Inspect, clean, lubricate, adjust or replace parts as necessary.

NOTE:

Inspection may reveal the need for replacement parts. Always use genuine parts available from your dealer.

Service and adjustments are critical. If you are not familiar with safe service and adjustment procedures, have a qualified dealer perform these operations.

12. MAINTENANCE

	Item	Hours	When	Remarks
●	Brake System	Pre-ride	Pre-ride	Pre-ride inspection item
	Electronic Accelerator pedal	Pre-ride	Pre-ride	Pre-ride inspection item
●	Tires	Pre-ride	Pre-ride	Inspect daily, pre-ride inspection item
●	Front and Rear Wheels/ Hubs	Pre-ride	Pre-ride	Pre-ride inspection item
●	Steering	Pre-ride	Pre-ride	Inspect daily, lubricate
D	Wheels bearings	10 hrs	Monthly	Check for looseness/ damage. Replace if damaged.
	Frame nuts, bolts fasteners	Pre-ride	Pre-ride	Pre-ride inspection item
	Headlamp Inspection	Daily	Daily	Check operation daily; apply dielectric grease to connector when replaced
	Tail/ indicator lamp inspection	Daily	Daily	Check operation daily; apply dielectric grease to socket when replaced
●	Air Filter-Main Element	Weekly	Weekly	Inspect –Replace if necessary
●	Transmission Oil Level	20 hrs	Monthly	Inspect monthly; change annually
	Battery	Monthly	Monthly	Check/clean Terminals; Check damage and deformation
D	Brake pad wear	10 hrs	Monthly	Inspect periodically
●	Rear Gear case Oil	100 hrs	Monthly	Check monthly and change annually
●	General Lubrication	50 hrs	3 months	Lubricate all fittings, pivots, cables, etc.
D	Throttle Cable/ Accelerator pedal	20 hrs	monthly	Inspect –adjust, lubricate, replace if necessary; pre-ride inspection item
D	Steering system	50 hrs	6 months	Check operation and for looseness, worn, damage, binding feeling / Adjust, repair, Replace if necessary. Check toe alignment /Adjust if necessary.

12. MAINTENANCE

D	Front Axle	10 hrs	Monthly	Check for/ Bearing seals/ looseness/ damage.
●	Rear Axle	50 hrs	6 months	Inspect bearings, Lube
●	Front Prop Shaft & Shaft Yoke	50 hrs	6 months	Check for looseness/ damage.
●	Rear Prop Shaft, Shaft Yoke & Boots	50 hrs	6 months	Check for/ boots/ looseness/ damage.
●	Front Suspension	50 hrs	6 months	Inspect-lubricate, tighten fasteners
●	Rear Suspension	50 hrs	6 months	Inspect, tighten fasteners
D	Brake fluid	200 hrs	24 months	Change every two years
	Headlight Aim	As required	As required	Adjust if necessary
●	Car charger	Monthly	Monthly	Check for heat/ cleanliness Avoid water entry

LUBRICATION RECOMMENDATIONS

	Item	Lube Rec	Method	Frequency
	1.Brake Fluid	DOT 3 Only	Maintain level Between fill lines. See "7.CONTROL"	As require; change every two years or 200 hours
	2.Transmission Oil	SAE 80W/90GL5	Add to proper level on dipstick	Change annually or at 100 hours
●	3.Steering system	Grease	Lubricate the pivoting and sliding parts	Every 3 months or 50 hours
●	4.Tie rods	Grease	Grease	Semi-annually
●	5.Shift Linkages	Grease	Locate fittings and Grease	Semi-annually
●	6.Front Wheel bearings	Inspect	Inspect and replace bearings if necessary	Semi-annually

12. MAINTENANCE

	Item	Lube Rec	Method	Frequency
●	7.Ball joints	Grease	Inspect, Locate fittings and Grease, or replace it if necessary	Semi-annually
●	8.Prop Shaft & Shaft Yoke, Spline Joint	Grease	Locate fitting and Grease	Semi-annually
●	9.Rear Axle Bearing	Grease	Grease	Every 3 months or 50 hours

NOTE:

1. More often under severe use, such as wet or dusty conditions .
2. Grease: Light weight lithium-soap grease.
3. Grease M: molybdenum disulfide(MoS_2) grease(water resistant).
4. *When suspension action becomes stiff or after washing.
5. Hours are based on 10 mph(16Km/h) average.

PERIODIC MAINTENANCE RECORD

Use the following chart to record periodic maintenance work:

Maintenance Interval Performed	Servicing Date	Servicing Dealer or Person	Remarks
First 5 Hrs			
10 Hrs			
15 Hrs			
20 Hrs			
25 Hrs			
50 Hrs			
75 Hrs			

12. MAINTENANCE

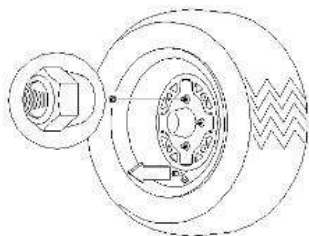
100 Hrs			

The following items should be checked occasionally for tightness; or if they have been loosened for maintenance service.

WHEEL NUT TORQUE SPECIFICATIONS

Bolt Size	Specification	
M12X1.25	50Ft.Lbs	69N.m

NOTE: All nuts that have a cotter pin installed must be serviced by an authorized Dealer.



Rear Tapered nuts: install with tapered side against wheel

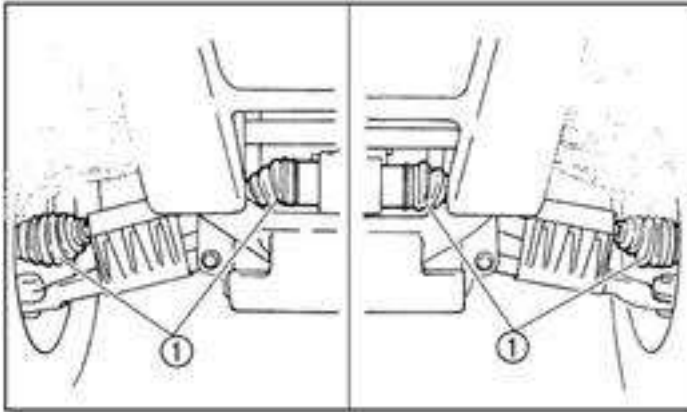
AXLE BOOTS

- Front Shaft Boots,
- Rear Axle (CV Joints,) Boots,

Check the protective boots for holes or tears. If any damage is found,

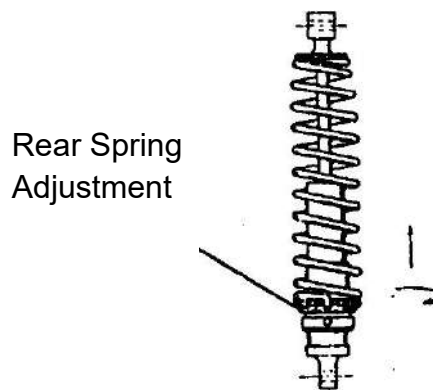
12. MAINTENANCE

have them replaced by an authorized dealer.



REAR SPRING ADJUSTMENT

The rear shock absorber spring is adjusted by rotating the adjuster in the direction required to increase or decrease spring tension.



STEERING

Steering Inspection

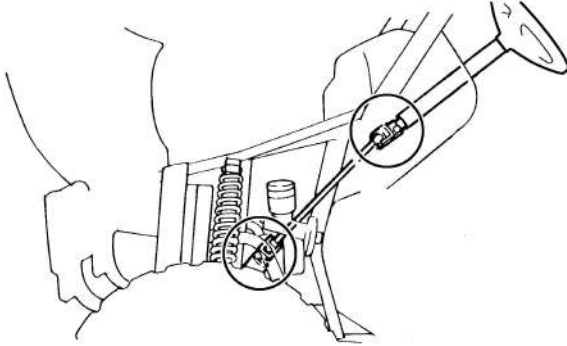
The steering assembly of the machine should be checked periodically for loose nuts and bolts, worn tie rod ends, worn boots, and damage. Checking routing of all cables, hoses, and wiring to be sure the steering mechanism is not restricted or limited. If any found, have your dealer repair them before riding your vehicle.

The steering assembly should be also checked periodically for free operation, steering should move freely through entire range of travel without binding. Park on level ground. Turn the steering wheel right and left. Check for excessive free play, abnormal noises, or a rough feeling. Have an authorized dealer repair as necessary for proper operation.

12. MAINTENANCE

Lubricate the pivoting parts.

Recommended lubricant:
Lithium-soap-based grease



CAMBER AND CASTER

The camber and caster are non-adjustable.

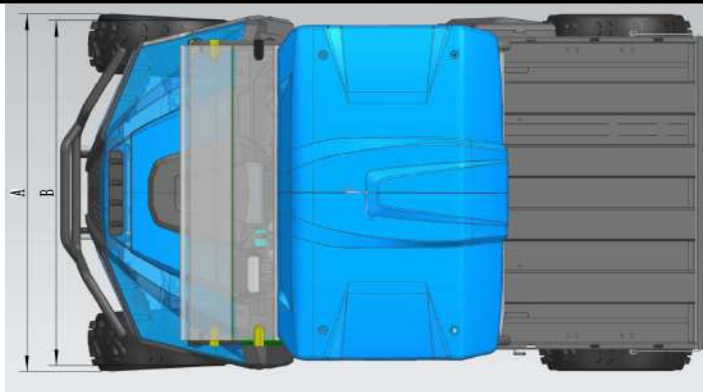
TOE ALIGNMENT CHECK



WARNING

Do not attempt to adjust the tie rod for toe alignment. Severe injury or death can result from improper adjustment.

Contact your dealer. He/she has the training and tools to Make these adjustment.



The recommended toe alignment is 1/8" to 1/4" (3 to 6mm) toe out.

1. Set the steering wheel in a straight ahead position and hold them in this position.
2. Measure A and B, A minus B should be 1/8" to 1/4" (3 to 6mm).

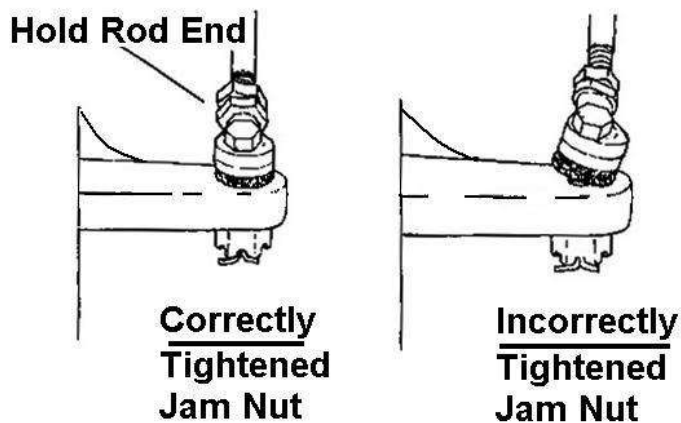
12. MAINTENANCE

3. If this measurement needs to be adjusted, contact your dealer for service.



WARNING

If the tie rod is positioned incorrectly or adjusted incorrectly, it will not pivot, may break, and may separate. Severe injury or death can result



BRAKES

Front brake



WARNING

Once a bottle of brake fluid is opened, use what is necessary and discard the rest. Do not store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, meaning it rapidly absorbs moisture from the air. This causes the boiling temperature of the brake fluid to drop, which can lead to early brake fade and the possibility of serious injury.

The front brake is hydraulic disc brakes which is depressing the brake pedal. These brakes are self-adjusting and require no adjustment. The following checks are recommended to keep the brake system in good operating condition. How often they need checking depends upon the type of driving that has been done.

- Keep fluid level in the master cylinder reservoirs as described see "7. Control and part functions". Normal functioning of the diaphragm is to

12. MAINTENANCE

extend into the reservoir as fluid level drops. If the fluid lever is low and the diaphragm is not extended, a leak is indicated and the diaphragm should be replaced. Always fill the reservoir as indicated whenever the cover is loosened or removed to insure proper diaphragm operation. Use DOT 3 brake fluid.

- Check brake system for fluid leaks.
- Check brake for excessive travel or spongy feel.
- Check friction pads for wear, damage and loosened.
- Check security and surface condition of the disc.
- Pads should be changed when friction material is worn to 3/64"(1mm).(A)

Rear Brake

- The rear brake is a hydraulic disc type brake which is activated by the same pedal which activates the front brake system is self adjusting and requires no maintenance other than periodic checks of the pads for wear
- Pads should be changed when the friction material is worn to 3/64"(1mm).
- Inspect the brake disc and pad wear surface for excessive wear.

Checking the brake fluid level

Insufficient brake fluid may let air enter the brake system, possibly causing the brakes to become ineffective. Before riding, check that the brake fluid is above the minimum level mark and replenish if necessary. A low brake fluid level may indicate worn brake pads and/or brake system leakage. If the brake fluid level is low, be sure

to check the brake pads for wear and the brake system for leakage.

The brake fluid reservoir is located under the hood.

- When checking the fluid level, make sure the top of the brake fluid



12. MAINTENANCE

reservoir is level.

- Use only the recommended quality brake fluid. Otherwise, the rubber seals may deteriorate, causing leakage and poor braking performance.

Recommended brake fluid: DOT 3

- Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance.
- Be careful that water does not enter the brake fluid reservoir when refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock.
- Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately.
- Have an authorized dealer inspect the brake system if the brake fluid level goes down.

13. TROUBLESHOOTING

NOTE:

The following troubleshooting does not cover all the possible causes of trouble. It should be helpful, however, as a guide to troubleshooting. Refer to the relative procedure in this manual for inspection, adjustment and replacement of parts. Adjustment and replacement must be done by your dealer.

STARTING FAILURE

(Lights and Meter are working properly)

- Emergency power off switch fault or not open
- cable malfunction
- Motor controller malfunction
- Motor malfunction
- Accelerator pedal failure or no return
- Electronic gear shift fault

(Lights and Meter are not working)

- Main switch malfunction
- Burnt out, improper connection
- cable malfunction

POOR MEDIUM AND HIGH SPEED PERFORMANCE

- Accelerator pedal output signal is not accurate
- Battery power shortage or battery malfunction
- Motor malfunction
- Motor malfunction
- Motor controller malfunction

13. TROUBLESHOOTING

- Poor contact of electronic gear
- Parking handle not released

POOR CHARGING PERFORMANCE

- Charging indicator lamp malfunction
- Car charger malfunction
- Charging plug and socket malfunction
- Battery connection is not reliable
- Battery malfunction
- Gearbox malfunction

POOR BRAKING EFFECT

- Worn front hub bearing
- Worn brake pad
- Worn brake disc
- Air in brake fluid
- Leaking brake fluid
- Faulty master cylinder kit
- Faulty caliper seal kit
- Loose union bolt
- Broken brake hose
- Oily or greasy brake pad
- Oily or greasy brake disc

14. SPECIFICATION

Dimensions & Capacities			
L X W X H		2623X1440X2003 mm	
Seat height		470mm	
Wheel Base		1880mm	
Ground Clearance		260mm	
Battery		72V 140Ah	
Max Speed		53 km/h	
Range		75km	
Dry Weight		770 kg	
Load Capacity (Combined Rider& Payload)		300 kg	
Tow Capacity		200 kg	
Drive System			
Front Tire		25X8-12	
Rear Tire		25X10-12	
Tire Pressure(front)		138 kPa	
Tire Pressure(rear)		138 kPa	
Brake System			
Brake	Front Brake	Dual Hydraulic Disc	Front and rear unified
	Rear Brake		
	Operation	Foot	
Parking Brake		Mechanical Disc	
Suspension			
Front		McPherson Independent Suspension	
Rear		Dual A-ARM Independent Suspension	

14. SPECIFICATION

MOTOR	
Motor Type	PMSM
Rated-Pout	10kw 3880rpm
Max Torque	105N.m < 1000rpm
Max-Pout	18kw 2560rpm

Electrical Equipment		
Battery(for motor)		72V 100AH
Battery(for eps)		12V 20AH
Head light		12V LED 6W/9W x2
Brake/ Tail Light		12V LED 3W
Specified fuses	Main Fuse	200 A
	Accessory Socket Fuse	10.0 A
	Signaling/ Lighting System Fuse	25.0 A
	Backup Fuse (1)	10.0 A
	Backup Fuse (2)	25.0 A

15. WIRING DIAGRAM

Note	Colour
R	Red
D R	Dark Red
Br	Brown
L G	Light Green
W	White
P	Pink
P/B	Pink/Black
P/G	Pink/Green
P/W	Pink/White
G	Green
D G	Dark Green
G/Y	Green/Yellow
Y/W	Yellow/White
Y/B	Yellow/Black
Or	Orange
Bl/W	Blue/White
R/Bl	Red/Blue
B/Y	Black/Yellow
Bl	Blue
L Bl	Light Blue
Br/R	Brown/Red
Bl/Y	Blue/Yellow
Pu	Purple
G/W	Green/White
B/W	BLACK/White
Gr	Gray
Gr/W	Gray/White
Br/R	Brown/Red

