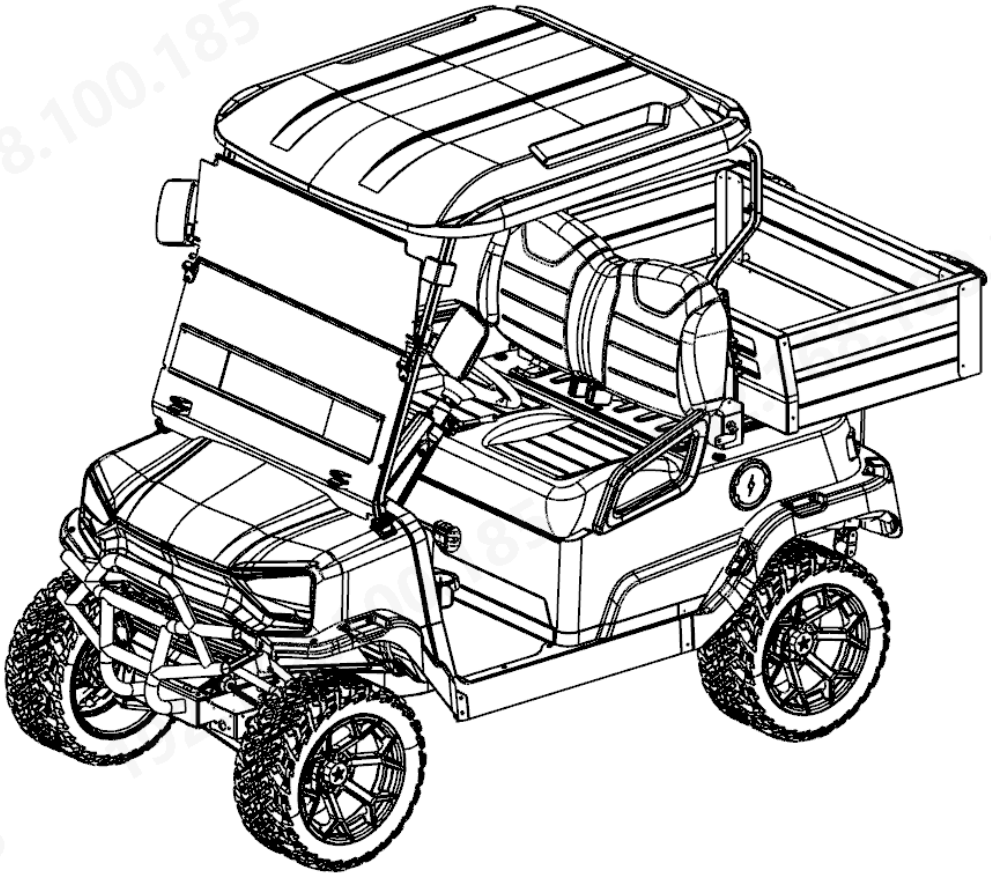
USER MANUAL

RACKA Utility Cart



THANK YOU!

Thank you for purchasing this Champion Motorsports Group product. The proper use and maintenance of the product are outlined in this instruction manual. Following these instructions will ensure your long-term safe and worry-free use of the vehicle.

The vehicle is designed to be used on flat, smooth, barrier-free roads. It can be used for country road driving. An adult is required to drive the vehicle. The vehicle should not be used on rough terrain.

Champion Motorsports Group shall not be liable for any errors in this manual or for any incidental or consequential damages resulting from the use of the materials in this manual. To ensure the accuracy of all information, revisions are made at the time of printing based on product improvements. We reserve the right to make corrections, product modifications and revisions at any time without prior notice. All trademarks are the property of Zhejiang Taotao Vehicles Co., Ltd. or their respective owners.

Before using your new cart for the first time, please read this user manual carefully. It includes important information about the cart’s operation, maintenance, storage and cooling system, which will help you make the most of the technical features it offers. Any updates made after the editorial deadline can be found in the appendix of the printed manual. Supplementary basic information is also available at your authorized dealer’s showroom.

FORWARD

Please read this entire manual to fully familiarize yourself with the cart. Information of particular importance is highlighted in this manual.

The use of parts not approved by the Original Equipment Manufacturer (OEM) will invalidate the warranty.

Tampering with or adjusting the transmission to allow the cart to operate outside the aforementioned factory specifications will void the cart's warranty.

Champion Motorsports Group / RACKA
Customer Service: 888-405-8725
Website: www.champmoto.com<http://www.champmoto.com/>
4120 E. Scyene Rd. Mesquite, TX 75181

CONTENT TABLE

Safety Information....1
- Important Safety Information....1
- Cart Safety Labels....2
- Battery Safety Information....3
- Lithium Battery Recycling....4

Cart Serial Number Location....5
- Cart Number....5
- Cart Features....6

Operation and Controls....9
- Pre-operation Safety and Performance Checks....9
- Cart Startup....13
- Drive Unit and Controls....14
- Combination Switches....14
- Charging Port....15
- Lighting Controls....15
- Seat Removal....16
- Cargo Hopper Lifting and Lowering....16
- Cargo Hopper Rear Door Opening....17
- Rear Storage Box Opening....17

Touchscreen Manual....18
- Touchscreen Function Button Introduction....18

Lithium Battery....19
- Lithium Battery Introduction....19
- Battery Charger....19
- Charger User Manual....21

Tires....24

Cart Service....25
- Lifting and Lowering the Cart....26
- Cart Scheduled Maintenance Chart....27
- Maintenance Information....28
- Cart Cleaning and Care....30
- Cart Storage....31
- Cart Transportation and Towing....32

Cart General Specifications....33

Maintenance Log....34

Warranty Information....35

SAFETY INFORMATION

• Observe all the precautions, warnings and danger notices contained in this manual. Please note that cart maintenance requires mechanical expertise and may involve potentially hazardous situations. Improper maintenance or repair may damage the cart or render it unsafe for operation.

• Replace any missing, damaged or illegible safety labels immediately to prevent potential property damage, personal injury or death. Purchase replacement safety decals from your dealer or distributor.

• Familiarize yourself with the laws and regulations governing cart operation in your region. If you have any questions regarding the materials contained in this manual, contact an authorized representative for clarification.

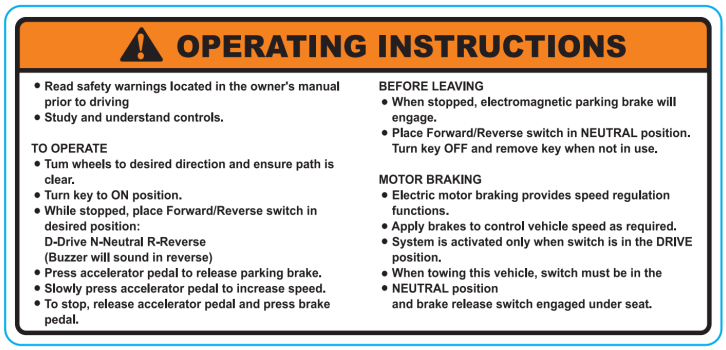
• The components of a life-saving safety system include:

1. Acceleration performance optimization, active safety technology advancement, cart structural redesign, compliance with cart safety standards, enforcement of traffic laws and post-crash survivability enhancement.
2. Safe carts play a critical role in avoiding collisions and reducing the likelihood of subsequent injuries.

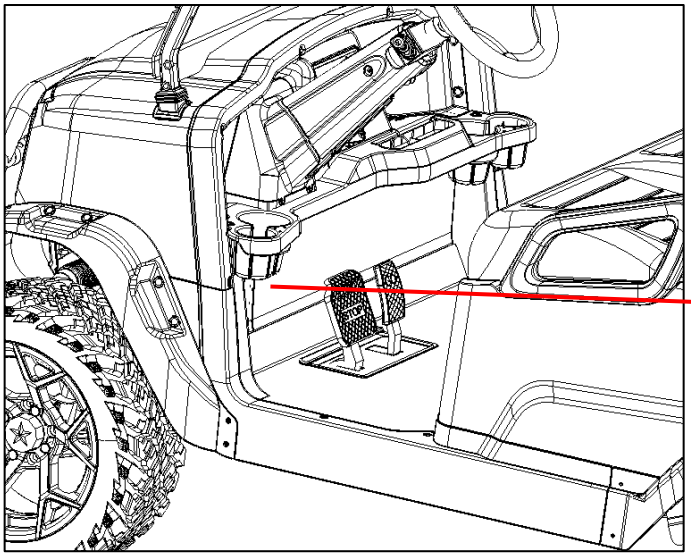
Important Safety Information	
	The safety alert symbol is used to warn you of potential personal injury hazards. Follow all safety regulations stated after this symbol to prevent possible injury or death.
DANGER	The DANGER label identifies hazardous situations that could result in death or personal injury.
WARNING	The WARNING label identifies hazardous situations that could result in death or user injury.
CAUTION	The CAUTION notice describes hazardous situations that could cause minor or slight injury.
NOTICE	The NOTICE label identifies situations that could cause property damage.

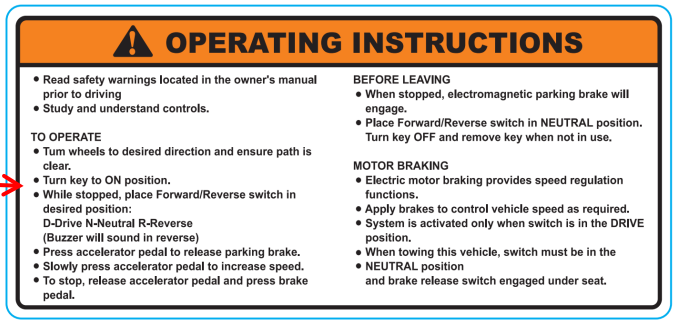
SAFETY INFORMATION

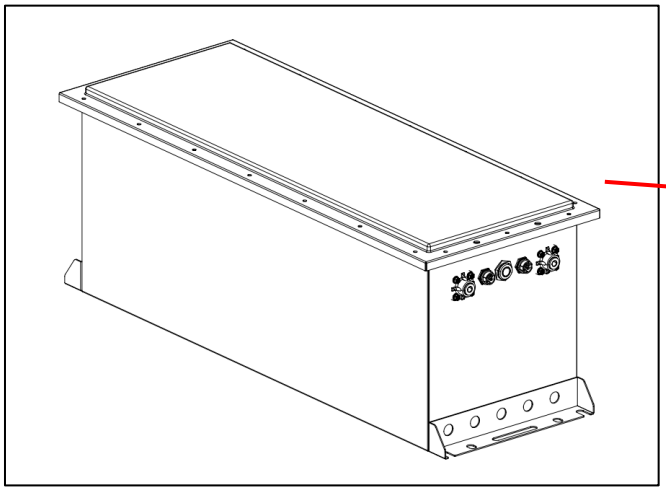
Before attempting any procedure, read all safety instructions carefully.

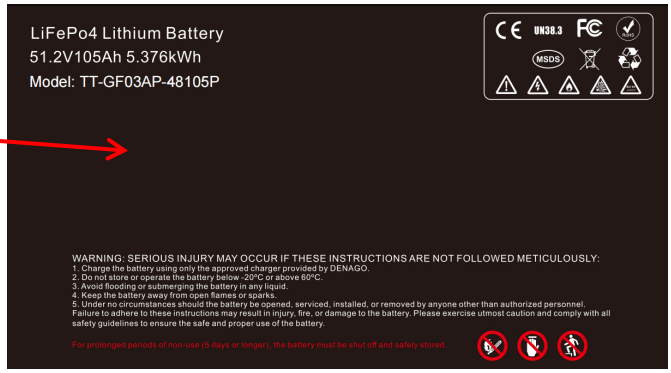


Operation Instructions Decal









SAFETY INFORMATION

Before attempting any procedure, read all safety instructions carefully.

Battery Safety Information

Safety and warning labels are affixed to the lithium battery for your protection. Please read and follow the instructions on the labels to avoid potential risks or injuries. If any of the labels shown below are damaged, defaced, or illegible, contact your dealer for replacement.

<table>
<tr><td colspan="2">

Battery Warning Decal</td></tr>
<tr><td></td><td>Do not dispose of it directly in the trash. It must be recycled through professional channels.</td></tr>
<tr><td></td><td>Dispose of this item through an approved recycling facility.</td></tr>
<tr><td></td><td>Do not open or disassemble the battery. The electrolyte is highly corrosive. If the battery casing is damaged, do not touch the exposed electrolyte or powder, as it is corrosive.</td></tr>
<tr><td></td><td>Risk of electric shock. Do not touch!</td></tr>
<tr><td></td><td>During use, keep the battery away from high temperatures or open flames to prevent fire!</td></tr>
<tr><td></td><td>If the lithium battery emits smoke, move away immediately, as it poses an explosion risk!</td></tr>
<tr><td>
</td><td>Keep the battery away from humid environments; do not expose it to water or immerse it in water!</td></tr>
<tr><td></td><td>Do not charge or use the battery in high-temperature environments, as high temperatures may cause a fire.</td></tr>
<tr><td></td><td>Do not touch electronic components without insulation protection.</td></tr>
<tr><td></td><td>Do not damage or step on the battery with force!</td></tr>
</table>

SAFETY INFORMATION

Before attempting any procedure, read all safety instructions carefully.

Lithium Battery Recycling



- Lithium-ion batteries are recyclable.
- Lithium-ion batteries must be collected and recycled separately.
- Do not dispose of lithium-ion batteries as municipal waste.
- Consult your dealer or distributor regarding the recycling of used or damaged battery packs.
- Contact your local environmental agency for disposal information.

⚠WARNING

• Improper operation of the cart (not following instructions) may result in collision, loss of control, or rollover, leading to serious injury or death.
• Follow all safety warnings and labels. All operators must read, understand, and comply with these warnings and labels before operating the cart.
• Follow the safety information and operating procedures described.

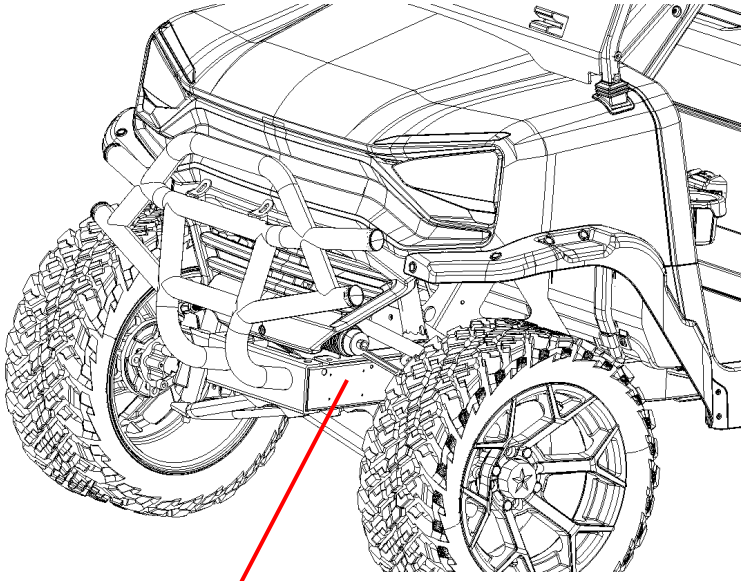
• Operate your cart responsibly to prevent hazardous situations for the operator, passengers, and others in the operating area.
• Operate your cart responsibly and maintain it in a safe operating condition.
• The operator must keep both hands on the steering wheel and both feet on the floor or pedals.
• Inspect the cart before each use to ensure it is in a safe operating condition.
• Perform the daily inspections described in this manual.
• If the cart is involved in an accident, ensure an authorized dealer inspects it.
• Remove the key when the cart is not in use to prevent accidental startup or unauthorized use.
• Drive the cart at a speed appropriate for the terrain and conditions; be aware of environmental factors that may change the terrain and your ability to control the cart.
• Do not operate on excessively steep slopes.
• Evaluate the terrain before descending; drive slowly and use the brakes deliberately to control speed and maintain control.
• Do not brake or steer suddenly.
• Operate only in approved areas and comply with all applicable safety rules for that area.

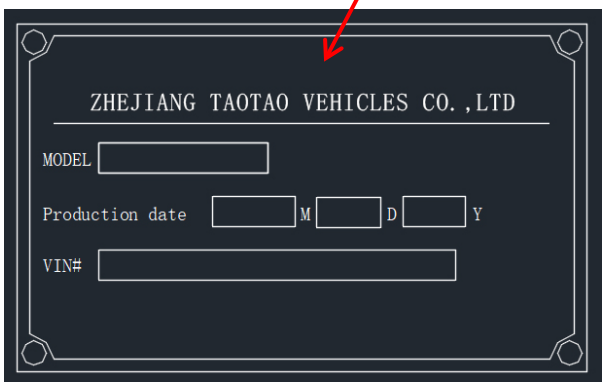
CART NUMBER

Familiarize yourself with the cart's functions before attempting any operation.

Cart Number

A serial number is located on the left side of the frame of every cart. All carts are documented accordingly. After the cart is sold from the factory, Champion Motorsports Group will track the cart using its serial number as the unique identifier. The serial number serves as the basis for the warranty provided by Champion Motorsports Group. Customers should be aware of the importance of the cart serial number.





☆L9Nxxxxxxxxxxxxx☆

VIN Serial Number

⚠CAUTION

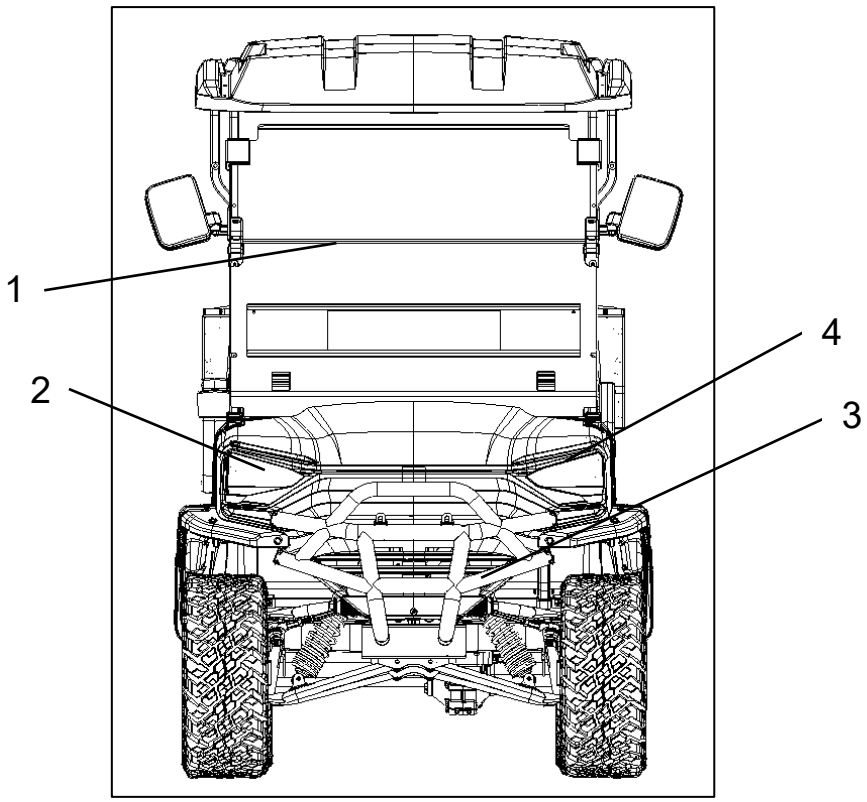
• Designs are subject to continuous changes. When delivering the cart with the corresponding correction components, it is mandatory to provide the correct serial number and cart model.

• The warranty certificate may become invalid due to the absence of the serial number.

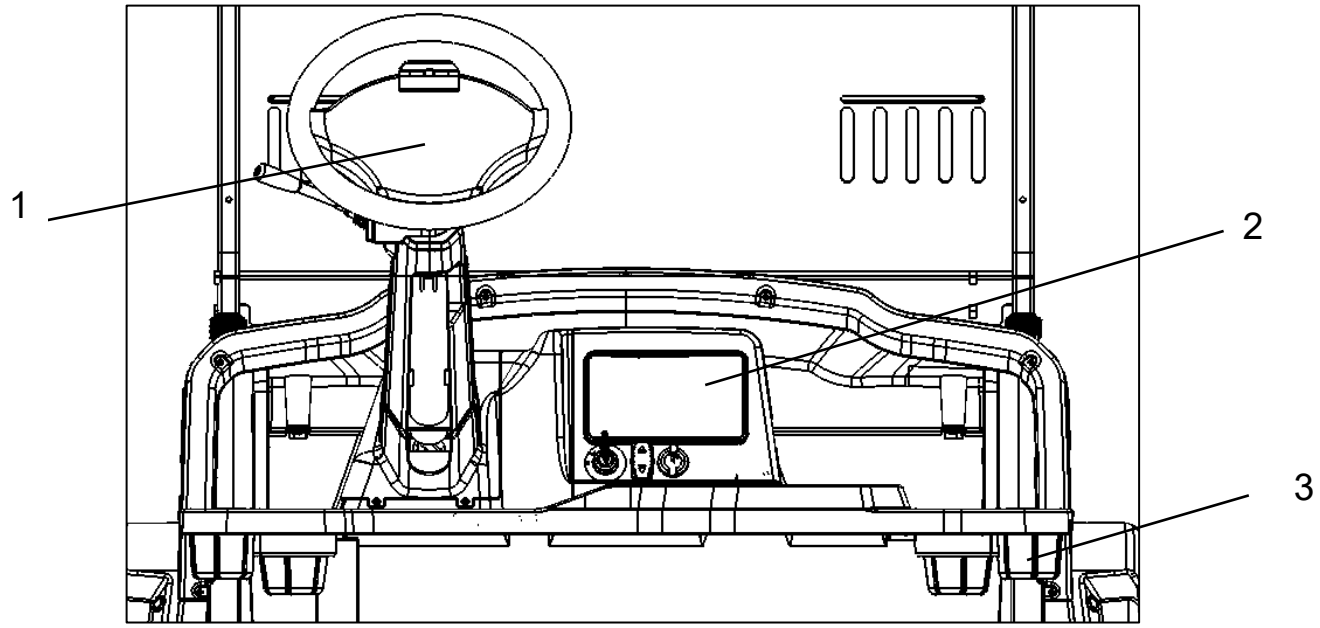
• Please contact your dealer, provide sufficient warranty purchase documents, and obtain a new serial number as soon as possible.

CART FEATURES

Familiarize yourself with the cart's functions before attempting any operation.



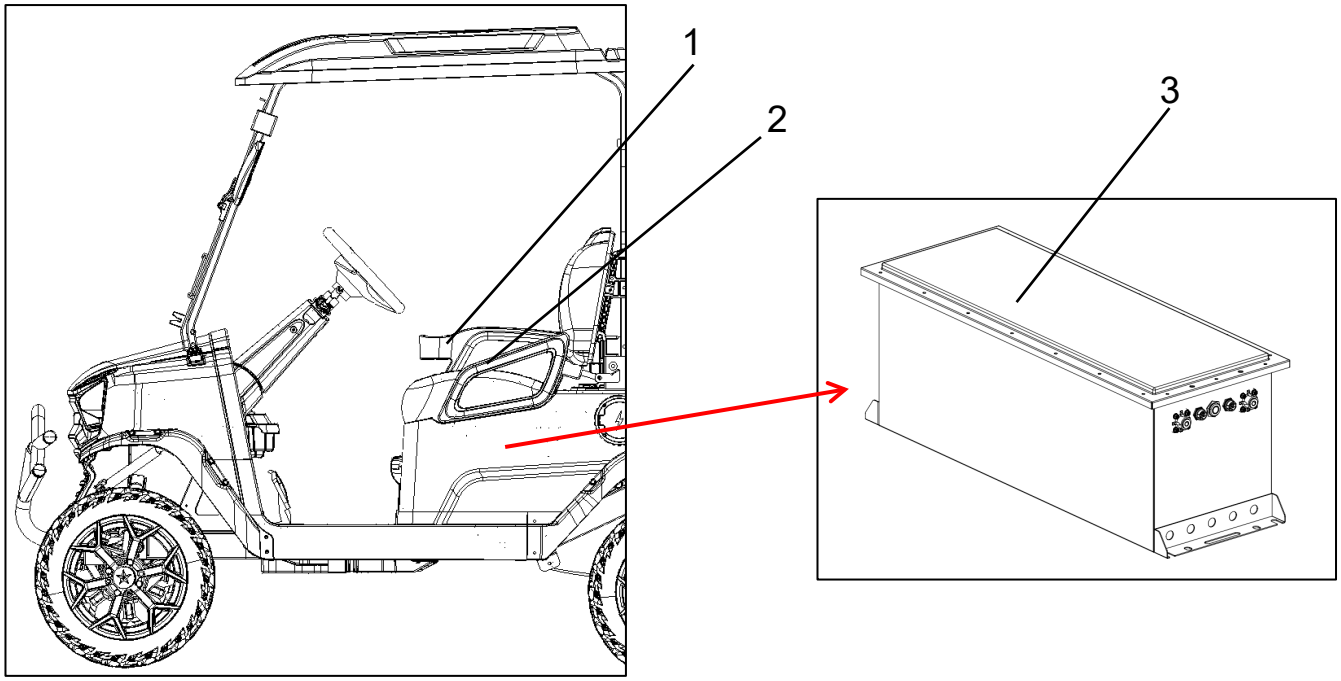
1. Foldable Windshield 2. Headlight 3. Front Bumper 4. Running Light



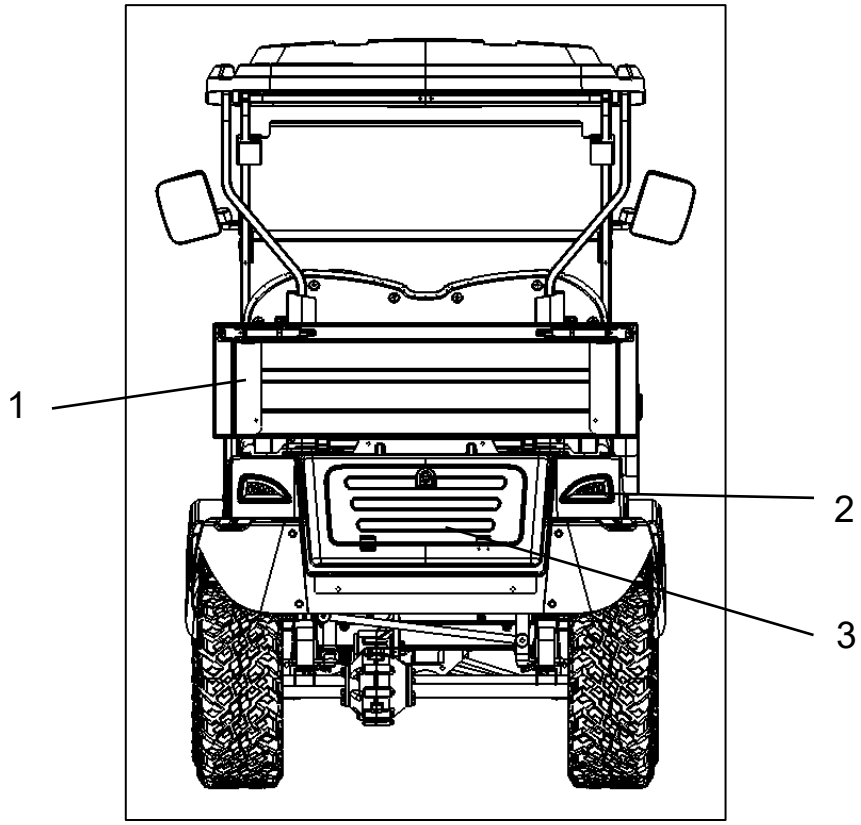
1. Steering Wheel 2. Instrument Panel 3. Cup Holder

CART FEATURES

Familiarize yourself with the cart's functions before attempting any operation.



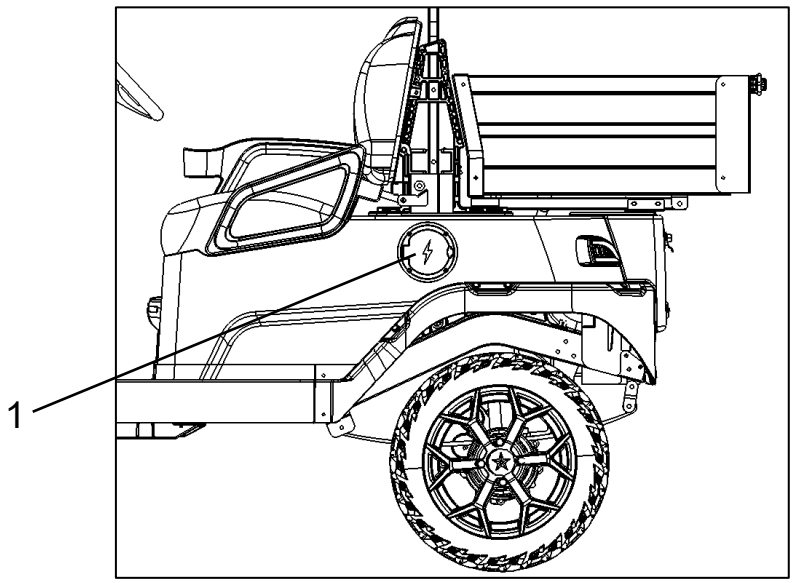
1. Front Seat Armrest (Right) 2. Front Seat Armrest (Left) 3. 105Ah Lithium Battery Pack



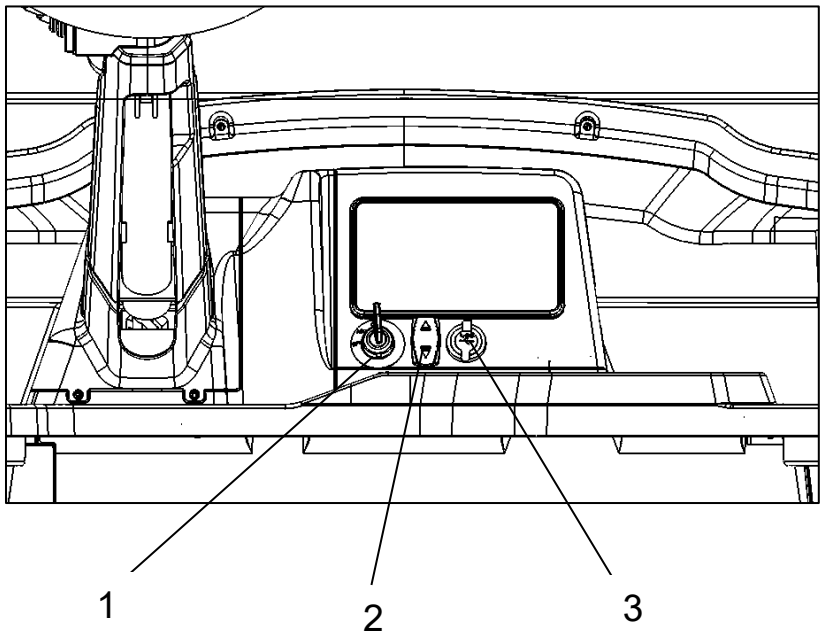
1. Cargo Hopper 2. Rear Taillight 3. Rear Storage Box

CART FEATURES

Familiarize yourself with the cart's functions before attempting any operation.



1. Charging Port



1. Ignition Lock Switch 2. Electric Actuator Lift Switch 3. USB Port

OPERATION AND CONTROLS

Familiarize yourself with the cart's functions before attempting any operation.

⚠ DANGER

- Operating the cart when occupants are not fully seated may result in personal injury or death.
- Start the cart only when all occupants are completely seated.
- Falling objects can cause property damage, serious personal injury, or death.
- Do not operate the cart in areas where there is a risk of falling objects.
- Do not hold passengers on your lap while the cart is in motion.
- Do not allow passengers to ride in the cart's cargo bed or trailer.

⚠ WARNING

- Stay away from drop-offs, steep slopes, and unstable surfaces.
- Sudden starts, stops, and turns can cause property damage and serious personal injury.
- Avoid sudden starts, stops, and turns.
- Properly maintaining the cart and performing necessary repairs in case of malfunction can reduce the risk of cart performance issues, safety hazards such as fire, property damage, serious personal injury, or death.
- If issues are identified during regular inspections or maintenance, operate the cart only after repairs are completed.
- Ensure all passengers understand the cart's safe operation guidelines. To prevent serious personal injury, remain seated at all times while the cart is in motion.
- This cart is not designed for use by individuals with disabilities.
- Before operating the cart, ensure all personnel comply with the warning information and operating instructions.
- Improper operation of the cart can lead to reduced cart performance, property damage, serious personal injury, or death.
- To prevent falls from the cart, passengers should remain seated while the cart is in motion and always hold onto the handrails.
- The operator must keep both hands on the steering wheel while the cart is in motion.
- Sharp turns at high speeds can cause rollover, collision, property damage, and serious personal injury. Operate the cart slowly when turning.
- Unattended operation of the cart may result in serious personal injury or death.
- Disable the cart before leaving it unattended or during maintenance.
- This cart is not designed to be compatible with child safety seats. Do not allow children who require child safety seats to ride in this cart.

⚠ CAUTION

- Operate the cart only from the driver's seat.
- Operate the cart only in designated areas.
- Only licensed and authorized drivers are permitted to operate the cart.
- Exercise caution when operating the cart in areas with high-speed traffic, adjacent zones, or unpaved surfaces.

OPERATION AND CONTROLS

Familiarize yourself with the cart's functions before attempting any operation.

Pre-Operation Safety and Performance Checks

Use the pre-operation checklist to inspect the cart's operating condition and performance. If the cart is found to be in poor operating condition, stop operation immediately to prevent further cart damage or serious personal injury. If the cart is in an inoperable state, contact your dealer for maintenance or repair services.

Pre-operation Checklist

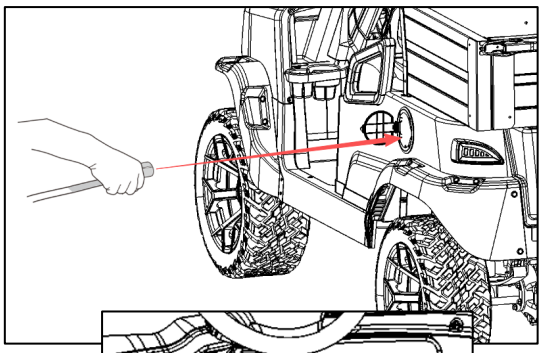
Inspection Item	Inspection Procedure
Battery	Ensure the battery is fully charged before operating the cart. Inspect and replace any damaged components.
Brake System	Check the brake pedal: it should operate smoothly and feel firm when pressed, and spring back to its original position when released.
Accelerator Pedal	Verify the accelerator pedal: it should fully and smoothly return to its original position when pressed and released.
Tires	Check tire pressure (target: ~20 psi). Inspect the tread for embedded objects; remove any debris. Ensure there are no cracks or other damage—defective tires may cause accidents during operation.
Steering System	Pull the steering wheel up and down to check for looseness. Turn it left and right to ensure there is no excessive play or abnormal noise.
Reverse Alarm	Test the reverse alarm: it should function properly when the gear switch is set to "R" (reverse gear).
Lights	Check that the signal lights, brake lights, and turn signals are operating normally.

OPERATION AND CONTROLS

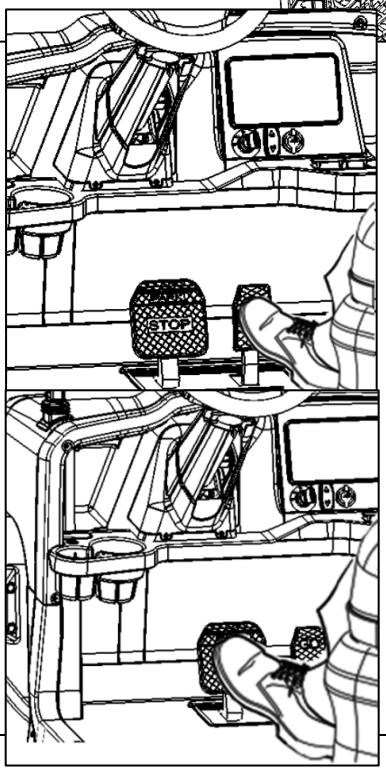
Familiarize yourself with the cart's functions before attempting any operation.

Pre-Operation Safety and Performance Checks

Ensure the battery is fully charged before operating the cart.

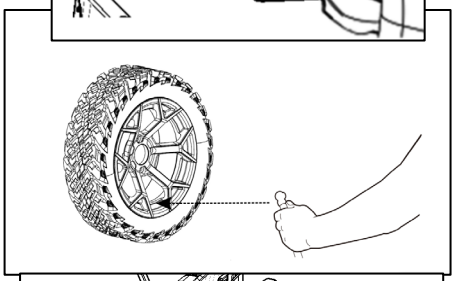


Verify the accelerator pedal: it should fully and smoothly return to its original position when pressed and released.

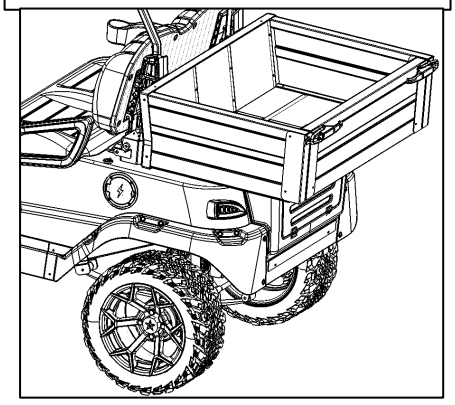


Check the brake pedal: it should operate smoothly and feel firm when pressed, and spring back to its original position when released.

Check the tire pressure, it should be set to 20 PSI (138 kPa).



Check that the signal lights, brake lights, and turn signals are operating normally.

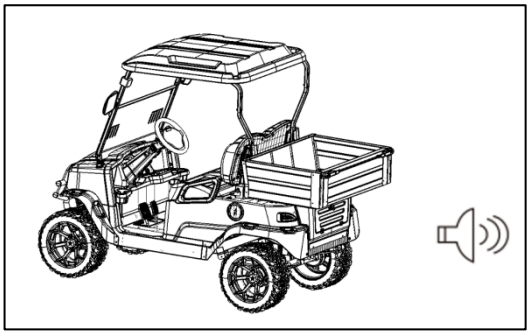


OPERATION AND CONTROLS

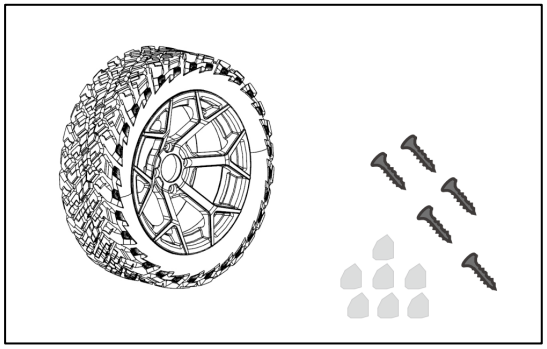
Familiarize yourself with the cart's functions before attempting any operation.

Pre-Operation Safety and Performance Checks

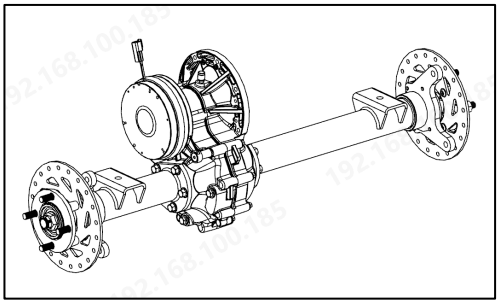
Test the reverse alarm: it should function properly when the gear switch is set to "R" (reverse gear).



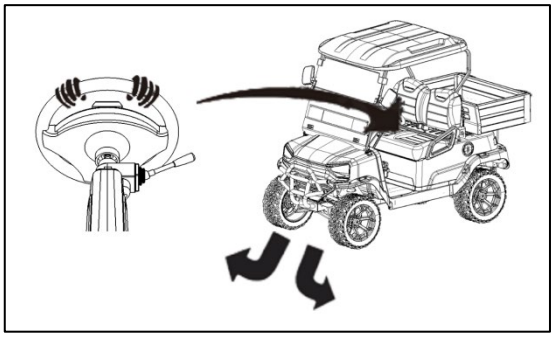
Inspect the tread for embedded objects; remove any debris. Ensure there are no cracks or other damage—defective tires may cause accidents during operation.



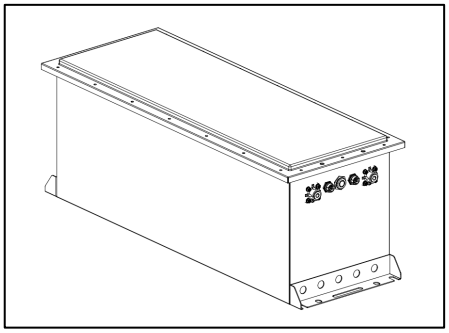
Check the rear axle lubricant level. Insert a clean dipstick into the rear axle until it reaches the bottom, then pull it out to check the oil depth. The lubricant capacity should be approximately 0.6 L.



Pull the steering wheel up and down to check for looseness. Turn it left and right to ensure there is no excessive play or abnormal noise.



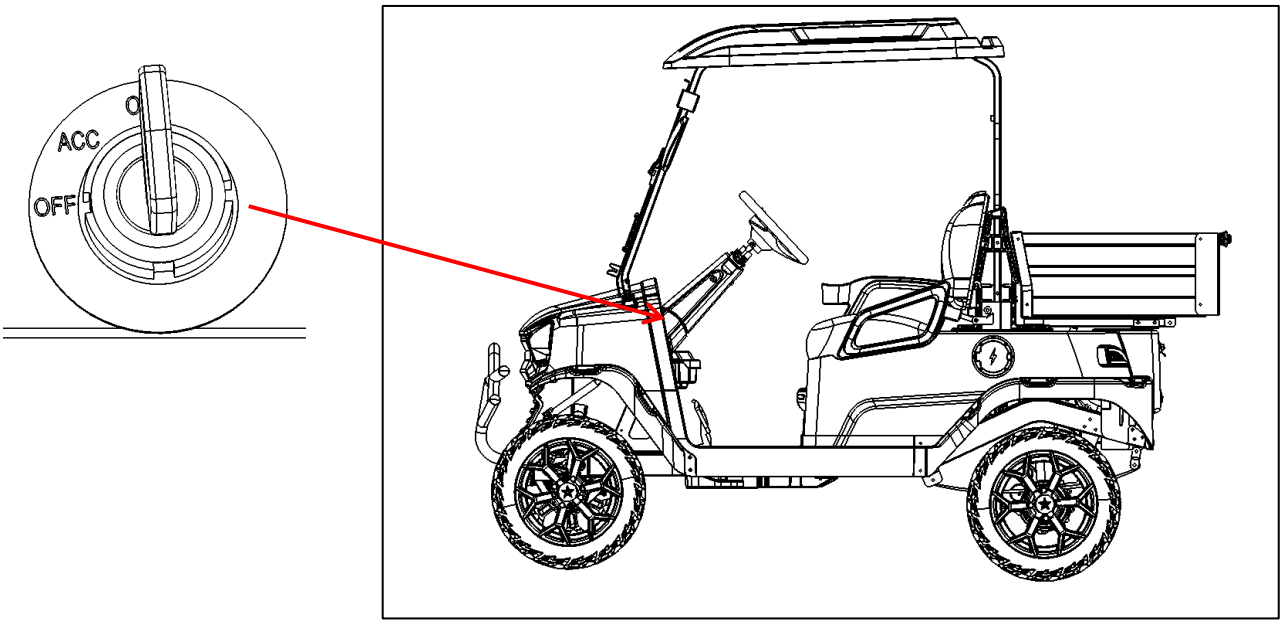
Check the tightness of the battery and ensure all nuts are securely fastened. Looseness of the battery may cause sudden cart shutdown during operation.



OPERATION AND CONTROLS

Familiarize yourself with the cart's functions before attempting any operation.

Cart Startup



The electric door lock switch has three positions:

• When the switch is in the ACC position, the DC converter activates and supplies 12V power, which can be used to power the headlights and USB ports.

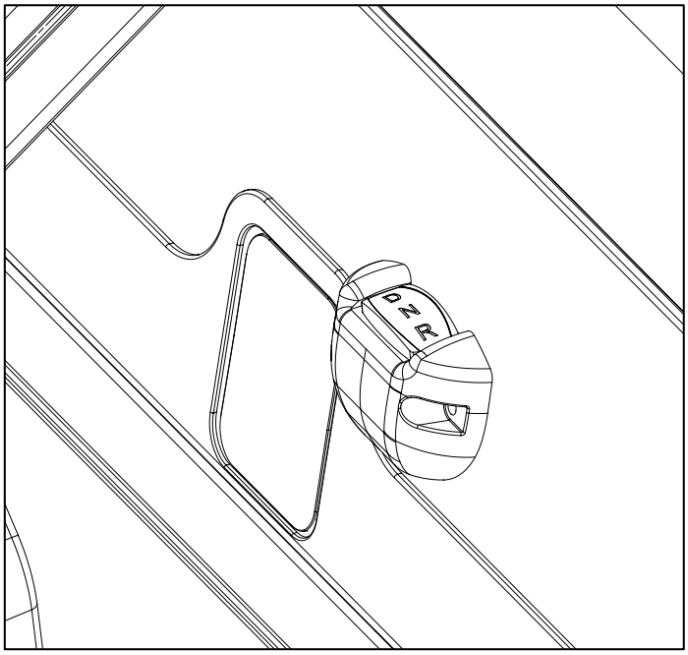
• For normal cart operation: Insert the key and rotate it clockwise to the ON position. The controller power will be connected, and the built-in contactor of the controller will close, allowing the cart to drive normally.

• To stop the cart: Rotate the switch to the OFF position and remove the key. This prevents unauthorized starting of the cart.

OPERATION AND CONTROLS

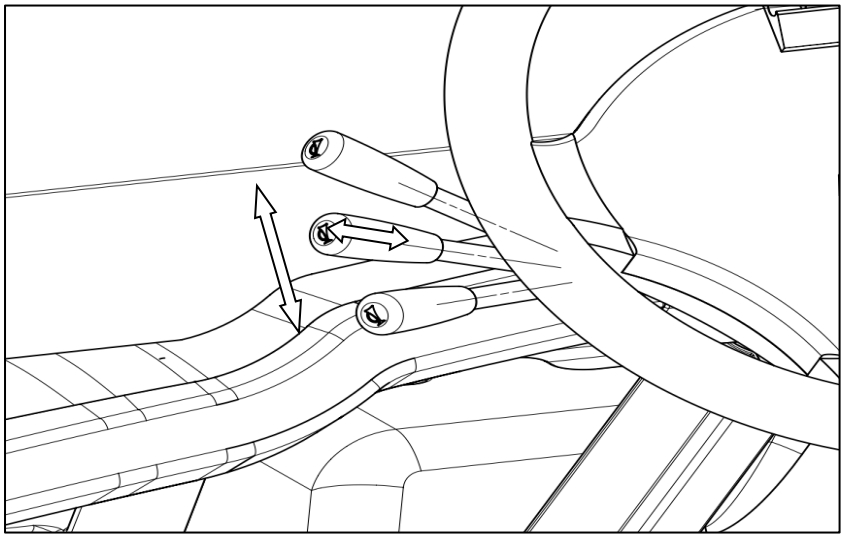
Familiarize yourself with the cart's functions before attempting any operation.

Drive Unit and Controls



- The cart adopts a D-N-R gear shifting mode.
- Under normal conditions, the gear is set to the neutral position "N".
- Push the shift switch toward the letter "D" to engage the drive gear.
- Push the shift switch toward the letter "R" to engage the reverse gear.

Combination Switches

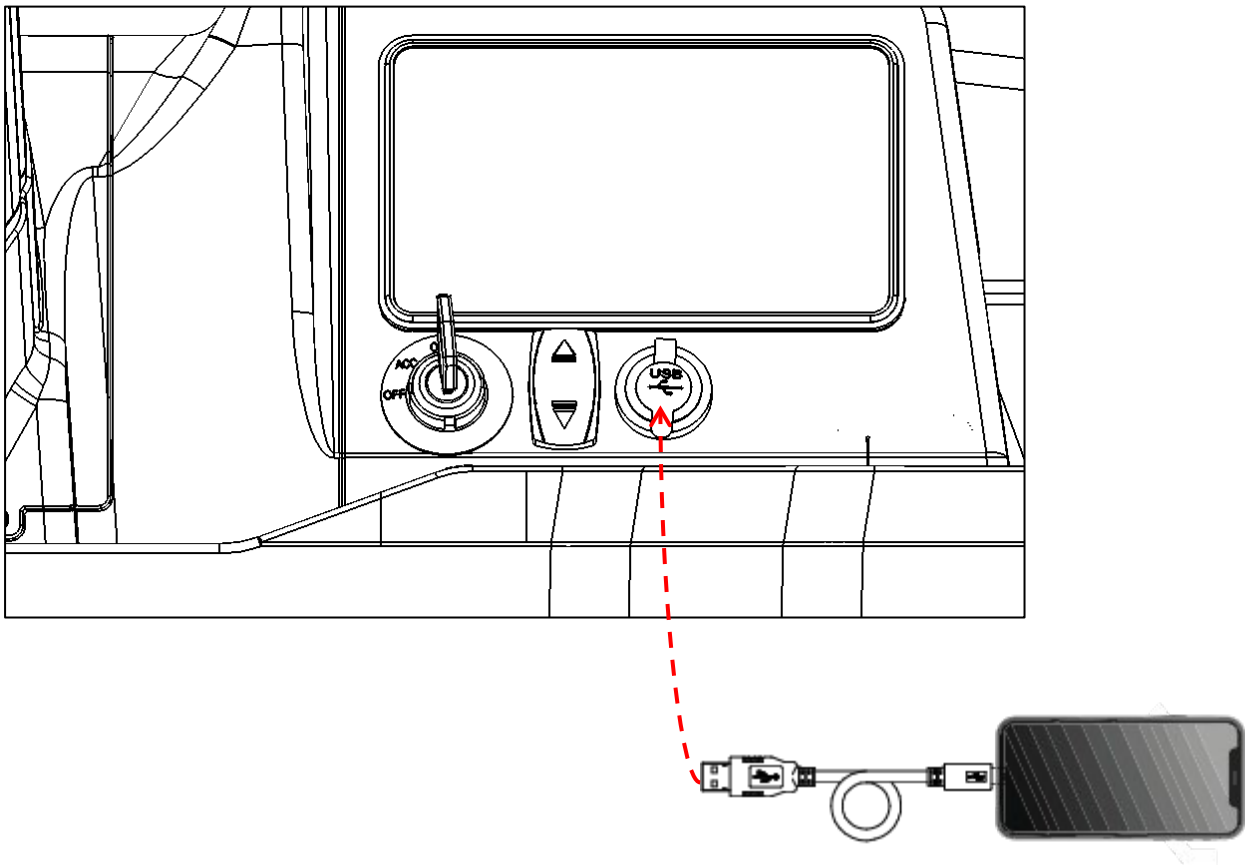


- Push the combination switch lever forward to activate the right turn signal.
- Pull the combination switch lever backward to activate the left turn signal.
- Lift the combination switch lever upward to turn off the strip spotlight.
- Press the rear end of the combination switch lever—marked with a small horn icon—inward to sound the driving horn. The lever will automatically reset and turn off the horn when released.

OPERATION AND CONTROLS

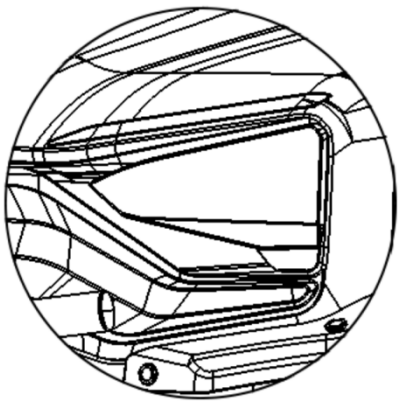
Familiarize yourself with the cart's functions before attempting any operation.。

Charging Port

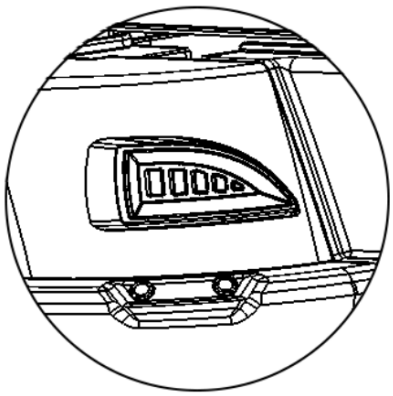


Use the USB charging port to charge your mobile phone.

Lighting Controls



Headlight

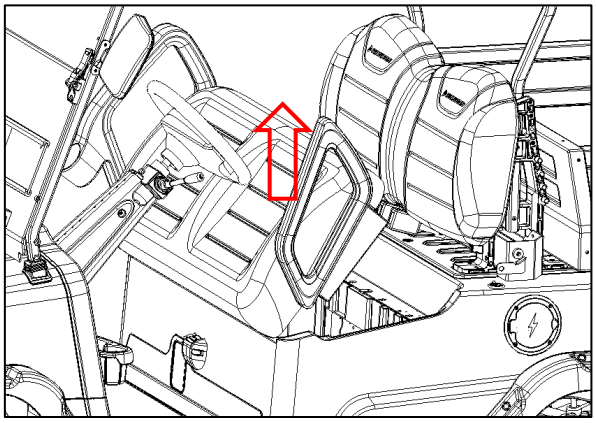


Taillight

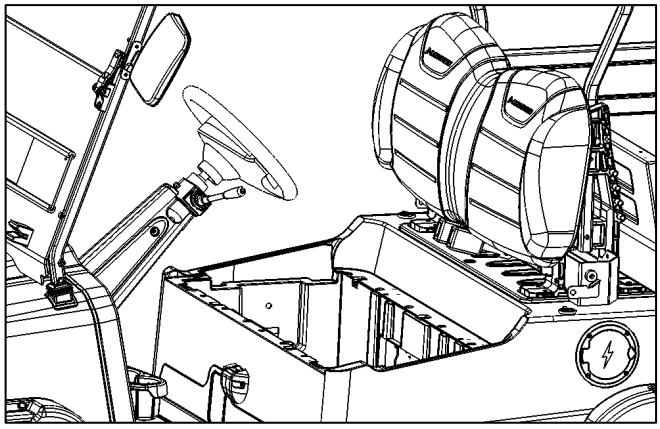
Familiarize yourself with the cart's functions before attempting any operation.

Seat Removal

①



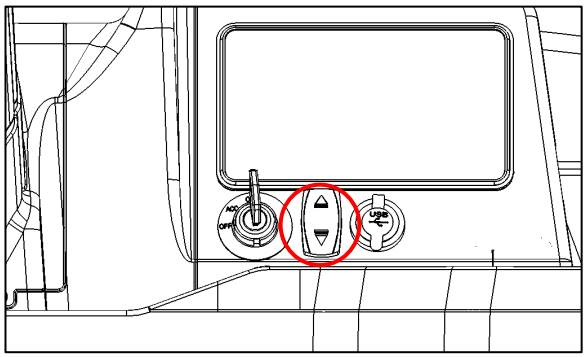
②

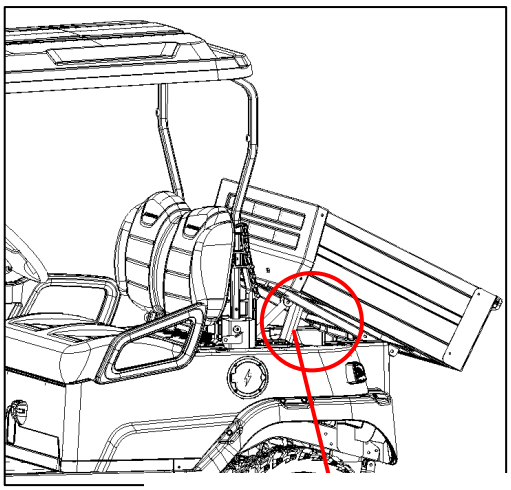


1. Pull up the armrests of the front left and right seats to lift the seats. Align the base slots of the driver's seat with the bottom of the seat, and disengage them from the seat cushion locking hooks on the central console;

2. Remove the seat.

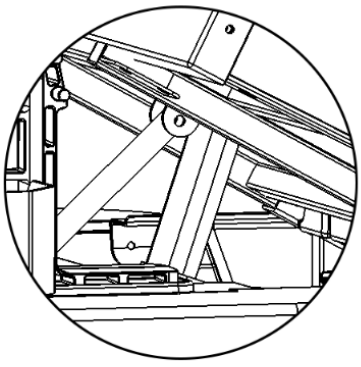
Cargo Hopper Lifting and Lowering





Cargo Hopper Lifting: Press the upper part of the electric push rod lift switch, and the cargo hopper will lift slowly.

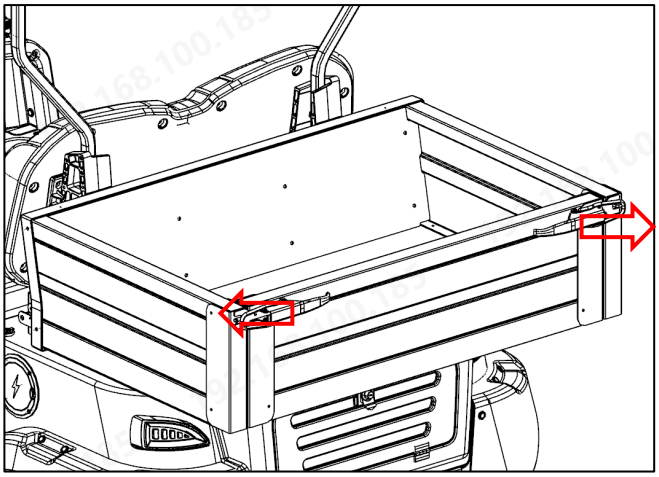
Cargo Hopper Lowering: Press the lower part of the electric push rod lift switch, and the cargo hopper will lower slowly.



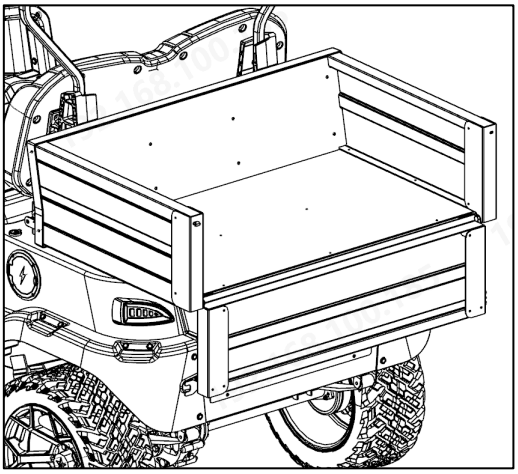
Familiarize yourself with the cart's functions before attempting any operation.

Cargo Hopper Rear Door Opening

①

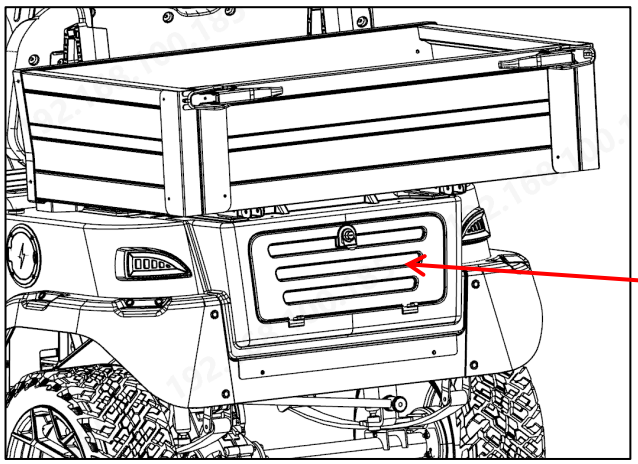


②



Pull up the cargo hopper latch to open the tailgate of the cargo hopper.

Rear Storage Box Opening



Operation Instructions for Opening the Rear Storage Box: Insert the key into the rear storage box lock and rotate it to open the box.

TOUCHSCREEN MANUAL

Familiarize yourself with the cart's functions before attempting any operation.

Touchscreen Function Button Introduction



1）When the high beam is turned on, the icon on the TFT display lights up, otherwise, it goes off.

2）Low Beam On/Off: Touch the button to turn on the low beam. Touch the button again to turn off the low beam.

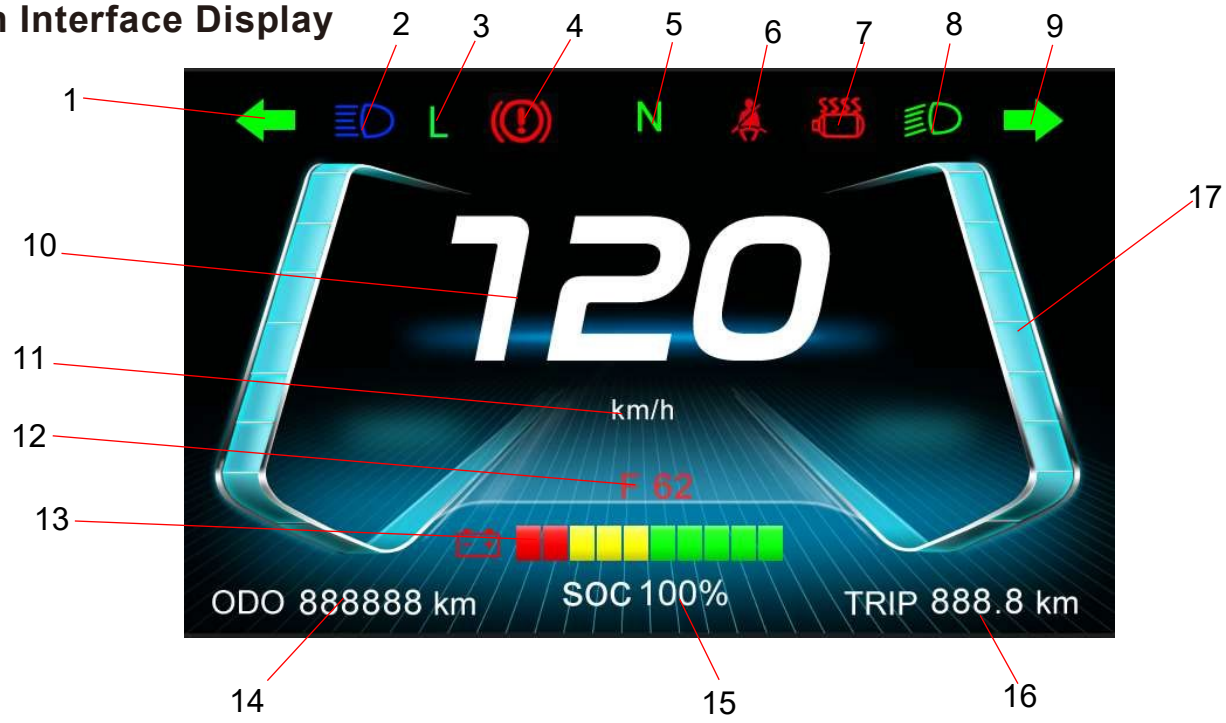
When the low beam is on, the icon on the TFT display lights up, and the instrument outputs +12V current (≤10A); when turned off, the display goes out and the relay output is cut off.

3）Emergency Indicator Light On/Off: Touch the button to turn on the emergency hazard lights; the left and right turn signal icons on the TFT display will flash at a 250ms frequency. Touch the button again to turn off the emergency hazard lights. When the hazard light function is enabled, the instrument controls the output/interruption of +12V (≤3A) drive current at a 250ms frequency.

4）Clear Current Trip Mileage: Press and hold the button for more than 3 seconds to reset the trip mileage.

5）Unit Switch (Mile/Kilometer): Touch the button twice continuously within 1 second to switch the unit from MPH to KM/H. Touch it twice continuously again to revert to MPH.

Main Interface Display

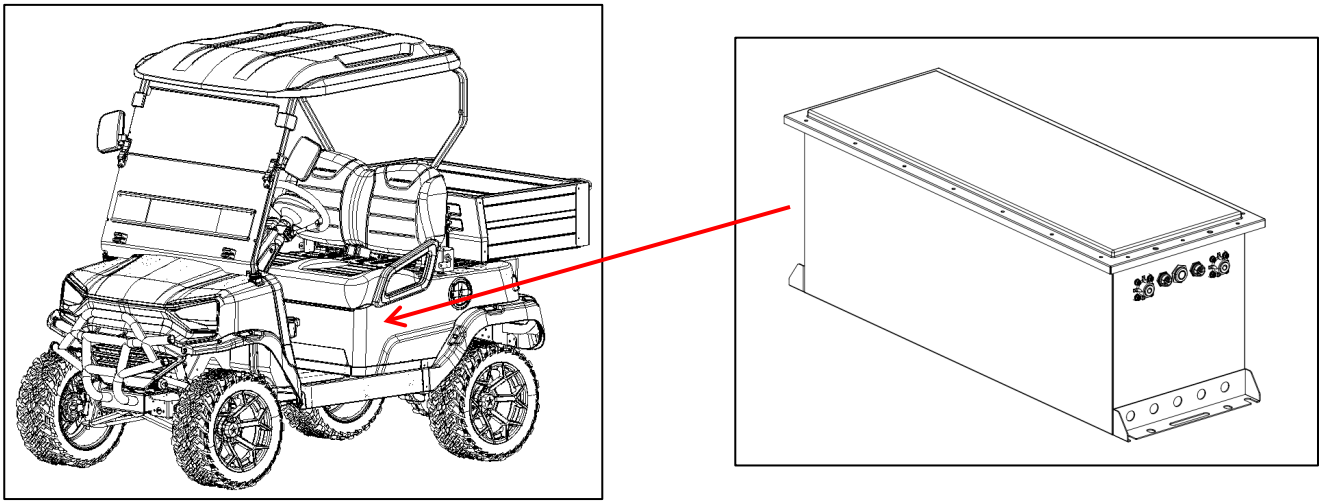


1.Left turn signal 2. High beam 3.High/low speed mode 4.Electromagnetic brake 5.Current gear 6.Seat belt reminder 7.Motor over-temperature alert 8.Low beam 9.Right turn signal 10.Cart speed 11.Speed unit (MPH/KMH) 12.Fault code 13.Battery level display 14.total mileage 15.SOC percentage 16.partial mileage 17.Left/right dynamic display of motor power

BATTERY CHARGER

Familiarize yourself with the cart's functions before attempting any operation.

Lithium Battery



Lithium iron phosphate battery ($LiFePO_4$ or LFP) is the safest type of main lithium battery. The nominal voltage of an LFP battery is 3.2V. A 48V LFP battery is composed of 16 batteries connected in series.

LFP is a chemical choice well-suited for demanding applications. Its key features include:

- Robustness, it can operate in long-term over-discharge mode.
- High round-trip efficiency.
- High energy density: Larger capacity with smaller weight and volume.
- High charge-discharge current: Fast charging and discharging are feasible.
- Flexible charging voltage.

Battery Charger

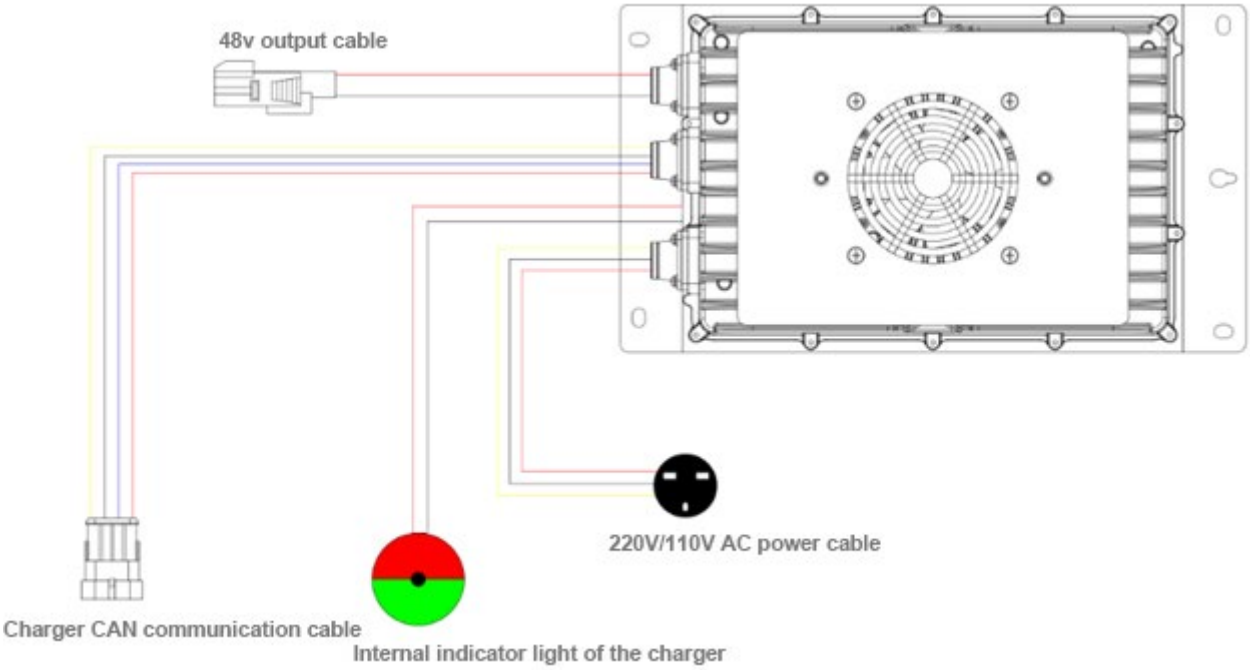
⚠ WARNING

- Incorrect connection of the AC power cord may lead to fire or electric shock.
- Do not use an adapter to connect the AC power cord to a two-prong socket.
- Incorrect connection of the AC power cord to the socket could result in fire, electric shock, property damage, severe personal injury, or death.
- Connect the AC power cord to an approved power source and socket.
- Do not expose the battery charger to moisture, keep it dry.

BATTERY CHARGER

Familiarize yourself with the cart's functions before attempting any operation.

Charger Specifications



CH02U0-4825 Battery Charger

Input Characteristics			
Input AC Voltage	100-240	Vac	Single-phase 3-core
Input AC Frequency	45-60	Hz	
Max Input Current	20	A	
Power Factor	≥0.98		Full load
Output Characteristics			
Rated Output Voltage	48	V	
Max Output Voltage	64	V	
Output Voltage Accuracy	±1	V	
Rated Output Current	35	A	
Output Current Accuracy	±0.5	A	
Max Efficiency	≥85	%	
Protection Characteristics			
Input Undervoltage	100	Vac	Shutdown
Input Overvoltage	240	Vac	Shutdown
Output Overvoltage	72	V	Shutdown
Output Undervoltage	0	V	Shutdown
Output Short Circuit	yes		Shutdown
Over-temperature Protection	85	℃	Power limitation
Communication Function	CAN		Optional

Electrical Safety Characteristics			
Dielectric Strength	OBC Input - OBC Output	≤20mA@2000Vac / 1min	No breakdown or arcing. (Tested with machine input shorted; machine output shorted)
	OBC Input - Ground Wire		
	OBC Output - Ground Wire	≤20mA@2000Vdc / 1min	
Insulation Resistance	OBC Input - OBC Output	≥20MΩ@1000Vdc	No breakdown or arcing. (Tested with machine input shorted; machine output shorted)
	OBC Input - Ground Wire		
	OBC Output - Ground Wire		
Grounding Resistance		<0.1Ω	
Surge Protection		AC input terminal withstands ≥5kA, 8/20μs impulse current (5 positive and 5 negative cycles, 1-minute interval between cycles)	

BATTERY CHARGER

Familiarize yourself with the cart's functions before attempting any operation.

How to Use the Battery Charger

⚠WARNING

To reduce the risk of electric shock, do not leave the charger plug connected when not in use. The AC power cord is equipped with a grounding pin; do not move, cut or bend this grounding pin.

1.Inspect the charger's power cord: Check the AC power cord and cable for damage. Replace the AC power cord if it is cracked.

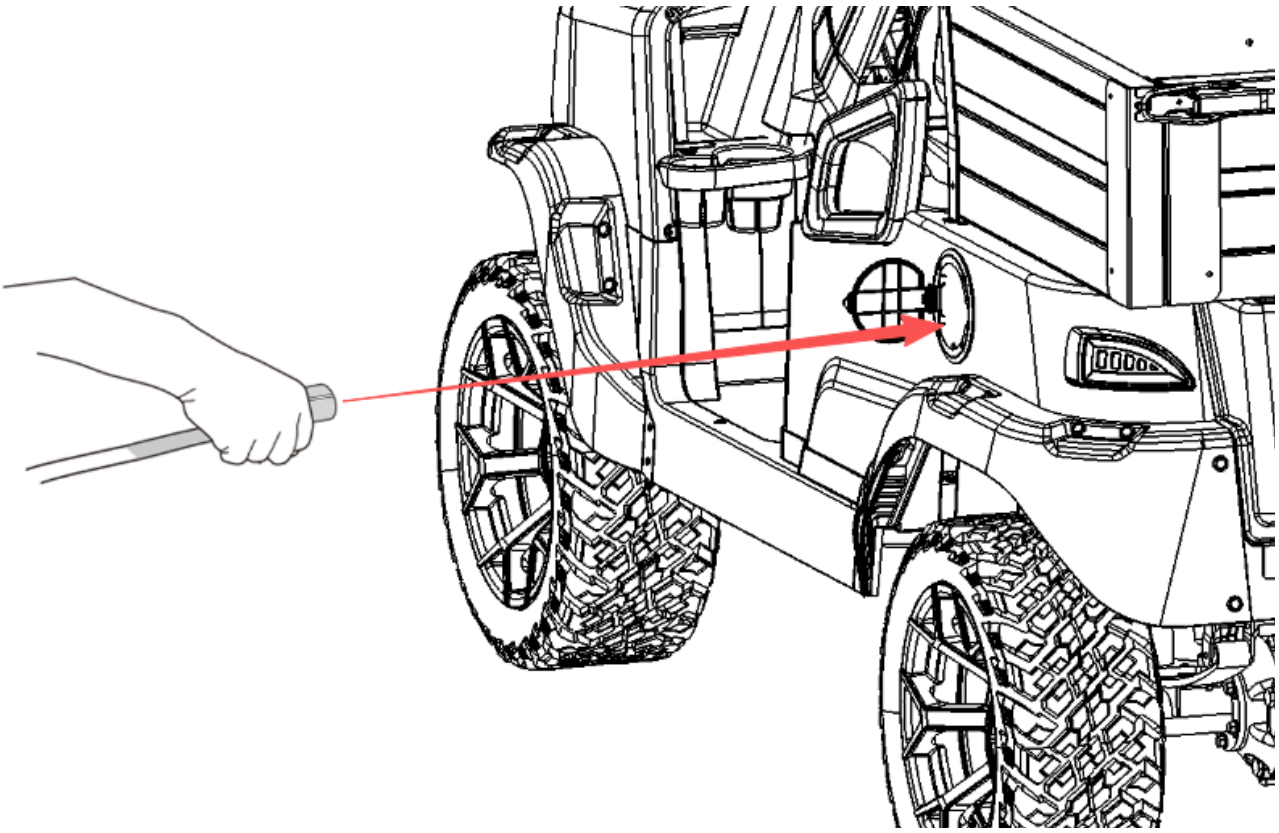
2.Fully insert the AC charging handle into the cart socket.

3.Fully plug the AC power cord into a grounded power source.

4.After inserting the AC power cord, the charger will start automatically within a few seconds.

5.The charger will stop operating automatically once the battery is fully charged.

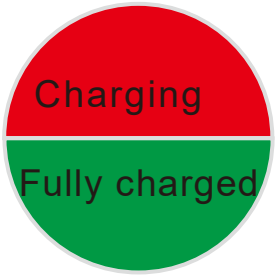
6.Unplug the AC charging cable before operating the cart.



BATTERY CHARGER

Familiarize yourself with the cart's functions before attempting any operation.

Charger LED Display



LED Light	Indication
Blinking red LED light	Charging
Solid green light	Charging completed
Blinking sequence of red, green and yellow lights	Refer to the troubleshooting table

LED Error Code

Internal Indicator Light			
Internal Fault Light Rules: Cycle starts with red-on, ends with yellow-off. 2s between cycles; 1s between color blinks.			
Fault Type	**Red**	**Green**	**Yellow**
PFC Fault	**1**	**1**	**1**
Output Overcurrent	**1**	**1**	**2**
Output Overvoltage	**1**	**1**	**3**
Input Overcurrent	**1**	**2**	**1**
Battery Overvoltage	**1**	**2**	**2**
Battery Undervoltage	**1**	**2**	**3**
AC Overvoltage	**1**	**3**	**1**
AC Undervoltage	**1**	**3**	**2**
12V Overvoltage	**1**	**3**	**2**
12V Undervoltage	**2**	**1**	**1**
System Overheating	**2**	**1**	**2**
System Overcooling	**2**	**1**	**3**
Battery Overheating	**2**	**2**	**1**
Battery Overcooling	**2**	**2**	**2**
CPU Overheating	**2**	**2**	**3**
CPU Overcooling	**2**	**3**	**1**
CAN Communication Error	**2**	**3**	**2**
Pre-charge Fault	**2**	**3**	**3**
AC Current Error	**3**	**1**	**1**
Battery No-load	**3**	**1**	**2**
Hardware Output Overvoltage	**3**	**1**	**3**
Hardware Input Overcurrent	**3**	**2**	**1**
Reserved	**3**	**2**	**2**
Reserved	**3**	**2**	**3**
Reserved	**3**	**3**	**1**
Reserved	**3**	**3**	**2**
Reserved	**3**	**3**	**3**

BATTERY CHARGER

Familiarize yourself with the cart's functions before attempting any operation.

Charger Maintenance

WARNING

If the plug is bent, please contact your local dealer for replacement. Do not attempt to repair the power plug.

Check the Power Cord Before Use

Inspect the power cord for wear and damage before use. Replace the cord immediately if any of the following issues occur：

- Cracks
- Abrasion
- Worn wires
- Insulation damage
- Loose connections
- Splicing

Power Plug and Socket

Inspect the power plug for wear and damage before use. Replace the plug immediately if any of the following issues occur:

- Bent pins
- Corrosion
- Cracks
- Loose connections
- Missing pins

Clean the Charger Plug and Socket

- Disconnect the AC power cord.
- Disconnect the AC power cord from the battery charger.
- Disconnect the DC power cord from the battery charger.
- Apply electrical contact cleaner to the electrical plug and socket (refer to the manufacturer's instructions).
- Clean the plug and socket.
- Lightly lubricate the electrical plug and socket with WD-40®.

Familiarize yourself with the cart's functions before attempting any operation.

Tire

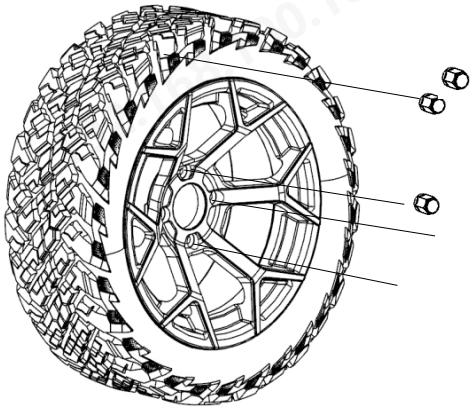
WARNING

- **Do not overinflate the tires. Excessive pressure may cause tire explosion.**
- **To reduce the risk of tire explosion, intermittently add a small amount of air to secure the tire joint. Tire overinflation can occur within seconds.**
- **Protect your face and eyes when removing the tire valve core.**
- **Only use sockets designed for impact wrenches to reduce the risk of injury caused by socket breakage.**
- **Do not use tires inflated beyond the recommended pressure.**
- **Always follow the crisscross sequence when installing lug nuts to ensure the wheel sits evenly on the hub.**

NOTICE

Tool List

Cam wrench，M19 1
Impact wrench 1
Impact socket，M19 1
Torque wrench 1

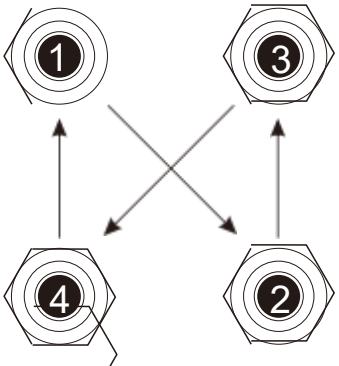


The general recommended tire inflation pressure is 20 psi, but the inflation pressure can vary based on specific terrain conditions.

All four tires must have the same pressure to ensure optimal handling performance. Be sure to replace the valve cap after inspection or inflation.

Use a tire plug to repair small holes in the threaded part of the tire. Replace the entire tire for large holes or cuts.

1. Install the valve stem on the outside of the wheel, then mount the wheel and tire onto the hub using lug nuts.
2. Tighten the lug nuts by hand as shown.
3. Torque the lug nuts to 50-85 ft-lbs.
4. Continue following the crisscross sequence until the correct torque is achieved.



Crisscross Sequence

CART SERVICE

Familiarize yourself with the cart's functions before attempting any operation.

Cart Service

⚠ WARNING

1. Only trained technicians shall perform cart maintenance or repair.
2. Even simple maintenance or servicing requires knowledge and experience in electrical and mechanical repair, and proper instruction manuals must be used.
3. Improper cart maintenance and failure to conduct necessary servicing during maintenance, repair or accessory installation may degrade cart performance, cause fire, property damage, severe personal injury or death.
4. If any issues are identified during routine inspection or servicing, the cart shall not be driven until repairs are completed.
5. Do not wear loose clothing or jewelry such as rings, watches and chains.
6. Lift only one end of the cart at a time when servicing the cart or battery charger.
7. Use suitable lifting equipment with a minimum capacity of 1015 lbs (460 kg).
8. Do not use lifting equipment to keep the cart in a raised position.
9. Support the cart with qualified jacks of appropriate weight rating and chock the wheels remaining on the floor.
10. Do not work on the cart powertrain while the cart is loaded.
11. Unintended cart operation may result in severe personal injury or death.
12. Turn off the cart when leaving it unattended or during cart servicing.
13. If wires are disconnected or replaced, ensure that the wires and wiring harnesses are correctly routed and connected.
14. Failure to correctly route and connect wires may lead to cart malfunction, property damage, severe personal injury or death.

⚠ CAUTION

When servicing the cart, wear safety glasses or approved eye protection. When working near the battery, wear rubber gloves.

CART SERVICE

Familiarize yourself with the cart's functions before attempting any operation.

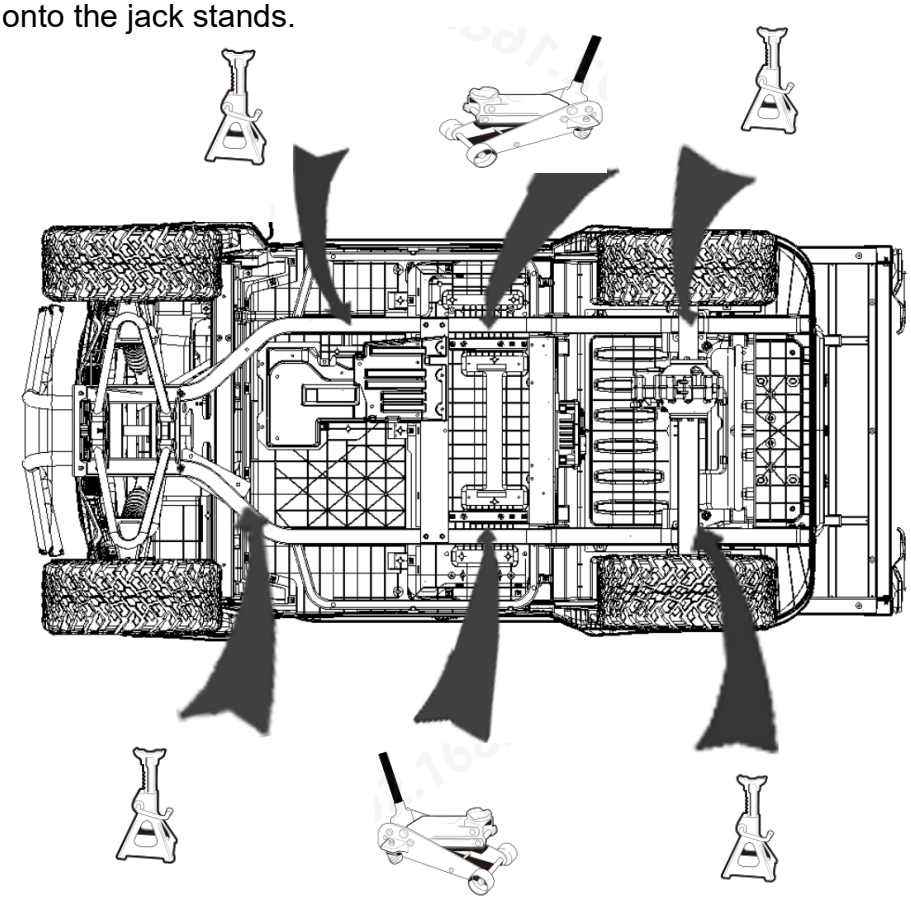
Lifting and Lowering the Cart

⚠ WARNING

1. Lifting or lowering a loaded cart may result in property damage, severe personal injury or death.
2. Before lifting the cart, remove all loads and clear all personnel from the cart.

Steps for Lifting the Cart:

1. Turn off the cart's key switch before lifting.
2. Select a jack and jack stands rated for the cart's capacity.
3. Engage the parking brake.
4. Position the jack at the center of the lifting point.
5. Lift the front and rear sections of the cart.
6. Place the jack stands under the frame rails.
7. Lower the cart onto the jack stands.



Steps for Lowering the Cart:

1. Turn off the cart's key switch before lowering.
2. Select a jack and jack stands rated for the cart's capacity.
3. Position the jack at the center of the lifting point.
4. Lift the cart slightly off the jack stands.
5. Remove the jack stands from under the frame rails.
6. Lower the cart to the ground gradually.
7. Remove the jack.

CART SERVICE

Familiarize yourself with the cart's functions before attempting any operation.

Cart Scheduled Maintenance Chart

Regular maintenance is required to ensure optimal performance and safe operation of electric carts, with corresponding operations to be completed as part of the maintenance process.						
1d, 1w, 1M, 1Q, 1Y						
Component	Maintenance Items	1D	1W	1M	1Q	1Y
Battery	1.Inspect for battery surface damage.		v			
	2.Charge the battery.	v				
	3.Tigten bolts on battery cables.	v				
	4.Secure bolts on battery terminals.		v			
	5.Check for battery over-discharge.	v				
	6.Inspect battery SOH (State of Health).		v			
	7.Verify full charge status.	v				
	8.Clean battery surface.		v			
Charger	9.Monitor charging status; check if charger plug overheats.	v				
	10.Clean charger surface (keep water out).		v			
Motor & Controller	11.Tighten all terminals (power off).			v		
	12.Clean controller surface.				v	
	13.Inspect solenoid & contact points.					v
	14.Check motor for water ingress.	v				
	15.Tighten all motor / controller connectors.		v			
	16.Verify accelerator pedal functionality.	v				
Chassis & Body	17. Check brake pedal stability & release.			v		
	18.Inspect brake drum/shoe for replacement need.				v	
	19. Test parking brake function.			v		
	20. Check brake fluid reservoir level.			v		
	21. Inspect tire pressure & surface.		v			
	22. Check shock absorber for leakage.			v		
	23. Tighten wheel bolts.			v		
	24. Check oil level in rear axle gear box.				v	
	25. Apply lubricant to front wheel hub and steering gear box.				v	
	26. Adjust front and rear suspension.				v	
	27. Clean cart body and seats.	v				

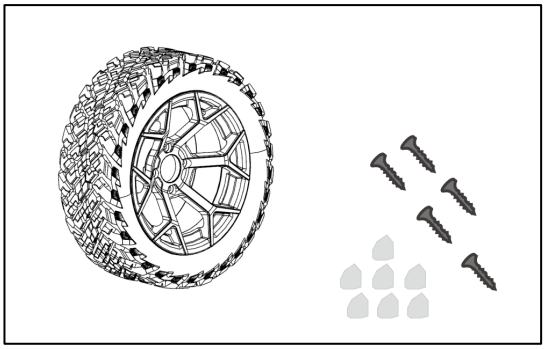
NOTICE

The maintenance service plan must be performed more frequently for carts subject to heavy usage or severe operating conditions.

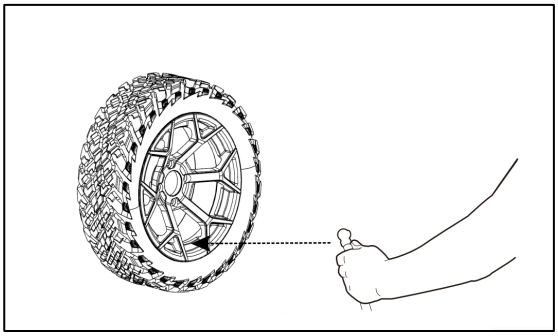
Familiarize yourself with the cart's functions before attempting any operation.

Undercarriage Maintenance

Inspect the tires before each use and remove any embedded debris or metal objects from the tire surface. Embedded objects on the tire surface may cause excessive tire noise or air leakage during driving.



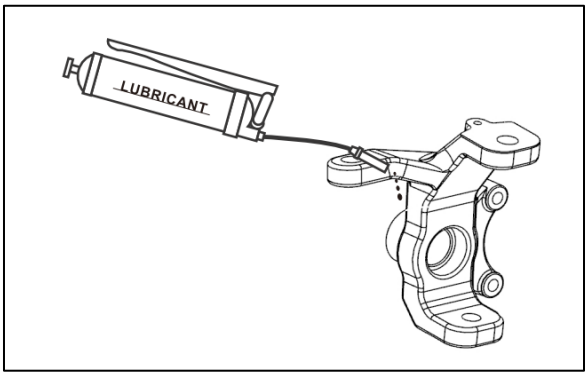
Inspect the tires before each cart use. Ensure the tires are properly inflated and the tire pressure is maintained at the standard level. Refer to the Tires chapter for more specific information on tire inflation.



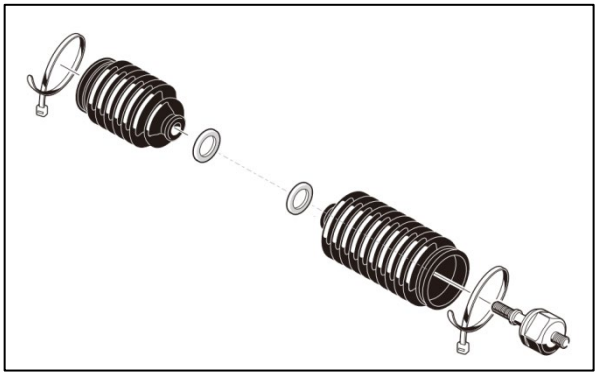
DANGER

Tire deflation may result in unstable steering control during cart operation.

Lubricate the mechanical articulation components of the cart to ensure smooth rotation and reliable operation performance. Lubricating oil shall be added to the required components monthly.

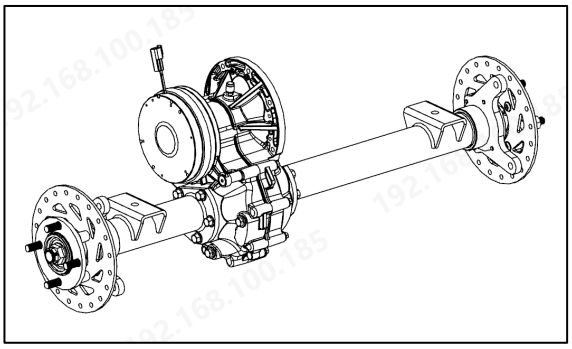


Inspect the dust cover on the steering gear box and ensure both ends of the cover are securely fastened. A loose dust cover will allow water and dust to enter the steering gear box, causing gear rust.



Familiarize yourself with the cart's functions before attempting any operation.

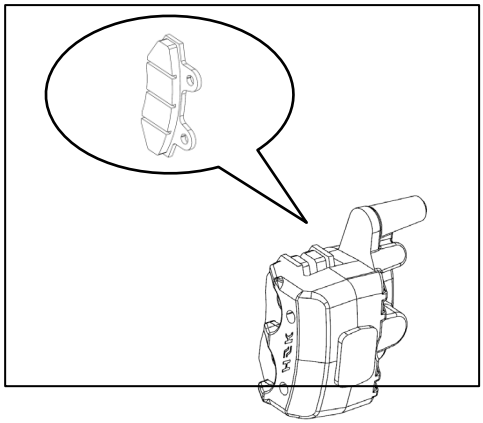
Check the gear oil capacity of the rear axle.



⚠ CAUTION

Insufficient gear oil capacity may cause rear axle gear damage or excessive noise.

Inspect the brake shoe wear condition; replace with new brake shoes if the wear is excessive (only 1/3 of the thickness remains).



⚠ DANGER

Do not operate a cart with faulty brakes.

CART SERVICE

Familiarize yourself with the cart’s functions before attempting any operation.

Cart service

WARNING

Moisture can cause damage to electrical components. Do not use a pressure washer or steam cleaner to clean the cart's electrical system; otherwise, it will result in permanent electrical failure.

Pre-cleaning Preparation:

1. Move the cart to a firm, level surface.
2. Engage the parking brake.
3. Set the Direction-Normal-Reverse (DNR) switch to Neutral (N) position.

Cleaning Specifications:

• For routine cleaning, only use commercially available automotive cleaners with a sponge or soft cloth. A garden hose with standard residential water pressure is sufficient for rinsing.

• To remove oxidation or discoloration from aluminum parts, use a commercially available aluminum cleaning paste and fine-grade (00-grade) steel wool.

• Use non-abrasive wax products for polishing. Fertilizer, asphalt, creosote, paint or chewing gum must be removed immediately to prevent potential staining.

• Proper cleaning can extend the service life of cart seats. Prepare a 10% solution of liquid soap and warm water, apply it with a soft cloth, and use a soft-bristled brush to remove embedded dirt.

• Clean the windshield with mild soapy water and a microfiber cloth to minimize scratches. Avoid using glass cleaners or paper towels, as these can increase the number of scratches on the windshield.

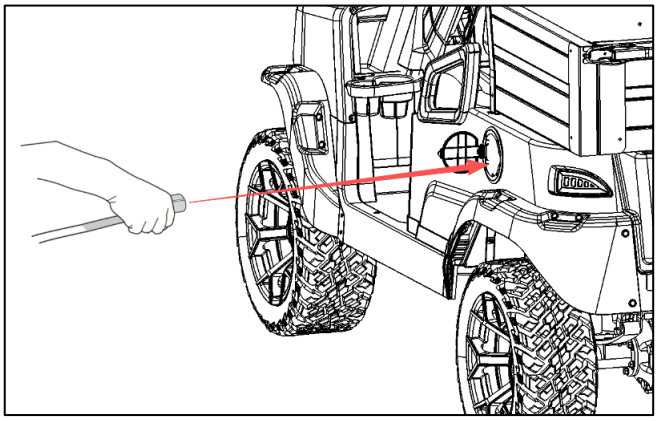
Familiarize yourself with the cart's functions before attempting any operation.

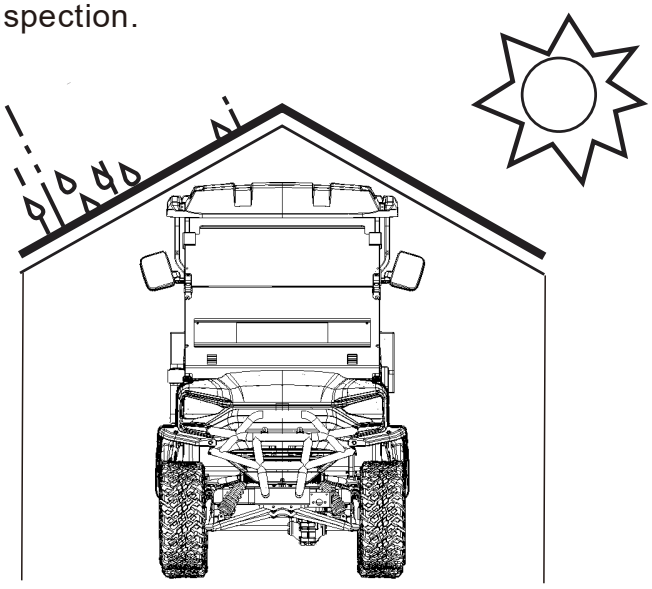
Pre-Storage Requirements

1. Park the utility cart in a cool, dry and well-ventilated area. The optimal storage temperature shall be maintained at 14°F to 95°F (-10°C to 35°C) and the maximum storage temperature shall not exceed 122°F (50°C).
2. Set the forward/reverse switch to the Neutral (N) position and turn off the cart power.
3. Turn off all accessory devices.
4. Clean the battery pack surface, top and terminals with a battery acid neutralizer (mix 1 cup of carbonated water with 1 gallon of water). Inspect, clean and treat the battery terminal connections with battery terminal protector spray.
5. Disconnect the battery to prevent cables from contacting the dashboard. Disconnect the 48V main power outlet cable on the battery pack and insulate the cable ends.
6. Reconnect the battery cables, then charge the battery to full capacity every 1–3 months to maintain its charge level and avoid damage caused by over-discharge.
7. Perform all semi-annual lubrication operations.
8. Thoroughly clean the front and rear body, seats, battery compartment and undercarriage of the cart.
9. Do not engage the parking brake but ensure the utility cart does not roll by securing the wheels with wheel chocks or similar tools.
10. Check the tire pressure and inflate the tires to the standard pressure level.

Returning the Cart to Service from Storage

1. Fully charge the battery.
2. Set the Direction-Normal-Reverse (DNR) controller to Neutral (N) position.
3. Adjust the pressure of each tire to the recommended tire pressure.
4. Have a trained technician lubricate the cart.
5. Perform a pre-operation safety check daily.
6. Conduct a comprehensive cart performance inspection.





CART SERVICE

Familiarize yourself with the cart's functions before attempting any operation.

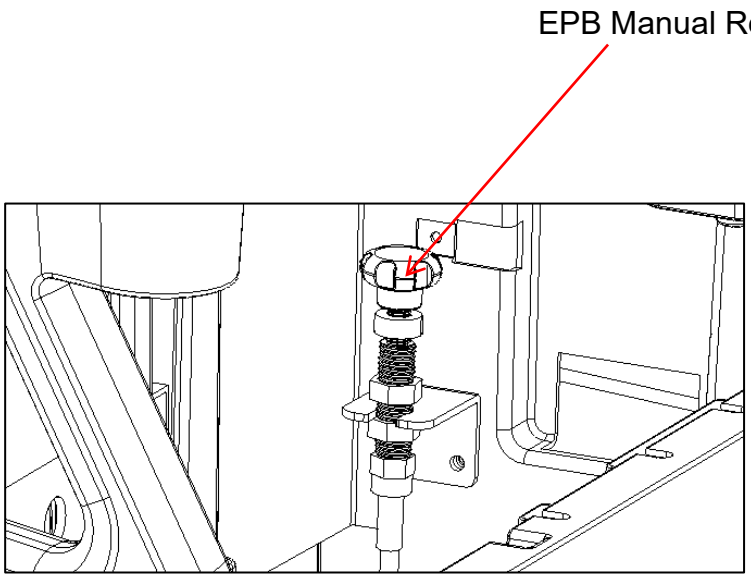
Cart Transportation and Towing

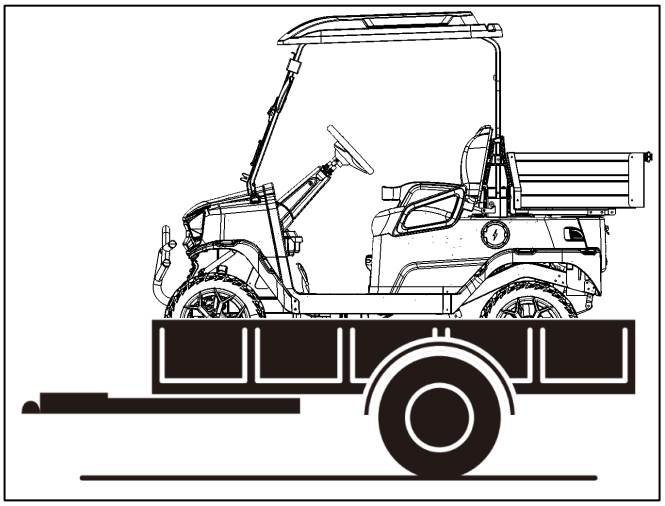
⚠WARNING

1. Do not ride or allow others to ride on a tailless cart or a cart being towed.
2. Do not ride on the utility cart while it is being towed. Apply the brakes to limit speed when making sharp turns.
3. When towing the utility cart over uneven terrain, apply the brakes to control speed. Turn on the hazard lights if the cart is equipped with them.
4. Before towing the utility cart, securely fasten the seats, fenders and other loose items.
5. Do not tow multiple utility carts in a series. Do not tow a utility cart on a highway.
6. Stop towing immediately if any abnormal conditions are detected.

The following steps will help you tow a utility cart safely without causing any damage.

When the cart breaks down and cannot run normally, please activate the EPB Manual Release Switch, after which the cart can be pushed. If it is necessary to transport the cart to a repair shop, use a flatbed trailer, securely fasten the cart to the trailer bed, keep all four wheels stationary, and transport the cart to the repair shop safely.

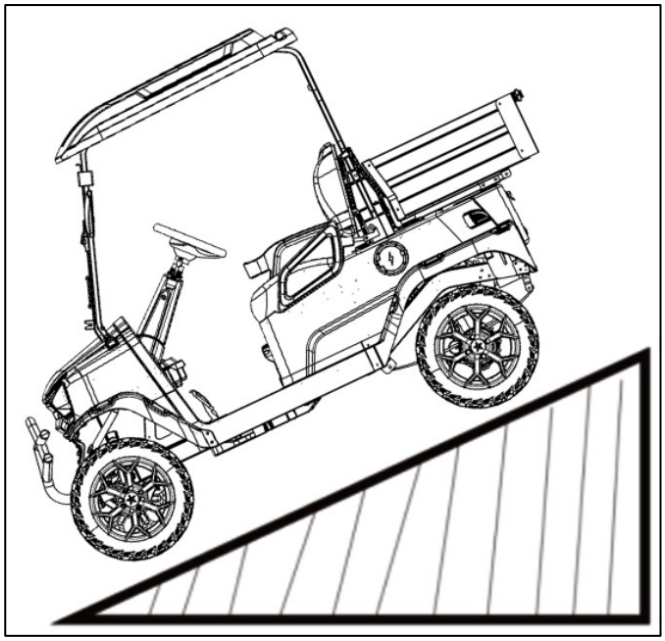




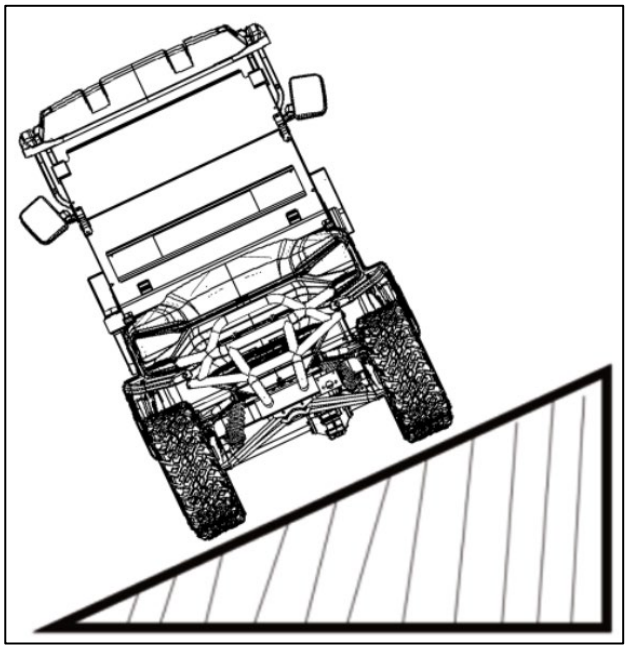
CART GENERAL SPECIFICATIONS

Familiarize yourself with the cart's functions before attempting any operation.

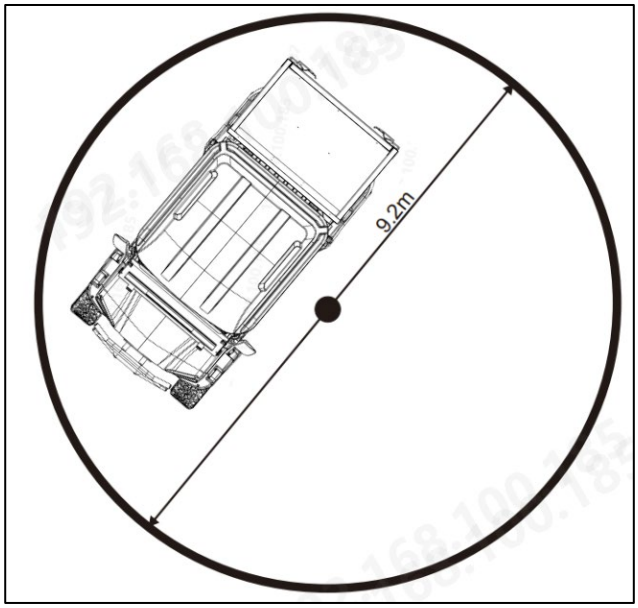
General Technical Conditions for Carts



Max Recommended Slope:25%



Max Side Tilt (Recommended):25%



Steering Clearance Diameter of Cart

WARRANTY INFORMATION

Limited Warranty

THE WARRANTY

Champion Motorsports Group offers the following warranty to the initial purchaser of this new RACKA Powersports product. The initial purchaser is defined as the first person to purchase a new RACKA Powersports product from an Authorized Retailer.

The limited warranty period for this product is **2 YEARS** from the date of the purchase as shown on the original sales receipt.

WHAT IS A DEFECT?

The Product is warranted to be free from manufacture defects in material and workmanship for a period of **2 YEARS** from the date of purchase shown on the sales receipt. During this period of time Champion Motorsports Group will, at its option, either repair, refund the purchase amount, or replace any original RACKA Powersports unit/part which is covered by this warranty that is proven to be defective in workmanship or material.

TO QUALIFY FOR THIS WARRANTY THE PRODUCT:

1. Must have been purchased from Champion Motorsports Group or from an Authorized RACKA Powersports Retailer.
2. Must not have been used in a manner inconsistent with the intended use of the vehicle such as competition or used in a manner not consistent with the intended use for the vehicle which would also include rental or commercial use.

WHO CAN PERFORM REPAIRS UNDER THIS WARRANTY?

Repairs under this warranty should be performed by an Authorized RACKA Powersports Retailer or comparable servicing dealer.

HOW TO GET SERVICE UNDER THIS WARRANTY

To get warranty service, call Champion Motorsports Group at 888-405-8725 for the location of your local service retailer/dealer. Please do not return the product to the retailer where the product was purchased unless instructed to do so by Champion Motorsports Group. The retailer of this product does not make any warranty on behalf of Champion Motorsports Group without the approval of Champion Motorsports Group. **A COPY OF YOUR VEHICLE SALES RECEIPT IS REQUIRED FOR WARRANTY SERVICE.**

WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following:

1. Damage to lack or improper maintenance as described in this manual.
2. Damage which is caused by normal use and not caused by a defect in materials or workmanship.
3. Use of the product which is not consistent with the intended use as described in the operating instructions.
4. Any expendable maintenance items which need replacement or service as normal maintenance requires unless these normal maintenance items become defective prior to their normal life due to a material defect or a defect in workmanship.
5. Any product which has been altered or modified in a manner not consistent with the original design of the product or in a manner not approved by Champion Motorsports Group.

6. Wear and tear or other maintenance components are not included in the warranty. This includes but not limited to: tires, clutches, belts, rubber boots, & batteries.
7. Damage or failures due to abuse, neglect, or misuse of the product.

LIMITATIONS OF THIS WARRANTY

This warranty does not cover, and Champion Motorsports Group disclaims any responsibility for:

1. Loss of time or loss of use of the product.
2. Transportation costs to and from the authorized center.
3. Other loss or damage to other equipment or personal items.

LENGTH OF IMPLIED WARRANTIES

Any implied warranties are limited to the duration set forth in this warranty. Champion Motorsports Group does not make any claim as to the merchantability or fitness for a particular purpose which would extend longer than the duration of this written warranty.

Check your State Laws, as some State Laws do not allow limitations as to the duration of an implied warranty. Some States may also not allow limitation or exclusions based on incidental or consequential damages.

MAINTENANCE LOG

Read all safety statements carefully before attempting any procedures.

MAINTENANCE LOG

Read all safety statements carefully before attempting any procedures.



Champion Motorsports Group / RACKA
Mobile: 888-405-8725
Website: www.champmoto.com<http://www.champmoto.com/>
4120 E. Scyene Rd. Mesquite, TX 75181