

 **TEKO**

USER MANUAL



TEKO

USER MANUAL





Thank you for choosing this vehicle. This user manual provides all the information you need to operate the TEKO INC. four-seater golf cart model. This manual contains important information necessary for the proper operation and handling of the vehicle. TEKO INC. is not responsible for any errors in this manual or for any accidental or indirect damage resulting from the use of the materials in this manual. To ensure the accuracy of the information, modifications are made based on product improvements at the time of printing. We reserve the right to make corrections, product modifications, and changes at any time without prior notice. Trademarks are the property of TEKO INC. or their respective owners. Before using your new vehicle, please read this user manual. It contains important information about the operation, entertainment, storage, and cooling systems of your vehicle, which will help you make the most of its technical features. Any updates made after the editorial deadline can be found in the appendix of the printed manual. Additional essential information can be found in authorized dealer showrooms.

PREFACE

Please read this entire manual to fully familiarize yourself with this vehicle. Important information is highlighted throughout the manual. Using parts that are not approved by the original equipment manufacturer (OEM) will void the warranty.

Tampering with or modifying the speed controller to allow the vehicle to operate beyond the factory specifications will also void the vehicle warranty.

TEKO INC

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SAFETY INFORMATION

Read all safety statements carefully before attempting any procedures.

Observe these cautions, warnings, and hazards; please note that vehicle maintenance requires mechanical skills and should be performed with caution as it may involve dangerous situations. Improper maintenance or repairs could damage the vehicle or make it unsafe.

Immediately replace any lost, damaged, or unreadable safety decals to prevent potential property damage, personal injury, or death. Purchase replacement safety decals from your dealer or authorized distributor.

Familiarize yourself with the laws and regulations regarding vehicle operation in your area. For any questions regarding the materials included in this manual, please contact an authorized representative for clarification.

IMPORTANT SAFETY INFORMATION

	<p>The safety alert symbol is used to alert you for possible personal injury hazards. Obey all safety regulations that follow this symbol to prevent possible injuries or death.</p>
	<p>A DANGER label identifies hazardous situations which may cause death or serious injuries.</p>
	<p>A WARNING label identifies hazardous situations which may cause death or serious injuries.</p>
	<p>A CAUTION label identifies hazardous situations which may cause minor or moderate injuries.</p>
	<p>A NOTICE label identifies hazardous situations which may cause property damages.</p>

SAFETY INFORMATION

Read all safety statements carefully before attempting any procedures.

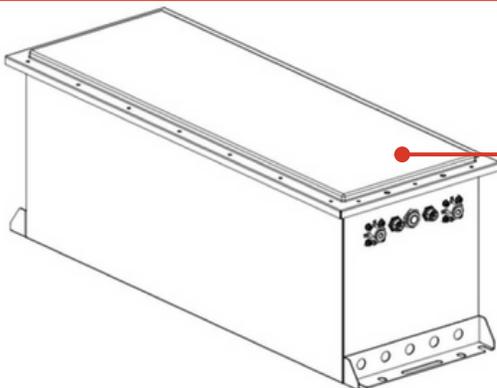
OPERATING INSTRUCTIONS

<ul style="list-style-type: none"> Read safety warnings located in the owner's manual prior to driving Study and understand controls. <p>TO OPERATE</p> <ul style="list-style-type: none"> Turn wheels to desired direction and ensure path is clear. Turn key to ON position. While stopped, place Forward/Reverse switch in desired position: D-Drive N-Neutral R-Reverse (Buzzer will sound in reverse) Press accelerator pedal to release parking brake. Slowly press accelerator pedal to increase speed. To stop, release accelerator pedal and press brake pedal. 	<p>BEFORE LEAVING</p> <ul style="list-style-type: none"> When stopped, electromagnetic parking brake will engage. Place Forward/Reverse switch in NEUTRAL position. Turn key OFF and remove key when not in use. <p>MOTOR BRAKING</p> <ul style="list-style-type: none"> Electric motor braking provides speed regulation functions. Apply brakes to control vehicle speed as required. System is activated only when switch is in the DRIVE position. When towing this vehicle, switch must be in the NEUTRAL position and brake release switch engaged under seat.
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OPERATING INSTRUCTIONS

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WARNING: SERIOUS INJURY RISK

Failure to follow these instructions may cause injury, fire, or battery damage. Follow all safety precautions.

Use Approved Charger – Only use the charger from TEKO INC. Others may cause overheating or malfunction.

Temperature Limit – Operate/store only between -4°F and 140°F to ensure safety and performance.

Keep Dry – Avoid water exposure, submersion, or flooding.

Avoid Heat/Flames – Keep away from open flames and high heat sources.

Authorized Handling Only – Only trained TEKO INC. personnel may service the battery.

Model: TT-G20AP-4810P

LiFePo4 Lithium Battery 51.2V 105Ah

SAFETY INFORMATION

Read all safety statements carefully before attempting any procedures.

◆ **Battery Safety Information:**

Lithium batteries are equipped with safety and warning labels to protect you. Please read and follow the instructions on the labels to avoid potential risks or injuries. If any of the labels shown below are damaged, worn, or illegible, please contact **your TEKO** dealer for replacement.



BATTERY WARNING DECAL



Please do not dispose of the battery directly in the trash; it should be professionally recycled.



Please dispose of the battery through an accredited recycling facility.



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.



Risk of electric shock, please do not touch!



During use, keep the battery away from high temperatures or fire sources to avoid the risk of fire!



If the lithium battery starts to smoke, move away immediately as it may pose a risk of explosion!



Keep the battery away from damp environments to avoid exposure to water or immersion in water!

SAFETY INFORMATION

Read all safety statements carefully before attempting any procedures.

◆ Lithium-Ion Battery Handling



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



WARNING

Failure to operate the vehicle as instructed may result in collisions, loss of control, or tipping, leading to serious injury or death.

Follow all safety warnings or labels, and all operators must read, understand, and comply with these warnings and labels before operating the vehicle.

Adhere to the safety information and operating procedures described.

- ◆ Operate your vehicle responsibly to prevent hazardous situations for the operator, passengers, and others in the operating area.
- ◆ Operate your vehicle responsibly and keep it in a safe operating condition.
- ◆ The driver must keep both hands on the steering wheel and both feet on the floor or pedals.
- ◆ Before each use, inspect the vehicle to ensure it is in safe operating condition.
- ◆ Perform the daily checks outlined in this manual.
- ◆ If an accident occurs, be sure to have the vehicle inspected by an authorized dealer.
- ◆ Remove the key when the vehicle is not in use to prevent accidental starting or improper use.
- ◆ Drive the vehicle at an appropriate speed suitable for the terrain and conditions, and be aware of environmental factors that may change the terrain and your ability to control the vehicle.
- ◆ Do not drive on excessively steep hills.
- ◆ Assess the terrain before going downhill, drive slowly, and intentionally use the brakes to limit speed and maintain control.
- ◆ Do not brake or turn suddenly.
- ◆ Operate only in approved areas and comply with all applicable safety rules in those areas.

VEHICLE SERIAL NUMBER (VIN)

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Vehicle Serial Number (VIN)

All vehicles have a serial number located on the left side of the frame. Every vehicle has documentation records. After the vehicle is sold out of the factory, TEKNO INC will track the vehicle using its serial number as an identifier. The serial number is used for warranty coverage provided by TEKNO INC. Customers should understand the importance of the vehicle serial number.



The warranty may become invalid due to the absence of the serial number. Please contact the dealer, provide sufficient warranty purchase documentation, and obtain a new serial number as soon as possible.

VEHICLE FEATURES

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

1. Rearview Mirror and Turn Signals

2. Foldable Windshield

3. Full Width Daytime Running Light

4. Front Headlights



1. Steering Wheel

2. Cup Holder

3. Dashboard

4. Front Storage Compartment



VEHICLE FEATURES

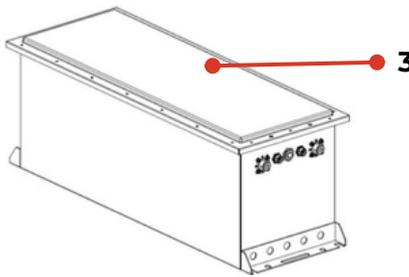
Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.



1. Armrest

2. Backrest Cup Holder

3. Lithium Battery Pack 105Ah



1. License Plate Mounting Location

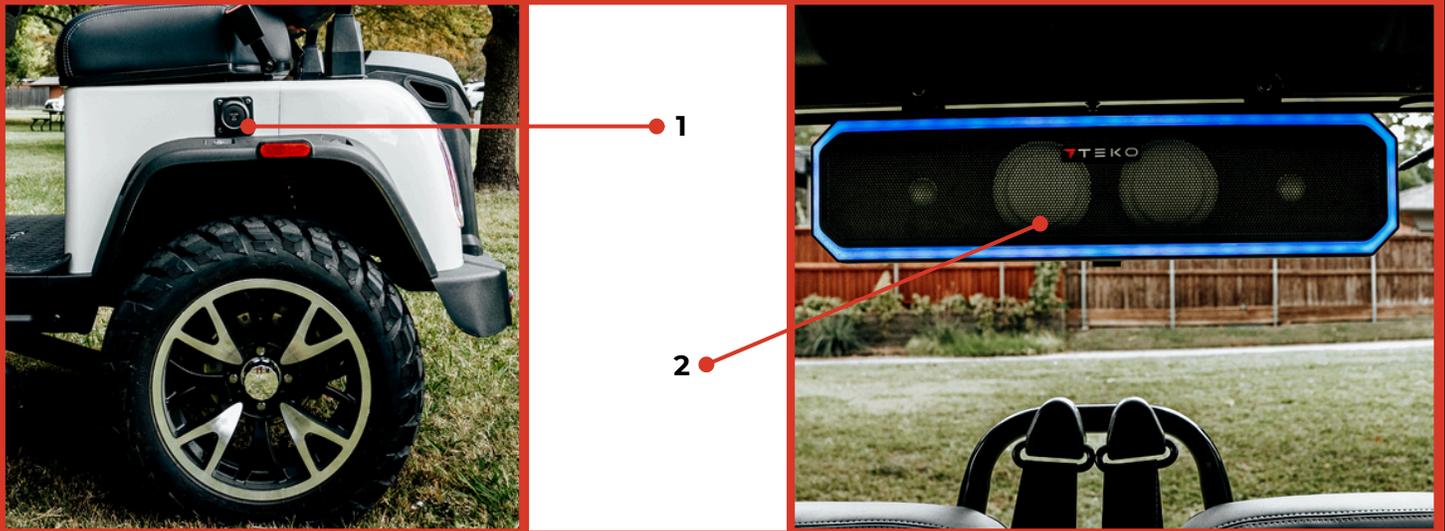
2. Rear Taillight

3. Rear Bumper

4. Reversing Camera

VEHICLE FEATURES

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.



1. Charging Port

2. Audio Stereo



1. One-Touch Start Tuning Switch

2. Emergency Light Switch

3. Gear Shift Switch

4. Ambient Light Switch

5. USB Port

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.



DANGER

- ◆ Operating the vehicle when occupants are not seated properly may result in injury or death.
- ◆ Only start the vehicle when all passengers are fully seated.
- ◆ Falling objects can cause property damage, continuous personal injury, or death.
- ◆ Do not operate the vehicle in areas with a risk of falling objects.
- ◆ Do not allow passengers to sit on your lap while the vehicle is in operation.
- ◆ Do not allow passengers to ride on the vehicle or trailer.



WARNING

- ◆ Stay away from drop-offs, steep slopes, and unstable surfaces.
- ◆ Sudden starts, stops, and turns can cause property damage and continuous personal injury.
- ◆ Prevent sudden starts, stops, and turns.
- ◆ Properly maintaining the vehicle and performing necessary repairs in case of failure can reduce vehicle performance issues, safety hazards, fire risks, property damage, and the risk of continuous personal injury or death.
- ◆ If issues are found during regular inspections or maintenance, operate the vehicle only after repairs are made.
- ◆ Ensure that all passengers are securely seated during vehicle operation. To prevent serious injury, keep your body fully inside the vehicle while it is in motion.
- ◆ This vehicle is not designed for use by people with disabilities.
- ◆ Before operating the vehicle, ensure that all operators follow the warnings and operating instructions.
- ◆ Improper vehicle operation can result in poor vehicle performance, significant property damage, severe personal injury, or death.
- ◆ To prevent falling from the vehicle, passengers should remain seated and always hold onto handles or armrests during operation.
- ◆ When the vehicle is in motion, the driver must keep both hands on the steering wheel.
- ◆ Sharp turns at high speeds can lead to rolling, falling, property damage, and serious personal injury.
- ◆ Operate the vehicle slowly and carefully.
- ◆ Operating the vehicle without a driver can cause serious personal injury or death.
- ◆ Disable the vehicle before leaving or during vehicle maintenance.
- ◆ This vehicle is not compatible with child safety seats, and children are not allowed to ride in the vehicle using such seats.



CAUTION

- ◆ Operate the vehicle only from the driver's seat.
- ◆ Operate the vehicle only in designated areas.
- ◆ Only authorized and licensed drivers are permitted to operate the vehicle.
- ◆ Exercise caution when operating the vehicle in the presence of high-speed vehicles, adjacent areas, or unimproved surfaces.

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Pre-Operation Safety and Performance Check

Use the pre-operation checklist to inspect the vehicle's condition and performance. If poor operating conditions are found, stop operation immediately.

Stopping operation can prevent further damage to the vehicle or serious injury.

If the vehicle is not in operational condition, consult your dealer for maintenance or repair services.

INSPECTION ITEMS	INSPECTION PROCEDURE
Battery	Before starting to use the vehicle, the battery should be fully charged, and any faulty/damaged parts should be replaced during the inspection.
Brakes	Check the brake pedal; it should feel smooth and firm when pressed. When released, it should return to its original position with a slight rebound, indicating proper functionality.
Throttle Pedal	Check the throttle pedal; when pressed and released, it should fully and smoothly return to its original position.
Tires	Check the tire pressure; it should be around 20 PSI. Inspect the tread for any embedded objects and remove them if found. Ensure the tire has no cracks or other damage. Defective tires can cause accidents while driving.
Steering	Pull the steering wheel up and down to check for looseness. Rotate the steering wheel left and right. Listen for any excessive play or unusual noises, such as rattling or grinding sounds.
Reversing Alarm (Backup Alarm)	When the gear shift is in the R (Reverse) position, it should remain securely in place and function properly. Ensure that the gear engages smoothly without slipping or any unusual resistance.
Lights	Check that the signal lights, brake lights, and turn signals are functioning properly. Ensure they turn on and off without any issues and replace any bulbs that may be dim or non-functional. If any lights do not work as expected, inspect the wiring or switch and replace the faulty components.

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Pre-Operation Safety and Performance Check



The battery should be fully charged before starting to use the vehicle.



Check the throttle pedal; it should feel smooth and firm when pressed. When released, it should return to its original position smoothly and quickly.



Check the brake pedal; it should move smoothly and feel firm when pressed. When released, it should return to its original position smoothly and quickly.



Check the tire pressure. It should be around 20 PSI (138 kPa).

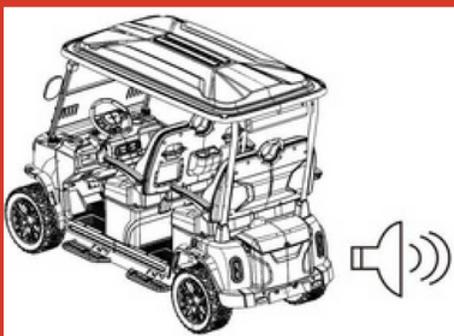


Check that the signal lights, brake lights, and turn signals are functioning properly.

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

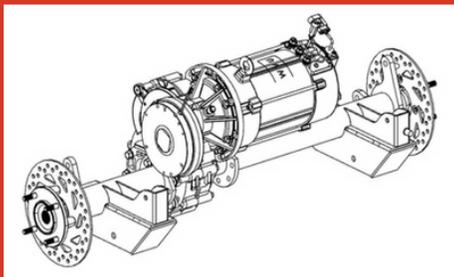
◆ Pre-Operation Safety and Performance Check



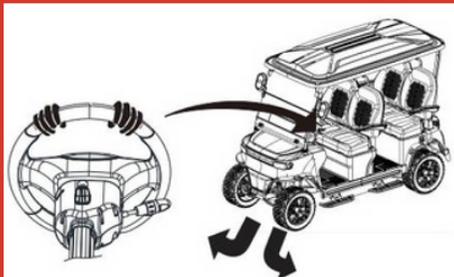
Check the reversing speaker; it should function properly when the gear shift is in the **R (Reverse)** position.



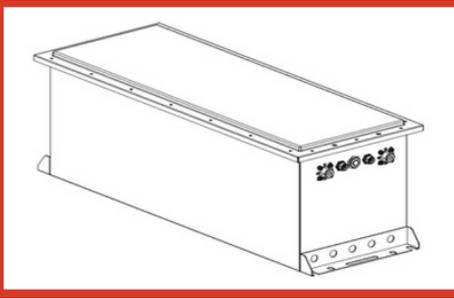
Check the surface of the tires and remove any embedded objects you can find. Ensure that the tires are not damaged and do not show signs of wear. Defective tires may cause accidents while driving.



Check the lubrication oil level in the rear axle. Use a cleaned stick, insert it into the rear axle and push it to the bottom. Pull it out and check the depth. The oil level should be around 0.8L.



Pull the steering wheel up and down to check for looseness. Rotate the steering wheel left and right. Ensure there is no excessive play or unusual noise..

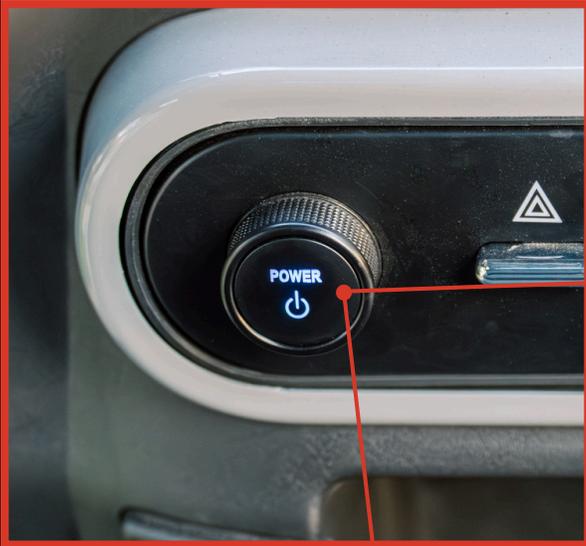


Check the tightness of the battery; ensure all the nuts are securely fastened. Loose connections on the battery can cause the vehicle to stop while in operation.

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Start the Vehicle



Press the remote unlock button within a range of 1 meter to 20 meters from the vehicle, then press the one-touch start button to start the vehicle. The front headlights will light up in a flowing pattern, the rotary gear shift will light up, and the instrument panel will turn on. The controller will perform a self-check, and the vehicle will be powered on. Once the vehicle shifts, it will be ready for normal driving.

When the vehicle stops, press the one-touch start button again. The controller will power down, the front headlights will turn off, and the vehicle will begin a 10-second delay before shutting down, cutting power to the entire system.

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Drive and Control



The rotary gear shift is located to the right of the one-touch start tuning switch. This vehicle uses an S-D-N-R gear shifting system. Under normal conditions, the gear shift is in the neutral position ("N"). When the shift knob is rotated clockwise to the "D" position, the display shows a "D", indicating that the vehicle is in a low speed forward driving mode meant for economic efficiency. When the shift knob is rotated further clockwise to the "S" position, the vehicle enters sport mode, with enhanced power response for a more dynamic driving experience. When the shift knob is rotated counterclockwise to the "R" position, the display shows "R", and the vehicle enters reverse mode.

1



2



1. Use the accelerator pedal to accelerate. Press the pedal gently to increase the speed of the vehicle. The more you press, the faster the vehicle will go. Release the accelerator to decelerate or maintain a steady speed.
2. Use the brake pedal to reduce speed. Press the pedal gradually to slow down or come to a complete stop. Avoid sudden or harsh braking to ensure smooth and safe deceleration.

OPERATION AND CONTROLS

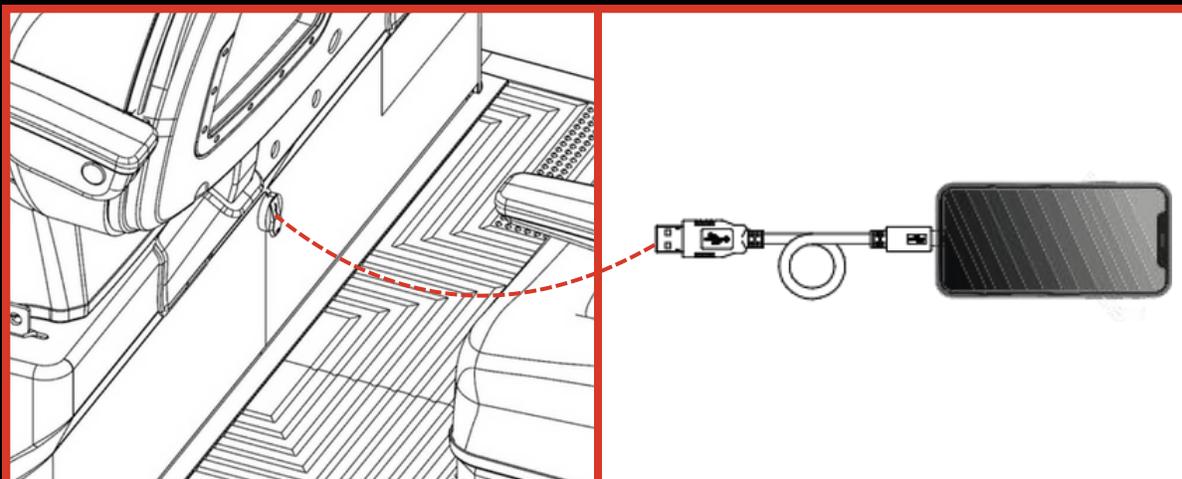
Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Turn Signal



The combination switch handle controls the turn signal; pulling the handle backward activates the left turn signal, and pushing it forward activates the right turn signal. The ring controls the front headlights; turning it forward turns on the headlights, and turning it backward turns them off. Pushing the combination handle down activates the high beams, while pulling it upward activates the passing light. Moving the handle from the bottom to the middle position will turn off the high beams and turn on the low beams.

◆ USB/C Charging Port



OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

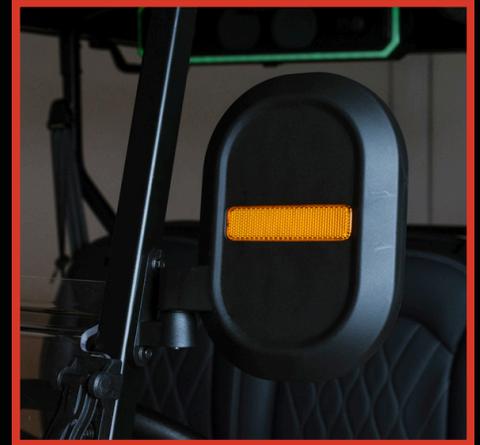
◆ Light Control



Front Headlight Assembly



Taillight Assembly



Turn Signal on the Rearview Mirror

◆ Adjust the steering column height

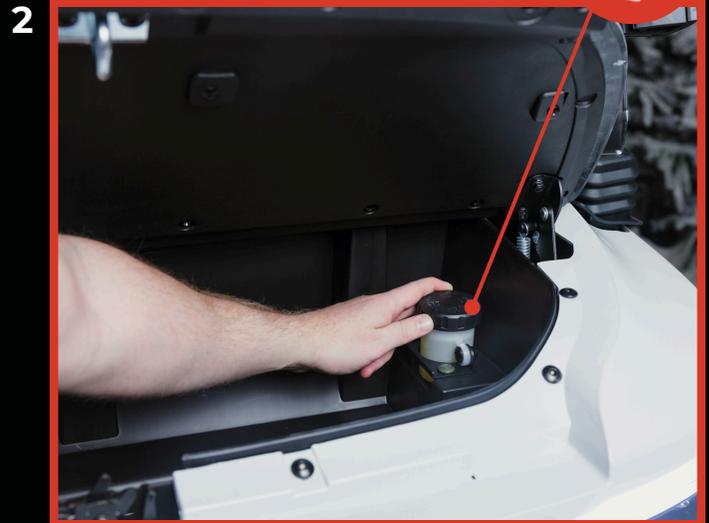
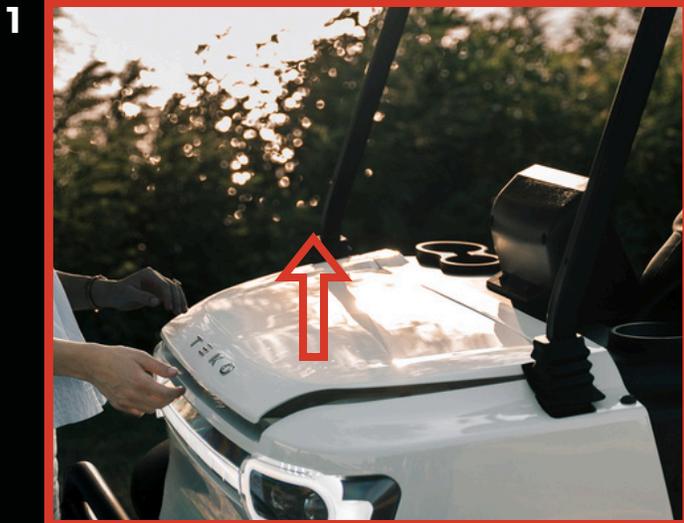


1. Pull the adjustment switch down.
2. Push the steering column up or down to adjust it to your desired height.

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Add brake fluid



1. Open the hood.

2. Open the brake fluid reservoir cap, check the fluid level, and add DOT 3 brake fluid if necessary.

◆ Fold the rearview mirror



1. Push inward.

2. The mirror can be folded inward by 90 degrees.

OPERATION AND CONTROLS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

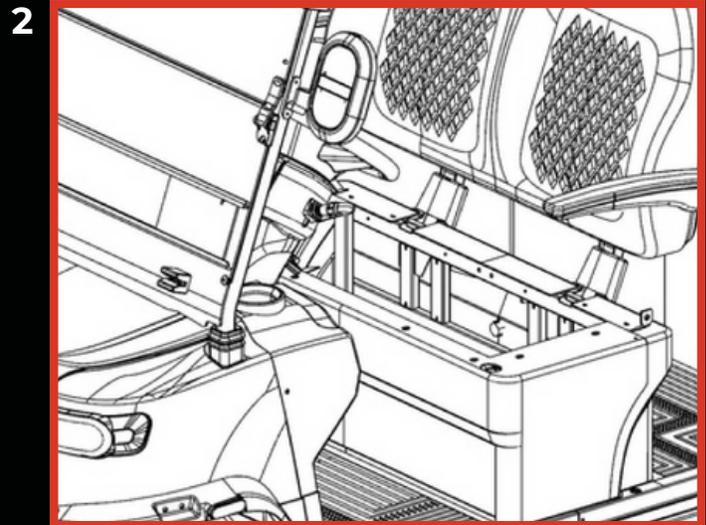
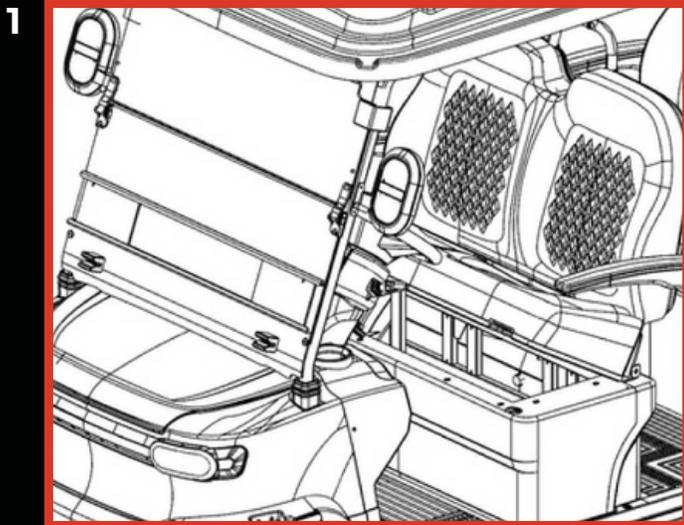
◆ Open the rear storage compartment

Rear storage compartment

Insert the rear storage compartment key, rotate it inward, and press to open the rear storage compartment.



◆ Seat removal



1. Lift the seat from the front so that the seat cushion hook enters the bottom of the seat and separates from the socket on the middle console.
2. Remove the seat.

TOUCHSCREEN MANUAL

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Introduction to Touchscreen Function Buttons

1. Tap the  icon to mute
2. Tap the  icon to return to the main interface
3. Tap the  icon to return to the previous interface
4. Tap the  icon to increase the volume
5. Tap the  icon to decrease the volume



◆ Interface Display



- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Trip Mileage Display 2. Real-time Speed Display
(Long press to switch to MPH mode) 3. Left Turn Signal Indicator 4. Seat Belt Status Display 5. Electronic Parking Brake Status Display 6. Vehicle Status Display | <ol style="list-style-type: none"> 7. Gear Position Display 8. Low Beam Headlight Status Display 9. High Beam Headlight Status Display 10. Right Turn Signal Indicator 11. Remaining Battery Display 12. Total Mileage Display 13. Fault Code Display |
|---|--|

TOUCHSCREEN MANUAL

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Basic Function Display

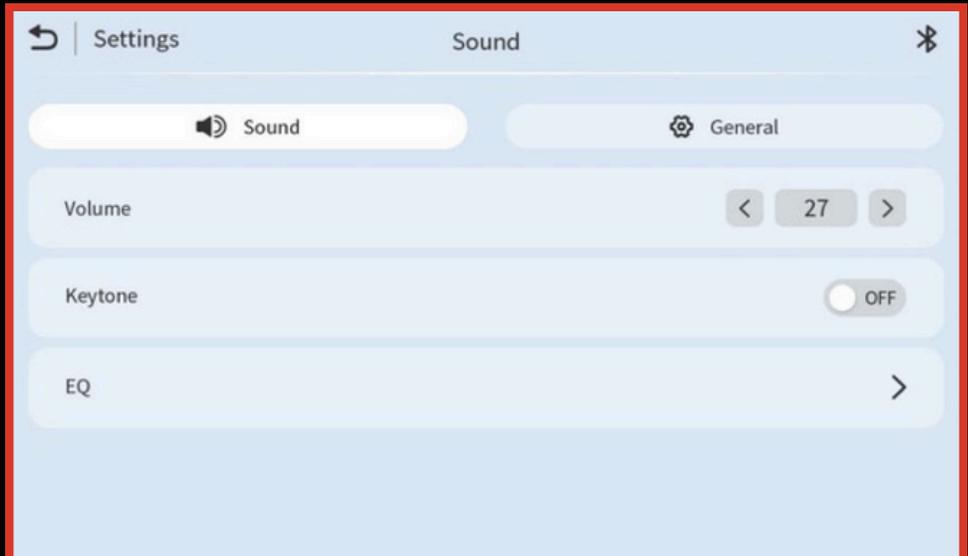
1. Settings
2. Return to Main Interface
3. Bluetooth Status Display



◆ Setting

1. Volume Adjustment

Tap the  icon to switch to the sound settings page.



TOUCHSCREEN MANUAL

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

2. EQ Function Introduction To open the EQ, tap the icon on the right side of the EQ section under the sound settings to enter the EQ interface. Slide this icon up and down to adjust the EQ effects. The EQ has 16 bands, and the EQ mode supports multiple sound effect options for free switching. Tap the Reset button to restore the EQ settings.



3. General Functions

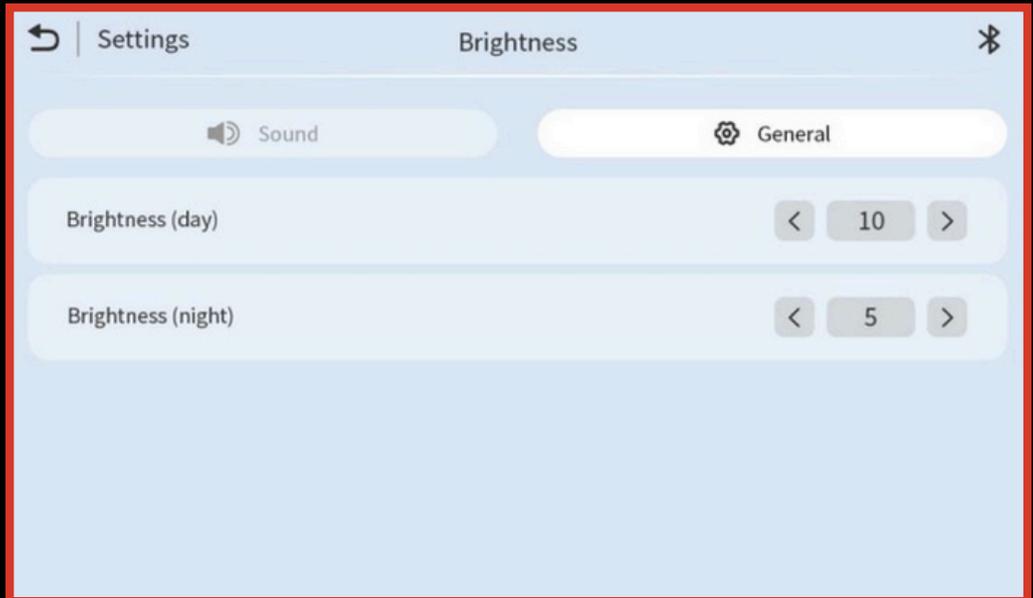


TOUCHSCREEN MANUAL

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

4. Brightness Adjustment

Tap the < > icons to adjust the brightness.



5. System Information

Tap the Settings option to view the version number and system details.



TOUCHSCREEN MANUAL

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

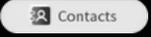
◆ Phone Functions



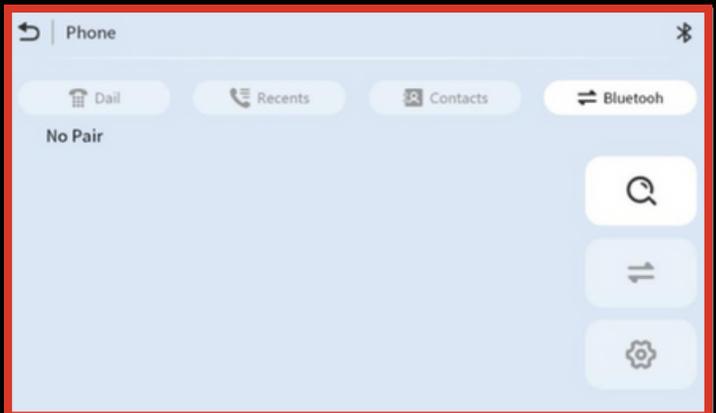
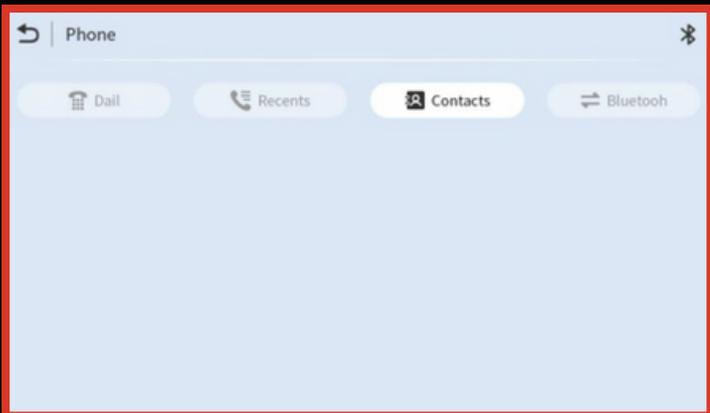
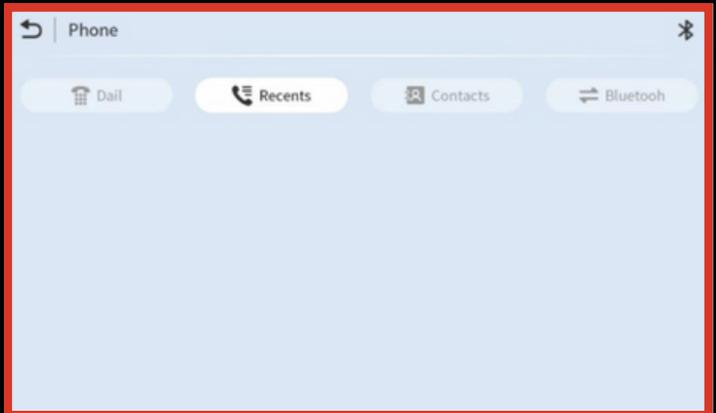
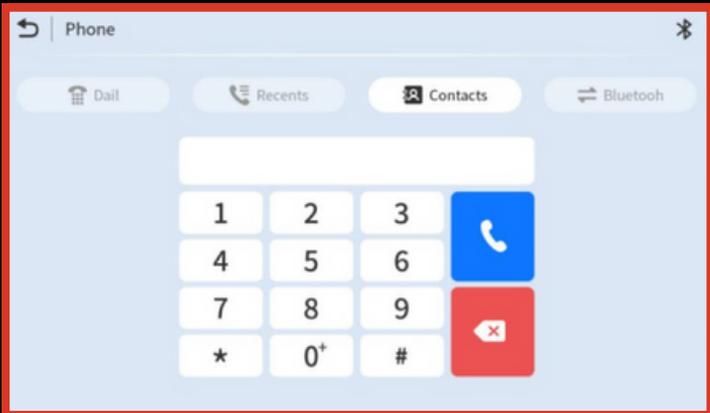
Tap the  icon on the main interface to activate this feature. After pairing your mobile phone, you can use this function to make and receive calls, as well as view call history and contacts.

Tap the  button to enter a phone number; Tap the  button to dial.

Tap the  button to view the call history page.

Tap the  button to view saved phone numbers.

Tap the  button to view connected devices.



TOUCHSCREEN MANUAL

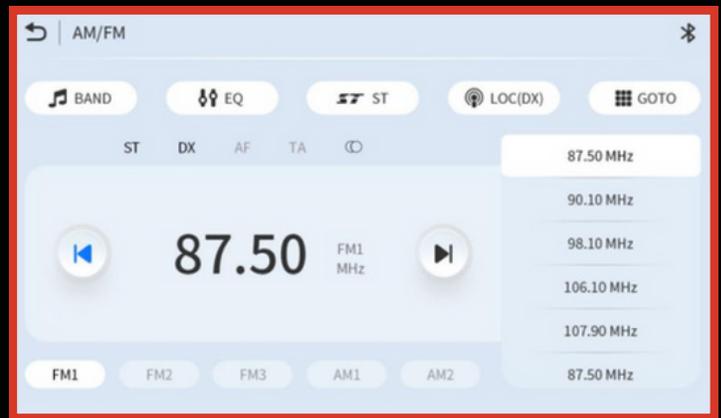
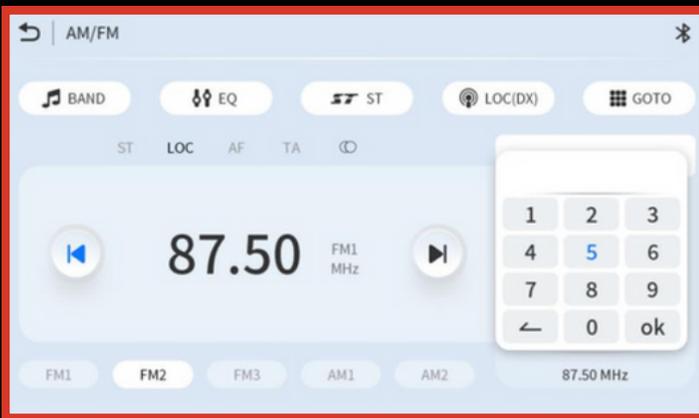
Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Radio

Tap the  button to activate the radio function. Tap the FM button    to switch to FM mode. Tap the AM button   to switch to AM mode.

The radio function supports the following regions: **Asia, Australia, Europe, the Middle East, Japan, Eastern Europe, North America, and Latin America.**

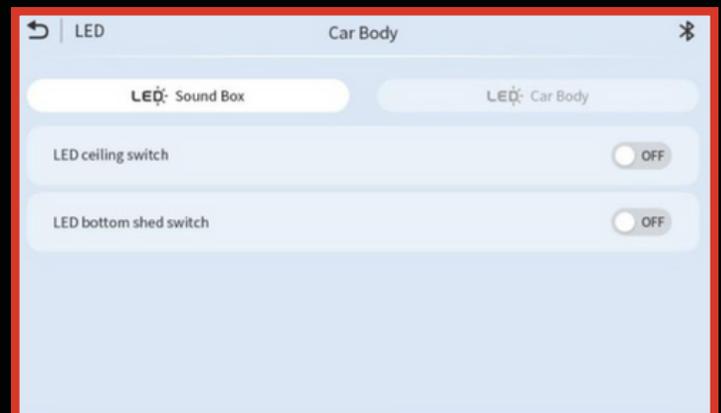
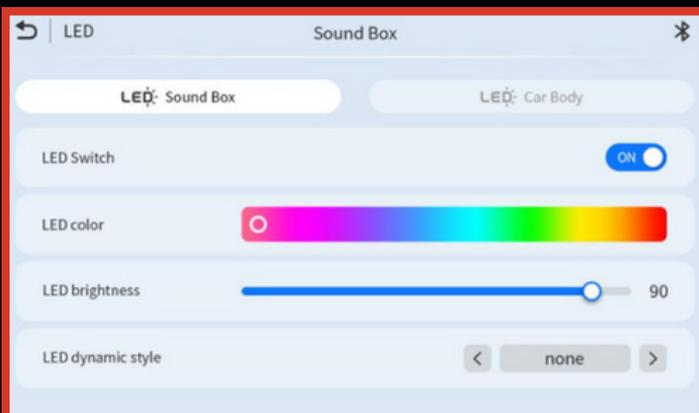
You can select the reception region and enable or disable RDS (Radio Data System) in the settings.



◆ Led

Tap the  button on the main screen to access the LED control function.

- Tap the LED switch to turn the LED on or off.
-  indicates that the LED is off,  indicates that the LED is on.
- In this interface, you can adjust the LED color, brightness, and style as needed.



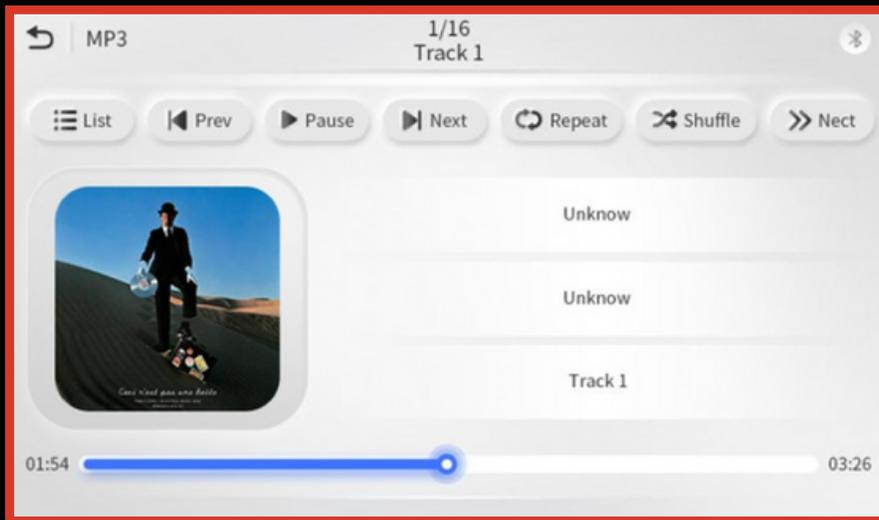
TOUCHSCREEN MANUAL

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Screen Mirroring

Tap the  button to enable Screen Mirroring.

◆ MP3



The MP3 function allows you to play downloaded audio files.

◆ USB

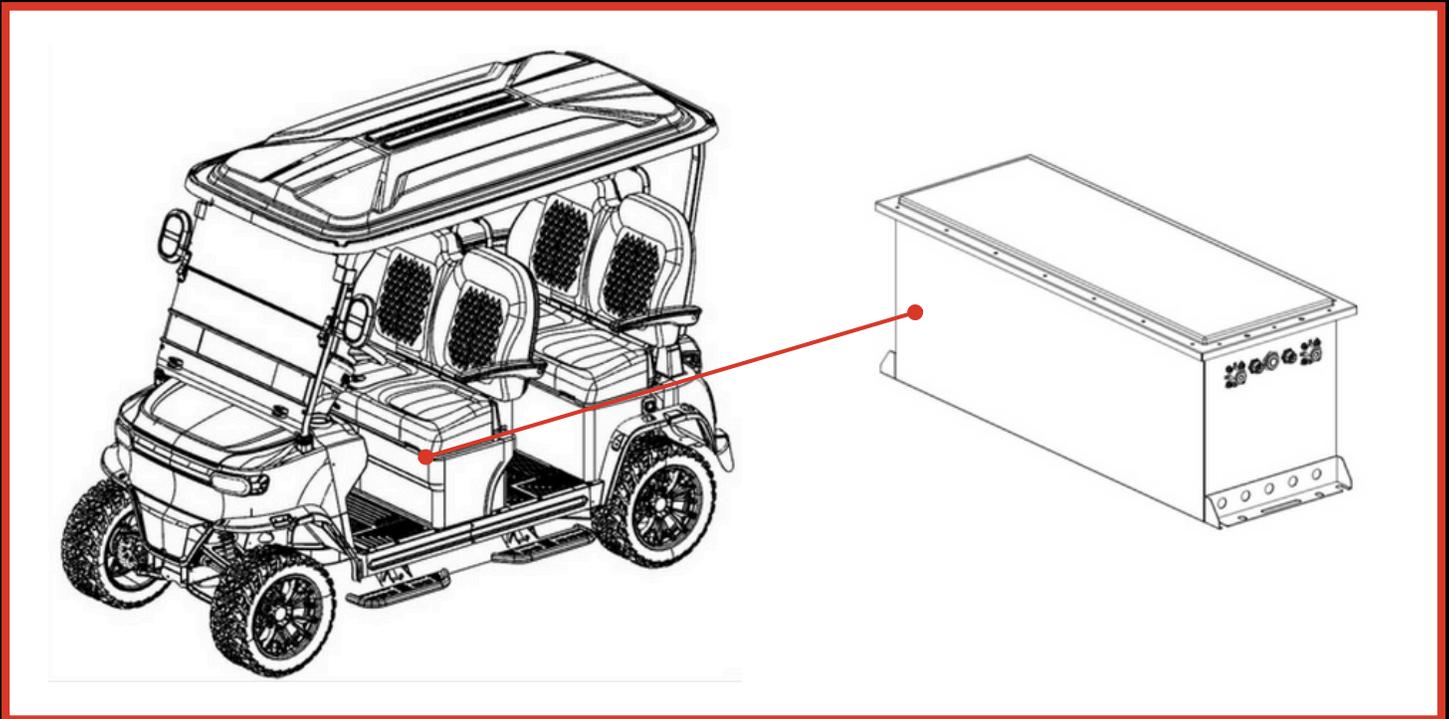


The infotainment system supports USB device connections via the USB port, allowing playback of audio, video, and other media files stored on the USB device.

BATTERY CHARGER

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Lithium Battery



The Lithium Iron Phosphate (LiFePO₄ or LFP) battery is one of the safest types of lithium batteries. A single LFP cell has a nominal voltage of 3.2V, meaning a 48V LFP battery pack is typically composed of 16 cells connected in series.

LiFePO₄ batteries are particularly suitable for demanding applications and offer the following key characteristics:

- ◆ Safety & Durability: Withstands prolonged deep discharge without significant damage.
- ◆ High Cycle Efficiency: Provides high charge/discharge efficiency with minimal energy loss.
- ◆ High Energy Density: Delivers greater energy capacity in a lighter and more compact form.
- ◆ High Discharge/Charge Rate: Supports high-current fast charging and discharging.
- ◆ Wide Charging Voltage Range: Allows for flexible charging voltage configurations.

BATTERY CHARGER

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

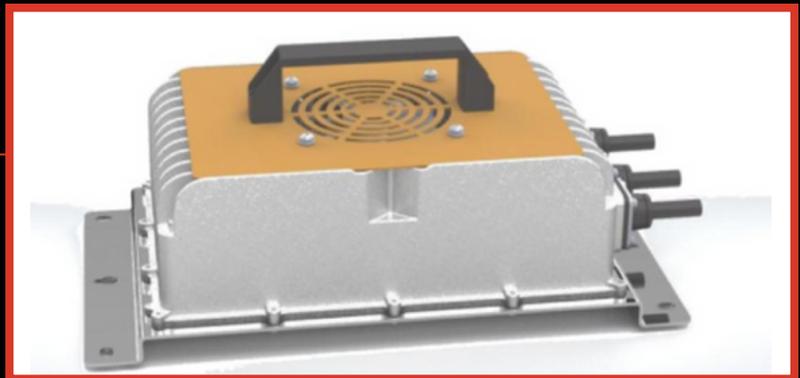
◆ Battery Charger



WARNING

INCORRECTLY CONNECTING THE AC POWER CORD MAY CAUSE FIRE OR ELECTRIC SHOCK. DO NOT USE AN ADAPTER TO CONNECT THE AC POWER CORD TO A TWO-PRONG OUTLET. IMPROPERLY CONNECTING THE AC POWER CORD TO AN OUTLET MAY RESULT IN FIRE, ELECTRIC SHOCK, PROPERTY DAMAGE, SERIOUS INJURY, OR DEATH. ALWAYS CONNECT THE AC POWER CORD TO AN APPROVED POWER SOURCE AND OUTLET. KEEP THE BATTERY CHARGER DRY AND AVOID EXPOSURE TO MOISTURE.

◆ Charger Specifications



CH02U0-4835 Charger

INPUT CHARACTERISTICS			
Input AC Voltage	100-240	Vac	Single-phase three-wire
Input AC Frequency	45-60	Hz	
Maximum Input Current	20	A	
Power Factor	≥0.98		Full load
INPUT CHARACTERISTICS			
Rated Output Voltage	48	V	
Maximum Output Voltage	64	V	
Output Voltage Accuracy	±1	V	
Rated Output Current	35	A	
Maximum Output Current	±1	A	
Output Voltage Ripple	≤1	%	
Maximum Efficiency	≥85	%	
PROTECTION CHARACTERISTICS			
Input Undervoltage	100	Vac	Shutdown
Input Overvoltage	240	Vac	Shutdown
Output Undervoltage	0	V	Shutdown
Output Overvoltage	72	V	Shutdown
Output Short Circuit	-	-	Shutdown
Over-temperature Protection	85	°C	Limited Power Output
Communication Function	CAN	-	Optional

ELECTRIC SAFETY CHARACTERISTICS			
Dielectric Strength	OBC Input - OBC Output	≤20mA @ 2000Vac / 1min	No breakdown or flashover phenomenon. (Short-circuit machine input; short-circuit machine output)
	OBC Input - Ground	≤20mA @ 2000Vdc / 1min	
	OBC Output - Ground	≤20mA @ 2000Vdc / 1min	
Insulation Resistance	OBC Input - OBC Output	≥20MΩ @ 1000Vdc	No breakdown or flashover phenomenon. (Short-circuit machine input; short-circuit machine output)
	OBC Input - Ground	≥20MΩ @ 1000Vdc	
	OBC Output - Ground	≥20MΩ @ 1000Vdc	
Grounding Resistance			<0.1Ω
Lightning Protection	The AC input terminal can withstand an impulse current of no less than 5kA, 8/20us impulse current waveform, with 5 positive and 5 negative pulses, at 1-minute intervals.		

BATTERY CHARGER

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ How to use charger



WARNING

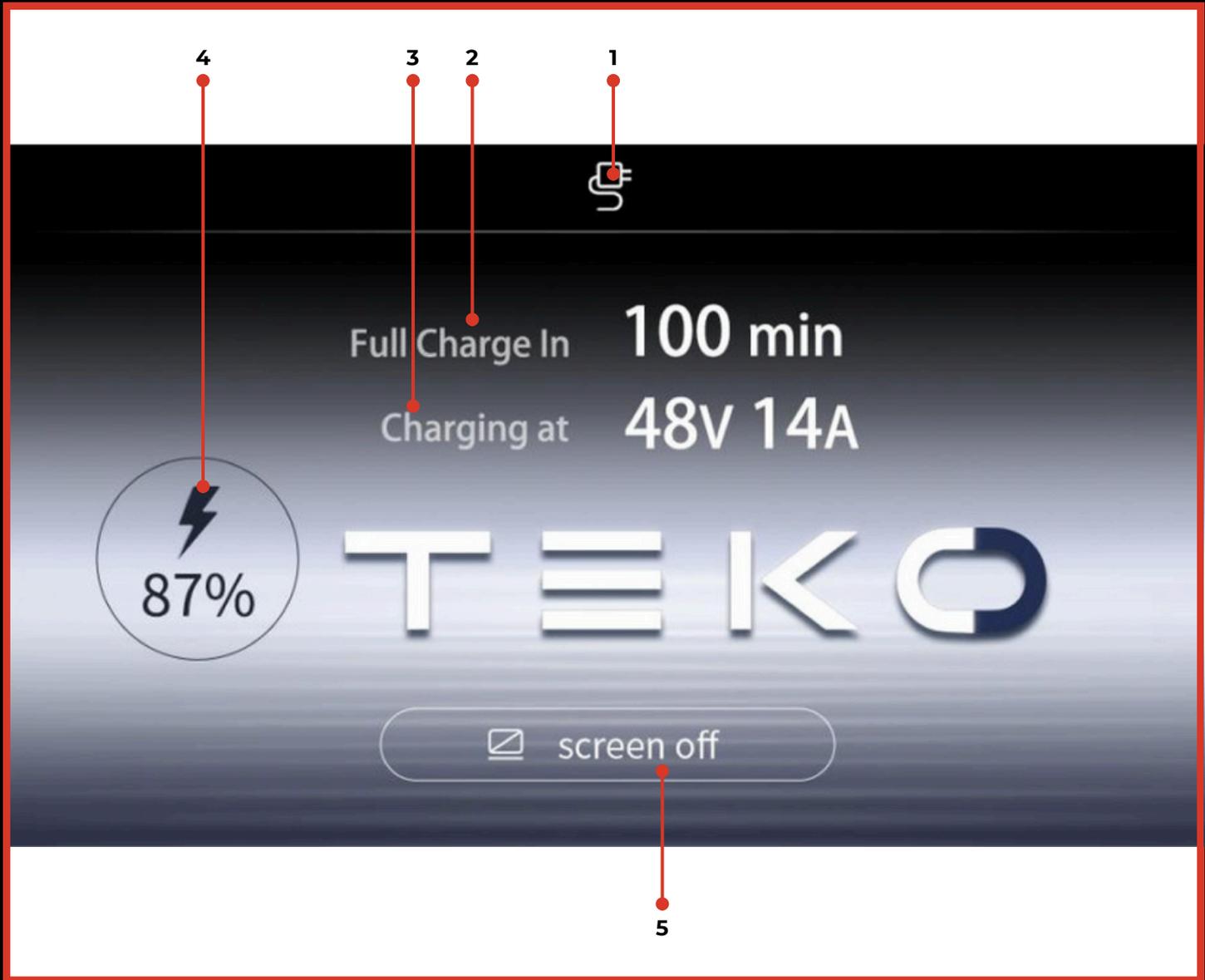
To reduce the risk of electric shock, do not remove the grounding pin from the charger plug. The AC power cord includes a plug with a grounding pin. Do not modify, cut, or bend the grounding pin.

1. Inspect the charger power cord, AC power cable, and wires for any damage.
Replace any damaged AC power cord.
2. Fully insert the AC charging handle into the vehicle's charging port.
3. Fully plug the AC power cord into a grounded power outlet.
4. Once the AC power cord is connected, the charger will start automatically within a few seconds.
5. The charger will automatically stop when the battery is fully charged.
6. Disconnect the AC power cord before operating the vehicle.



BATTERY CHARGER

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.



1. Charger Connected
2. Remaining Time Until Full Charge
3. Current Charging Power Output
4. Current Charge Percentage of Lithium Battery
5. Screen-Off Touch Button

◆ Lithium Battery Fault Codes

1. LEVEL 1 FAULTS					
Fault Level	Fault Names	Fault Codes (Decimal)	Fault Codes (Hexadecimal)	Fault Description	Additional Notes
Level 1	Severe Overtemperature Alarm	1	B01	Alarm, fault level reporting, fault code sends 01, discharge current limit is 20A, follows the discharge current limiting process, UL 85°C.	
	Severe Overcurrent During Discharge	2	B02	Alarm, fault level reporting, fault code sends 02, discharge current limit is 20A, follows the discharge lower limit current process.	Retention/Level 1: 600A for more than 10 seconds, protection board power off/Level 2: Overcurrent 800A for 1 second.
	Severe Low Cell Voltage	3	B03	Alarm, fault level reporting, fault code sends 03, discharge current limit is 20A, follows the discharge current limiting process.	Single cell critically low at 2.4V / no power cutoff, prompt passengers to pull over.

2. LEVEL 2 FAULTS					
Fault Level	Fault Names	Fault Codes (Decimal)	Fault Codes (Hexadecimal)	Fault Description	Additional Notes
Level 2	High Temperature Alarm	21	B15	Alarm, fault level reporting, fault code sends 21, discharge current follows the SOP power limitation table.	Temperature at 75°C / Warning.
	Low Cell Voltage Alarm	24	B18	Alarm, fault level reporting, fault code sends 24, discharge current follows the SOP power limitation table.	2.5V
	Overcurrent	25	B19	Alarm, fault level reporting, fault code sends 25; discharge current follows SOP power limitation table execution at 50%.	500A / 5s
	Temperature Sensor Wire Drop	37	B25	Alarm, fault level reporting, fault code sends 37.	
	Discharge Low Temperature	38	B26	Alarm, fault level reporting, fault code sends 38; discharge current follows SOP power limitation table execution, follows the discharge high-voltage current process; all relays are disconnected.	Below -18°C warning
	Discharge Single Cell Voltage Difference	39	B27	Alarm, fault level reporting, fault code sends 39; discharge current follows SOP power limitation table execution at 10%.	Voltage difference reaches 1.4V
	Overcurrent During Charging	41	B29	Alarm, fault level reporting, fault code sends 41; reduces charging current to 0A.	Exceeds 180A for 5 seconds
	Feedback Overcurrent	42	B2A	Alarm, fault level reporting, fault code sends 42; feedback is prohibited, continuously disconnects high-voltage relays.	Exceeds 180A for 5 seconds

◆ Lithium Battery Fault Codes

3. LEVEL 3 FAULTS					
Fault Level	Fault Names	Fault Codes (Decimal)	Fault Codes (Hexadecimal)	Fault Description	Additional Notes
Level 3	Large Battery Voltage Difference	62	B3E	Alarm, fault level reporting, fault code sends 62; discharge current follows SOP power limitation table execution at 70%.	Voltage difference > 1.3V
	High Discharge Temperature	73	B48	Alarm, fault level reporting, fault code sends 73.	Warning at > 70°C
	Low Discharge Temperature	74	B49	Alarm, fault level reporting, fault code sends 74; discharge current follows SOP power limitation table execution.	Warning at < -15°C
	High Charging Temperature	75	B4A	Alarm, fault level reporting, fault code sends 75.	Warning at > 65°C
	Low Charging Temperature	76	B4B	Alarm, fault level reporting, fault code sends 76.	Warning at < -3°C
	Low Discharge Single Cell Voltage	78	B4E	Alarm, fault level reporting, fault code sends 78; discharge current follows SOP power limitation table execution at 50%.	Warning at < 2.6V
	Continuous Overcurrent During Discharge	82	B52	Alarm, fault level reporting, fault code sends 82; discharge current follows SOP power limitation table execution at 80%.	350A / 10s
	Low Charging Single Cell Voltage	90	B5A	Alarm, fault level reporting, fault code sends 90; follows charging current diagram, disconnect all relays.	Warning at < 1V
	Charger Hardware Fault	100	B64	Charger Hardware Fault	
	Charger Temperature Fault	101	B65	Charger Temperature Fault	
	Charger Voltage Limitation Power Fault	102	B66	Charger Voltage Limitation Power Fault	
	Charger Input Voltage Fault	103	B67	Charger Input Voltage Fault	
	Charger Output Overcurrent	104	B68	Charger Output Overcurrent	
	Charger Startup Fault	105	B69	Charger Startup Fault	
Charger Communication Fault	106	B6A	Charger Communication Fault		
Charger Battery Connection Fault	107	B6B	Charger Battery Connection Fault		

BATTERY CHARGER

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Charger Maintenance



WARNING

IF THE POWER PLUG IS BENT, CONTACT YOUR LOCAL DEALER FOR A REPLACEMENT. DO NOT ATTEMPT TO REPAIR THE POWER PLUG YOURSELF.

POWER CORD INSPECTION

Before use, inspect the power cord for damage. Immediately replace the cord if you notice:

- ◆ Cracks
- ◆ Cuts
- ◆ Frayed wires
- ◆ Damaged insulation
- ◆ Loose connections
- ◆ Splicing

POWER PLUG AND OUTLET INSPECTION

Check the power plug and outlet for damage before use. Replace immediately if you notice:

- ◆ Bent prongs
- ◆ Corrosion
- ◆ Cracks
- ◆ Loose connections
- ◆ Missing prongs

CLEANING THE POWER PLUG AND OUTLET

- ◆ Disconnect the AC power cord.
- ◆ Unplug the AC power cord from the battery charger.
- ◆ Disconnect the DC power cord from the vehicle's charging socket.
- ◆ Apply an electrical contact cleaner to the power plug and outlet, following the manufacturer's instructions.
- ◆ Clean the power plug and outlet thoroughly.
- ◆ Lightly lubricate the electrical plug and outlet using WD-40®.

WHEELS AND TIRES

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Wheels and Tires



WARNING

DO NOT OVERINFLATE TIRES. EXCESSIVE PRESSURE MAY CAUSE AN EXPLOSION. INFLATE GRADUALLY, ADDING SMALL AMOUNTS OF AIR INTERMITTENTLY WHILE SECURING THE TIRE BEAD. OVERINFLATION CAN OCCUR QUICKLY.

PROTECT FACE AND EYES WHEN REMOVING THE TIRE VALVE CORE.

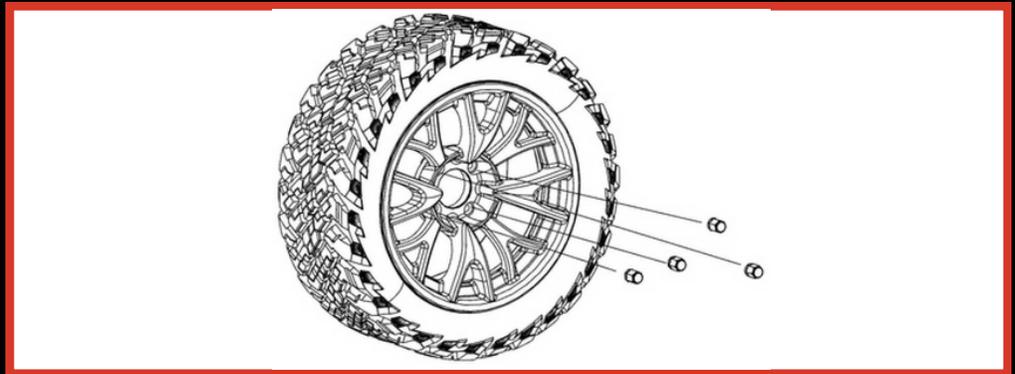
ONLY USE IMPACT-RATED SOCKETS TO AVOID INJURY FROM SOCKET BREAKAGE. NEVER EXCEED RECOMMENDED TIRE INFLATION PRESSURE.

TIGHTEN LUG NUTS IN A CROSS-SEQUENCE PATTERN FOR EVEN WHEEL SEATING.

NOTICE

Tools List

- ◆ Lug Wrench, M19 1
- ◆ Impact Wrench 1
- ◆ Impact Socket, M19 1
- ◆ Torque Wrench 1



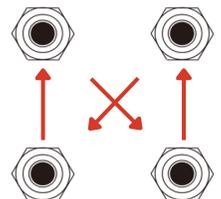
The recommended tire inflation pressure is 20 psi, but the inflation level may vary depending on specific terrain conditions.

All four tires must have the same pressure to ensure optimal handling and control. After checking or inflating the tires, always reinstall the valve cap to prevent air leakage.

For small punctures in the tread area, use a tire plug for repair. For larger punctures or cuts, replace the entire tire to maintain safety and performance

- ◆ Install the valve stem on the outer side of the wheel, then mount the wheels and tires onto the hub using lug nuts.
- ◆ Hand-tighten the lug nuts as shown in the diagram.
- ◆ Tighten the lug nuts to a torque of 50-85 ft-lbs.
- ◆ Continue tightening in a cross sequence pattern until the correct torque is achieved.

Cross Sequence



VEHICLE MAINTENANCE

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Vehicle Maintenance



WARNING

ONLY TRAINED TECHNICIANS SHOULD PERFORM VEHICLE MAINTENANCE OR REPAIRS. EVEN SIMPLE REPAIRS REQUIRE KNOWLEDGE AND EXPERIENCE IN ELECTRICAL AND MECHANICAL SYSTEMS, AND ALL PROCEDURES MUST FOLLOW THE APPROPRIATE SERVICE MANUAL.

FAILURE TO PROPERLY MAINTAIN THE VEHICLE OR PERFORM NECESSARY REPAIRS MAY REDUCE PERFORMANCE AND POSE SERIOUS RISKS, INCLUDING FIRE, PROPERTY DAMAGE, SEVERE INJURY, OR DEATH. IF ANY ISSUES ARE DETECTED DURING ROUTINE INSPECTIONS OR SERVICING, DO NOT OPERATE THE VEHICLE UNTIL THE REPAIRS ARE COMPLETED.

DO NOT WEAR LOOSE CLOTHING, RINGS, WATCHES, CHAINS, OR OTHER JEWELRY WHILE SERVICING THE VEHICLE OR BATTERY CHARGER.

WHEN LIFTING THE VEHICLE, RAISE ONLY ONE END AT A TIME AND USE PROPER LIFTING EQUIPMENT WITH A MINIMUM LIFTING CAPACITY OF 1,273 LBS (577 KG).

DO NOT LEAVE THE VEHICLE SUSPENDED ON LIFTING EQUIPMENT. INSTEAD, USE PROPERLY RATED JACK STANDS TO SUPPORT THE VEHICLE AND SECURE THE REMAINING WHEELS ON THE GROUND WITH WHEEL CHOCKS.

DO NOT WORK ON THE VEHICLE'S POWERTRAIN WHILE IT IS LOADED, AS UNEXPECTED VEHICLE MOVEMENT COULD RESULT IN SERIOUS INJURY OR DEATH.

BEFORE LEAVING THE VEHICLE OR PERFORMING MAINTENANCE, ALWAYS TURN OFF THE VEHICLE. IF ANY WIRES ARE REMOVED OR REPLACED, ENSURE THEY ARE PROPERLY ROUTED AND SECURELY CONNECTED.

FAILURE TO CORRECTLY ROUTE AND CONNECT WIRING MAY RESULT IN VEHICLE MALFUNCTION, PROPERTY DAMAGE, SERIOUS INJURY, OR DEATH.



CAUTION

WEAR SAFETY GLASSES OR APPROVED PROTECTIVE EYEWEAR WHEN SERVICING THE VEHICLE. WEAR RUBBER GLOVES WHEN WORKING NEAR THE BATTERY FOR ADDITIONAL PROTECTION.

VEHICLE MAINTENANCE

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ LIFT AND LOWER THE VEHICLE



WARNING

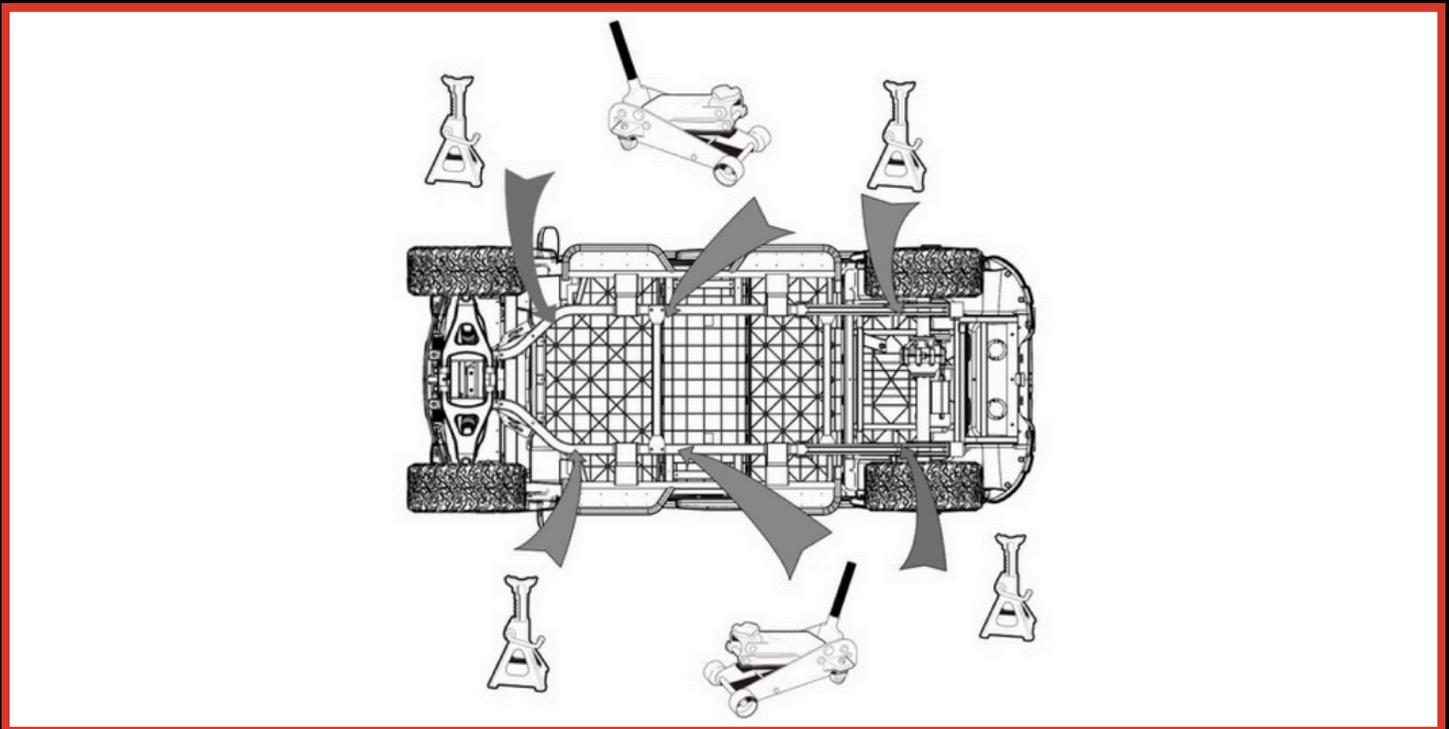
LIFTING AND LOWERING A LOADED VEHICLE MAY RESULT IN PROPERTY DAMAGE, SERIOUS INJURY, OR DEATH. BEFORE LIFTING THE VEHICLE, REMOVE ALL CARGO AND ENSURE NO PERSONNEL REMAIN INSIDE.

Steps For Lifting the Vehicle:

- ◆ Turn off the vehicle's key switch before lifting.
- ◆ Select a jack and jack stands rated for the vehicle.
- ◆ Engage the parking brake.
- ◆ Position the jack at the center of the lifting point.
- ◆ Lift the front or rear section of the vehicle.
- ◆ Place the jack stands under the frame rails.
- ◆ Lower the vehicle onto the jack stands.

Steps For Lowering the Vehicle:

- ◆ Turn off the vehicle's key switch before lowering.
- ◆ Select a jack and jack stands rated for the vehicle.
- ◆ Position the jack at the center of the lifting point.
- ◆ Lift the vehicle off the jack stands.
- ◆ Remove the jack stands from under the frame rails.
- ◆ Lower the vehicle to the ground.
- ◆ Remove the jack.



VEHICLE MAINTENANCE

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Vehicle Periodic Maintenance Schedule

Regular maintenance is required for optimal performance and safe operation of electric vehicles. Follow recommended procedures when performing scheduled maintenance.

1D-per day 1W-per week 1M-per month 1Q-per quarter 1Y-per year

Item	Description	1D	1W	1M	1Q	1Y
Battery	1. Check for damage that may have occurred on the battery surface.		v			
	2. Charge the battery.	v				
	3. Tighten the nuts on the lithium battery cables.	v				
	4. Tighten the nuts on the lithium battery terminals.		v			
	5. Check if the battery is overcharged.	v				
	6. Check the State of Health (SOH) of the battery.		v			
	7. Check if the battery is fully charged.	v				
	8. Clean the surface of the battery.		v			
Charger	9. Monitor the charging status and check if the charger plug becomes hot.	v				
	10. Clean the surface of the charger. Do not allow water to enter the charger.		v			
Motor and controller	11. Check if all terminals are properly tightened (power off).			v		
	12. Clean the surface of the controller.				v	
	13. Check if the solenoid valve is functioning properly and inspect the contact points.					v
	14. Check if water has entered the motor.	v				
	15. Check if all connections between the motor and controller are properly tightened.		v			
Chassis and body	16. Check if the accelerator pedal is functioning properly.	v				
	17. Check if the brake pedal is secure and can release freely.			v		
	18. Check if the brake drums and brake shoes need to be replaced.					
	19. Check the emergency brake function.			v		
	20. Check the fluid level in the brake fluid reservoir.			v		
	21. Check the tire pressure and tread condition.		v			
	22. Check if the shock absorbers are leaking.			v		
	23. Secure the axle bolts.			v		
	24. Check if there is oil in the rear axle gearbox.				v	
	25. Add grease to the front wheel hub and steering gearbox.				v	
	26. Adjust the front and rear suspension.				v	
	27. Clean the vehicle body and seats.	v				

NOTICE

The maintenance schedule must be performed more frequently on vehicles that are subjected to heavy use or severe operating conditions.

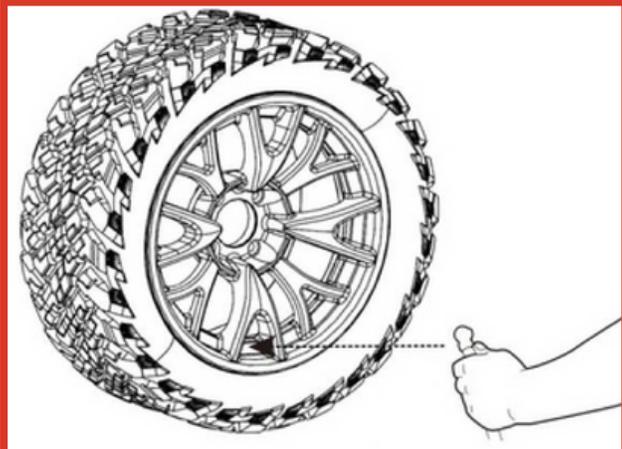
VEHICLE MAINTENANCE

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Chassis Maintenance



Check the tires before each use. Remove any embedded objects or metal debris from the tire surface. Embedded objects can cause excessive noise while driving or lead to air leaks.

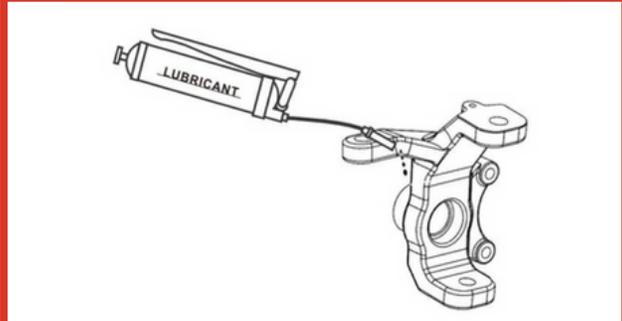


Before every use, inspect the tires to ensure they are properly inflated to the recommended pressure. Refer to the Tire Inflation section for specific details on maintaining the correct tire pressure.



DANGER

A LEAKING TIRE MAY CAUSE UNSTABLE STEERING WHILE DRIVING.



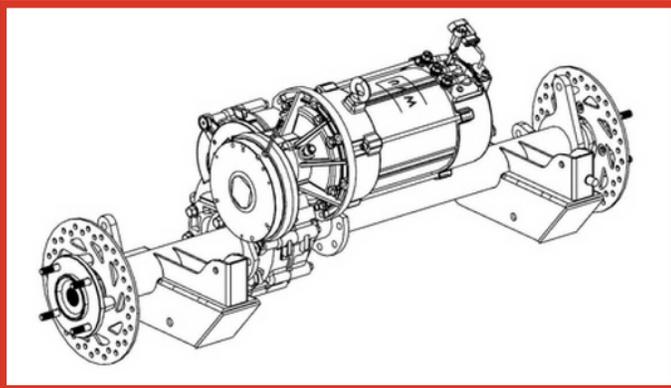
Add lubricant to the mechanical joint components to ensure smooth rotation and proper vehicle operation. Lubricate the necessary parts monthly to maintain optimal performance.



Inspect the steering gearbox dust cover. Ensure both ends are securely fastened. A loose cover can allow water and dust inside, causing rust and potential gearbox damage.

VEHICLE MAINTENANCE

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

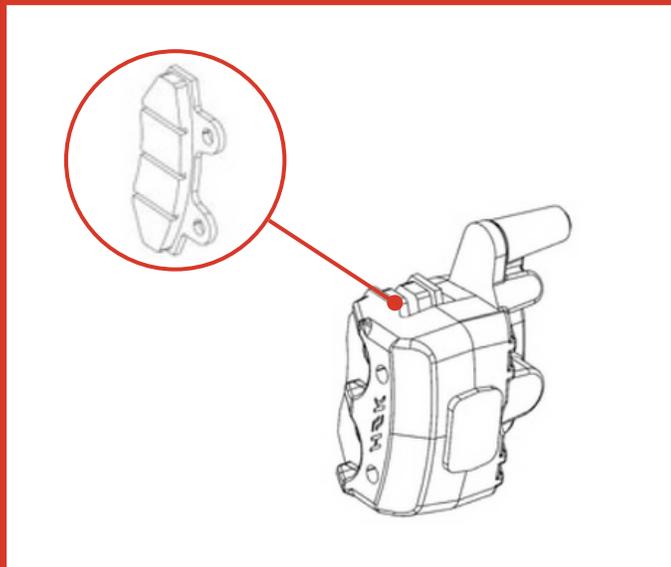


Check the gear oil level in the rear axle.



CAUTION

Low gear oil levels may cause rear axle cam damage or excessive noise.

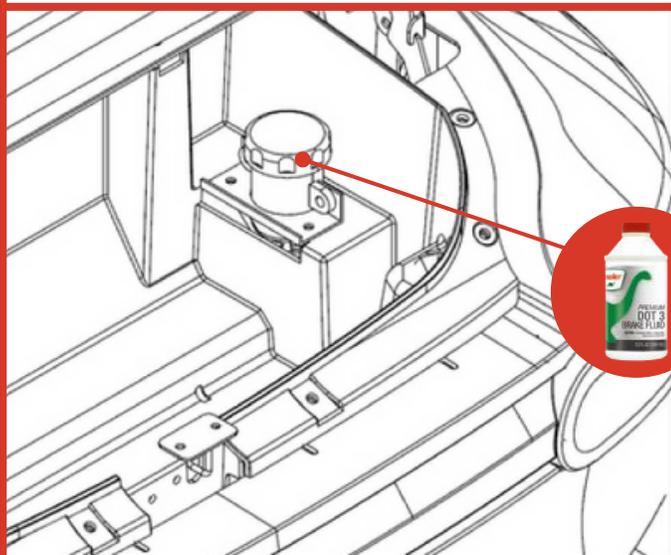


Inspect brake shoes for wear. Replace brake shoes if extremely worn down to 1/3 remaining thickness).



DANGER

DO NOT DRIVE A VEHICLE WITH FAULTY BRAKES.



Check the brake fluid level (located under the front left cup holder; remove the cup holder for access). Ensure the brake fluid is sufficient, clean, and free of contaminants.



DANGER

DO NOT DRIVE THE VEHICLE IF BRAKE FLUID LEVEL IS LOW.

VEHICLE MAINTENANCE

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Vehicle Maintenance



WARNING

MOISTURE CAN DAMAGE ELECTRICAL COMPONENTS. DO NOT USE A PRESSURE WASHER OR STEAM CLEANER TO CLEAN THE VEHICLE'S ELECTRICAL SYSTEM, AS THIS MAY CAUSE PERMANENT ELECTRICAL FAILURES.

Pre-Cleaning Steps

1. Move the vehicle to a stable surface.
2. Engage the parking brake.
3. Set the DNR switch to "N" (Neutral).

General Cleaning Guidelines:

- ◆ Use commercial automotive cleaners with a soft sponge or cloth.
- ◆ Rinse gently with water; avoid high-pressure cleaning.
- ◆ Remove oxidation or discoloration on aluminum surfaces using fine steel wool and aluminum-specific cleaners.
- ◆ Regularly apply non-abrasive wax to maintain the finish.

Immediate Removal:

- ◆ Quickly clean away fertilizer, asphalt, tar, paint, or chewing gum to prevent stains.

Component-Specific Instructions:

- ◆ **Brake Fluid:** Regularly inspect the brake fluid level (located under the front left cup holder, remove the cup holder to access). Ensure fluid is sufficient, clean, and uncontaminated. Never drive the vehicle with low brake fluid.
- ◆ **Windshield:** Clean gently using mild soap, water, and a microfiber cloth. Avoid glass cleaners or paper towels to prevent scratches.
- ◆ **Seats and Aluminum Surfaces:** For aluminum oxidation or discoloration, use aluminum-specific cleaner with fine steel wool.

Seat and Interior Care:

- ◆ Keep interiors clean using automotive-grade cleaners with soft cloths or sponges to maintain appearance and extend lifespan.

VEHICLE MAINTENANCE

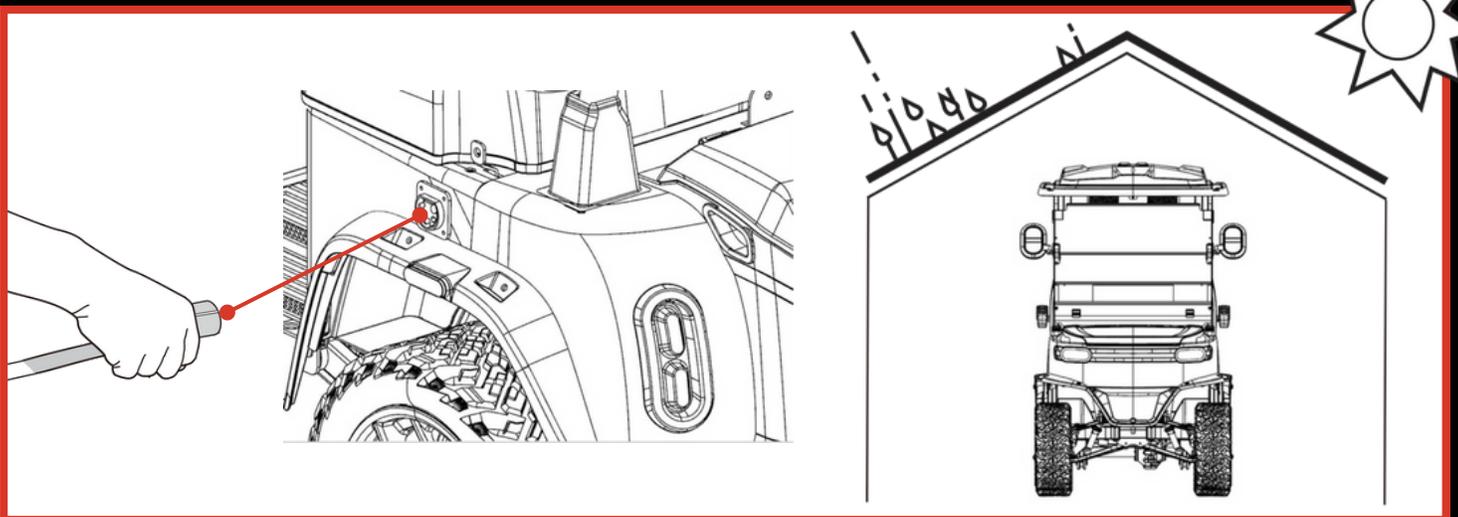
Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Pre-Storage Preparation

1. Park the golf cart in a cool, dry, well-ventilated area. Optimal storage temperature: 14°F to 95°F (-10°C to 35°C); never exceed 122°F (50°C).
2. Set the Forward/Reverse switch to Neutral and turn off the vehicle.
3. Switch off all accessories.
4. Clean the battery pack, terminals, and top with battery acid neutralizer (1 cup baking soda per gallon water). Inspect, clean, and protect terminals with battery terminal protector spray.
5. Disconnect and properly insulate the 48V main power cable to avoid electrical contact.
6. Reconnect battery cables every 1-3 months and fully charge the battery to prevent deep discharge damage.
7. Perform required lubrication every six months.
8. Thoroughly clean the front and rear body, seats, battery compartment, and vehicle under carriage.
9. Do not engage the parking brake; use wheel chocks or other restraints to prevent rolling.
10. Check tire pressure and inflate to recommended levels.

◆ Restoring the Vehicle from Storage

1. Fully charge the battery.
2. Set the Forward/Reverse (DNR) control to Neutral (N).
3. Adjust the tire pressure in each tire to the recommended level.
4. Have a trained technician lubricate the vehicle.
5. Perform a daily pre-operation safety inspection.
6. Conduct a vehicle performance check before use.



VEHICLE MAINTENANCE

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ Vehicle Transportation and Towing



WARNING

DO NOT RIDE OR ALLOW OTHERS TO RIDE IN A GOLF CART THAT IS BEING TOWED OR TRANSPORTED BY ANOTHER VEHICLE.

DO NOT REMAIN INSIDE THE GOLF CART WHILE IT IS BEING TOWED. WHEN MAKING SHARP TURNS, APPLY THE BRAKES TO CONTROL SPEED.

WHEN TOWING THE GOLF CART ON UNEVEN TERRAIN, THE BRAKES APPLY TO LIMIT SPEED.

TURN ON HAZARD LIGHTS IF THE VEHICLE IS EQUIPPED WITH THEM.

SECURE ALL LOOSE ITEMS, INCLUDING SEATS, GUARDS, AND OTHER DETACHABLE PARTS, BEFORE TOWING.

DO NOT TOW MULTIPLE GOLF CARTS IN A SERIES.

DO NOT TOW THE GOLF CART ON HIGHWAYS.

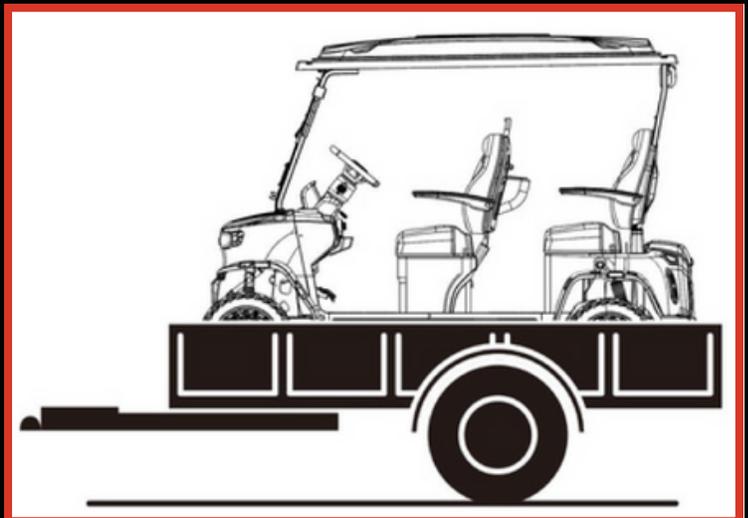
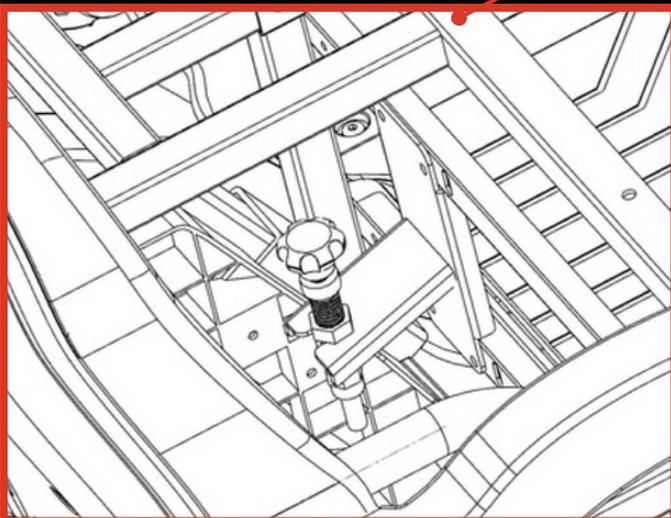
IF ANY ABNORMALITIES OCCUR, IMMEDIATELY STOP TOWING AND INSPECT THE VEHICLE.

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

IF THE VEHICLE MALFUNCTIONS AND CANNOT BE DRIVEN, MANUALLY RELEASE THE ELECTRONIC PARKING BRAKE TO ALLOW THE VEHICLE TO BE PUSHED.

WHEN TRANSPORTING THE VEHICLE TO A SERVICE CENTER, USE A FLATBED TRAILER AND SECURELY FASTEN THE VEHICLE TO ENSURE ALL FOUR WHEELS REMAIN STATIONARY DURING TRANSPORT. THIS ENSURES SAFE AND DAMAGE-FREE DELIVERY TO THE REPAIR LOCATION.

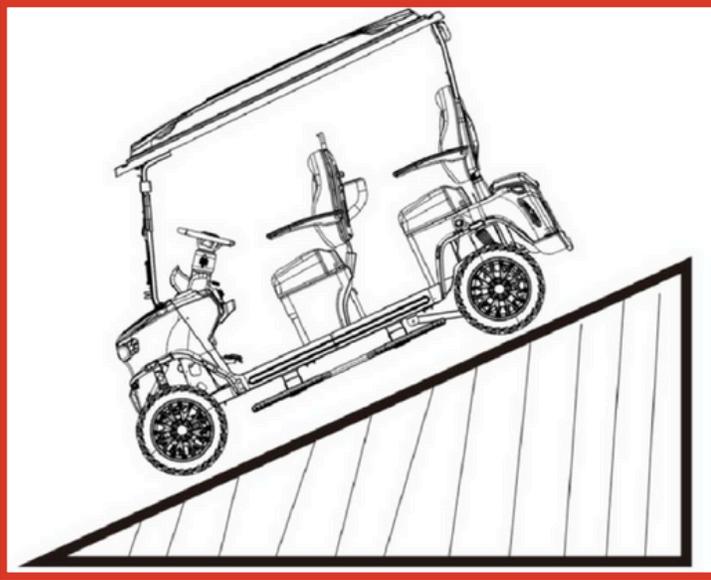
Electronic Parking Brake Manual Release Switch



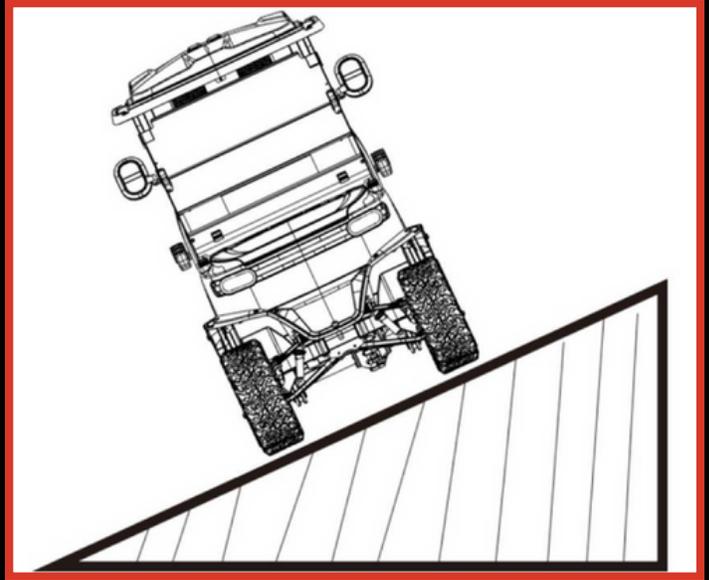
VEHICLE GENERAL SPECIFICATIONS

Warning: Fully familiarize yourself with the vehicle's features before attempting any operation.

◆ General Technical Conditions for Vehicles



Recommended Maximum Slope 25%



Recommended Max Side Tilt 25% Grade

Vehicle Turning Clearance Diameter





 **TEKO**

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