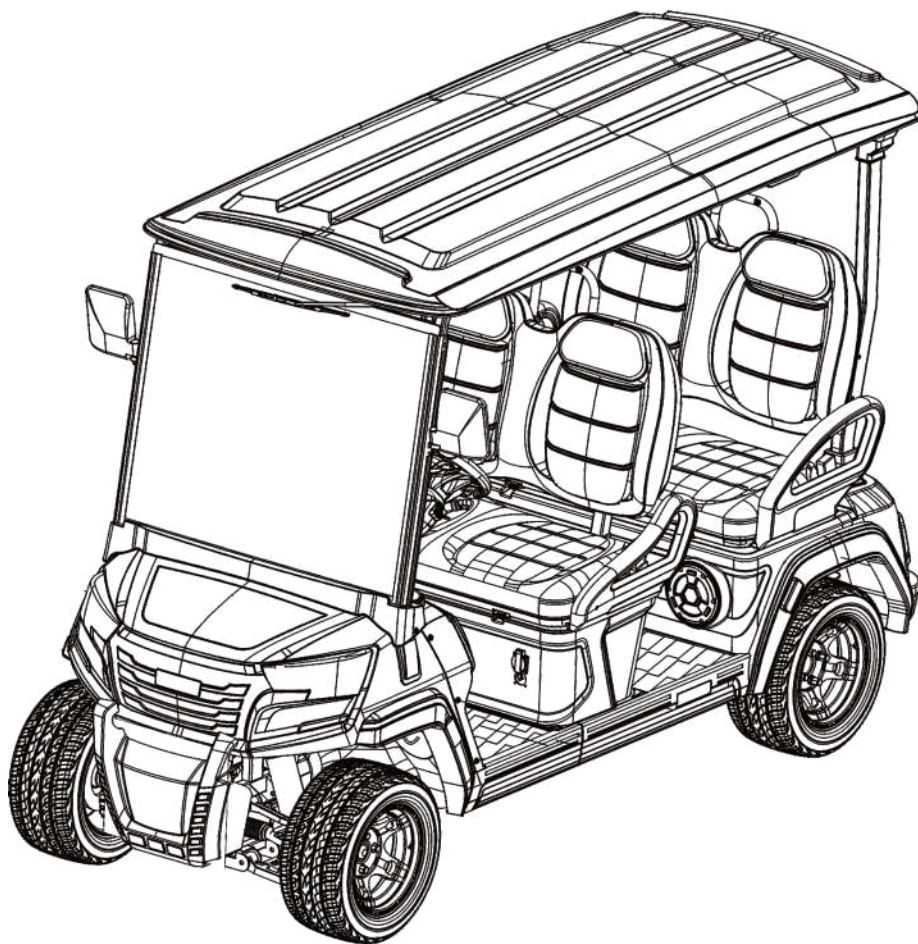


User's Manual Of 1.0 G-F4



THANK YOU!

Thank you for purchasing this vehicle. Before you drive the vehicle, please read this Owner's Guide. This guide contains maintenance and operation information. The illustrations can show items that are optional for your vehicle.

You can do most of the service procedures in this guide with common automotive hand tools. If necessary, contact your service representative for information about how to service the vehicle as shown in the Periodic Service Schedule.

Repair or replacement parts are available from dealer or Service Parts Department.

When you contact about service or parts for your vehicle, the information below is needed.

Vehicle Model: _____

PIN, VIN or Serial Number: _____

Read all of this manual to become thoroughly familiar with this vehicle. Particularly important information is emphasized in this manual.

The use of non Original Equipment Manufacturer (OEM) approved parts may void the warranty.

Tampering with or adjusting the governor to permit vehicle to operate at above factory specifications will void the vehicle warranty.

USER'S MANUAL OF ELECTRIC POWERED VEHICLES G-F4



1. This electric vehicle must be driven by a professionally trained driver!
2. The accelerator pedal and the brake pedal cannot be pressed at the same time, otherwise the control system will be damaged and the motor will burn out!
When the vehicle starts, the parking brake must be released. Otherwise, the brake system may cause permanent damage and damage other parts!
3. Vehicles are not allowed to be modified. Modifications may affect vehicle performance, vehicle life, and even affect vehicle safety and may violate regulations. Vehicle damage caused by vehicle modification is not within the scope of "Three Guarantees" policy!
4. Unreasonable installation of electrical equipment on the vehicle, such as alarm devices, car phones, etc., may interfere with the vehicle's control system electrical signals, affecting vehicle performance. When installing such equipment, you should consult our company!
5. Due to product improvements, the contents of this manual may differ from the actual situation!
6. This product is a dedicated motor vehicle in the specific area (factory) specified in the Special Equipment Safety Supervision Regulations! It is strictly forbidden to drive after drinking. It is strictly prohibited to overload!

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SAFETY INFORMATION

Observe these NOTICES, CAUTIONS, WARNINGS and DANGERS; be aware that servicing a vehicle requires mechanical skill and a regard for conditions that could be hazardous. Improper service or repair may damage the vehicle or render it unsafe.

Replace missing, damaged or unreadable safety decals immediately to prevent possible property damage, personal injury, or death. Purchase replacement safety decals from your dealer or distributor.

Know and understand the laws and regulations for vehicle operations in your area. For any questions on material contained in this manual, contact an authorized representative for clarification.

The components of the Save LIVES package are:

Safe vehicles play a critical role in averting crashes and reducing the likelihood of serious injury.

Speed management, Leadership, Infrastructure design, Vehicle safety standards, Enforcement of traffic laws and Survival after a crash.

IMPORTANT SAFETY INFORMATION



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.



DANGER

A DANGER label identifies hazardous situations which may cause death or serious injuries.



WARNING

A WARNING label identifies hazardous situations which may cause death or serious injuries.



CAUTION

A CAUTION label identifies hazardous situations which may cause minor or moderate injuries.

NOTICE

A NOTICE label identifies hazardous situations which may cause property damages.

SAFETY INFORMATION

Read all the safety statements carefully before attempting any procedure.



OPERATOR WARNING DECAL



PINCH POINTS WARNING DECAL



WINDSHIELD WARNING DECAL(L)



WINDSHIELD WARNING DECAL(R)



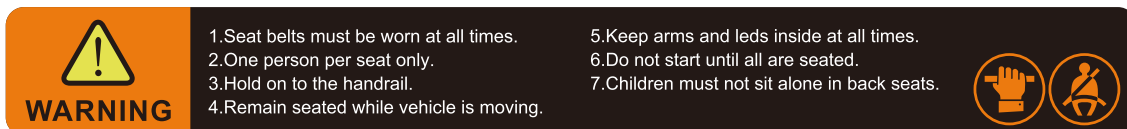
HIGH-VOLTAGE SERVICE WARNING LABEL



CHARGING STAND WARNING DECAL

SAFETY INFORMATION

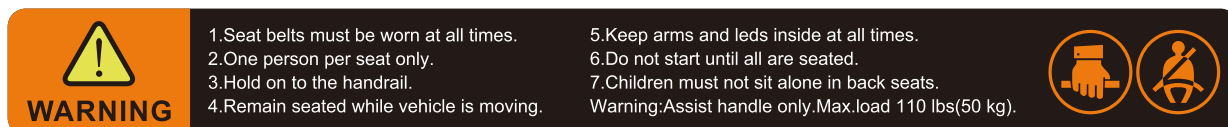
Read all the safety statements carefully before attempting any procedure.



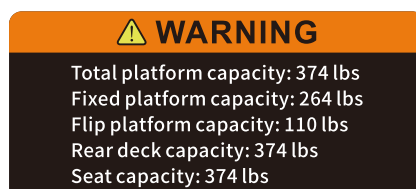
REAR SEAT OCCUPANT WARNING DECAL



ASSIST HANDLE - LOAD CAPACITY WARNING LABEL



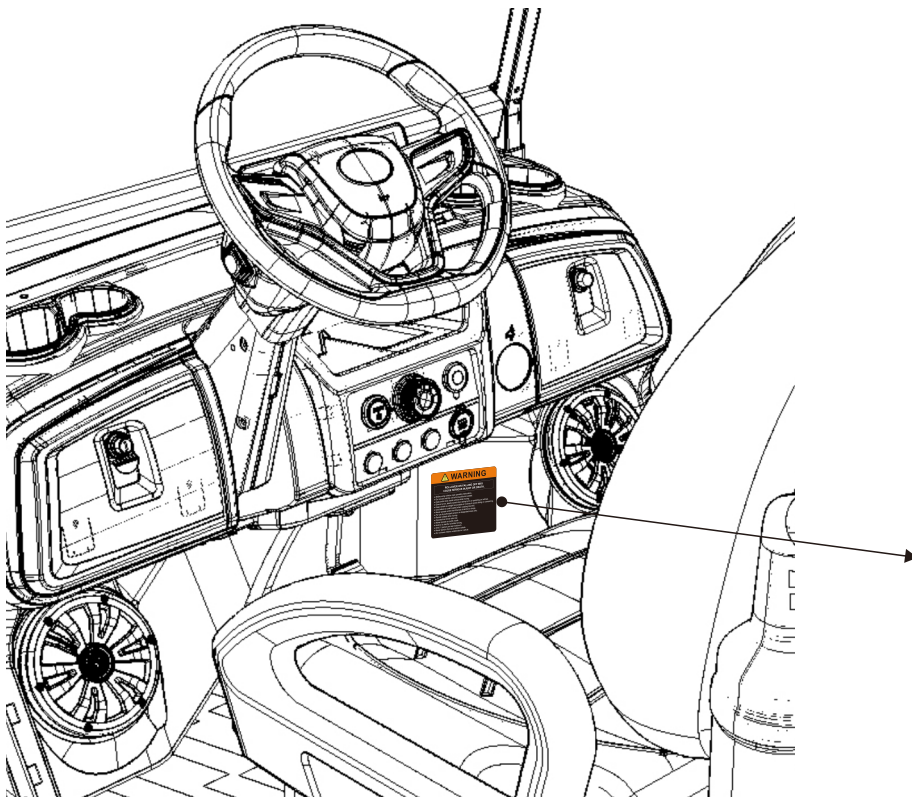
PASSENGER SAFETY INSTRUCTIONS WITH HANDRAIL SPECIFICATION DECAL



LOAD RATING LABEL/DECAL

SAFETY INFORMATION

Read all the safety statements carefully before attempting any procedure.



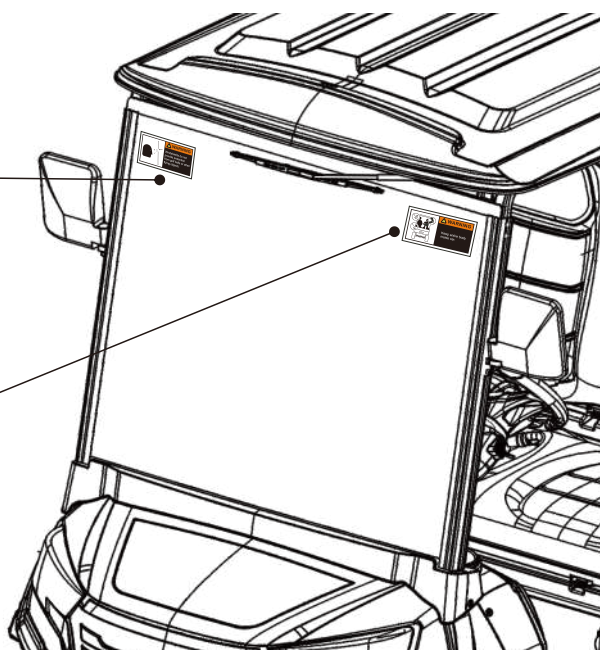
OPERATOR WARNING DECAL



WINDSHIELD WARNING DECAL(L)



WINDSHIELD WARNING DECAL(R)



SAFETY INFORMATION

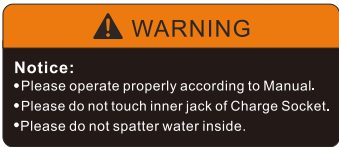
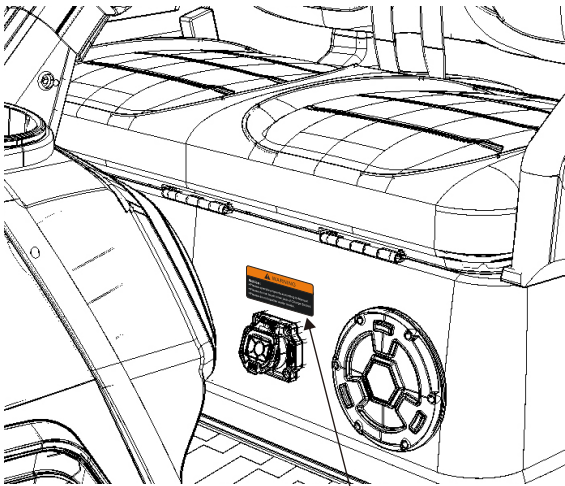
Read all the safety statements carefully before attempting any procedure.



PINCH POINTS WARNING DECAL



HIGH-VOLTAGE SERVICE WARNING LABEL



CHARGING STAND WARNING DECAL

SAFETY INFORMATION

Read all the safety statements carefully before attempting any procedure.

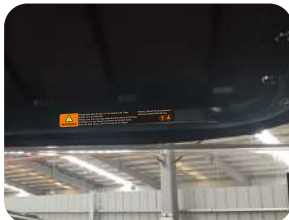
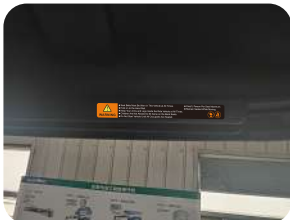
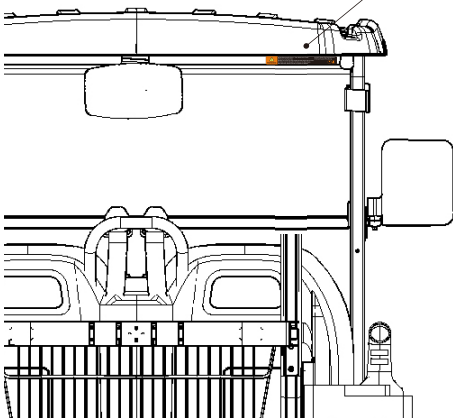


WARNING

1. Seat belts must be worn at all times.
2. One person per seat only.
3. Hold on to the handrail.
4. Remain seated while vehicle is moving.
5. Keep arms and legs inside at all times.
6. Do not start until all are seated.
7. Children must not sit alone in back seats.




REAR SEAT OCCUPANT WARNING DECAL





WARNING

This is as assist handle only,max 110 lbs!

ASSIST HANDLE - LOAD CAPACITY WARNING LABEL

SAFETY INFORMATION

Read all the safety statements carefully before attempting any procedure.



WARNING

1. Seat belts must be worn at all times.
 2. One person per seat only.
 3. Hold on to the handrail.
 4. Remain seated while vehicle is moving.
 5. Keep arms and legs inside at all times.
 6. Do not start until all are seated.
 7. Children must not sit alone in back seats.
- Warning: Assist handle only. Max. load 110 lbs (50 kg).



PASSENGER SAFETY INSTRUCTIONS WITH HANDRAIL SPECIFICATION DECAL



WARNING

Total platform capacity: 374 lbs
Fixed platform capacity: 264 lbs
Flip platform capacity: 110 lbs
Rear deck capacity: 374 lbs
Seat capacity: 374 lbs

LOAD RATING LABEL/DECAL



SAFETY INFORMATION

Read all the safety statements carefully before attempting any procedure.

BATTERY SAFETY INFORMATION

Safety and warning labels are on the lithium battery for your protection. Read and comply with the instructions on the labels for avoiding the potential risks or injuries. If any labels shown below is damaged, comes off or becomes illegible, contact your Marshall dealers for replacements.



While working on a li-ion battery wear protective eyeglasses and clothing



Explosion and fire hazard. The terminals of a li-ion battery are always live, therefore do not place metallic items or tools on top of a li-ion battery. Avoid short circuits.



Explosion and fire hazard. The terminals of a li-ion battery are always live, therefore do not place metallic items or tools on top of a li-ion battery. Avoid short circuits.



Batteries must not be mixed with domestic or industrial waste .



Do not open or dismantle the battery. Electrolyte is very corrosive. If the battery casing is damaged do not touch the exposed electrolyte or powder because it is corrosive.



Do not touch any electrical components without any insulation protection.



Batteries marked with the recycling symbol must be processed via a recognized recycling agency.



Observe these instructions and keep them located near the battery for future. Read, understand and comply with all warning and instructions.

SAFETY INFORMATION

Read all the safety statements carefully before attempting any procedure.

LITHIUM-ION BATTERY DISPOSAL



- Lithium -ion batteries are recyclable.
- Lithium-ion batteries must be collected and recycled separately from other waste.
- Do not discard lithium-ion batteries as municipal waste.
- Speak with your dealer or distributor on returning or recycling used or damaged battery packs.
- Contact local or state environmental department for disposal information.



WARNING

Failure to operate the vehicles as instructed can cause collision, loss of control or roll over, resulting in severe injury or death. Follow all safety warnings or labels in this owner manual. All operator must read, understand and comply with these warnings and labels before operating the vehicles. Follow the safety information and operating procedures described.

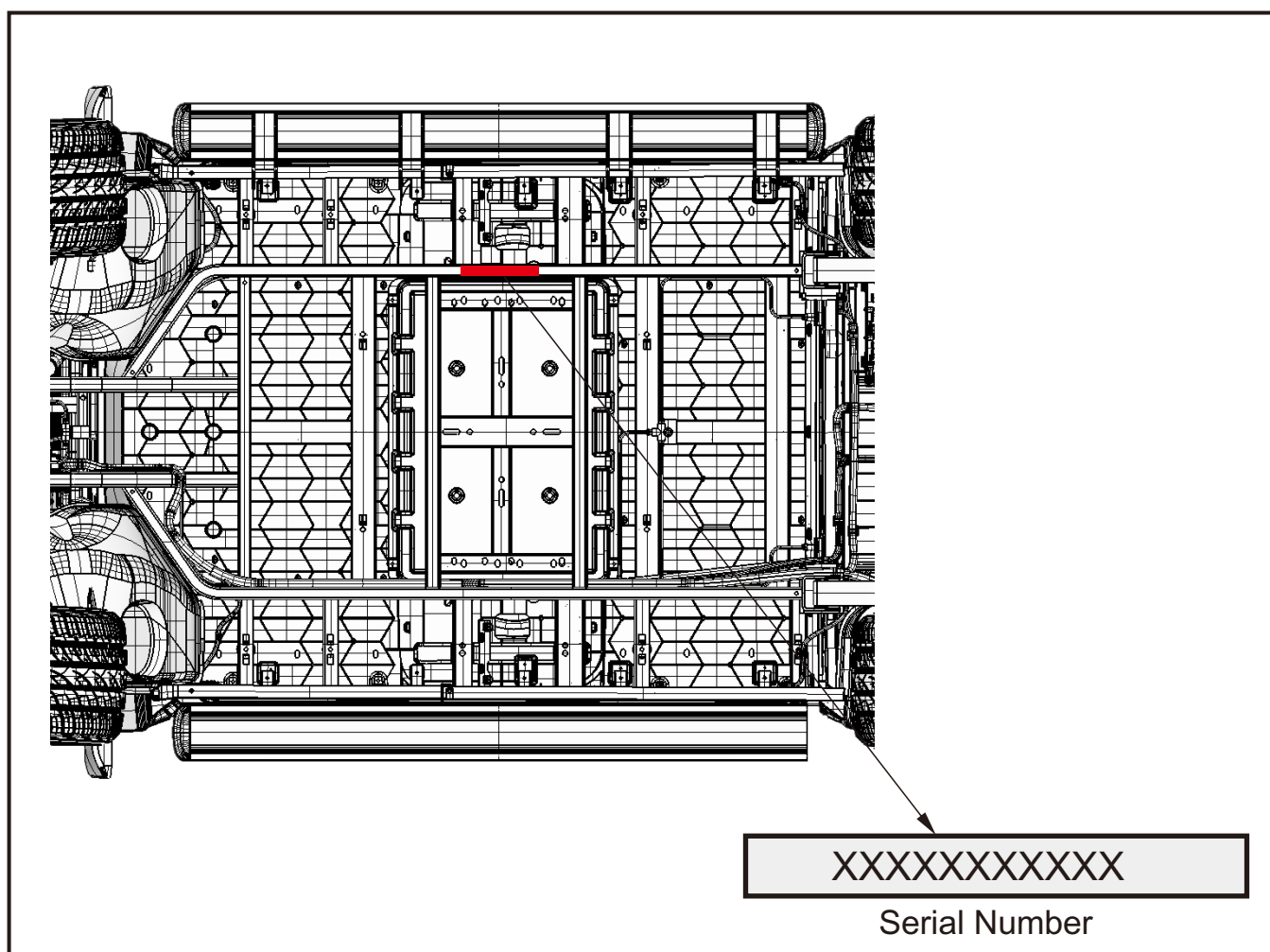
- Operate your vehicle responsibly to prevent dangerous conditions for the operator, passengers and other people in the area of operation
- Operate your vehicle responsibly and keep the vehicle in safe condition of operation
- The driver must keep both hands on the steering wheel and both feet on the floor or pedals.
- Inspect the vehicle before each use to make sure it is in safe operating condition. Perform the daily inspection described in this manual.
- Always have the vehicle checked by an authorized dealer if it is involved in an accident.
- Remove the key when the vehicle is not in use to prevent accidental starting or unauthorized use.
- Drive the vehicle at appropriate speeds for the terrain and conditions. Be aware of environmental conditions that change the terrain and your ability to control the vehicle.
- Do not drive on excessively steep hills. Evaluate the terrain before descending a hill. Drive slowly and deliberately. Use the brake to limit speed and maintain control. Sudden braking or turning can cause loss of vehicle control. Drive straight up or down the hill; do not drive across the hill.
- Operate only in approved areas. Follow all applicable safety rules for the area.

VEHICLE SERIAL NUMBERS

Be familiar with vehicle features before attempting any operations.

VEHICLE SERIAL NUMBERS

All vehicles have serial numbers on the left side of the chassis frame. The first four numbers are the manufacturing year of the vehicle, the other five numbers are the vehicle's serial number given by MARSHELL Electric Vehicles. All the vehicles are documented. After the vehicles are sold out of the factory, MARSHELL corporation will track the vehicles by using the vehicle's serial number as identity. Serial numbers are warranty insurance from MARSHELL corporation. Customers should be aware of the importance of vehicle serial numbers.



Design changes occur on a continuous basis. In order to get the correct components for Vehicles, the correct serial number and vehicle model must be supplied. The warranty might become invalid due to missing serial numbers .

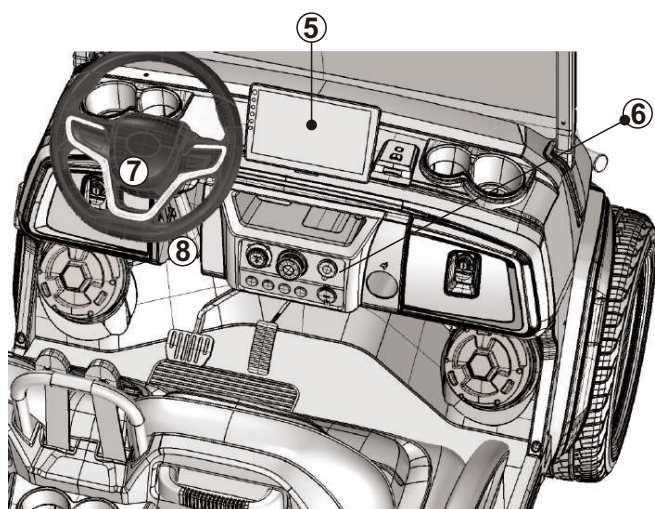
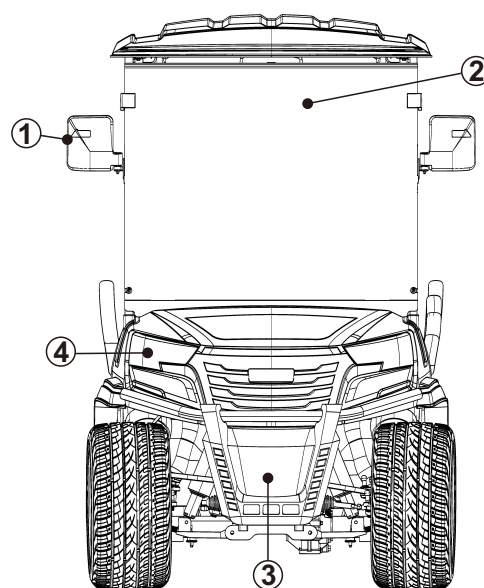
Please contact dealer and provide the adequate purchase documents for warranty and get a new serial number plate as soon as possible.

VEHICLE FEATURES

Be familiar with vehicle features before attempting any operations.

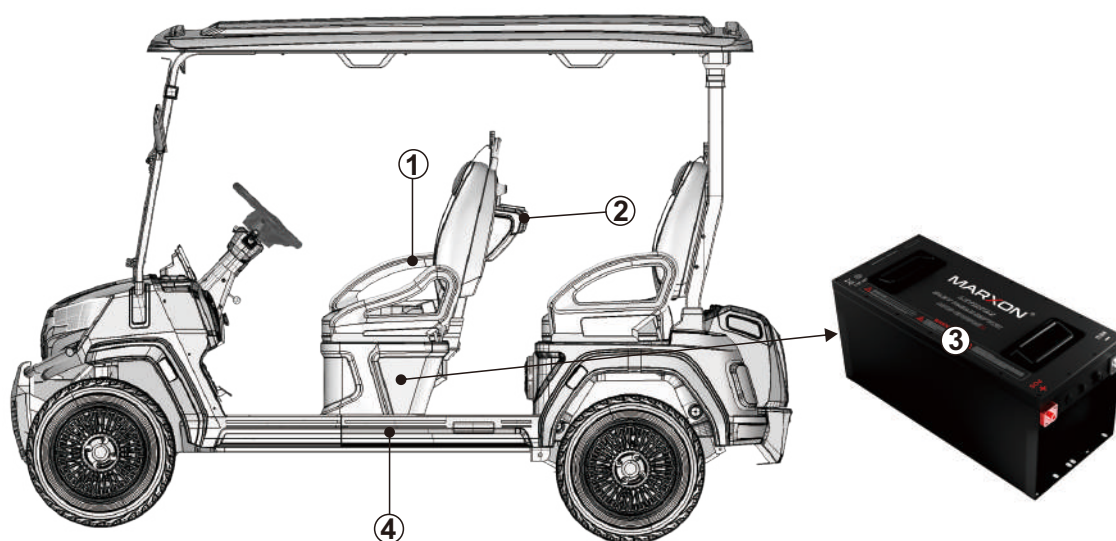
- This model is a forward-facing four-seater with a standard floor-to-ground clearance: 485mm (using 23*10.5-14 street tires).
For non-lifted configurations, it uses 20*9-12 tires with a floor-to-ground clearance:440mm.
If customers require further lowering, we can achieve a floor-to-ground clearance at: 400mm with the current 20*9-12 tire configuration by adjusting the spindle mounting holes and rear leaf spring mounting holes. This adjustment is recommended to be performed by a dealer.
- The entire body cover is manufactured using injection molding technology, with six standard color options.
- It features four-wheel disc brakes with electromagnetic parking brake.
- Equipped with Frunk, with ambient lighting on the roof, dashboard ambient lighting, side panel ambient lighting and logo lighting.

- ① REAR VIEW MIRRORS WITH TURN SIGNAL INDICATORS
- ② INTEGRATED WINDSCREEN
- ③ FRONT GUARD
- ④ HEADLIGHTS

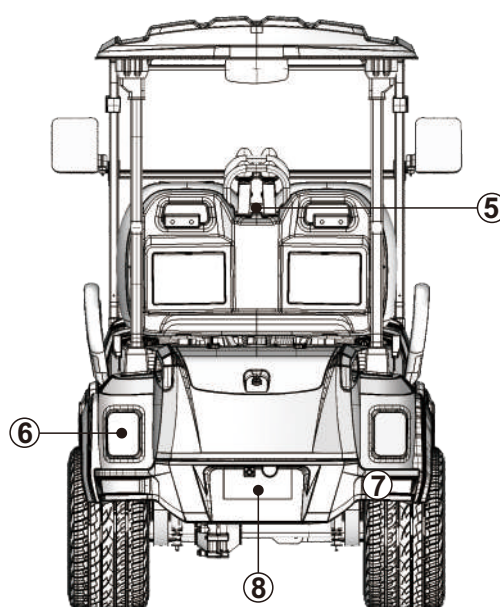


- ⑤ 10.1 INCH MULTI-FUNCTIONAL TOUCHSCREEN
- ⑥ MULTI-FUNCTIONAL DASHBOARD
- ⑦ AUTOMOTIVE STYLE STEERING WHEEL
- ⑧ ADJUSTABLE STEERING COLUMN IN TILTING ANGLE

VEHICLE FEATURES

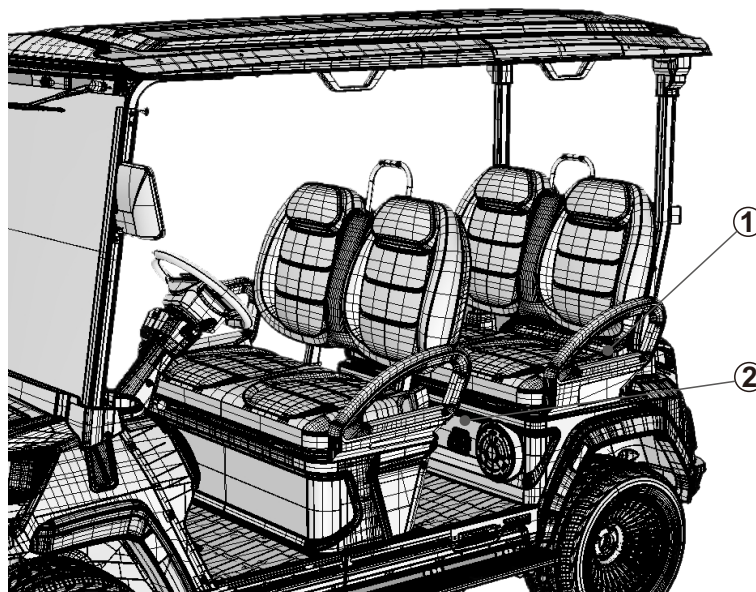


- ① LUXURY SEAT WITH ARMREST
- ② REAR SEAT CUP HOLDERS, USB PORTS AND STORAGE POCKET
- ③ LITHIUM BATTERY PACK
- ④ AUTOMOTIVE E-COAT CHASSIS

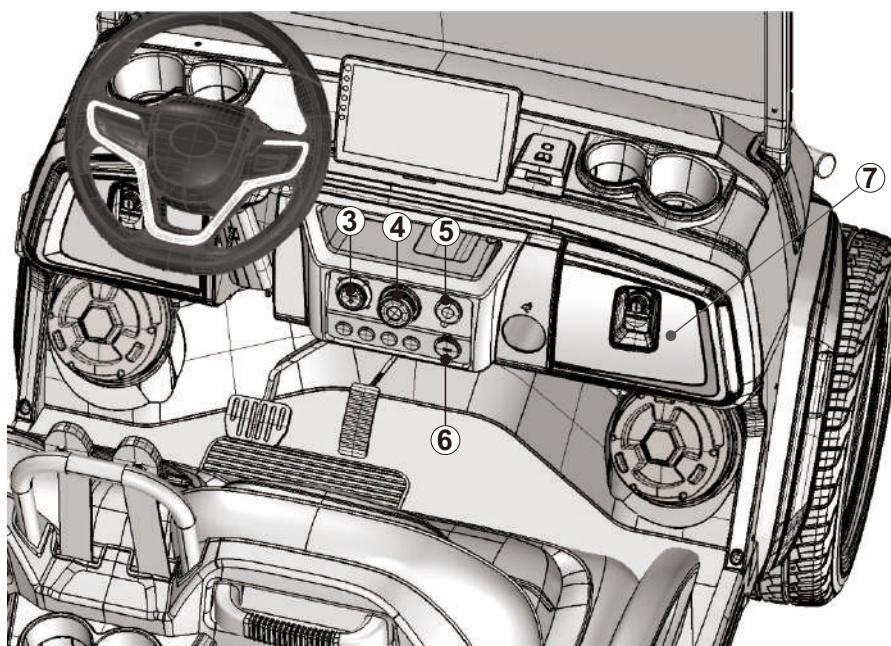


- ⑤ GOLF BAG HOLDER(OPTIONAL)
- ⑥ TAILLIGHTS
- ⑦ AUTOMOTIVE STYLE REAR BUMPER
- ⑧ BACKUP CAMERA

VEHICLE FEATURES



- ① 3-POINT SEAT BELTS FOR EACH SEATS
- ② 25A ON-BOARD FAST CHARGER



- ③ POWER BUTTON
- ④ DIRECTION SWITCH
- ⑤ USB PORT
- ⑥ USB PORT
- ⑦ GLOVE BOX WITH LOCKS

OPERATION AND CONTROLS

Be familiar with vehicle features before attempting any operations.



DANGER

OPERATING THE VEHICLE WHILE OCCUPANTS ARE NOT FULLY SEATED CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH. START THE VEHICLE ONLY WHEN ALL OCCUPANTS ARE FULLY SEATED. FALLING OBJECTS CAN CAUSE PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH. DO NOT OPERATE THE VEHICLE WHERE THERE IS A RISK OF FALLING OBJECTS. DO NOT LET A PASSENGER HOLD A CHILD ON THEIR LAP WHILE THE VEHICLE IS IN OPERATION. DO NOT LET PASSENGERS RIDE IN THE VEHICLE OR TRAILER BEING TOWED.



WARNING

KEEP AWAY FROM DROP-OFFS, STEEP SLOPES, AND UNSTABLE SURFACES. SUDDEN STARTS, STOPS, AND TURNS CAN CAUSE PROPERTY DAMAGE AND SERIOUS PERSONAL INJURY. PREVENT SUDDEN STARTS, STOPS, AND TURNS. FAILURE TO CORRECTLY MAINTAIN THE VEHICLE AND MAKE NECESSARY REPAIRS CAN DECREASE VEHICLE PERFORMANCE, CAUSE A FIRE, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH. IF PROBLEMS ARE FOUND DURING SCHEDULED INSPECTION OR SERVICE, OPERATE THE VEHICLE ONLY WHEN REPAIRS ARE MADE. MAKE SURE THAT ALL PASSENGERS CAN SECURE THEMSELVES IN THE VEHICLE BEFORE VEHICLE OPERATION. TO PREVENT SERIOUS PERSONAL INJURY, KEEP ENTIRE BODY IN THE VEHICLE DURING OPERATION. THE VEHICLE IS NOT SPECIALLY EQUIPPED FOR HANDICAPPED PERSONS. BEFORE VEHICLE OPERATION, MAKE SURE THAT ALL PERSONS COMPLY WITH THE WARNINGS AND OPERATING INSTRUCTIONS. INCORRECT OPERATION OF THE VEHICLE CAN CAUSE DECREASED VEHICLE PERFORMANCE, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH. TO PREVENT FALLS FROM THE VEHICLE, PASSENGERS MUST STAY SEATED AND ALWAYS HOLD ON TO HAND HOLDS OR HANDRAILS WHEN THE VEHICLE IS IN OPERATION. THE DRIVER MUST KEEP BOTH HANDS ON THE STEERING WHEEL WHEN THE VEHICLE IS IN OPERATION. A SHARP TURN AT HIGH SPEEDS CAN CAUSE A ROLL-OVER, FALL, PROPERTY DAMAGE, AND SERIOUS PERSONAL INJURY. OPERATE THE VEHICLE SLOWLY IN TURNS. UNINTENDED VEHICLE OPERATION CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH. BEFORE LEAVING THE VEHICLE OR DURING VEHICLE MAINTENANCE, DISABLE THE VEHICLE. THE VEHICLE IS NOT DESIGNED TO MEET CHILD SAFETY SEAT COMPATIBILITY REQUIREMENTS. CHILDREN REQUIRING A CHILD SAFETY SEAT MUST NOT RIDE ON THE VEHICLE. COMPLY WITH STATE AND LOCAL LAWS PERTAINING TO CHILD SAFETY.



CAUTION

OPERATE THE VEHICLE ONLY FROM THE DRIVERS SEAT. OPERATE THE VEHICLE ONLY IN SPECIFIED AREAS. ONLY AN AUTHORIZED LICENSED DRIVER CAN OPERATE THE VEHICLE. ONLY OPERATE THE VEHICLE IN COMPLIANCE WITH LOCAL AND STATE LAWS. USE CAUTION WHEN OPERATING THE VEHICLE IN THE PRESENCE OF HIGHER-SPEED VEHICLES, IN CONGESTED AREAS, OR ON UNIMPROVED SURFACES.

OPERATION AND CONTROLS

Be familiar with vehicle features before attempting any operations.

PRE-OPERATION SAFETY AND PERFORMANCE INSPECTION

Use the pre-operation checklist to inspect the operational conditions and performance of the vehicle. If bad operational conditions are found on a vehicle, stop operations. Removal from operation can prevent Further damages to the vehicle or serious injuries . If the vehicle is not in an operate-able condition, inquire your dealer for maintenance or repairs.

PRE-OPERATION CHECKLIST

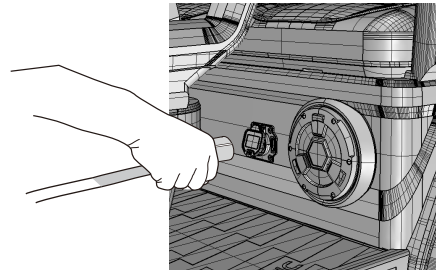
INSPECTION ITEMS	INSPECTION PROCEDURES
BATTERY	Before initiate using vehicle, the batteries should be fully charged, Replace the bad/broken/damaged parts during inspection.
BRAKE	Check the brake pedal , when stepped it should be flexible and feels firm. And it returns to its original position with flexibility when released.
ACCELERATOR PEDAL	Check the accelerator pedal ,when stepped and released it should return to its original position with full flexibility.
TIRES	Check the tires' pressure, pressure is around 20psi. Check tires surface, remove any embedded objects you can find. Be sure no cracks or other damages to the tires ,defective tires may cause accident while driving.
STEERING	Pull the steering wheel up and down ,check the tightness of steering wheel .Rotate the steering wheel right and left. Be sure no excessive free play and rattling sound .
REVERSER WARNING BEEPER	Check the reverse beeper, when the direction selecting switch be set at "REV", it should beep soundly.
LIGHTS	Check the signal lights, the brake lights and turning lights should be in proper working condition.

OPERATION AND CONTROLS

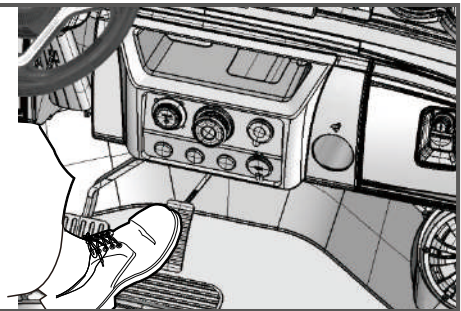
Be familiar with vehicle features before attempting any operations.

PRE-OPERATION SAFETY AND PERFORMANCE INSPECTION

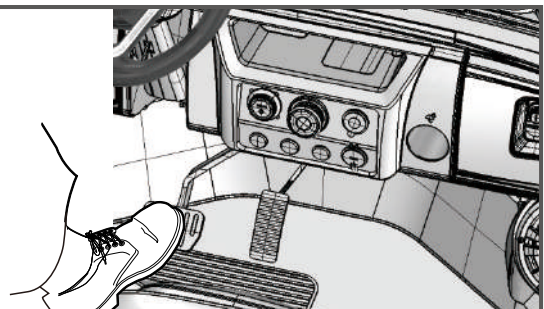
Before initiate using vehicle, the batteries should be fully charged.



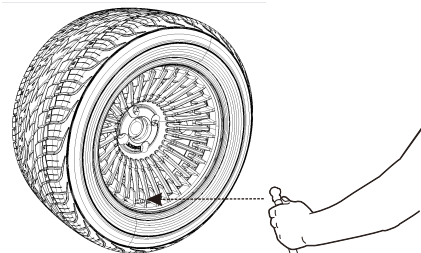
Check the accelerator pedal ,when stepped and released it should returns to its original position with full flexibility.



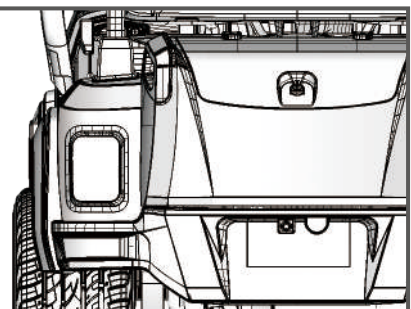
Check the brake pedal , when stepped it should be flexible and feels firm . And it returns to its original position with flexibility when released.



Check the tires' pressure, it should be inflated until the internal pressure is around 30PSI



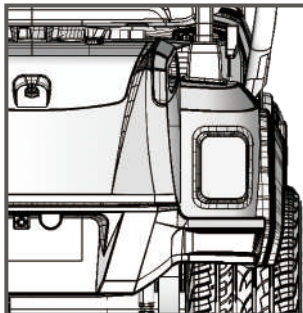
Check the signal lights, the brake lights and turning lights should be in proper working condition.



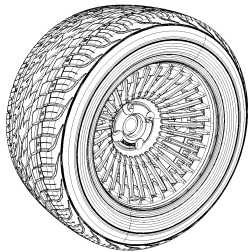
OPERATION AND CONTROLS

Be familiar with vehicle features before attempting any operations.

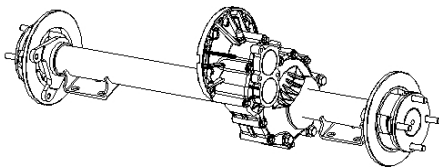
PRE-OPERATION SAFETY AND PERFORMANCE INSPECTION



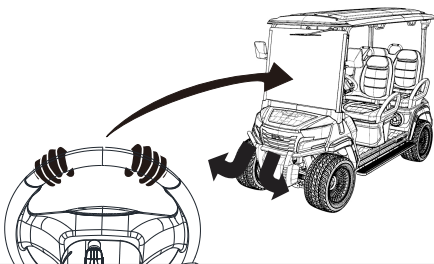
Check the reverse beeper , when the direction selecting switch be set at “REV”, it should beep soundly.



Check the tires' surface , remove any embedded objects you can find. Be sure no cracks or other damages to the tires , defective tires may cause accident while driving.



Check the lubricant capacity the rear axle contains, use a cleaned stick , stick it into the rear axle and reach the bottom , pull it out check the depth. The amount of oil should be around 0.8L.



Pull the steering wheel up and down, check the tightness of steering wheel. Rotate the steering wheel right and left. Be sure no excessive free play or rattling sound.

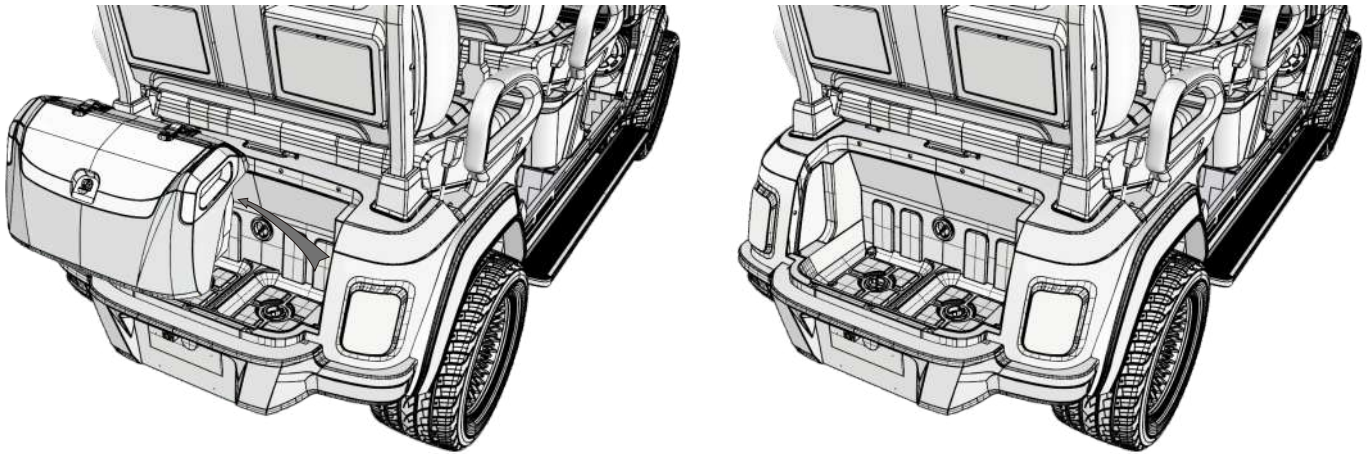


Check the tightness of the battery cables, make sure all the nuts are solidly tight. Loose nuts on the battery will cause sparks while operating.

OPERATION AND CONTROLS

Be familiar with vehicle features before attempting any operations.

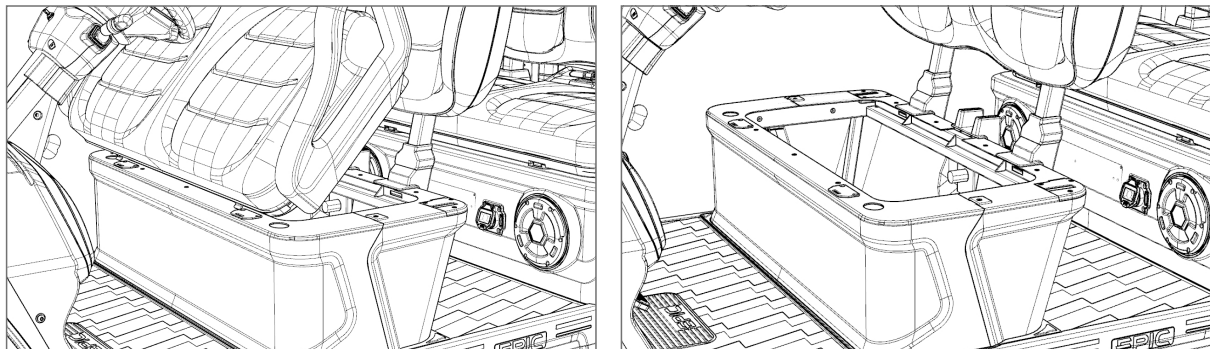
REMOVE THE STORAGE BOX



How to Properly Remove and Install the Rear Trunk

1. Locate the three rotary latches inside the trunk.
2. Turn each latch 90 degrees to release the trunk.
3. Move the trunk as needed.
4. To secure the rear trunk back to its original position, reverse the above steps.

REMOVING AND REINSTALLING THE SEAT:



1. Locate the two hinges at the front of the seat.
2. To remove the seat:
 - Lift the seat from the rear, as the front is secured by hinges.
 - Lift the seat to a certain angle.
 - Slowly pull the seat upwards to separate the male and female ends of the hinges.
 - Note: This action can be done by one person if they have enough strength. If not, it is recommended to have two people to avoid scratching the seat bucket.
3. To reinstall the seat:
 - Align the hinges first.
 - Insert the hinges back in place.
 - Ensure the seat is properly installed and test it after installation.

Be familiar with vehicle features before attempting any operations.

10.1 inches Speedometer

This product is a 10.1-inch multimedia speedometer for vehicles, featuring dynamic data display and multimedia playback capabilities.

The speedometer uses the CAN bus to communicate directly with the controller and the Battery Management System (BMS). It can also collect and control data from peripheral equipment, displaying it on the screen after comprehensive calculations.

It features full-screen touch control, with blue backlit buttons on the left side for quick operation.

The external USB port supports multimedia playback and various audio and video formats, such as MP3, MP4, MKV, and AVI files.

Bluetooth connectivity allows for music playback and phone call answering via a mobile phone.

The integrated FM radio module, using the included external antenna, can automatically search for radio stations and store up to 40 presets.

Security Information

1. Ensure the electrical wiring strictly follows the wiring diagram, paying special attention to the polarity and verifying the voltage of the electrical system.
2. If the fault alarm indicator on the speedometer lights up, stop immediately and check the issue.
3. Do not use the multimedia system while driving.
4. Avoid working with live electricity during disassembly to prevent damage to the speedometer and other components.

Home page



TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

Home page function instructions:



1. 18 Volume Icon: Displays the real-time volume level.
2. USB Display: The USB icon will not be displayed if no USB is inserted; it will be displayed when a USB is inserted .
3. Bluetooth Icon: The icon is gray when not connected and blue when connected.
4. Brightness Adjustment: Can switch between full brightness and half brightness .
5. Return Key: Press this in other interfaces to gradually return to the home page.
6. Lithium Battery Status: The icon will be highlighted when in lithium battery status. Clicking this icon will display relevant lithium battery information. The icon will turn red if there is a lithium battery fault.
7. Left Turn Indicator: Flashes when the left turn signal or hazard lights are on.

Be familiar with vehicle features before attempting any operations.

8.  High Beam Indicator: Displays when the high beams are on (optional feature, not used in some vehicles).
9.  Low Beam Indicator: Displays when the low beams are on (optional feature, not used in some vehicles).
10.  Fault Indicator Light: Lights up when there is a vehicle fault. Clicking the icon will display specific fault information.
11.  READY Indicator Light: Lights up when the vehicle is fault-free and turns off when there is a fault or the vehicle speed exceeds 2 KM/H.
12.  Small light indication is displayed when the small light is turned on (optional function, some vehicles do not use this function)
13.  Right Turn Indicator: Flashes when the right turn signal or hazard lights are on.
14.  Brake Fault Indicator: Lights up when there is no oil in the reservoir (optional feature, not used in some vehicles).
15. Gear Indicator: Displays  Gear Indicator: Displays  when in drive; displays  or enters the reverse camera interface when in reverse; displays  when in Sports gear.
16. Speed Dynamic Bar: Dynamically displays according to speed changes.
17. Speed Value Display: Displays the real-time speed value.
18. Voltage Dynamic Bar: Dynamically displays according to voltage changes.
19. Voltage Value Display: Displays the real-time voltage value.
20.  Parking Indicator: Displays when the foot parking brake is engaged (optional feature, not used in some vehicles).
21.  100 % Battery Level Indicator: Turns yellow when the battery level is $\leq 20\%$; turns red when the battery level is $\leq 10\%$.
22.  120 A Current Indicator: Displays the real-time current value.
23. Charging Prompt: Does not display when the battery level is $>20\%$; lights up when the battery level is $\leq 20\%$  ; lights up and flashes when the battery level is $\leq 10\%$,  indicating urgent need for charging.
24.  TRIP 8888.8 km Trip Odometer Display.
25.  ODO 888888 km Total Odometer Display.

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

Button definitions:

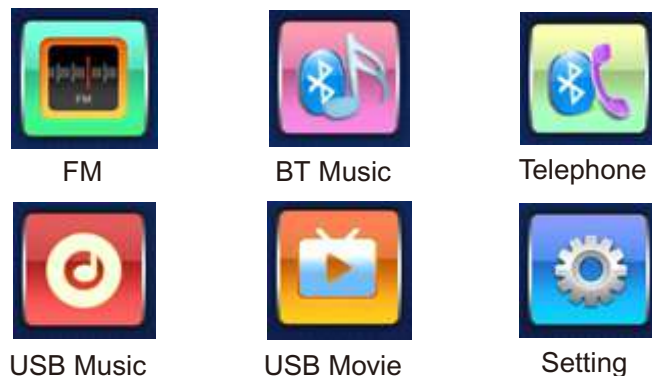


1. Mute button: Press this button, the  mute icon will be displayed in the volume area. At this time, the speedo is in mute state. Press the increase or decrease volume icon to release the mute mode.
2. Home key: Press this button in other interfaces such as radio, Bluetooth, settings, etc. to directly return to the home page, such as playing radio, music, and Bluetooth. Pressing this button supports background playback.
3. Backspace: Press this when in other interfaces, and it will gradually return to the home page.
4. Volume+: Press this to increase the volume. The maximum volume is 30
5. Volume-: Press this to reduce the volume. The minimum volume is 0

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

Multimedia



• Radio



Radio Search: After clicking the search icon , the instrument will automatically search for radio stations from 87.5 to 108.0 and store the frequencies locally for easy access and management by the user. Up to 40 radio stations can be stored and displayed in the radio area, with 6 stations per page.

Radio Selection: These two buttons can be used to select the previous or next page of preset radio stations.  

Frequency Display: Displays the selected frequency in real-time.

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

- **Bluetooth music**



Bluetooth Icon: Turns blue when connected, and gray when not connected.

Pause/Play: Click here to play or pause the phone's Bluetooth music.

Previous Track:

Click here to play the previous track on the phone.

Next Track:

Click here to play the next track on the phone.

Connected Device:

When the phone's Bluetooth is successfully connected to the speedometer, the name of the connected device, such as "iPhone," will be displayed here. This name could be the device model or a custom name set by the phone.

Bluetooth Name: The Bluetooth name of the device. The phone or other instruments can search for this Bluetooth name to connect and pair. This is a crucial step in the process of connecting the phone to the speedometer's Bluetooth. The correct name must be searched to pair successfully, and different instruments have different names.

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

- Phone



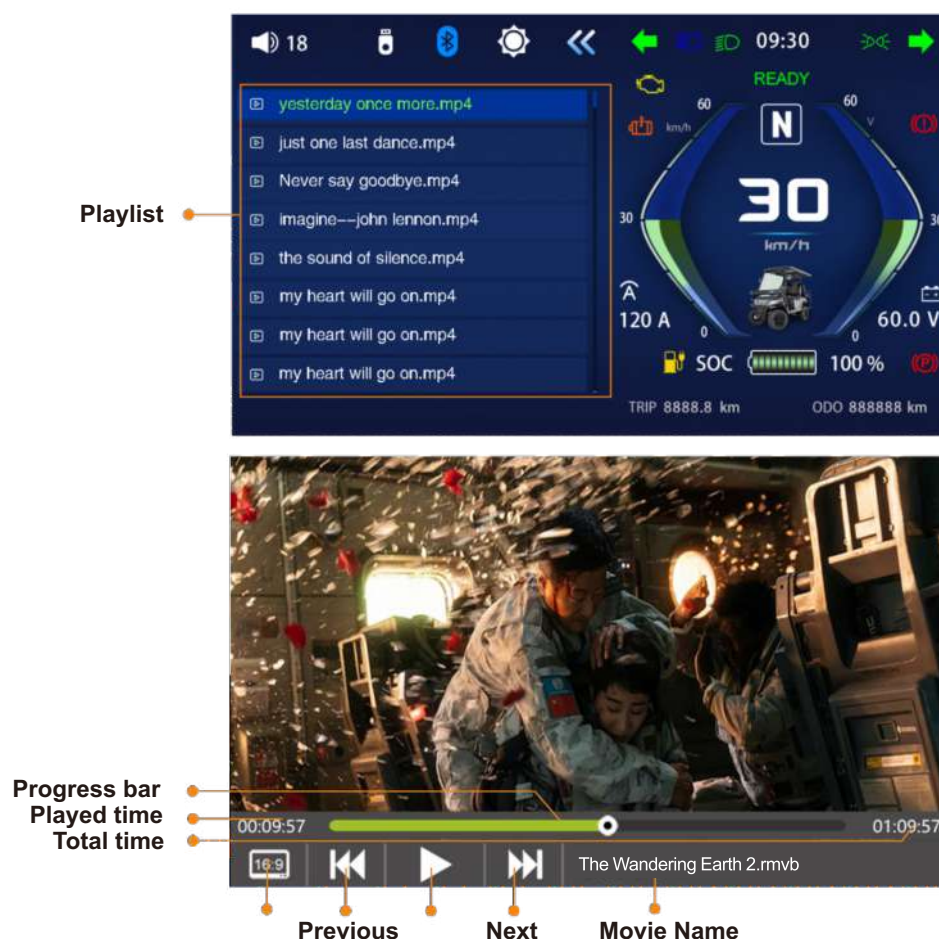
Digital display area:

1. When dialing a number, this area will display the number in real time, and the interface will display a dial icon as shown in the figure: Click this button  to make a call, and the interface will display a hang-up icon  after making a call. Click this icon to end the call.
2.  Click this button to enter the call recording interface.
3.  When you enter a wrong number, you can press the delete button to delete it.

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

- **Movie**



Played time:

You can manually adjust the playback progress bar

Total time:

Show the total duration of the movie

Scale adjustment:

AUTO:  standard mode

Full Screen Mode:  Switch to this icon to enter full screen mode

1:1 mode:  switch to this icon to enter 1:1 mode

16:9 mode:  switch to this icon to enter 16:9 mode

Previous song: Click this icon to play the previous video

Next song: Click this icon to play the next video

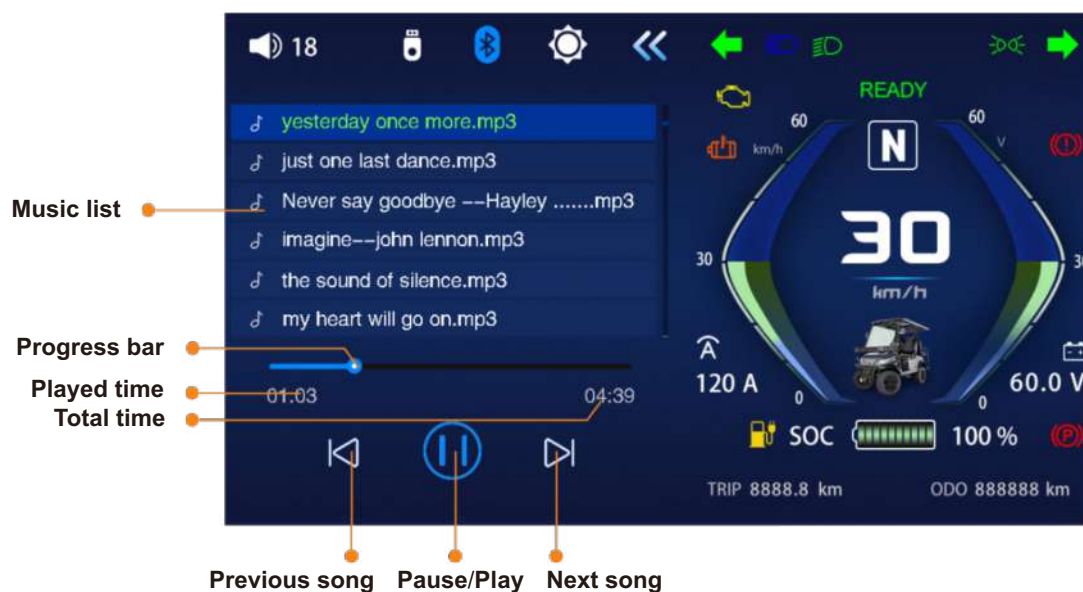
Pause/Play: Click this icon to play the video or pause it

Movie Name/Format: When the video is playing, the current name and format of the video is shown here.

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

- Music



List of Song:

The music copied from Flash Disk(USB) is displayed in the list here, you can slide up and down to select the music, and the music will be played after selection

Played time:

You can manually adjust the playback progress bar to choose to play

Total time:

Show the total duration of the music

Previous song: Click this icon to play the previous song

Next song: Click this icon to play the next song

Pause/Play: Click this icon to play music or pause playback

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

- Setting

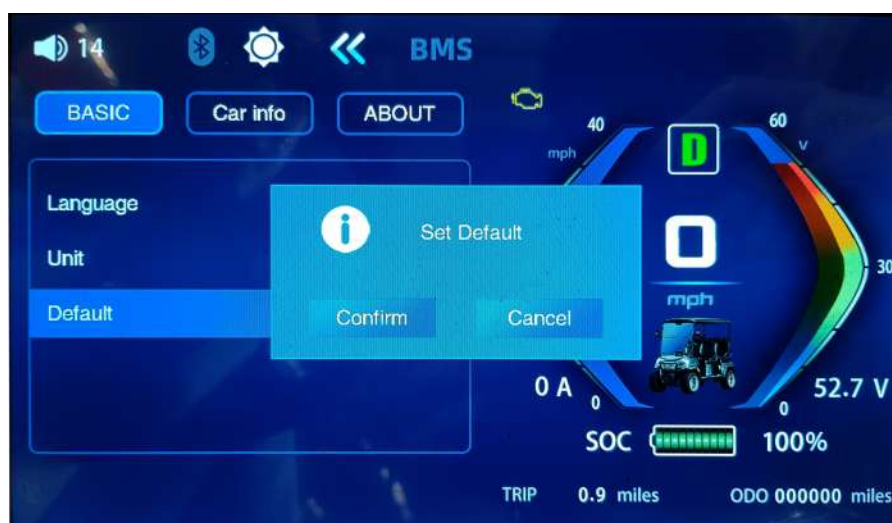


Basic settings:

Language: Chinese/English

Unit: Kilometers/Miles

Restore default settings: Click here to pop up a dialog box



Click **Confirm** to restore the machine to its original upgraded state.

For example: setting Chinese, kilometers and miles, volume, etc. will be restored to the original state. Clicking Cancel will give up the recovery.

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

Vehicle Information



Working Time: The total operating time of the cart.

Trip Odometer: The distance traveled by the carts. Click here to reset the trip odometer.

Motor Temperature: Displayed based on data transmitted by the controller.

Controller Temperature: Displayed based on data transmitted by the controller.

Speed Display Adjustment: The reference value is 100. Increasing the reference value will increase the speed, while decreasing the reference value will reduce the speed. (This function is adjustable only when the speed is measured using a pulse signal. When the speed is transmitted via CAN communication, it can only be adjusted through the controller.)

Version Display



Shows the current version number of the speedometer. Click here three times to view the main control version, microcontroller version, and Bluetooth version.

TOUCHSCREEN MANUAL

Be familiar with vehicle features before attempting any operations.

BMS



In this interface, you can view relevant information about the lithium battery, including total battery voltage, battery current, battery SOC (State of Charge), highest single cell voltage, lowest single cell voltage, highest single cell temperature, lowest single cell temperature, fault information, number of charge and discharge cycles, and the number of times charging was not done in a timely manner.

BATTERY CHARGER

Be familiar with vehicle features before attempting any operations.



WARNING

INCORRECT CONNECTION OF THE AC CORD CAN CAUSE A FIRE OR AN ELECTRICAL SHOCK. DO NOT USE AN ADAPTER TO CONNECT THE AC CORD INTO A TWO-PRONG POWER SOURCE. CONNECT THE AC CORD TO AN APPROVED POWER SOURCE. CONNECTION OF THE AC CORD TO AN INCORRECT RECEPTACLE CAN CAUSE A FIRE, ELECTRICAL SHOCK, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH. CONNECT THE AC CORD TO AN APPROVED POWER SOURCE AND RECEPTACLE. DO NOT LET THE BATTERY CHARGER BECOME WET. KEEP THE BATTERY CHARGER DRY.

CHARGER SPECIFICATION

Battery pack rated voltage	51.2V
Maximum charger output	58.4V
AC input voltage range	100-240VAC, 50-60Hz
AC input current value	11.5A@120VAC, 6.1A@220VAC
Power factor	0.99
Charger efficiency	95%
Noise	45dB
IP Class	IP67
Weight	9.3lb (4.2kg)
Operating temperature	-86
Storage temperature	

BATTERY CHARGER

Be familiar with vehicle features before attempting any operations.

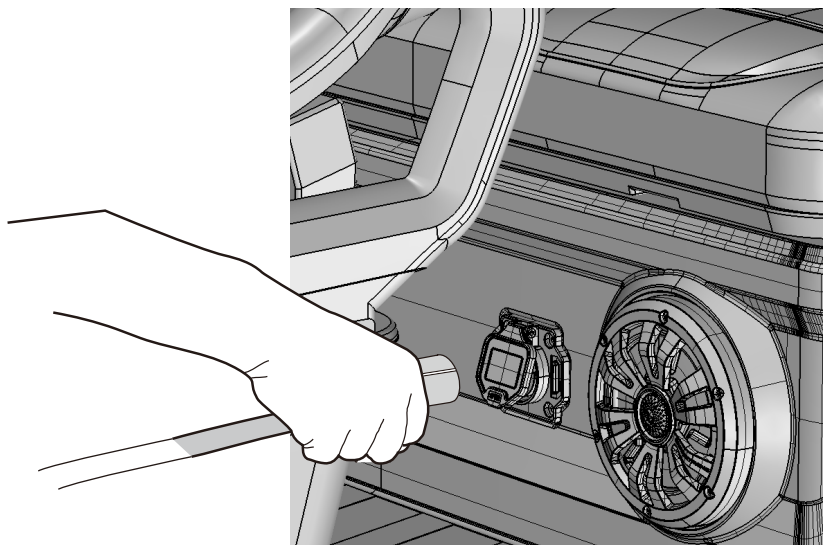
HOW TO USE CHARGER



WARNING

TO DECREASE THE POSSIBILITY OF ELECTRICAL SHOCK OR ELECTROCUTION, MAKE SURE THE CHARGER PLUG IS NOT DAMAGED. THE POWER AC CORD HAS A PLUG WITH GROUND POST. DO NOT MOVE, CUT OR BEND THE GROUND POST.

1. Inspect the charger cord to check if there is broken or damaged on the power AC cord and cable. Replace the broken AC power cord.
2. Plug the AC charge handle into the vehicle receptacle completely.
3. Plug the Power AC cord into the ground power completely.
4. The charger will automatically start in several seconds after plugging in the AC power cord.
5. The charger will automatically stop when the batteries are fully charged.
- 6- Remove the AC charge cord before operating the vehicle.



CHARGER MAINTENANCE

Be familiar with vehicle features before attempting any operations.

CHARGER MAINTENANCE



WARNING

IF THE PLUG PINS ARE BENT, SPEAK WITH YOUR LOCAL DEALER OR DISTRIBUTOR FOR REPLACING. DO NOT TRY TO REPAIR THE AC CORD PLUG OR PINS.

ELECTRICAL CORDS

Examine electrical cords for wear and damage before use. Immediately replace electrical cords for:

- Cracks
- Cuts
- Frayed wiring
- Insulation damage
- Loose connections
- Splices

Examine electrical plugs for wear and damage before use. Immediately replace electrical plugs for:

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

ELECTRICAL PLUGS AND RECEPTACLES

CLEAN THE ELECTRICAL PLUGS AND RECEPTACLES

1. Disconnect the AC cord from the power source.
2. Disconnect the AC cord from the battery charger.
3. Disconnect the DC cord from the vehicle charger receptacle.
4. Apply electrical contact cleaner to the electrical plugs and receptacles. Refer to the manufacturer instructions.
5. Clean the electrical plugs and receptacles.
6. Lightly lubricate the electrical plugs and receptacles with WD-40®.

WHEELS & TIRES

Be familiar with vehicle features before attempting any operations.

WHEELS & TIRES



WARNING

DO NOT OVER INFLATE THE TIRES. EXCESS PRESSURE CAN CAUSE THE TIRE EXPLODE.

TO DECREASE THE RISK OF TIRE EXPLOSION, ADD SMALL AMOUNTS OF AIR TO THE TIRE AT INTERVALS TO SEAT THE TIRE BEADS. OVER INFLATION OF SMALL TIRES CAN OCCURS IN A FEW SECONDS.

PROTECT FACE AND EYES WHEN REMOVING THE TIRE VALVE CORE.

USE ONLY SOCKETS MADE FOR IMPACT WRENCHES TO DECREASE THE RISK OF INJURY CAUSED BY A BROKEN SOCKET.

DO NOT USE TIRES THAT HAVE INFLATION PRESSURE LESS THAN THE TIRE PRESSURE RECOMMENDED.

Always follow the cross-sequence pattern when you install the lug nuts to make sure the wheel is evenly seated against the hub.

NOTICE

Tools list

Lug Wrench, M12.....1

Impact Wrench.....1

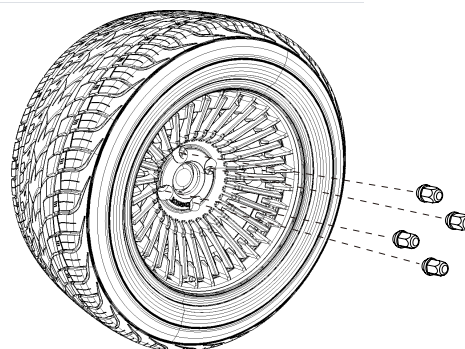
Impact Socket, M12.....1

Torque Wrench..... 1

The general recommended tire inflation pressure is 30 psi, but the tire inflation pressure can be changed according to the specific terrain condition.

All four tires must have the same pressure for the best control qualities. Always put the valve stem cap back after checking or inflate the tires.

Use a tire plug to repair small holes in the thread part of the tires. For large holes or cuts, replace the whole tire.



LIFT AND LOWER THE VEHICLE

Be familiar with vehicle features before attempting any operations.

LIFT AND LOWER THE VEHICLE

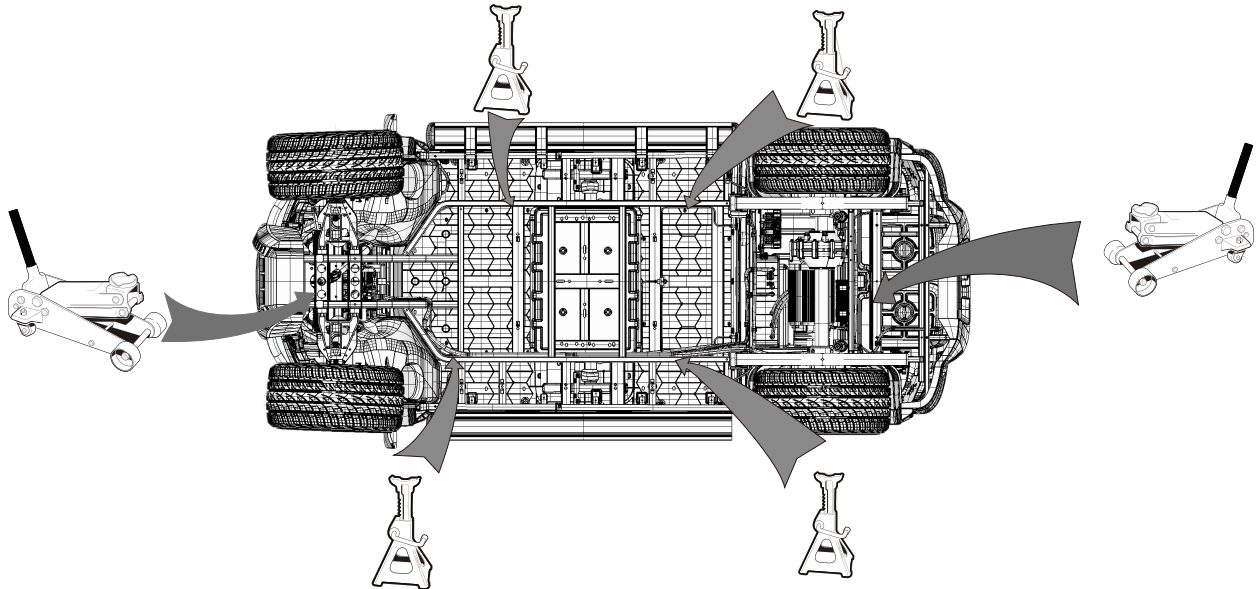


WARNING

LIFTING AND LOWER THE VEHICLE WITH CARGO CAN CAUSE PROPERTY DAMAGED,SERIOUS PERSONAL INJURY, OR DEATH. REMOVE ALL CARGO AND HAVE THE PERSON OUT FROM THE VEHICLE BEFORETHE VEHICLE IS LIFTED.

Steps For Lifting The Vehicle:

- > Ensure the vehicle is powered down via the push-button start system before lowering it.
- > Choose the jacks and jack stands rated for the vehicle.
- > Engage the parking brake.
- > Place the jack in the center of the lift point.
- > Lift the front and rear of the vehicle.
- > Put the Jack stands under the frame rails.
- > Lower the vehicle onto the jack stands.



Steps For Lower The Vehicle:

- > Before the vehicle is lowered, turn off key switch of the vehicle.
- > Choose the jacks and jack stands rated for the vehicle.
- > Place the jack in the center of the lift point.
- > Lift the vehicle off from the jack stands.
- > Remove the Jack stands under the frame rails.
- > Lower the vehicle on the ground.
- > Remove the Jacks.

VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

VEHICLE MAINTENANCE



WARNING

UNINTENDED VEHICLE OPERATION CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH. BEFORE LEAVING THE VEHICLE OR DURING VEHICLE MAINTENANCE, DISABLE THE VEHICLE.

ONLY TRAINED TECHNICIANS SHOULD SERVICE OR REPAIR THE VEHICLE. ANYONE DOING EVEN SIMPLE REPAIRS OR SERVICE SHOULD HAVE KNOWLEDGE AND EXPERIENCE IN ELECTRICAL AND MECHANICAL REPAIR. THE APPROPRIATE INSTRUCTIONS MUST BE USED WHEN PERFORMING MAINTENANCE, SERVICE, OR ACCESSORY INSTALLATION. FAILURE TO CORRECTLY MAINTAIN THE VEHICLE AND MAKE NECESSARY REPAIRS CAN DECREASE VEHICLE PERFORMANCE, CAUSE A FIRE, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH. IF PROBLEMS ARE FOUND DURING SCHEDULED INSPECTION OR SERVICE, OPERATE THE VEHICLE ONLY WHEN REPAIRS ARE MADE.

DO NOT WORK ON THE VEHICLE POWER TRAIN WHEN THE VEHICLE IS LOADED. DO NOT WEAR LOOSE CLOTHING OR JEWELRY SUCH AS RINGS, WATCHES, CHAINS, ETC., WHEN SERVICING THE VEHICLE OR BATTERY CHARGER. LIFT ONLY ONE END OF THE VEHICLE AT A TIME. USE A SUITABLE LIFTING DEVICE WITH 1000 LB (454 KG) MINIMUM LIFTING CAPACITY. DO NOT USE THE LIFTING DEVICE TO HOLD THE VEHICLE IN THE LIFTED POSITION. USE APPROVED JACK STANDS OF PROPER WEIGHT CAPACITY TO SUPPORT THE VEHICLE AND CHOCK THE WHEELS THAT REMAIN ON THE FLOOR.

IF WIRES ARE REMOVED OR REPLACED, MAKE SURE THAT THE WIRING AND WIRE HARNESS ARE CORRECTLY ROUTED AND ATTACHED. FAILURE TO CORRECTLY ROUTE AND ATTACH THE WIRING COULD RESULT IN VEHICLE MALFUNCTION, PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR DEATH.



CAUTION

WEAR SAFETY GLASSES OR APPROVED EYE PROTECTION WHEN YOU DO THE SERVICING OF THE VEHICLE. WEAR RUBBER GLOVES WHEN NEAR THE BATTERY.

VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

VEHICLE SCHEDULED MAINTENANCE CHART

Regular maintenance is required for the best performance and safe operation of the electric vehicle. Periodic maintenance need to perform accordingly.

1D-per day 1W-per week 1M-per month 1Q-per quarter 1Y-per year		1D	1W	1M	1Q	1Y
Item	Descriptions	1D	1W	1M	1Q	1Y
Battery	1. Check the damages may occur on battery surface.		v			
	2. Charge the battery.	v				
	3. Tighten the nut on the battery cable.	v				
	4. Fasten the nut of the battery terminal.		v			
	5. Check whether the battery is over-charged.	v				
	6. Check the SOH (state of health) of the battery.		v			
	7. Check whether the battery is fully charged.	v				
	8. Clean the surface of battery.		v			
Charger	9. Observe the charging status, check if the charger plug becomes hot.	v				
	10. Clean the surface of charger. Do not let water enter into charger.		v			
Motor and controller	11. Check whether all terminals are tightened properly (Turn off the power).			v		
	12. Clean the surface of the controller.				v	
	13. Check whether the solenoid is in order, checking the touching point.					v
	14. Check whether there is water get into motor.	v				
	15. Check whether all the connectors of motor & controller are tightened		v			
	16. Check whether the accelerator pedal works well.	v				
Chassis and body	17. Check whether the brake pedal is firm and can be released freely.			v		
	18. Check whether the brake drum and brake shoe need to be replaced or not				v	
	19. Check the hand break function.			v		
	20. Check the brake liquid tank liquid level.			v		
	21. Check tire pressure and tire surface.		v			
	22. Check Whether the shock is leaking or not.			v		
	23. Fasten the bolt of shaft.			v		
	24. Check whether there is sufficient oil inside of rear axle gear box.				v	
	25. Add grease to front hub and steering gear box.				v	
	26. Adjust the front and rear suspension.				v	
	27. Clean the body and seat.	v				

VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

CAMBER CALIBRATION INSTRUCTION

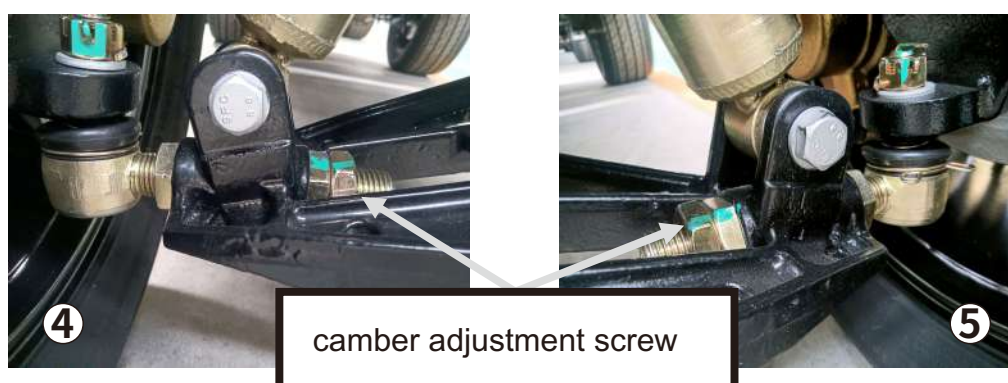
1. Slowly drive the vehicle onto the test platform, align the vehicle straight, and turn off the electronic lock. Turn the steering wheel fully to the left and then to the right, then return the steering wheel to the center position. Press the brake pedal to check the firmness of the brake pedal (Do not drive onto the platform at high speed to avoid the risk of the vehicle falling off the platform due to delayed braking).
2. Check and confirm the tire pressure of all four tires (approximately 35 PSI). If the pressure exceeds this value, adjust it accordingly. If the pressure is insufficient, inflate the tires to the correct level.
3. As shown in Figures 1, 2, and 3, adjust the inclinometer to 53mm at the top and 50mm at the bottom, ensuring the height is flush with the aluminum rim. Bring the inclinometer close to the rim. If there is a gap between the measuring ruler and the rim, adjust the lower control arm's adjustment bolt accordingly.



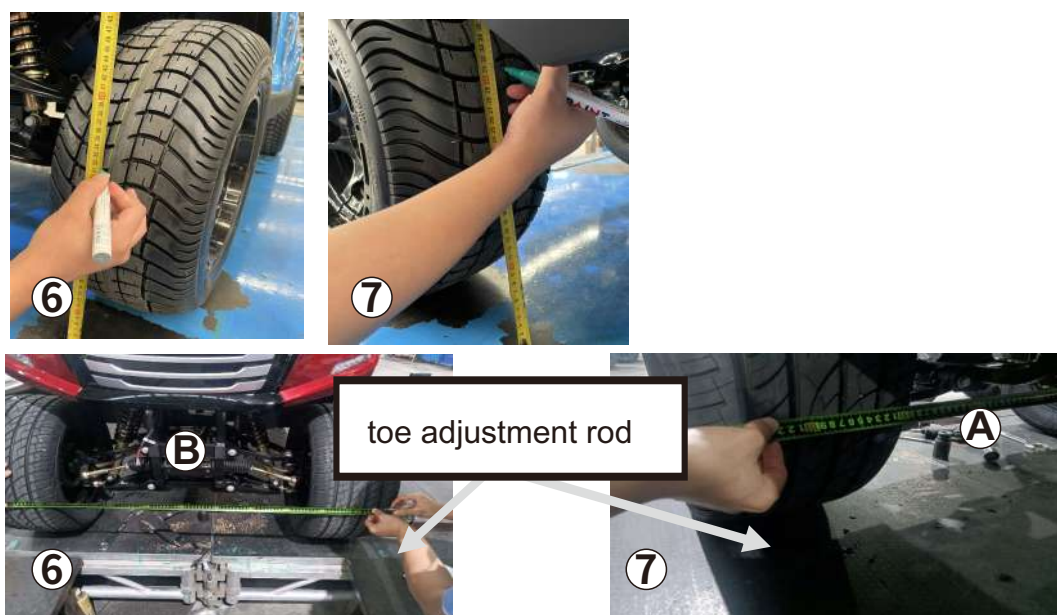
VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

As shown in Figures 4 and 5, loosen the lock nut on the lower control arm adjustment bolt and the ball joint lock nut. Adjust the lock nuts relative to the gap between the upper and lower rims. After adjustment, the rim should just make contact with the inclinometer. Turn the steering wheel two full turns; if the camber does not change, tighten the lock nuts and mark them.



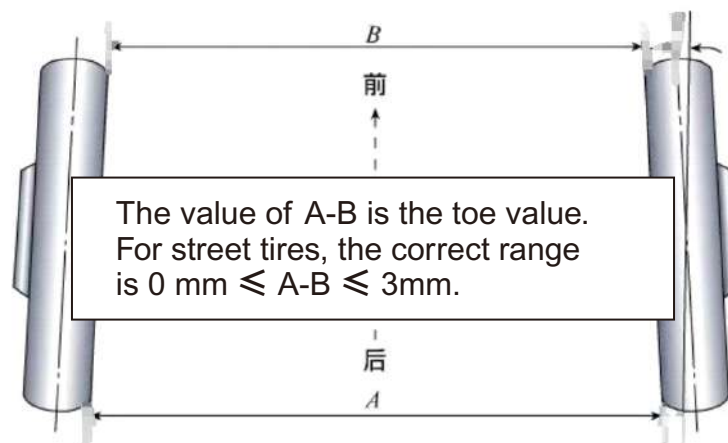
Refer to Figures 6, 7, 8, and 9. Use a tape measure to measure the distance from the center point of the tire to the centerline. Work with a partner and use a green marker to make paint marks. Adjust the toe alignment accordingly.



VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

Refer to Figures 8 and 9. Work with a partner to use a tape measure to measure and record the distances A and B between the green points at the front and rear of the front wheels. The value of A-B is the toe value. For golf cart road tires, the correct range is $0\text{mm} \leq A-B \leq 3\text{mm}$. If it exceeds this range, adjustments are needed.



Refer to Figures 8 and 9. Use 17mm and 19mm open-end wrenches to adjust the tie rods at both ends of the steering rack. Adjust the toe value by changing the length of the tie rods (adjusting the tie rod by one turn changes the toe value by approximately 1-2mm). Lengthening the tie rod on the driver's side or the passenger's side increases the toe value.

After completing the toe adjustment, turn the steering wheel fully to the left and right, then return it to the center position. Re-measure the value of A-B. If it falls within the range of 0mm to 3mm, make marks on the steering rack tie rods and lock nuts.

Self-Inspection Steps:

- * Check and confirm the front and rear center distances of the front wheels (for 20-inch golf cart road tires, the correct toe value range is $1\text{mm} \leq A-B \leq 2\text{mm}$).
- * Check and confirm the camber of the wheel hub (for 12-inch rims, the acceptable camber range is $1\text{mm} \leq D-C \leq 3\text{mm}$).
- * Check and confirm that all measurements are marked with green paint.

VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

CHASSIS MAINTENANCE

Check the tires every time one uses the vehicle, remove embedded objects or metal items away from tire surface. If the tire have embedded objects on surface, it will lead to excessive noises from tire while driving or tire air leakage.

Check the tires every time one uses the vehicle. the tires should be inflated with sufficient air. The air pressure should with normal level . Check the tire chapter for more specific information of tire inflation.

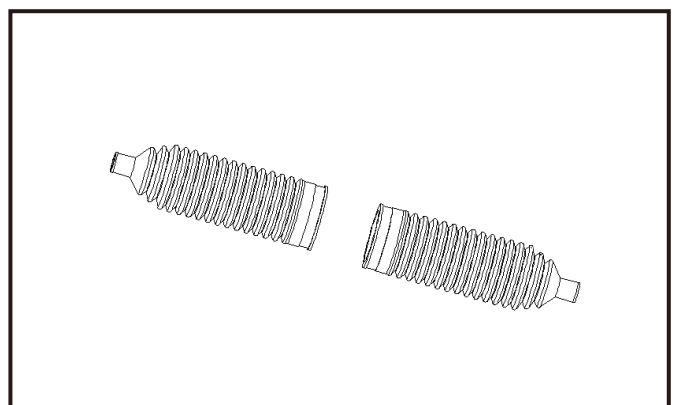
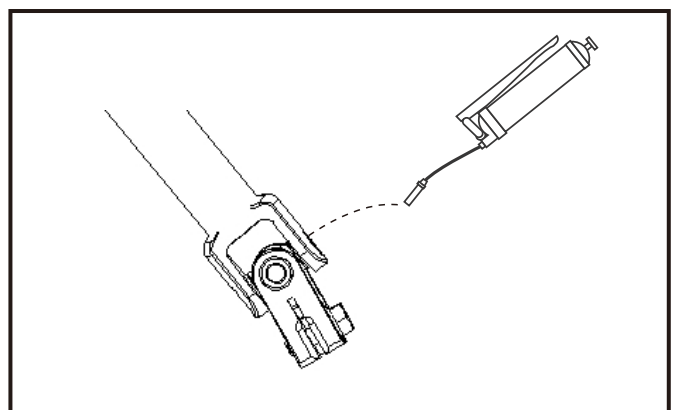
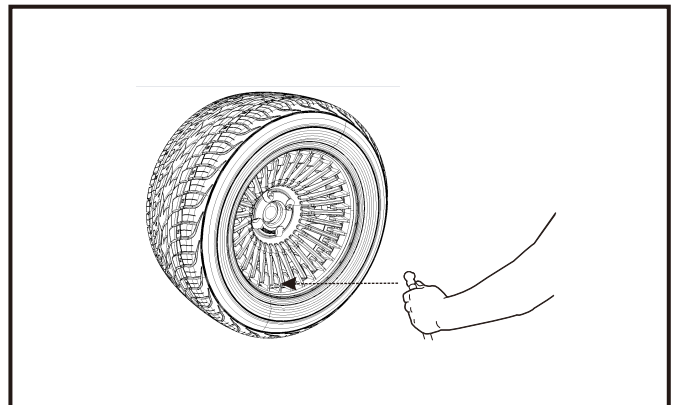
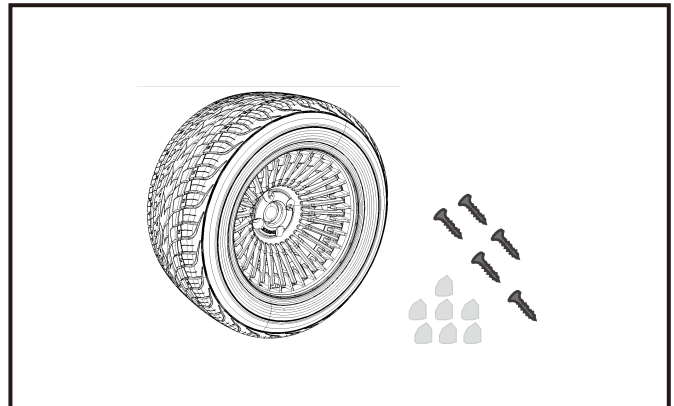


DANGER

FLAT TIRE MAY CAUSE UNSTABLE STEERING FUNCTION WHILE DRIVING.

Add lubricant to mechanical joint parts , the vehicle should be kept in good turning and operating functions. To acquire that one should add lubricant to needed parts every one month.

Check the dust-proof cover on steering gear box, the covers are supposed to be tightened on the two terminal ends . Loose cover will let water and dust into the gear box, cause the gears rusting .



VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

VEHICLE MAINTENANCE



MOISTURE CAN CAUSE ELECTRICAL COMPONENT DAMAGE. DO NOT USE A PRESSURE WASHER OR STEAM CLEANER TO CLEAN THE VEHICLE ELECTRICAL SYSTEM. OTHERWISE IT WILL CAUSE ELECTRICAL FAILURE PERMANENTLY.

Before cleaning the vehicle:

1. Move the vehicle to a solid, flat surface.
 2. Apply the parking brake.
 3. Turn off the vehicle using the push-button start system.
 4. Remove the key fob (if applicable).
 5. Set the circular directional control to 'N' (Neutral).
- Use only commercially available automotive cleaners with a sponge or soft cloth for normal cleaning. A garden hose at normal residential water pressure is sufficient.
 - Use a commercially available aluminum cleaner paste and fine grade (No. 00) steel wool to remove oxidation or discoloration from aluminum.
 - Use non-abrasive wax products. Fertilizers, asphalt, creosote, paint, or chewing gum should be removed immediately to prevent possible stains.
 - The seats of the vehicle will last longer with proper cleaning. Use a solution of 10% liquid soap and warm water applied with a soft cloth. Use a soft bristle brush to remove embedded dirt.
 - Use mild soapy water and a micro-fiber cloth to clean the windshield to minimize the risk of scratching. Avoid using glass cleaners or paper towels as these increase the chances of scratching or scuffing the windshield.

VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

TASKS TO BE COMPLETED PRIOR TO STORAGE

>Temperature and Shelter: Place the golf cart under shelter, keeping it in a dry and ventilated space. Optimal storage temperature is 14°F to 95°F (-10°C to 35°C). Maximum storage temperature should not exceed 122°F (50°C).

>Keyless Ignition System: Ensure the vehicle is in “Park” mode before shutting down. Turn off the engine by pressing the start/stop button. Remove the key fob from the vehicle to prevent accidental startup .

>Power Down Accessories: Turn off all accessories to prevent battery drain.

>Semi-Annual Lubrications: Perform all required semi-annual lubrication tasks.

>Thorough Cleaning: Thoroughly clean the front and rear body, seats, battery compartment, and underside of the vehicle.

>Electromagnetic Parking Brake: Do not engage the parking brake. Instead, secure the golf cart from rolling by using wheel stoppers or similar devices. Electromagnetic parking brakes should be disengaged to prevent battery drain and potential brake damage during long-term storage2.

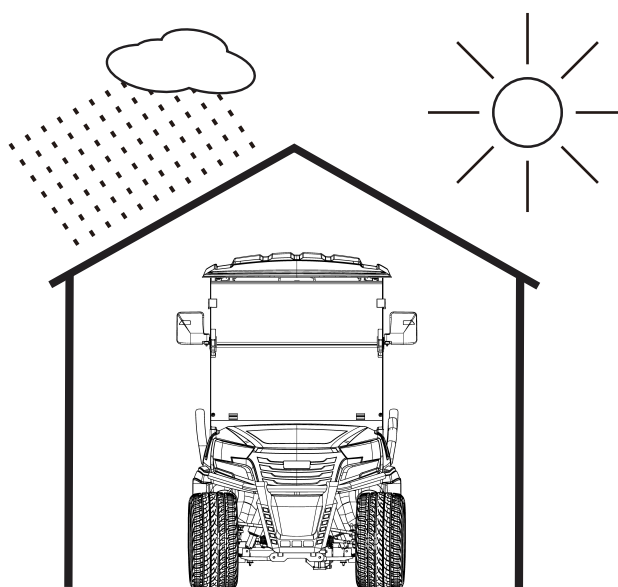
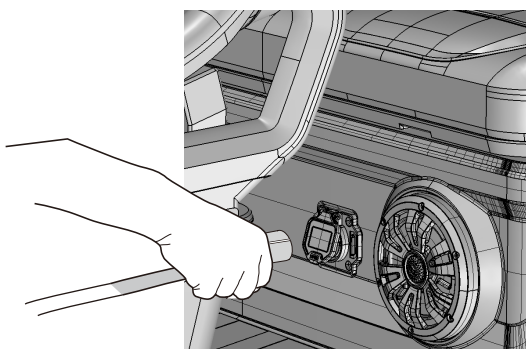
>Tire Pressure: Check tire pressure and inflate the tires to the standard pressure level as indicated on the tires.

>Final Cleaning: Ensure the vehicle is thoroughly cleaned again, focusing on the front and rear body, seats, battery compartment, and underside.

By following these steps, you can ensure that your golf cart is properly prepared for storage and remains in good condition

BRING THE VEHICLE BACK TO SERVICE FROM STORAGE

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



VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

VEHICLE TRANSPORTATION AND TOWING



WARNING

DO NOT RIDE ON OR ALLOW OTHER PEOPLE ON A VEHICLE BEING TRANSPORTED ON A TRAILER OR BEING TOWED WITH ANOTHER VEHICLE.

DO NOT CARRY PASSENGERS ON GOLF CART WHILE TOWING THE VEHICLE.

APPLY BRAKE TO LIMIT SPEED WHEN TOW THE GOLF CART ON UNEVEN TERRAIN.

TURN ON THE HAZARD LIGHTS IF VEHICLE WAS CONFIGURED WITH.

APPLY BRAKE TO LIMIT SPEED WHEN COMMIT SHARP TURNS.

SECURE THE SEATS/WHINSHIELD /OTHER LOOSE ITEMS BEFORE TOWING GOLF CART.

DO NOT TOW MULTIPLE GOLF CARTS IN SERIES FORMATION.

DO NOT TOW THE GOLF CART ON HIGHWAY ROADS.

ABORT TOWING WHEN ABNORMAL PHENOMENONS BEING DETECTED.

The following steps can help you to tow an MARSHELL golf cart safely without any damage.

Turn off key switch.

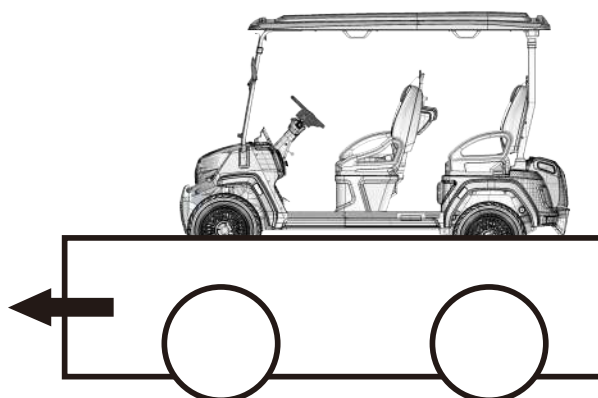
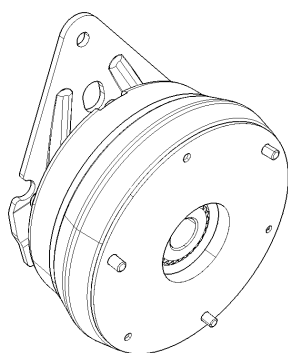
Keep the Forward/Reverse switch in a neutral position.

If you need to tow the golf cart for long distance ,remove the battery connections from battery pack terminals. This is done to ensure that the Rear axle/Motor/Controller/Batteries do not get damaged during the towing process.

Move the golf cart at a slower speed (Optimally Between 5-15MPH)or the same speed that you would generally move it if it has power. Exceeding the speed limit can over-spin the motor and ruin it.

Pulling your golf cart faster than designed to go can over-spin the motor. Possible slinging the internal parts into pieces and ruining the motor.

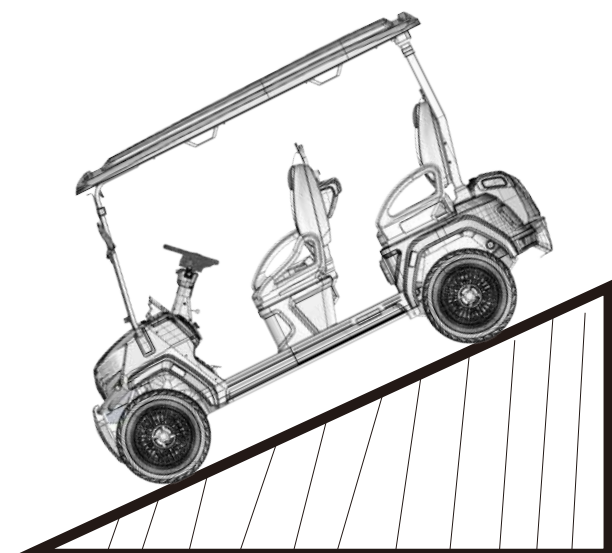
Unlock the EM brake on your golf cart motor, make sure to unlock it mechanically before towing the golf cart.



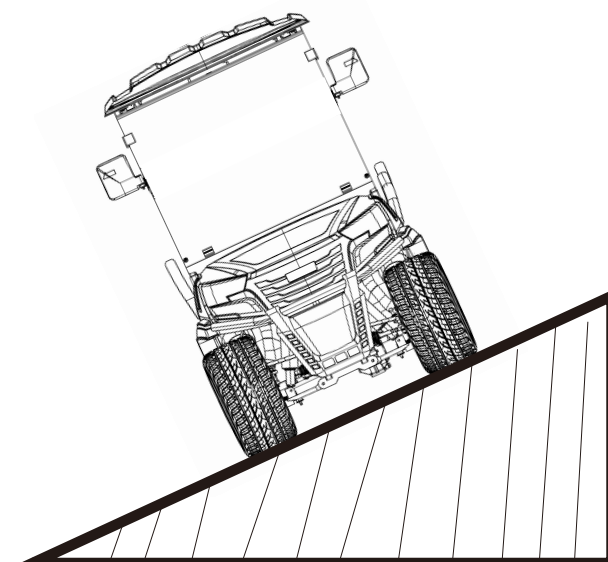
VEHICLE MAINTENANCE

Be familiar with vehicle features before attempting any operations.

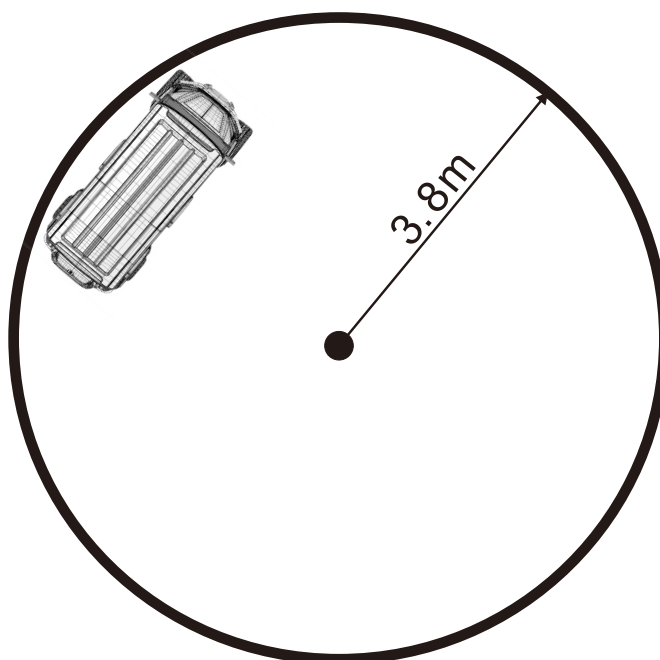
VEHICLE GENERAL SPECIFICATIONS



**Recommended Max Ramp
25% Grade**



**Recommended Max Side Tilt
25% Grade**



Minimum turning radius

MAINTENANCE LOG

Read all the safety statements carefully before attempting any procedure.

[illegible]

