

CENNTRO



TeeMak

User Manual

⚠ WARNING

Read, understand, and follow all of the instructions and safety precautions in this manual and on all product labels.

Failure to follow the safety precautions could result in serious injury or death.

⚠ WARNING

Operating, servicing, and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.

WELCOME

Copyright 2022 Cenntro automotive corporation. All information contained within this publication is based on the latest product information at the time of publication. Due to constant improvements in the design and quality of production components, some minor discrepancies may result between the actual vehicle and the information presented in this publication. Depictions and/or procedures in this publication are intended for reference use only. No liability can be accepted for omissions or inaccuracies. Any reprinting or reuse of the depictions and/or procedures contained within, whether whole or in part, is expressly prohibited.

The original instructions for this vehicle are in English. Other languages are provided as translations of the original instructions.

Printed in U.S.A.

This User Manual provides information about the vehicle you have purchased. You will find most of the information you need in this manual.

This manual is operation instruction rather than a product quality guarantee. The pictures are schematic diagrams and might be inconsistent with actual vehicle. They are used only for illustration.

Cenntro reserves the right to modify this Instruction by reason of printing errors, incompliance with latest version and product improvement/updating etc. and has the right of final interpretation. Cenntro will modify this Instruction without further notice and introduce into new version directly.

User Notes:

For helping you enjoy a safer and more comfortable driving, please read the following contents:

- This Instruction specifies the TeeMak vehicle and its operations. Please operate the vehicle according to the Hint.
- Please strictly comply with the warning box and the attention box in this Instruction, which will help you improve driving safety.
- Please pay attention to the Hint box in this Instruction, which will help you use this electric vehicle more economically and more conveniently.
- Please put this Instruction in the vehicle. Please give this Instruction to final user if transferring the vehicle etc.

*The latest edition of the manuals can be downloaded free of charge from the Pardisys website:
www.pardisys.com*

Before You Ride

TeeMak is an off-road vehicle. Familiarize yourself with all laws and regulations concerning the operation of this vehicle in your area.

⚠ WARNING

Failure to heed the warnings and safety precautions contained in this manual can result in severe injury or death. Your TeeMak is not a toy and can be hazardous to operate. A collision or rollover can occur quickly, even during routine maneuvers like turning, or driving on hills or over obstacles, if you fail to take proper precautions.

- Read your owner's manual before operating this vehicle.
- Never operate this vehicle without proper instruction.
- This vehicle is an ADULT VEHICLE ONLY. You MUST be at least age 16 and have a valid driver's license to operate this vehicle.
- Never exceed the passenger and cargo limits of this vehicle.
- Do not start or operate this vehicle until all occupants are seated with seat belts fastened.
- Keep arms and legs inside vehicle at all times.
- Do not leave children unattended in vehicle.
- Remove key when leaving vehicle unattended.
- Do not operate this vehicle under the influence of drugs, alcohol or medication.

Introduction

Safety Symbols and Signal Words

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used.

Become familiar with their meanings before reading the manual.



DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



NOTICE is used to address practices not related to personal injury.

*:Only available for some models or only as an option on some models.



The Prohibition Safety Sign indicates an action NOT to take in order to avoid a hazard.

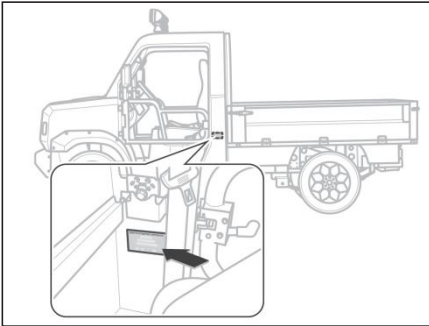
Introduction

Vehicle Numbers

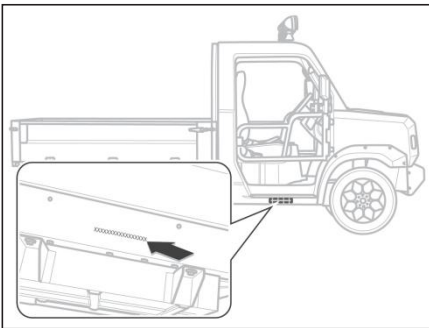
Record your vehicle product number and motor number in the spaces provided. Remove the spare key and store it in a safe place.

Vehicle Product Number

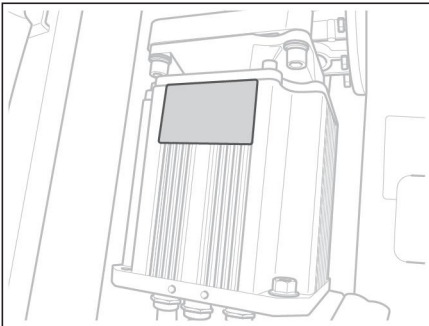
Motor Number



Nameplate: The Statutory plate is pasted in the position shown in the figure.



Vehicle product number: The vehicle product number (P/N) is engraved on the crossbeam under the right side of the cab.



Motor number: The motor serial number can be found on nameplate of the motor.

NOTICE

- The images above are for reference only. Depending on model, your vehicle may differ slightly.

Contents

01 Safety

Safety Warning	P.01
Operator Safety	P.01
Recycling of Power Battery	P.10
High Voltage Electrical Components	P.11

02 Features and Controls

Appearance and Components	P.13
Cab Components	P.15
Door	P.17
Ignition Switch	P.18
Gear Shift Knob	P.19
Wiper Switch	P.19
Light Switch	P.20
Pedal	P.23
Parking Handle	P.24
Safety Belt	P.24
Seat	P.28
Exterior Rearview Mirror	P.29
Horn	P.30
Storage Space	P.31
Sun Visor	P.31
Make-Up Mirror	P.31
Safety Handle	P.32
Charging	P.32
Front Cabin Cover	P.37
Rear Trailer Hitch Ball	P.39
Instrument	P.40

Contents

Reversing Camera*	P.43
-------------------	------

03 Operation

Running-In Period	P.45
Inspection Before Driving	P.45
Essentials on Driving	P.46
Start the Vehicle	P.46
Starting	P.46
Parking	P.47
Driving in Rainy Days	P.48
Driving in Foggy Days	P.49
Driving in Hot Seasons	P.49
Driving in Cold Seasons	P.50
Energy Recovery	P.51
Dumping Device*	P.52

04 Winch Guide

Winch Safety	P.53
Precautions for Use of Winch	P.53
Winch Operation	P.53
Winch Maintenance	P.55

05 Maintenance

Vehicle Cleaning	P.56
Vehicle Corrosion Protection	P.59
Long Term Storage of Vehicle	P.60
Regular Maintenance and Regulations	P.60
Fluid Addition	P.65
Tire Maintenance	P.67

Contents

Maintenance of Dumping Device*	P.70
Check and Replace the Fuse	P.71
Maintenance of Low Voltage Battery	P.72
Maintenance of Power Battery	P.74

06 Specifications

Technical Parameters of the Whole Vehicle	P.77
Type and Dosage of Vehicle Filling Fluid.....	P.79

07 Troubleshooting

Important Information	P.80
Failure to Start the Vehicle	P.81
Vehicle Trapped.....	P.82
Tire Burst.....	P.82
Vehicle Traction	P.83
High Voltage Electrical Equipment Failure.....	P.84
Fire Emergency Treatment Plan	P.84
Power Battery Electrolyte Leakage	P.86

08 Maintenance Log

Maintenance Log.....	P.87
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Safety Warning

⚠ WARNING

- Failure to operate this vehicle properly can result in a collision, loss of control, accident or rollover, which may result in serious injury or death. Heed all safety warnings outlined in this section of the owner's manual. See the OPERATION section of the owner's manual for proper operating procedures.

Operator Safety

⚠ WARNING

- Serious injury or death can result if you do not follow these instructions and procedures, which are outlined in further detail within your owner's manual.
- Read this manual and all labels carefully. Follow the operating procedures described.
 - Never allow anyone under age 16 to operate this vehicle and never allow anyone without a valid driver's license to operate this vehicle.
 - Never permit a guest to operate this vehicle unless the guest has read this manual and all product labels.
 - Always make sure the seat belts are secured for operator and all passengers before operating.
 - Never exceed the maximum occupant capacity of your vehicle: The TeeMak has a maximum of 2 Occupants.
 - Never carry passengers in cargo box. Passengers can be thrown off. This can cause serious injury or death.
 - Never exceed the gross vehicle weight rating (GVWR) of your vehicle.
 - To reduce rollover risk, be especially careful when encountering obstacles and slopes and when braking on hills or during turns.
 - This vehicle is for off road use only. Never operate on public roads (unless marked for off-road use). Always avoid paved surfaces.
 - Always be sure there are no obstacles or people behind your vehicle when

operating in reverse. When it's safe to proceed in reverse, move slowly. Avoid turning at sharp angles in reverse.

- Always use the proper size and type of tires and always maintain proper tire pressure as specified in this manual and on safety labels.
- Never exceed the stated load capacity for this vehicle. Cargo should be properly distributed and securely attached. Reduce speed and follow the instructions in this manual for hauling cargo or pulling a trailer. Allow a greater distance for braking.
- Always set the park brake and remove the key when leaving the vehicle unattended.
- The voltage in the battery pack is enough to cause death by electrocution. Never attempt to perform service on the electric drive system. Your authorized CENNTRO Service Centers can provide battery-related service.
- Do not carry a passenger until you are comfortable with all components of this vehicle, including acceleration, braking and turning. Cargo, including a passenger, may alter vehicle performance.
- Always keep arms and legs inside the cab frame while the vehicle is in motion.
- Always keep both hands on the steering wheel and both feet on the floorboards of the vehicle during operation.
- Never consume alcohol or drugs before or while operating this vehicle.
- Never operate at excessive speeds.
- Always travel at a speed proper for the traffic, visibility and operating conditions, and your experience.
- Never attempt jumps, doughnuts or other stunts.
- Always inspect your vehicle each time you use it to make sure it's in safe operating condition.
- Always follow the inspection and maintenance procedures and schedules described in this manual.
- Always travel slowly and use extra caution when operating on unfamiliar terrain. Be alert to changing terrain.
- Never operate on excessively rough, slippery or loose terrain.

- Always follow proper procedures for turning. Practice turning at slow speeds before attempting to turn at faster speeds. Never turn at excessive speeds.
- Always have this vehicle inspected by an authorized service center if it has been involved in an accident.
- Always be alert for obstacles when operating this vehicle. Never attempt to operate over obstacles.
- Always be careful of skidding or sliding. On slippery surfaces such as ice, travel slowly and exercise caution to reduce the chance of skidding or sliding out of control.
- Never operate this vehicle on hills too steep for the vehicle or for your abilities.
- Always remove the ignition key when the vehicle is not in use to prevent unauthorized use by someone under the age of 16 or without a driver's license and proper training, or accidental starting.

Seat Belts



Riding in this vehicle without wearing the seat belt increases the risk of serious injury in the event of rollover, loss of control, other accident or sudden stop. Seat belts may reduce the severity of injury in these circumstances. The operator and all passengers **MUST** wear their seat belt at all times.

Age Restrictions

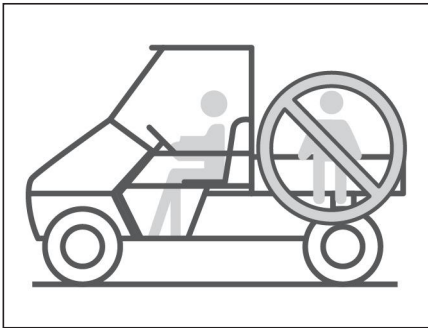


This vehicle is an **ADULT VEHICLE ONLY**. Operation is prohibited for anyone under 16 years of age or anyone without a valid driver's license. The operator must be tall enough to sit with back against the seat, both feet flat on the floor and both hands on the steering wheel (if equipped) or handlebars.

Operating With a Load on the Vehicle

The weight of the cargo, operator, and passengers impacts vehicle operation and stability. For your safety and the safety of others, carefully consider how your vehicle is loaded and how to safely operate the vehicle. Follow the instructions in this manual for loading, tire pressure, gear selection and speed.

- Do not exceed vehicle weight capacities. The vehicle's maximum weight capacity is listed in the specifications section of this manual and on a label on the vehicle. When determining the weight you are adding to the vehicle, include the weight of the operator, passengers, accessories, loads in the rack or box and the load on the trailer tongue. The combined weight of these items must not exceed the maximum weight capacity.



- Never carry passengers in cargo box. Passengers can be thrown off.

- The recommended tire pressures are listed in the specifications section of this manual and on a label on the vehicle.

Load/Passenger

This can cause serious injury or death. Read owner's manual. NEVER carry fuel or other flammable liquids on this vehicle. Failure to follow this instruction could lead to serious burn injuries or death.

Equipment Modifications

⚠ WARNING

- Never install any equipment or make vehicle modifications to increase the speed or power of the vehicle. Any modifications to the original equipment of the vehicle create a substantial safety hazard and increase the risk of bodily injury. The warranty on your vehicle is terminated if any equipment has been added to the vehicle, or if any modifications have been made to the vehicle, that increase its speed or power.

The addition of certain accessories, including (but not limited to) mowers, blades, tires, sprayers, or large racks, may change the handling characteristics of the vehicle.

Operating Without Instruction



Operating this vehicle without proper instruction increases the risk of an accident. The operator must understand how to operate the vehicle properly in different situations and on different types of terrain. All operators must read and understand the Owner's Manual and all warning and instruction labels before operating the vehicle.

Failure to Inspect Before Operating

⚠ WARNING

- Failure to inspect and verify that the vehicle is in safe operating condition before operating increases the risk of an accident. Always inspect the vehicle before each use to make sure it's in safe operating condition. Always follow all inspection and maintenance procedures.

Using Alcohol or Drugs



Operating the vehicle after consuming alcohol or drugs could adversely affect operator judgment, reaction time, balance and perception. Never drink alcohol or use drugs or medications before or while operating this vehicle.

Operating on Pavement

This vehicle's tires are designed for off-road use only, not for use on pavement. Operating this vehicle on paved surfaces (including sidewalks, paths, parking lots and driveways) may adversely affect the handling of the vehicle and may increase the risk of loss of control and accident or rollover. Avoid operating the vehicle on pavement. If it's unavoidable, travel slowly, travel short distances and avoid sudden turns or stops.

Operating on Public Roads



Operating this vehicle on public streets, roads or highways could result in a collision with another vehicle. Never operate this vehicle on any public street, road or highway, including dirt and gravel roads (unless designated for off-highway use).

Operating a Damaged Vehicle

⚠ CAUTION

- Operating a damaged vehicle can result in an accident. After any overturn or accident, have qualified service dealer inspect the entire machine for possible damage, including (but not limited to) brakes, accelerator, steering system and electrical system.

Operating at Excessive Speeds

⚠ CAUTION

- Operating this vehicle at excessive speeds increases the operator's risk of losing control. Always operate at a speed that's appropriate for the traffic, the visibility and operating conditions, your skills and your passengers' skills.

Exhibition Driving

⚠ WARNING

- Exhibition driving increases the risk of an accident or overturn. Never attempt wheelies, jumps, doughnuts or other stunts. Avoid exhibition driving.

Turning Improperly

⚠ CAUTION

- Turning improperly could cause loss of traction, loss of control, accident or overturn. Always follow proper procedures for turning. Never turn abruptly or at sharp angles. Never turn at high speeds. Practice turning at slow speeds before attempting to turn at faster speeds.

Improper Hill Climbing

⚠ CAUTION

- Improper hill climbing could cause loss of control or rollover. Use extreme caution when operating on hills.

Improper Tire Maintenance

⚠ WARNING

- Operating this vehicle with improper tires or with improper or uneven tire pressure could cause loss of control or accident. Always use the size and type of tires specified for your vehicle. Always maintain proper tire pressure as described in the owner's manual and on safety labels.

Operating in Unfamiliar Terrain

⚠ CAUTION

- Failure to use extra caution when operating on unfamiliar terrain could result in an accident or rollover.
- Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or rollover.

Travel slowly and use extra caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.

Operating Improperly in Reverse

⚠ CAUTION

- Improperly operating in reverse could result in a collision with an obstacle or person.

Before shifting into reverse gear, always check for obstacles or people behind the vehicle. When it's safe to proceed, back slowly.

Skidding or Sliding

⚠ CAUTION

- Failure to use extra caution when operating on excessively rough, slippery or loose terrain could cause loss of traction, loss of control, accident or rollover. Do not operate on excessively slippery surfaces. Always slow down and use additional caution when operating on slippery surfaces.
- Skidding or sliding due to loss of traction can cause loss of control or rollover (if tires regain traction unexpectedly).

Operating Over Obstacles

⚠ CAUTION

- Improperly operating over obstacles could cause loss of control or rollover. Before operating in a new area, check for obstacles. Avoid operating over large obstacles such as large rocks and fallen trees.

Operating Through Water

⚠ CAUTION

- Operating through deep or fast-flowing water can cause loss of traction, loss of control, rollover or accident. Never operate in fast-flowing water or in water that exceeds the floor level of the vehicle.

Wet brakes will have reduced stopping ability. After leaving water, test the brakes.

Apply them lightly several times while driving slowly. The friction will help dry out the pads.

Operating on Frozen Bodies of Water

⚠ WARNING

- Serious injury or death can result if the vehicle and/or the operator fall through the ice. Never operate the vehicle on a frozen body of water unless you have first verified that the ice is sufficiently thick to support the weight and moving force of the vehicle, you and your cargo, together with any other vehicles in your party.

Always check with local authorities and residents to confirm ice conditions and thickness over your entire route. Vehicle operators assume all risk associated with ice conditions on frozen bodies of water.

Improper Cargo Loading

Overloading the vehicle or carrying cargo improperly may cause changes in stability and handling, which could cause loss of control or an accident.

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

Poor Visibility

⚠ CAUTION

- Operating this vehicle in darkness or inclement weather could result in a collision or accident, especially if operating on a road or street. Use caution and drive at reduced speeds in conditions of reduced visibility such as fog, rain and darkness. Clean headlights frequently and replace burned out headlamps promptly.

Unauthorized Use of the Vehicle

Leaving the keys in the vehicle can lead to unauthorized use of the vehicle, which could result in an accident or overturn.

Always remove the key when the vehicle is not in use.

Hot Drive Systems

The motor and controller are very hot during and after use of the vehicle. Hot components can cause burns and fire. Do not touch hot drive system components.

Always keep combustible materials away from the drive system.

Precautions During Maintenance

⚠ WARNING

- The voltage in the battery pack is enough to cause death by electrocution. Never attempt to perform service on the electric drive system, including the battery pack, unless you are properly trained and authorized to work on electrical systems.
- Do not work in or near the battery compartment or on any other electrical component of the vehicle while charging the batteries.

Your authorized CENNTRO dealer can provide battery-related service.

Please contact your CENNTRO Authorized Service Center for servicing the vehicle's electrical/battery systems.

Always follow all safety instructions in the maintenance portion of this owner's manual, as well as the following:


- Make sure the vehicle is properly immobilized before beginning any maintenance.
- Always block the chassis securely before working under the vehicle.

Recycling of Power Battery

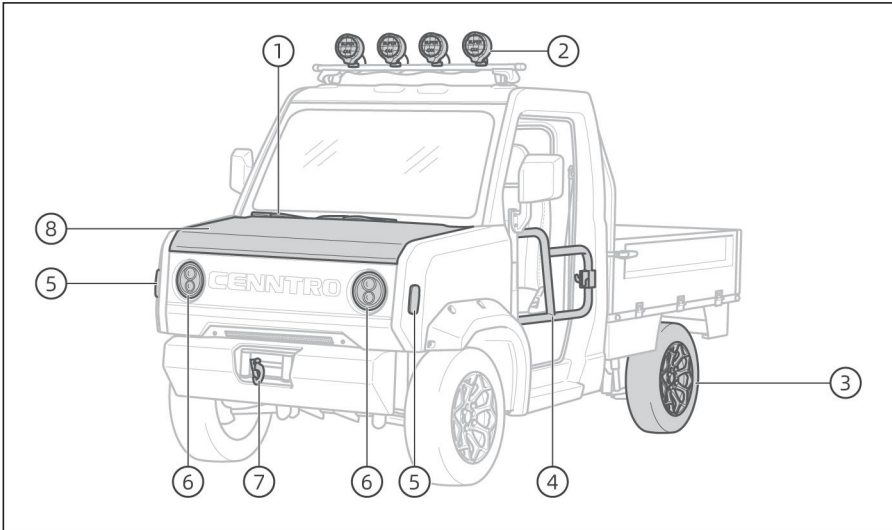
Careless disposal of power batteries may cause pollution and harm to the environment. Please consult your nearest CENNTRO authorized service center for more information on recycling and disposal of power batteries.

High Voltage Electrical Components

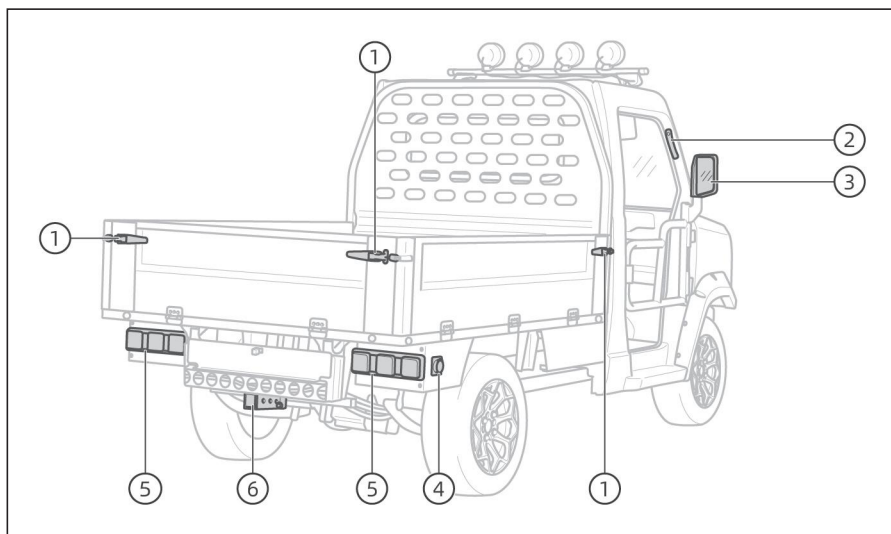
DANGER

- To avoid personal injury, do not touch the high-voltage cables and their connecting connectors.
- Parts marked in orange are high-voltage parts, and these parts are marked or labeled with a high-voltage system warning sign or label .
- Always comply with the requirements of the high-voltage system label..
- It is forbidden for non-specialized maintenance personnel to touch, disassemble or install any parts of the high-voltage system, such as on-board chargers, motor controllers, power packs, etc. motor, motor controller, power battery pack, etc.
- If wires are exposed or broken, do not touch any wires or metal parts such as bodywork to prevent electric shock.

Appearance and Components

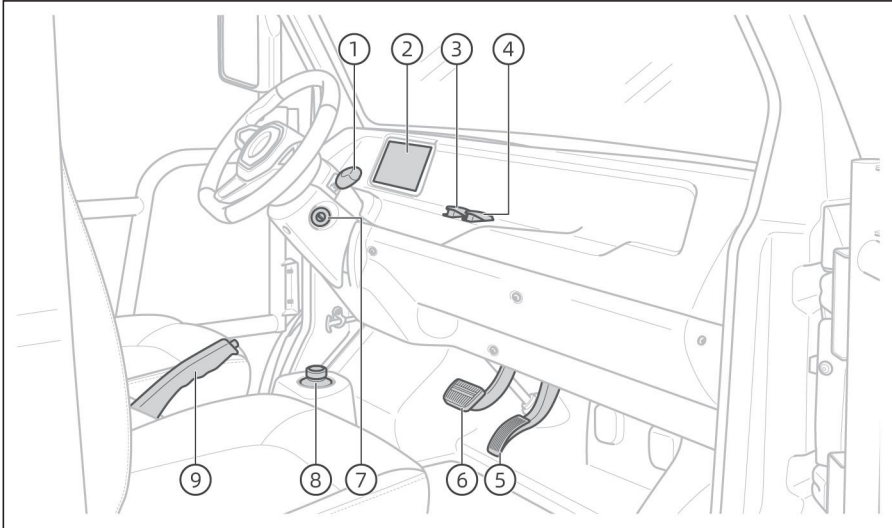


① Wiper	P.63
② Roof light	P.24
③ Tire	P.71
④ Door	P.19
⑤ Steering lamp	P.23
⑥ Front combination lamp	P.22
⑦ Trailer latch	P.55
⑧ Front cabin cover	P.39

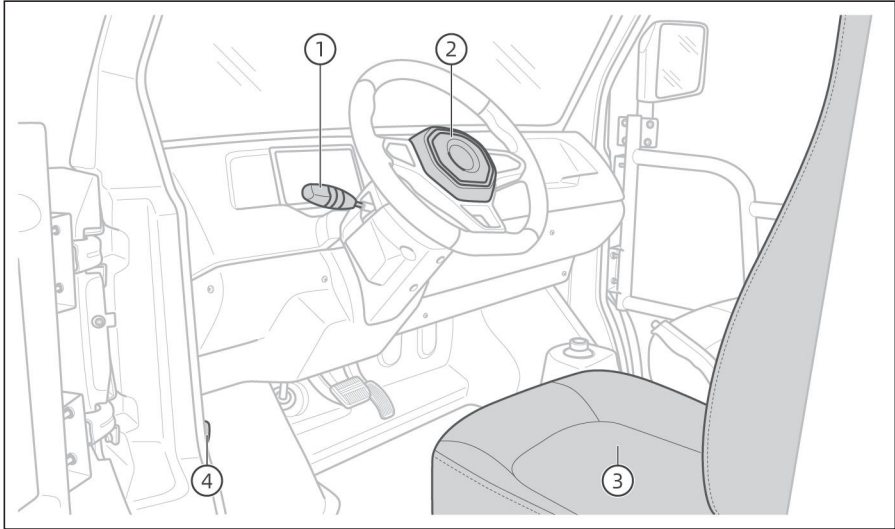


- ① Cargo compartment door lock..... P.19
- ② Safety handle..... P.34
- ③ Exterior rearview mirror P.31
- ④ Charging port cover..... P.37
- ⑤ Rear combination lamp..... P.22
- ⑥ Trailer beam..... P.41

Cab Components



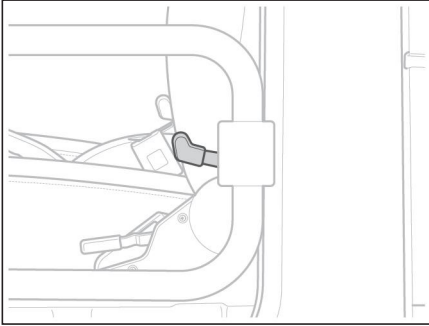
① Wiper switch	P.21
② Instrument	P.42
③ Hazard warning lamp switch	P.82
④ Roof light switch	P.24
⑤ Accelerator pedal	P.25
⑥ Brake pedal	P.25
⑦ Ignition switch	P.20
⑧ Gear shift knob	P.21
⑨ Parking handle	P.26



- ① Light switch P.22
- ② Horn P.32
- ③ Seat P.30
- ④ Front cabin cover unlocking handle P.39

Door

Unlock and Lock the Door



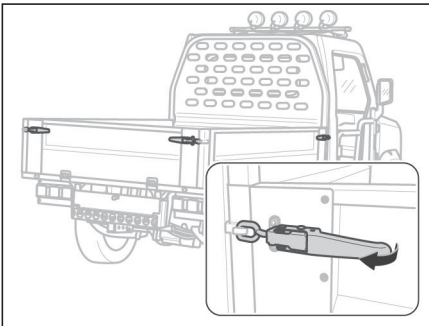
Unlock: press down the door lock handle to unlock the door.

Lock: directly close the door to lock the door.

⚠ WARNING

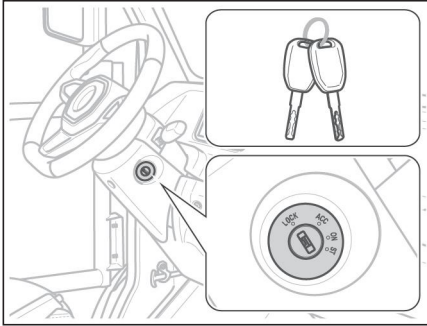
- There is no signal for opening or closing the doors, and the instrument cannot give an alarm. If it is not locked, the driving safety will be affected. Make sure the door is locked before driving.

Open and Close the Cargo Compartment Door



1. Pull the cargo compartment door lock handle to release the limit on one side.
2. Pull the lock handle on the other side of the cargo compartment door to release the limit on the other side and open the cargo compartment door.

Ignition Switch



LOCK: The position where the key is inserted and removed, the steering wheel is locked, and the power system is turned off.

A CC: When the key is turned to this position, the power system is disconnected and the vehicle cannot be started. The key cannot be removed at this position.

ON: When the key is turned to this position, the power system is connected, the vehicle can be started, and all electrical components of the vehicle can work normally. The key cannot be removed at this position.

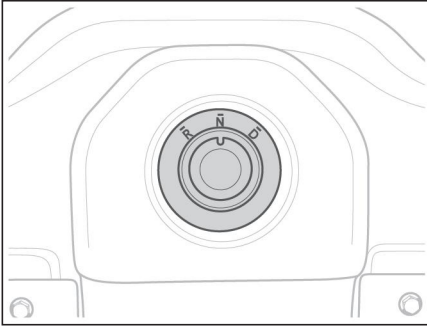
⚠ WARNING

- It is strictly forbidden to turn the key to the "LOCK" position during driving to avoid accidents caused by steering wheel locking.
- It is strictly forbidden to leave the key in the vehicle with no one or only children.

NOTICE

- If the key cannot be turned at the "LOCK" position, try to turn the key while gently turning the steering wheel.
- When the vehicle is not driving, do not leave the key at "ON" position for a long time to save battery power.

Gear Shift Knob



After the vehicle stops stably, rotate the gear shift knob to the corresponding gear. The gear backlight will light up, and the corresponding indicator lamp of the instrument will light up. The specific gear meanings are as follows:

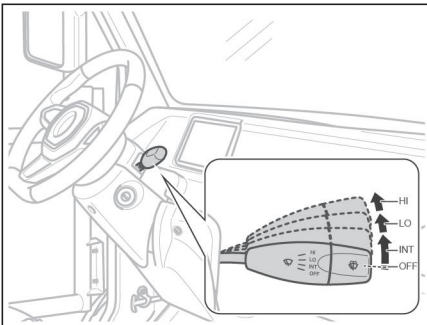
- R: Reverse gear, which is used when reversing backwards.
- N: Neutral gear, which is used when parking.
- D: Drive gear, which is used when driving forwards.

⚠ CAUTION

- Please rotate the gear shift knob to the neutral gear when deenergizing or starting.
- When you shift gears, please stop the vehicle firstly and keep it stationary.

Wiper Switch

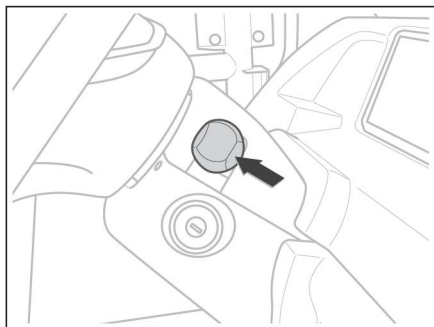
Wiper Blades



When the key is at the "ACC" position, toggle the wiper switch in the arrow direction from the OFF position to select the wiper blades mode. Specific controls are as follows:

- OFF: Turn off the wiper blades.
- INT: the wiper blades wipe intermittently.
- LO: the wiper blades wipe at low speed.
- HI: the wiper blades wipe at high speed.

Clean the Wiper

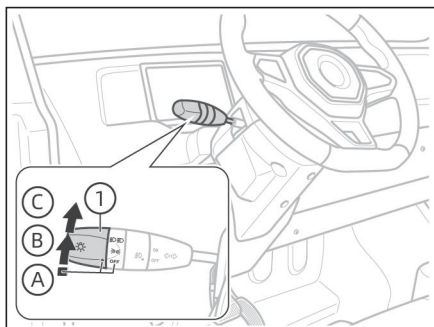


After toggling the wiper switch in the direction towards the steering wheel, the wiper nozzle will spray washing liquid, which is used for defrosting, demisting and cleaning the dust on the windshield to avoid blocking the vision.

Wiper Maintenance

During the wiper blades wiping, when the wipers move to the highest position, rotate the key to turn off the power, and the wipers immediately stop wiping and enter the wiper maintenance state.

Light Switch




① Light switch end knob

A: Light off


B: Position lamps on

C: Low beam lamps on

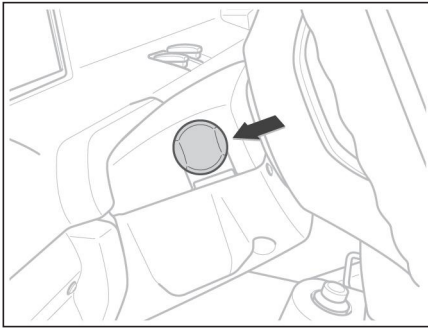
Turn on the Position Lamps


When the key is at the "ON" position, turn the light switch end knob to the  position, and the position lamps will light up.

Turn on the Low Beam Lamps

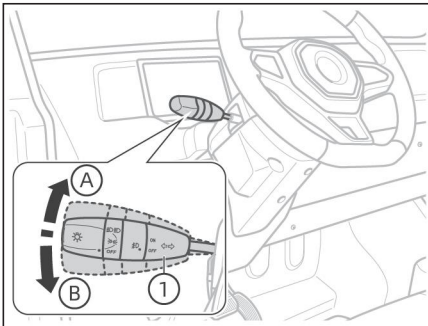
When the key is at the "ON" position, turn the light switch end knob to the  position, and the low beam lamps will light up.

Turn on the High Beam Lamps



When the key is at the "ON" position, turn the light switch end knob to the  position, push the light switch in the direction away from the steering wheel, and the high beam lamps will light up.

Turn Signal



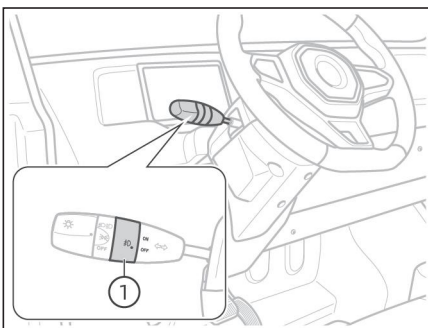
① Light switch

A: Right turn signal lamp on B:

Left turn signal lamp on

When the key is at the "ACC" position, toggle the light switch up or down, and the corresponding turn signal lamp will flash continuously.



Fog Lamp



① Fog lamp knob

OFF: Rear fog lamp off

ON: Rear fog lamp on

When the key is at the "ON" position, turn the light switch end knob to the  or  position, turn the fog lamp knob to the "ON" position, and the rear fog lamp will turn on. Turn the fog lamp knob to the "OFF" position, and the rear fog lamp will turn off.

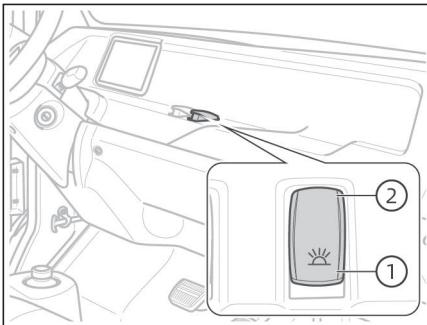
⚠ WARNING

- Please use the light reasonably according to the road conditions and driving environment.
- Do not use the position lamp instead of the low beam lamp, otherwise there is a risk of accidents.
- The high beam lamp will dazzle the vehicle driver in the opposite direction at a short distance, which is easy to cause accidents. Please use it reasonably.
- When passing through sharp turns, sloping roads, arch bridges, crosswalks or intersections without traffic signals, high beam lamps and low beam lamps shall be used alternately.

NOTICE

- When the vehicle is not working, do not light up the light for a long time to avoid excessive discharge of the battery.
- When it rains or the vehicle is washed, fog may form in the light transmission mirror of the lamp, which is the same as fogging on the glass in wet weather. It is not a function problem. The heat when the lamp is turned on can remove the fog. If water is accumulated inside the lamp, please contact the CENNTRO authorized service center for troubleshooting.

Roof Light

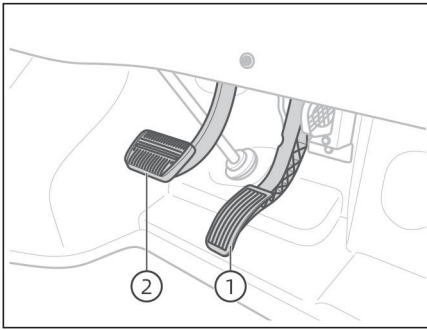


When the key is at the "ACC" position, press the ① end of the roof light switch to turn on the roof light; press the ② end of the roof light switch to turn off the roof light.

⚠ WARNING

- This function is used to increase the brightness of the field of vision for wide fields, but it is not allowed to be used on normal roads. The brightness of this lamp will seriously affect the vision of vehicles ahead.

Pedal



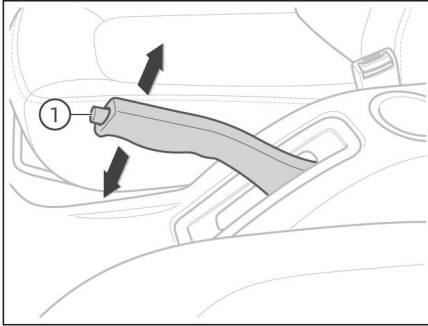
① Accelerator pedal

② Brake pedal

⚠ WARNING

- Do not put any objects in the driver's foot space to prevent them from slipping into the pedal area and obstruct the driver from operating the pedal, thus causing a traffic accident.
- Before driving, make sure that all pedals can be stepped to the bottom and released at any time without obstacles.
- The driver must wear appropriate shoes that are sensitive to pedal movements.
- Do not rest your feet on the brake pedal when driving the vehicle, otherwise the brake temperature will rise to an abnormally high level, which will cause excessive wear of the brake friction plate and increase the braking distance.
- Continuous use of the brake will cause overheating of the brake and result in temporary failure of the braking performance.

Parking Handle



Apply the parking brake: pull up the parking handle to the locking position.

Release the parking brake: press the parking handle button ①, gently press and release it downwards at the same time.

NOTICE

- Make sure the parking brake is completely released before driving, otherwise the brake components will overheat during driving, which will affect the braking performance and aggravate the wear of the brake.
- When parking on a slope, step on the brake pedal with your foot. Do not use the accelerator pedal to keep the vehicle stationary on the ramp, which may overheat the motor and cause failure.

Safety Belt

Instructions on Safety Belt

Safety belt is the main safety protection device, which can effectively reduce accident injuries. When driving the vehicle, you must wear the safety belt correctly.

⚠ WARNING

- Each safety belt is provided only for one person. Do not share the safety belt with more than one person (including the child).
- Please maintain the correct sitting posture to ensure that the safety belt can provide the maximum protection in case of emergency braking or accident.
- It is forbidden to sit in the seat for which the safety belt fault has not been repaired.

⚠ WARNING

- It is forbidden to install, dismount, refit, disassemble or discard the safety belt without authorization.

NOTICE

- Check the safety belt regularly.
- If the safety belt system does not work properly, it is recommended to immediately contact the CENNTRO authorized service center for maintenance or replacement.
- The safety belt system (including bolts) of the vehicle which has suffered a serious collision accident must be replaced. Replace the entire assembly even if there is no obvious damage.

Driver's Correct Sitting Posture

1. Adjust the seat position so that the pedal can be easily operated and the elbow can be slightly bent when holding the steering wheel.
2. Adjust the seat back so that you can sit up straight and operate the steering wheel without leaning forwards.
3. Wear the safety belt correctly.

Passenger's Correct Sitting Posture

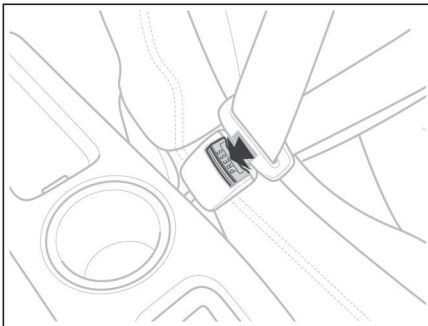
1. Adjust the seat position so that the passenger can keep a proper distance from the instrument panel.
2. Adjust the seat back so that the passenger can sit straight and the back can fully fit the seat back.
3. Wear the safety belt correctly.

▲WARNING

- During driving, please keep correct sitting posture and keep your back close to the seat back, otherwise serious injury may be caused in case of emergency braking or accident.
- The driver shall keep a proper distance from the steering wheel.
- It is forbidden to place the cushion on the seat.

Wear the Safety Belt Correctly

1. Adjust the correct sitting posture.
2. Slowly pull out the safety belt, bypass the chest and hips, insert the lock tongue into the lock tongue until you hear a "click" sound, and lock the safety belt.
3. Pull the safety belt in the opposite direction to confirm that the safety belt is locked successfully.
4. Adjust the position of the safety belt.
 - » The shoulder belt portion of the safety belt shall cross the whole shoulder obliquely, but shall not touch the neck or slip from the shoulder.
 - » The lap belt portion of the safety belt shall cross the hips as low as possible.

Unfasten the Safety Belt

1. Hold the safety belt, press the red button beside the lock tongue, and the lock tongue will pop out automatically.
2. Slowly bring the safety belt back into the retractor.

⚠ DANGER

- It is forbidden to place the shoulder belt portion of the safety belt under the arm.
- The lap belt portion of the safety belt shall cross the hips as low as possible. If the position is too high or it is too loose, it will cause serious personal injury or even endanger the life of the driver and passengers due to body slip in case of vehicle collision or other accidents.
- It is forbidden to unfasten the safety belt when the vehicle is driving or before it is completely stopped.

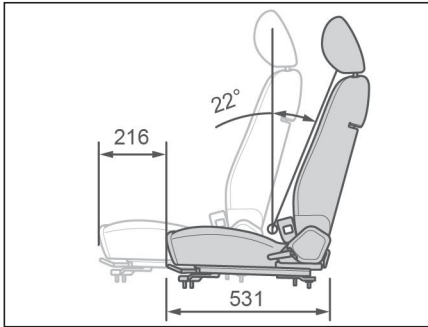
⚠ WARNING

- After the lock tongue pops out, slowly retract the safety belt by hand to avoid accidental injury to driver and passengers when the safety belt is rapidly retracted.
- Patients and disabled persons should follow the doctor's advices and wear safety belts correctly.
- When the pregnant woman wears the safety belt, the shoulder belt portion of the safety belt should cross the entire shoulder obliquely, and the lap belt portion of the safety belt should cross the hips as low as possible and avoid touching the protruding abdomen. The safety belt must be flat and not oppress the lower body of pregnant woman.
- It is forbidden to place anything between the body and the safety belt.

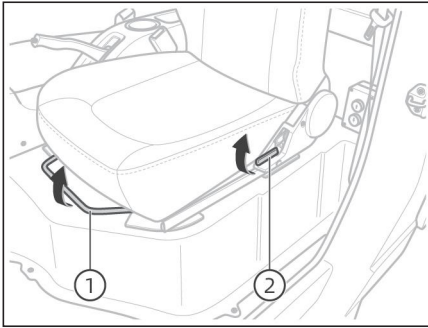
NOTICE

- If the safety belt cannot be retracted smoothly, check whether it is warped or twisted. If the safety belt system does not work properly, it is recommended to immediately contact the CENNTRO authorized service center for maintenance or replacement.
- If the safety belt on the driver's or front passenger's side is not fastened, the reminder function of unfastened safety belt will be activated.

Seat



The initial design status is shown in the figure.



Adjust the front and rear position of the seat: pull up the seat position adjusting rod ①, slide the seat to the desired position, and then release the adjusting rod.

Adjust the seat back angle: pull up the seat back angle adjusting handle ②, and use the back pressure to tilt the seat back forwards or backwards. After adjusting the seat back to the desired position, release the handle.

▲WARNING

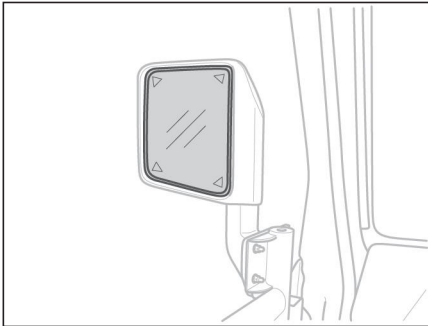
- It is forbidden to adjust the seat during driving, otherwise the seat may move unexpectedly, causing the driver to lose control of the vehicle.
- It is forbidden to tilt the seat back excessively, otherwise the lap belt portion of the safety belt may slip over the hips and directly strangle the abdomen, or the shoulder belt portion of the safety belt may touch the neck, thus increasing the risk of serious injury or even endangering life in the event of an accident.
- Make sure there is enough space for the feet to avoid being pinched.
- Do not put your hands under the seat or near moving parts and components to avoid being pinched.

⚠ WARNING

- When adjusting the angle of the seat back, ensure that the back is close to the seat back to prevent unnecessary injury caused by the rapid folding of the seat back.
- After adjusting the seat, try to push the seat and seat back forwards and backwards, and confirm that the seat and seat back are locked firmly.

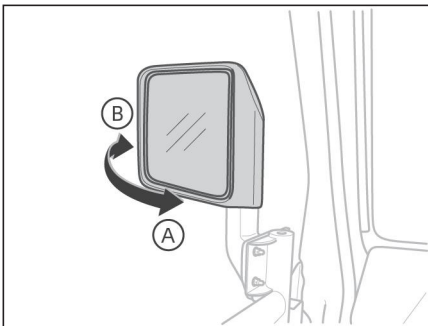
Exterior Rearview Mirror

Adjust the Exterior Rearview Mirror



Press the four corners of the exterior rearview mirror by hand, and adjust the exterior rearview mirror to the position suitable for the driver's vision.

Fold and Unfold the Exterior Rearview Mirror

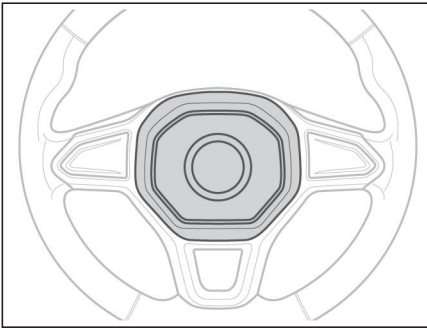


After parking or driving in special road sections, pull the exterior rearview mirror towards the rear of the vehicle (e.g. - Arrow A -) and fold the exterior rearview mirror.

Before driving, pull the exterior rearview mirror towards the front of the vehicle (e.g. - Arrow B -) to unfold the exterior rearview mirror.

⚠ WARNING

- Before driving, make sure that the exterior rearview mirror is unfolded and the lens angle is adjusted according to the driver's position.
- During driving, do not fold the exterior rearview mirror to avoid distracting the driver and causing an accident due to the loss of control over the vehicle.

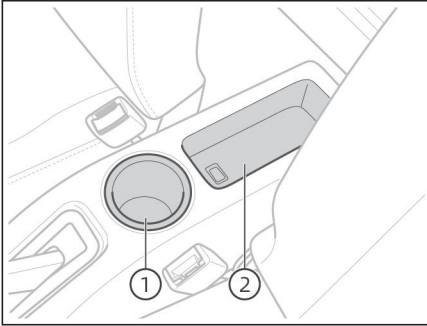
Horn

Press the horn switch and the horn sounds.

NOTICE

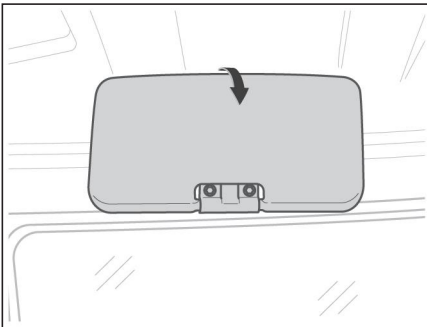
- The horn is used to give an alarm in advance in case of driving in special road sections or any emergency to ensure traffic safety. When the vehicles ahead stop and wait in line or drive slowly, the driver should stop the vehicle to wait or drive in turn. Please do not honk to urge the vehicles and pedestrians ahead.

Storage Space



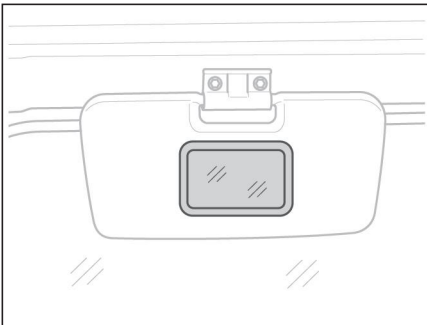
- ① Cup holder
- ② Storage tank

Sun Visor



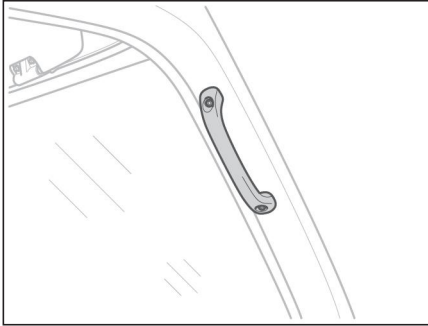
The sun visors are located above the driver's side and the front passenger's side. Turning down the sun visor can block the dazzling light from the front.

Make-Up Mirror



After the sun visor is turned down, the make-up mirror can be used.

Safety Handle



When the vehicle is driving fast or on bumpy roads, you can use the safety handle to keep your body balanced.

Charging

Precautions for Charging

⚠ WARNING

- Please use charging equipment that meets the requirements of laws and regulations for charging, otherwise it may lead to failure of charging, and in serious cases, it may cause vehicle damage or personal injury. If necessary, please contact CENNTRO authorized service center.
- It is forbidden to modify or disassemble the charging connection device and charging equipment without permission. When the charging equipment is faulty, please contact the manufacturer of the charging equipment. It is forbidden to attempt to solve the problem by yourself.
- It is forbidden to charge when the charging equipment is damaged, rusty, wet, with foreign matters or in any damaged condition.
- It is forbidden to charge when the charging cable and plug surface are broken, the socket surface is damaged, rusted, cracked or the connection is too loose.
- It is forbidden to charge when the charging gun and the charging port of the vehicle are deformed, blackened or ablated, otherwise the vehicle or charging equipment may be damaged, and personal injury may occur in serious cases. If necessary, please contact CENNTRO authorized service center.
- The charging equipment must be well grounded during use.

⚠ WARNING

- It is forbidden to charge in the place where there are inflammable materials. It is recommended to charge in the ventilated place.
- Minors are not allowed to use the charging device and they are also not allowed to approach during charging.
- It is forbidden to charge in the open air in thunderstorm weather, otherwise it may lead to failure of charging, and in serious cases, it may cause vehicle damage or personal injury.
- When charging after rain, please confirm whether there is water entering the charging port. It is forbidden to charge when there is obvious water stain in the charging port, otherwise it may lead to failure of charging, and in serious cases, it may cause vehicle damage or personal injury.
- During charging, if the vehicle has peculiar smell or smoke, please stop charging immediately and contact the CENNTRO authorized service center.
- After charging, do not disconnect the charging device with wet hands or while standing in water, otherwise electric shock may occur and personal injury may be caused.
- Do not directly pull the charging cable to move the charging connection device. Handle it with care.

⚠ CAUTION

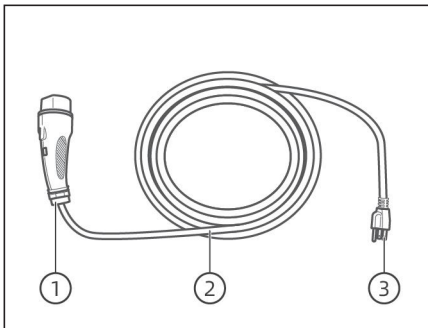
- When the instrument displays low battery, please charge it as soon as possible. Do not charge after the battery is completely exhausted, otherwise the service life of the battery system will be affected.
- Before charging, please check whether the charging gun and the vehicle charging port are clean and free of foreign matters, otherwise it may cause charging failure or damage to the vehicle charging port.
- During charging, do not use the high-pressure flushing device to flush the charging port, otherwise it may lead to failure of charging and damage to the vehicle or charging equipment in serious cases.
- Before starting the vehicle, make sure that the charging device is disconnected and the charging port cover is closed.
- Please carefully read and observe the relevant operation methods and precautions of the charging equipment.

⚠ CAUTION

- The vehicle can only be charged when it is parked.
- When the battery temperature is low, full power charging may not be possible at the beginning of charging. During charging, the charging power will increase as the battery temperature increases.
- The charging shall avoid the peak power consumption as possible. The grid voltage is unstable during the peak power consumption period, which may cause the charger to start the power reduction charging mode and prolong the charging time accordingly.
- This vehicle model supports a variety of charging modes. Different charging modes will lead to different charging time. The most appropriate charging mode can be selected according to the actual vehicle configuration. This vehicle model does not support DC fast charging.

Charging Device

This vehicle supports AC charging with on-board charging device.



- ① Charging gun
- ② Charging cable
- ③ Charging plug

⚠ WARNING

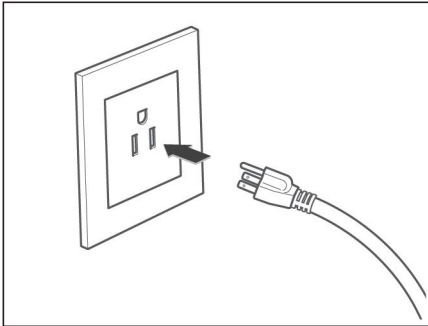
- Do not use the charging device in the sun or in a closed environment.
- Do not refit the charging device without permission, otherwise it may cause danger.
- Please wait for the vehicle to enter the normal charging state before leaving.

⚠ WARNING

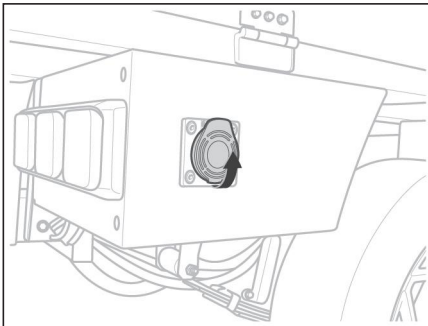
- When a separate charging device is used for charging, the power supply capacity of the power supply socket shall be 16A and the power shall be above 2.5kW. The AC power supply terminal shall be equipped with a leakage protector. It is strictly prohibited to use 10A power supply socket for charging.

Charging With On-Board Charging Device

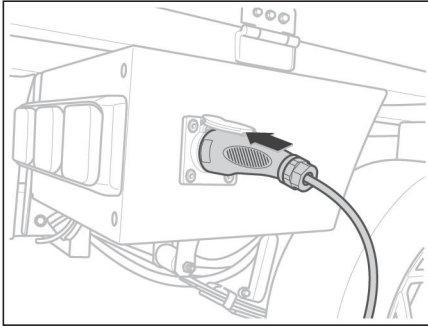
1. When the vehicle is powered off, the key is at "OFF" position.



2. Take out the charging device and insert the charging plug into the power supply socket with reliable grounding wire.

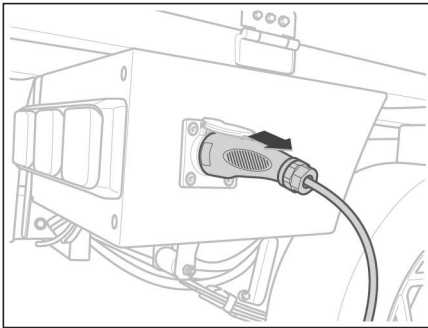


3. Open the charging port cover at the rear right side of the vehicle.

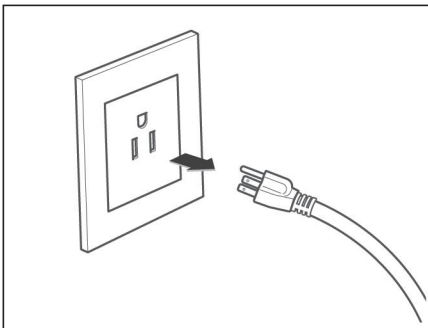


4. Insert the charging gun into the vehicle charging socket.

5. Check the charging status indicator lamp of the instrument to scroll and display "charging". The charging details column displays the current charging current, current voltage, residual power and other information. Please wait for the vehicle to enter the normal charging state before leaving.



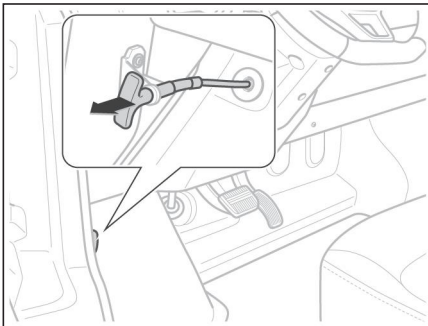
6. After the vehicle is fully charged, pull out the charging gun.



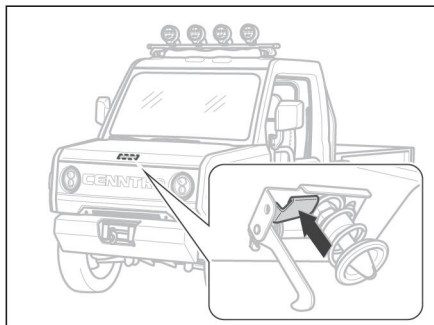
7. Pull the charging plug out of the power supply socket, sort out the charging device and complete the charging.

⚠ WARNING

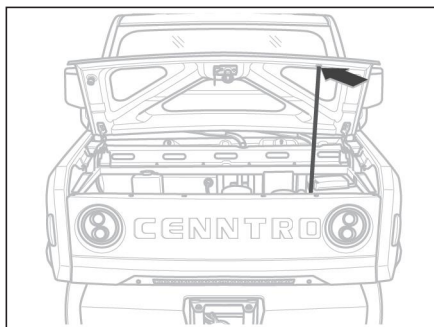
- The on-board power battery charger is located on the right side of the frame. The optimal ambient temperature for charging the lithium power battery is 10 °C ~40 °C . It is recommended to charge the vehicle immediately after use. In winter, when the ambient temperature is below 0 °C , it is recommended to charge the vehicle indoors and immediately after use.
- Charging is prohibited when the ambient temperature is above 45 °C .
- Civil AC-110/220V single-phase AC power supply with reliable grounding wire must be used for charging, and 380V three-phase AC power supply is strictly prohibited.
- When using the charging equipment, some modules may generate electric sparks inside. To avoid accidents, please do not charge at the gas station and the places where there are flammable gases or liquids.

Front Cabin Cover**Open the Front Cabin Cover**

1. Pull up the front cabin cover unlocking handle in the cab to unlock the front cabin cover.



2. Stand in front of the vehicle (facing the front of the vehicle), stretch your hand into the area shown in the figure, pull the secondary lock unlocking handle in the direction of the arrow shown in the figure, and lift the front cabin cover upwards at the same time.



3. Take out the support rod and insert it into the position shown in the figure to fix the front cabin cover.

Close the Front Cabin Cover

Hold the front cabin cover with hands and retract the support rod. Lower the front cabin cover to a height of about 30cm above the front grille, and release your hands to let it fall freely for locking.

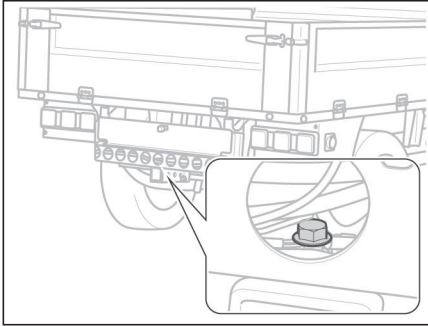
⚠ WARNING

- Before driving, check and confirm that the front cabin cover has been installed in place, otherwise the front cabin cover may suddenly open during driving, causing an accident.

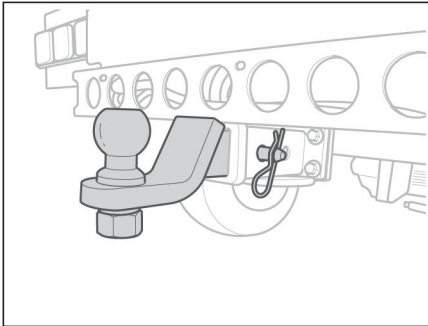
NOTICE

- Before closing the front cabin cover, make sure that there are no tools, waste cloth, etc. left in the front cabin.

Rear Trailer Hitch Ball



1. Loosen the fixing bolts of the rear trailer hitch.



2. Insert rear trailer hitch and fit hitch ball .

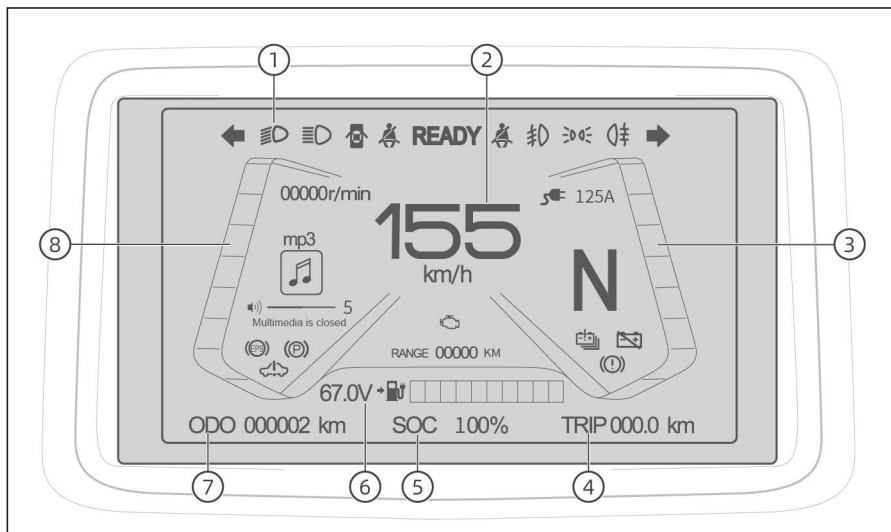
3. Tighten the fixing bolts of the rear trailer hitch.

⚠ WARNING

- The towing weight shall be less than 1000kg.
- Requirements for towing road: the road surface shall be flat, and the towing operation is not allowed on the uphill and downhill roads.
- Correct driving mode: the goods must be towed directly right behind the vehicle, and it is not allowed to pull sideways.


Instrument










Instrument View




- ① Instrument indicator/warning lamps
- ② Speedometer
- ③ Ammeter
- ④ Subtotal mileage
- ⑤ Power display
- ⑥ Voltmeter
- ⑦ Total mileage
- ⑧ Tachometer

Instrument Indicator/Warning Lamps

Icon	Description	Notes
	Left turn indicator lamp	Turn on the left turn signal lamp, and this indicator lamp will light up. When the hazard warning lamp is turned on, the left turn indicator lamp and the right turn indicator lamp flash simultaneously.
	Right turn indicator lamp	Turn on the right turn signal lamp, and this indicator lamp will light up. When the hazard warning lamp is turned on, the left turn indicator lamp and the right turn indicator lamp flash simultaneously.
	Low beam indicator lamp	Turn on the low beam lamp, and this indicator lamp will light up.
	High beam indicator lamp	Turn on the high beam lamp, and this indicator lamp will light up.
	Position lamp indicator lamp	Turn on the position lamp, and this indicator lamp will light up.
	Front fog lamp indicator lamp	Turn on the front fog lamp, and this indicator lamp will light up.
	Rear fog lamp indicator lamp	Turn on the rear fog lamp, and this indicator lamp will light up.
R	Reverse gear indicator lamp	When the gear is switched to R gear (reverse gear), this indicator lamp will light up.
N	Neutral gear indicator lamp	When the gear is switched to N gear (neutral gear), this indicator lamp will light up.
D	Drive gear indicator lamp	When the gear is switched to D gear (drive gear), this indicator lamp will light up.

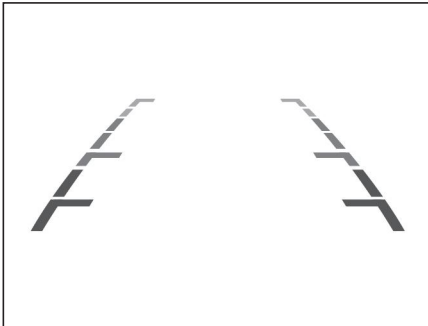
Icon	Description	Notes
	Safety belt unfastened indicator lamp	If the indicator lamp is on at corresponding side, it indicates that the driver or front passenger is not wearing a safety belt.
	Door open indicator lamp	If this indicator lamp is on, it indicates that the door is open.
READY	Ready indicator lamp	If this indicator lamp is on, it indicates that all power systems of the vehicle are working normally and the vehicle is in a driveable state.
	Charging cable connection indicator lamp	If this indicator lamp is on, it indicates that the charging gun is plugged in and the charging cable is connected.
	Power battery fault indicator lamp	If this indicator lamp is on, it indicates that the temperature of power battery is high, and the voltage is low etc.
	Vehicle main relay disconnection indicator lamp	If this indicator lamp is on, it indicates that the power battery, controller and high-voltage insulation are in fault, thus causing disconnecting the battery main relay.
	Brake system fault indicator lamp	If this indicator lamp is on, it indicates that the brake fluid level is low or the vacuum booster system is faulty.
	EPS fault indicator lamp	If this indicator lamp is on, it indicates that the electric power steering column is faulty.
	Parking brake indicator lamp	If this indicator lamp is on, it indicates that the vehicle has applied the parking brake.
	Vehicle body fault alarm indicator lamp	If this indicator lamp is on, it indicates that the controller system and CAN bus are faulty.

Icon	Description	Notes
	Vehicle body fault alarm indicator lamp	If this indicator lamp is on, it indicates that the controller system and CAN bus are faulty.

NOTICE

- Self inspection will be carried out when the vehicle starts, and some instrument warning lamps will light up briefly and then go out automatically. If there is still an warning lamp on the instrument after startup, please contact the CENNTRO authorized service center for maintenance according to the actual situation.
- Some instrument indicator/warning lamps will only be provided on vehicles equipped with relevant configurations. Please refer to the actual vehicle.

Reversing Camera*



The reversing camera system can display the video image behind the vehicle in the instrument to help the driver master the road conditions behind the vehicle and improve the reversing safety.

When the gear is switched to "R", the reversing camera will be automatically turned on; after exiting the "R" gear, the reversing camera will be automatically turned off.

⚠ WARNING

- The reversing camera system cannot replace the driver's observation of the surrounding environment. The driver should focus on reversing safety according to the actual situation.
- The rear view camera has a blind area, so you must pay special attention to children or small pets around when reversing.
- Vertical objects with high positions, such as wall flanges, may not be displayed in the reversing camera system.

⚠ CAUTION

- Do not add accessories, stickers (including transparent stickers) or other objects to the camera or its surrounding area.
- Do not strongly impact the camera or its surrounding area. If the camera is strongly impacted, please contact the authorized service center for maintenance.
- The camera surface shall be kept clean and unobstructed at all times. Use a soft wet cloth to clean the camera, so as to avoid scratching the camera.
- Do not use the high-pressure washer to clean the rear view camera for a long time, and keep at least 30cm away from the rear view camera during cleaning.
- After disassembling the camera or its mounting bracket, the camera must be adjusted and calibrated.
- Special tools and equipment are required for camera adjustment and calibration. It is recommended to contact the authorized service center for relevant work.

Running-In Period

To ensure the service life of the vehicle, the vehicle shall be run in at the initial stage of driving.

- During the first 500km running-in period, drive the vehicle at medium and low speeds as possible.
- Do not exceed the running-in speed of 30km/h, and pay attention not to exceed the speed limit specified by traffic laws.
- Start slowly to avoid rapid acceleration, emergency braking and long-time high-speed driving.
- Do not overload.
- Avoid towing vehicle.

Inspection Before Driving

It is necessary to check the vehicle before driving. A few minutes of inspection will help you drive safely and enjoy driving.

- Inspection around the vehicle
 - » Check whether the tire is damaged or the inflation pressure is appropriate, and whether foreign matters are embedded in the tread. Take corrective measures if necessary.
 - » Check whether the tire nut is loose.
 - » Make sure that the rearview mirror and combination lamp are clean and not covered.
 - » Park the vehicle for a period of time, and check whether there are abnormal phenomena such as water or other liquid leaks at the chassis of the vehicle.
 - » Check the chassis for foreign matters.
 - » Check whether the front combination lamp, rear combination lamp and other lamps work normally.
- Inspection inside the vehicle
 - » Check whether the accompanying tools are complete.

- » When starting the vehicle, check whether the instrument indicator/warning lamps are normal.
- » Check whether the brake fluid and windshield washing liquid are sufficient.

Essentials on Driving

Drive carefully, pay attention to the traffic, road and weather conditions, and keep a sufficient distance from the vehicle in front.

Drive slowly in the upwind to control the vehicle.

Slow down when passing rough roads to avoid damaging tires or wheels.

Be careful when accelerating or braking on smooth roads. Sharp acceleration or braking will cause the vehicle to slip or pull to one side.

Drive at a uniform speed as possible to ensure the lowest power consumption.

According to different driving conditions, it is recommended to carry a number of necessary emergency tools or items.

Strictly abide by road traffic safety regulations.

Start the Vehicle

1. After entering the vehicle, close the door, adjust the correct sitting posture and fasten the safety belt.
2. Place the gear shift knob in "N" gear.
2. Turn the key to the "ON" position, the "READY" indicator lamp on the instrument will light up, and the vehicle will start successfully and can shift gears.

Starting

1. Start the vehicle.
2. Check whether the indicator/warning lamps in the instrument are normal, and check the battery power.
3. Step down the brake pedal, and rotate the gear shift knob to the corresponding

gear.

4. Release the brake pedal and the parking handle.
5. Gently step on the accelerator pedal to start driving.

⚠ WARNING

- When starting, gently step on the accelerator pedal to accelerate slowly, and never step on the accelerator pedal violently.
- When starting on the ramp or there is a risk of slipping, step on the brake pedal after releasing the parking handle.

Parking

1. Step on the brake pedal, stop the vehicle, and switch the gear shift knob to "N" gear.
2. Turn the key to the "LOCK" position and turn off the power system.
3. Pull up the parking handle and release the brake pedal.

⚠ CAUTION

- When parking, observe whether there are pedestrians or obstacles nearby to avoid accidents.
- Park the vehicle at a proper position to avoid obstructing other vehicles' driving and parking.
- Turn off all lamps and check the indicator lamps and text messages on the combination instrument.
- Remove the key when leaving the vehicle, and park the vehicle in the place with lighting at night.
- When parking on the road with shoulder, the uphill road or downhill road, the steering wheel should be turned to the sidewalk, and the wheel should be blocked with a block.
- Do not leave children alone in the vehicle. Please pull out the key and take it with you when leaving the vehicle.

⚠ CAUTION

- Take valuables with you and do not leave them in the vehicle.
- If you have to stop in case of any emergency, choose the road section without blind area. After stopping steadily, turn on the hazard warning lamp to remind passing vehicles to pay attention to safety. The passengers should also get off as quickly as possible to ensure that there is no vehicle behind you before getting off.

Driving in Rainy Days

When driving in rainy days, do not violently step on or quickly release the accelerator pedal, and do not brake or turn the steering wheel sharply. If it is necessary to reduce the speed, release the accelerator pedal slowly, and then step on the brake pedal several times in succession to control the speed and prevent rear end collision.

When it starts to rain, the road becomes slippery and you should reduce your speed.

In cloudy days, rainy days with heavy rain and fog and poor visibility, turn on the low beam lamps in time.

When it rains, the visibility is reduced, the windows are easy to fog and the road is wet, so you should drive carefully.

When it rains, clean the exterior rearview mirror in time to prevent the rain drops on the rearview mirror from affecting the driver's vision.

When the rain is too heavy or there is thunder and lightning, it is necessary to stop the vehicle at the place without stagnant water to prevent the vehicle from being flooded, and turn on the hazard warning lamp to remind the rear vehicles to pay attention.

After driving out of the waterlogged road section, pay attention to stepping on the brake pedal gently to check whether the brake function is normal. When the brake friction plate is wet, the braking efficiency will be significantly reduced, and accidents are easy to occur.

Before driving into the waterlogged road section, the depth of stagnant water must be determined, and the height of stagnant water shall not exceed the lower edge of the vehicle body.

The speed of driving into the waterlogged road section shall not exceed the walking speed.

After a rainy day, the vehicle shall be cleaned in time to prevent acid substances in the rain from corroding the body paint.

Driving in Foggy Days

Before driving, check the vehicle lighting system, turn on the position lamp and low beam lamp, and use the light to improve visibility, so as to avoid traffic accidents.

Avoid driving vehicles in dense fog weather to avoid traffic accidents.

When driving in foggy days, do not violently step on or quickly release the accelerator pedal, and do not brake or turn the steering wheel sharply. If it is necessary to reduce the speed, release the accelerator pedal slowly, and then step on the brake pedal several times in succession to control the speed and prevent rear end collision.

Do not turn on the high beam lamp when driving in fog.

When driving in fog, slow down. If necessary, honk the horn to remind other pedestrians and vehicles. When you hear the horn of other vehicles, you should also honk the horn immediately to respond and indicate the position of your vehicle.

When driving in fog, drive in the middle of the road to avoid collision with vehicles temporarily parked on the roadside waiting for the fog to disperse. When driving in fog, please control your speed and comply with relevant laws and regulations.

Driving in Hot Seasons

Do not wear slippers or high-heeled shoes to drive the vehicle.

In summer, the tire pressure will increase with the increase of temperature, and tire burst is easy to occur. After driving for a certain distance, stop to check the tire pressure, and drive after the tire temperature drops.

In hot summer, it is necessary to frequently check whether the vehicle circuit is short circuited or aged, whether the connector is loose, and whether the battery is in normal working condition, so as to prevent spontaneous combustion of the vehicle.

When parking, pay attention to check whether there are dangerous and flammable

objects around.

In hot seasons, avoid exposing the vehicle to the sun for a long time. At the same time, please do not place objects such as lighters, paper scraps, cloth toys, perfume, etc. on the dashboard and nearby.

If it is unavoidable to expose the vehicle to the sun, the front of the vehicle can be turned to the shade or the aluminum foil sun visor can be selected when parking, and the wiper arm can be raised to prevent the wiper blade from aging or even deformation in advance.

Driving in Cold Seasons

Before driving in winter and other cold seasons, carefully check the safety equipment of the vehicle: steering, braking, lights, instruments, horns, wipers, etc.

The road is slippery after snow in winter. During driving, pay attention to the steady speed and even operation. Do not speed up sharply, and implement emergency braking, sudden steering and other unstable operations. Accelerate steadily and keep driving at medium and low speeds.

Start and accelerate slowly to prevent tire slip and sideslip.

Check the condition of the battery frequently and keep the battery fully charged for starting.

The glass detergent containing antifreeze can be purchased at CENNTRO authorized service center and ordinary auto parts stores.

Prepare some equipment and tools for use in case of emergency. It is recommended to reserve the following equipment: anti-skid chains, window scrapers, sandbags, signal flashers, etc.

Stop the vehicle at the place free of snow and water to prevent the water from freezing and tearing the wheels.

Place a board at the tire to prevent accumulated snow.

Avoid parking the vehicle under a tree to prevent ice from falling and damaging the vehicle.

When parking, the wiper arm can be raised to prevent freezing on the windshield, so as to avoid tearing the wiper blade or damaging the motor. When driving in harsh environments such as snow or icy roads in winter, anti-skid chains can be

installed on the driving wheels (rear wheels).

Install anti-skid chains on tires to ensure balanced driving in various weather conditions. Keep in mind that the vehicle may not have enough power after anti-skid chains are installed. Drive carefully even if the road is in good condition.

When driving, do not exceed 30km/h or the maximum speed specified by the anti-skid chain manufacturer, whichever is lower. Do not exceed the speed limit, accelerate, decelerate or turn sharply.

When decelerating, use the brake pedal reasonably. Emergency braking on roads with snow or ice will cause the vehicle to spin off. Keep a proper safe distance from the vehicle in front, step on the brake pedal gently, and note that the anti-skid chains installed on the tires can provide a certain amount of friction, but can not prevent sideslip.

Use of anti-skid chains without proper specifications will adversely affect the performance and safety of the vehicle.

Do not use the anti-skid chains on dry ground. After driving to the snow-free road, please remove the anti-skid chains.

Different countries and regions have different regulations on tire anti-skid chains. Before assembling tire anti-skid chains, you should understand the local regulations.

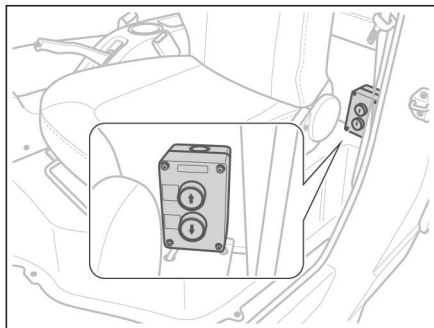
Energy Recovery

After the accelerator pedal is completely reset, the vehicle achieves slight energy recovery.

When the brake pedal is pressed, the energy recovery strength will gradually increase with the increase of braking strength after the brake signal is effective. When the vehicle recovers energy, the current value on the instrument will be displayed as a negative number.

03 Operation

Dumping Device*



After the vehicle starts, press the dumping device switch to operate the dumping bucket to rise and fall, so as to facilitate cargo loading and unloading.

⚠ WARNING

- Road requirements for dumping process: it must be on a hard and flat road.
- Loading requirements: the load shall be evenly distributed in the dumping bucket, and shall not be deviated forward, backward or to one side.
- Vehicle driving: It is strictly forbidden to go downhill at high speed with full load and suddenly brake. The turning speed should be less than 15km/h.
- During lifting, it is strictly forbidden to stretch your head and hand into the space below the dumping bucket.
- In the process of dumping operation, after the dumping bucket is lifted to the top position and reset, it is necessary to immediately return the operating switch to the original position, otherwise the dumping motor may be burnt.

Winch Safety

These safety warnings and instructions apply if your vehicle came equipped with a winch or if you choose to add an accessory winch to your vehicle.

⚠ WARNING

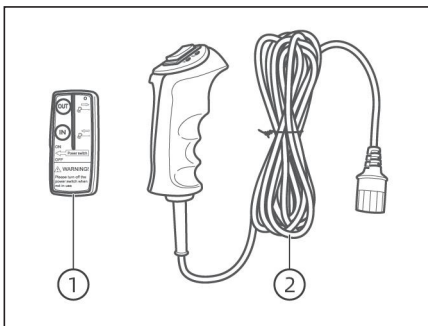
- Improper winch use can result in SEVERE INJURY or DEATH. Always follow all winch instructions and warnings in this manual.

Precautions for Use of Winch

⚠ WARNING

- The winch can only be used for temporary rescue, not for towing.
- In order to prevent the winch rope from accumulating on the side of the winch motor and damaging the vehicle, keep towing straight as possible.
- When the winch is used for rescue, the rope must be hung with a rope flag, or something with a certain weight must be hung on it to prevent the vehicle or people from being hit after the rope is broken.
- To operate the winch motor, the vehicle must be powered on, otherwise the starting battery may be easily damaged. Pay attention when the winch tightens the rope. Stop the work in time after the rope is tightened in place to prevent damage to the trailer latch.

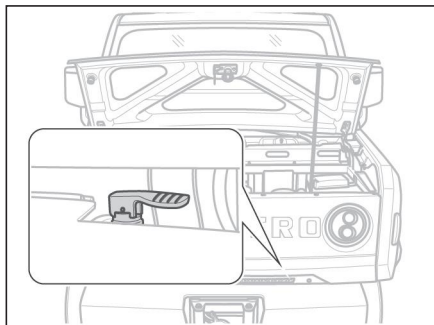
Winch Operation



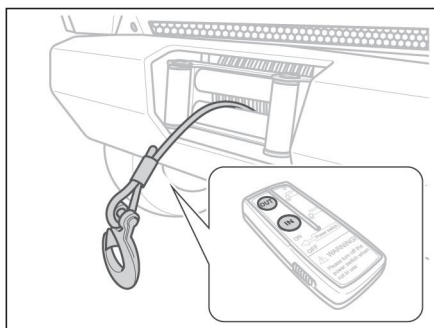
1. Take out the winch motor remote control or winch motor controller.

- ① Winch motor remote control
- ② Winch motor controller

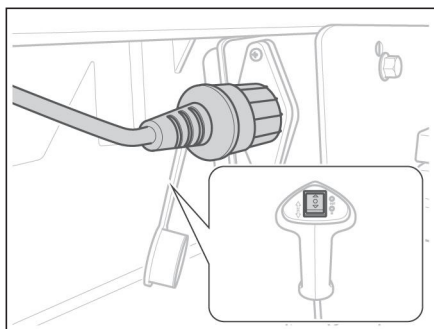
04 Winch Guide



2. Open the front cabin cover and confirm that the winch fuse is open (straight).



3. Pull out the trailer latch and winch rope.
 - » Use the winch motor remote control: press down the winch motor remote control "IN" or "OUT" to control the winch to tighten and loosen, and pull out the trailer latch and winch rope.



- » Winch motor controller: remove the rubber waterproof cap, connect the winch motor controller handle, operate the winch motor controller handle switch, control the winch to tighten and loosen, and pull out the trailer latch and winch rope.

4. Connect the trailer latch and the winch rope to the safety anchor point, slowly control the winch to tighten the winch rope and complete the escape.

Winch Maintenance

Before each use, always check the winch for wear or loose parts. If any parts need to be repaired or replaced, please do not use the winch.

Always check the winch rope for wear or twist before each use.

The winch is easy to get water inside, so it needs to be disassembled and maintained frequently, replaced with grease and checked the gears.

If the winch rope is folded or broken, it shall be replaced in time.

Try to avoid excessive wading.

Every time the winch is used, the winch rope must be reeled again to prolong the service life and find out the hidden danger of the winch in advance. If the winch and the rope are dirty, they must be thoroughly cleaned. Commonly use lubricants to help prevent rust and prolong service life.

⚠ CAUTION

- The use of worn or damaged cables may cause sudden failure and serious injury.
- For your safety, please be sure to use the genuine replacement parts provided by the CENNTRO authorized service center to replace the winch parts (including the winch rope).

Vehicle Cleaning

Clean the Vehicle

After driving, wash the vehicle in the cool place after the vehicle has cooled down sufficiently.

1. Flush the vehicle body, wheels and underbody with water from top to bottom to remove dirt and dust.
2. Use the sponge or soft cloth to scrub the vehicle body.
3. For the dirt that is difficult to remove, wash it with washing soap and rinse it with water.
4. Wipe the water off the vehicle body.

▲WARNING

- Check and confirm that the charging port cover of the vehicle has been closed before washing the vehicle.
- Please turn off the ignition switch before washing the vehicle. It is strictly forbidden to clean the front compartment components, the cab and the high-voltage battery pack.

NOTICE

- When cleaning the combination lamp, do not use gasoline, alcohol and other chemical solvents to wipe the surface of the combination lamp, otherwise the combination lamp shade will crack.
- Clean the lamp carefully to prevent scratching or crushing the lamp shade.
- Do not use organic substances or hard brushes to clean the lamp surface, otherwise the lamp shade may be damaged.
- Do not wax the lamp surface.
- The most important factor to protect the vehicle paint is the use of clean water. Only use cold or lukewarm water to wash the vehicle.
- Please use the vehicle washing area that does not damage the ecological drainage system.

Manual Flushing

In consideration of vehicle safety, vehicle cleaning is only limited to exterior surfaces such as exterior body, windows and interior trim surfaces. If you use vehicle washing agent, please use plenty of clean water to wash. Dry the vehicle with the dry cloth. Do not use a high-pressure water gun to clean the cab and the front compartment, so as to avoid the danger of system damage or electric shock caused by high-pressure water wetting the high-voltage electrical system.

Clean the Headlamp

To avoid damaging the headlamp plastic lens, do not use aggressive abrasives or chemical solvents. Do not wipe the lamp or use sharp objects to clean the lens when the mirror surface is dry.

Clean the Wheel

Depending on the time and mileage, clean the wheels once a week to avoid dust retention during braking. Use wheel cleaner or warm water and soft sponge. Do not use friction materials to avoid damaging special machined surfaces.

Clean the Instrument Panel and Other Interior Trims

When cleaning the instrument panel, gently wipe it with the clean and wet soft cloth.

Try to use mild neutral cleaning agent, and avoid using strong detergent or degreasing soap.

NOTICE

- Do not soak the interior trims during cleaning.
- Do not use the blade or other sharp objects to remove the dirt on the interior surface, otherwise the interior surface may be damaged.
- Do not wipe too hard, or the interior trims may be damaged.
- Do not use polishing wax or polishing detergent to clean the instrument panel, otherwise the instrument panel may reflect on the windshield glass, obstructing the driver's vision, causing serious injury or even endangering life.

Clean the Switch

When cleaning the switch, use a small soft brush to remove the dust on the button and switch.

Wipe the surface of the button and switch with a soft cloth dipped with disinfectant, and then wipe off the residual liquid with a clean soft cloth.

NOTICE

- Do not use spray to clean the switch panel directly, or electrical equipment may be damaged.

Clean the Window and Rearview Mirror

When cleaning the front and rear windshields, only use a soft cloth to wipe them. Do not use solvents or sharp objects to clean the glass.

Clean the rearview mirror with soapy water.

NOTICE

- Do not use abrasive cleaners to avoid damaging the glass and mirror surface.

Clean the Safety Belt

Use a sponge or soft cloth dipped in neutral soapy water or warm water to clean the safety belt. Check the safety belt regularly for excessive wear or cuts.

NOTICE

- The safety belt can only be rolled up after it is completely dry, otherwise the safety belt retractor may be damaged.

Leather Finishing Maintenance (Seat)

Wipe the leather surface with a wet cotton cloth and towel and dry it with a clean soft cloth. Extremely dirty surfaces can be cleaned with a neutral cleaning agent. For example, if the soap foam agent is regularly used for cleaning, it is recommended to use a special leather curing agent for leather maintenance every six months.

Do not get the leather too wet, especially take care not to let water enter the gap.

Vehicle Corrosion Protection

The vehicle has effective corrosion protection. However, in order to reduce the risk of corrosion, the following shall be observed:

- Regular vehicle washing can keep the body clean and prevent corrosion.
 - » If driving on roads containing saline alkali in winter or placing at the seaside, the vehicle shall be carefully cleaned at least once a month to reduce corrosion.
 - » Carefully clean the chassis regularly to remove the mud and dirt attached to the chassis and wheel housing.
 - » Clean the vehicle chassis in time after driving on ice and snow roads to prevent residual snow melting agent from corroding the vehicle.
- Check the paint and trims of the body.
 - » If the paint layer is found to have fragments or cracks, it is recommended to contact the CENNTRO authorized service center for repair to prevent corrosion.
- Keep the interior of the vehicle dry.
 - » Water and dust are easy to corrode the vehicle, so it should be checked frequently to ensure that it is dry and clean to prevent corrosion.
 - » When transporting chemicals, detergents, fertilizers, salts, etc., they must be stored in appropriate containers. If spillage or leakage is found, they must be cleaned immediately and kept dry.
- The fender shall be used.
 - » When driving in saline alkali areas or gravel roads, fenders can be used to prevent the adhesion of saline alkali substances and the impact of gravel on vehicle components.
- Park the vehicle in the well-ventilated garage or the place with a roof, and do not park the vehicle in a damp, airtight environment.

Long Term Storage of Vehicle

A good parking environment will help prevent the deterioration of the vehicle condition and make it easy to reuse the vehicle. If possible, please park the vehicle indoors. If the vehicle needs to be stored for a long time, the following preparations shall be made:

- Thoroughly clean and dry the exterior surface of the vehicle body. Clean the interior of the vehicle to ensure that the interior trims are completely dry.
- Before parking, make sure that the battery power of the vehicle is about 50%.
- Carry out maintenance once a month, fully charge the power battery, and then discharge it to about 50% before parking.
- The vehicle parking environment shall be kept dry and ventilated as possible and away from heat sources.
- Disconnect the negative pole of the low voltage battery.
- Use a towel or cloth to pad the front wiper blade so that it does not contact the windshield.
- Cover the body with a coat made of "porous material" such as cotton cloth. Non-porous materials such as plastic cloth will accumulate moisture and damage the body paint.
- If possible, start the vehicle regularly for a while (preferably once a month).
- If the vehicle has been parked for more than three months, please confirm whether the instrument alarms before reuse. If yes, please contact the CENNTRO authorized service center for maintenance.

Regular Maintenance and Regulations

Correct regular maintenance will help ensure that your vehicle is in the optimal condition, with higher reliability and longer service life. During the warranty period, you must carry out regular maintenance. If you do not carry out regular maintenance according to the manufacturer's requirements, the resulting vehicle damage will cause disputes on "three guarantees" service.

- Check the tire pressure regularly and inflate the tire as required.
- Maintain or repair the vehicle regularly.

- If the vehicle is driving under severe road conditions (such as dirt roads, mountainous roads or severe weather conditions), the required regular maintenance times shall be increased as appropriate.
- Keep good driving habits, and you can feed back any vehicle fault you find (brake fluid tank, washer fluid tank, reducer and other fluid leakage) to the CENNTRO authorized service center for timely treatment.

Rear Axle Oil Maintenance

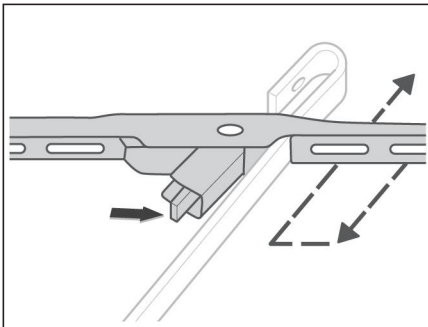
The gear oil of the rear axle oil shall be replaced during the first maintenance, and then every 6 months or 10000km.

Rear axle name	Oil model	Refueling volume
Integral rear axle	GL-5 85W/90	1.2~1.3L

Check the Wiper Blade

Slide the tip of your finger over the edge of the wiper blade to check the roughness of the wiper blade. Grease and silicone may prevent the wiper blades from working properly. It is recommended to use glass cleaning fluid to clean the wiper blades.

Replace the Wiper Blade



Raise the wiper arm and make the wiper arm at a right angle to the wiper blade. To remove the wiper blade, press the fixing clip as shown by the arrow, release the wiper blade and pull it away from the wiper arm in the opposite direction.

Regular Maintenance and Regulations

The first maintenance shall be carried out after 3 months or 5000km.

The maintenance shall be carried out every 6 months or 10000km (whichever comes first).

S/N	Maintenance items	Maintenance interval mileage (km)			
		10000	20000	30000	40000
1	Check whether the charging and discharging are normal, whether the drive motor works normally, and whether the drive motor and reducer are fastened	★	★	★	★
2	Visually check whether the power battery is damaged, and whether the high-voltage end harness is melted or rusted	★	★	★	★
3	Check whether the mounting bolts of MCU bracket are loose, whether the bolts of high-voltage bus and three wires are loose, and whether the high-voltage DC output (TO junction box) plug-ins and signal plug-ins are loose	★	★	★	★
4	Check whether the communication between the BMS and the whole vehicle is normal, whether the BMS sampling is normal, and whether the BMS system alarms	★	★	★	★
5	Check whether the bolt, high-voltage input connector and control signal plug-in are loose, whether the low-voltage DC output connection (including fuse) is loose, whether the harness and corrugated pipe skin are aging, cracking and falling off, and whether the harness terminal bolt is loose	★	★	★	★

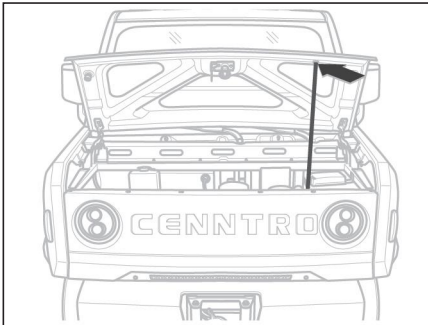
S/N	Maintenance items	Maintenance interval mileage (km)			
		10000	20000	30000	40000
6	Check whether the high and low voltage harnesses are normal, whether there is melting, corrosion, etc., and whether the contactor is normally engaged	★	★	★	★
7	Light inspection (high and low beam lamp, steering lamp, double flashing warning lamp, brake lamp, reversing lamp)	★	★	★	★
8	Check the horn	★	★	★	★
9	Check the steering wheel	★	★	★	★
10	Check all indicator lamps of the instrument	★	★	★	★
11	Check the controllability of the gear shift handle and parking handle	★	★	★	★
12	Check the brake pedal and accelerator pedal	★	★	★	★
13	Check the wiper blade and washer nozzle, and add detergent if necessary	★	★	★	★
14	Check all buttons on the dashboard (wiper switch, headlight combination switch, roof light switch, etc.)	★	★	★	★
15	Check whether the external door handle switch is operated freely	★	★	★	★
16	Check the exterior rearview mirror and interior rearview mirror	★	★	★	★
17	Check seat and safety belt	★	★	★	★

S/N	Maintenance items	Maintenance interval mileage (km)			
		10000	20000	30000	40000
18	Check the door lock and hinge	★	★	★	★
19	Check 12V battery	★	★	★	★
20	Check whether the charger + and DCDC work normally	★	★	★	★
21	Check whether the reducer oil leaks	★	★	★	★
22	Check the brake fluid level	★	★	★	★
23	Check the shock absorber	★	★	★	★
24	Check the brake friction plate	★	★	★	★
25	Check the hub bearing for abnormal noise	★	★	★	★
26	Check the tire pressure, appearance and tightening wheel bolt torque	★	★	★	★
27	Check the torque of the chassis bolts	★	★	★	★
28	Check the related pipelines of chassis for leakage	★	★	★	★
29	Check the steering tie rod	★	★	★	★
30	Check the steering knuckle ball joint sheath and clearance	★	★	★	★
31	Check whether the electric power steering works normally	★	★	★	★
32	Check the tire tread depth, and if abnormal, adjust the front wheel toe-in	★	★	★	★
33	Check whether the vacuum tank leaks	★	★	★	★

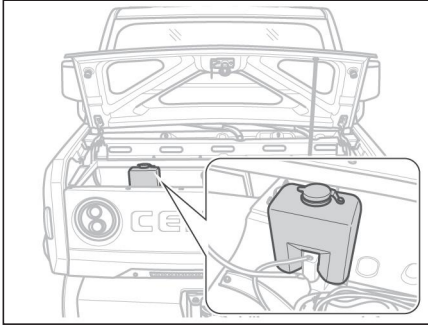
S/N	Maintenance items	Maintenance interval mileage (km)			
		10000	20000	30000	40000
34	Check the grease and bolts of the dumping mechanism shaft of the dump truck.(Add grease if the grease is insufficient)	★	★	★	★
35	Check the dump truck and dumping mechanism for abnormal wear	★	★	★	★
36	Check whether the front winch motor works normally	★	★	★	★

The rear axle oil must be replaced every 6 months or 10000km; the brake fluid must be replaced every 2 years or 40000 km (mileage or time whichever comes first); it is recommended to conduct tire rotation every 10000km; it is recommended to check the tire tread every 10000km and adjust front wheel toe-in in case of abnormal eccentric wear.

Fluid Addition



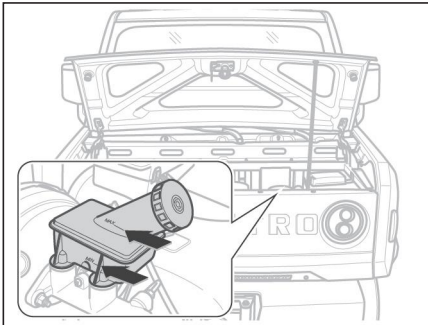
1. Open the front cabin cover, take out the support rod and insert it into the position shown in the figure to fix the front cabin cover.



2. Check the liquid level of the windshield washer. If there is too little detergent, add detergent.

⚠ WARNING

- Do not add any additives to the windshield detergent, or use other liquids to replace the detergent, otherwise oil stains or other debris will be left on the windshield glass during cleaning, which will affect the driver's vision.



3. Check the liquid level in the brake fluid reservoir. If it is lower than the "MIN" mark, please replenish the brake fluid (DOT4) to the position between the "MIN" and "MAX" mark.

⚠ WARNING

- The brake fluid must be stored in a container with marks and kept out of the reach of children.
- If the brake fluid splashes on your hands or eyes, wash the contact area with plenty of water immediately. If you still feel unwell, please seek medical advice.

NOTICE

- After the first maintenance of the vehicle, the brake fluid must be replaced every 2 years or 50000 km. If the vehicle is used in a particularly harsh environment, the brake fluid must be replaced every 1 year or 25000 km.
- When adding brake fluid, it must be absolutely clean. If the brake fluid drips onto the vehicle paint, clean the brake fluid with a clean wet towel.
- Waste brake fluid must be disposed of in accordance with environmental laws and regulations. Do not directly dump it in garbage dumps, sewers or on the ground.
- The brake fluid can absorb moisture. Therefore, if the vehicle is used in areas with high atmospheric humidity most of the time, the brake fluid should be replaced more frequently than usual.
- Check and fill the brake fluid at the CENNTRO authorized service center.

4. After the fluid is added, close the front cabin cover and lock it.

Tire Maintenance

Defective tires will increase driving risks, so you should develop the habit of maintaining tires regularly.

Tire Pressure

Check the tire pressure regularly to make it at the standard tire pressure. If it is found that the tire valve cap is lost, it shall be equipped in time.

⚠ DANGER

- Insufficient tire pressure will aggravate the tire deflection, and the tire is very easy to overheat, which may lead to tread shelling and tire burst. Too high or too low tire pressure will accelerate tire wear, reduce vehicle handling stability, easily lead to traffic accidents, cause injuries and even endanger life.

NOTICE

- When checking the tire pressure, the tire must be cold. When the temperature rises, the tire pressure is slightly higher than the specified pressure, but it is not necessary to reduce the tire pressure.
- When checking the tire pressure or inflating the tire, balance the weight of passengers and luggage, avoid the ramp section, and adjust the tire pressure according to the vehicle load.
- After checking the tire pressure or inflating the tire, be sure to install the tire valve cap back on the valve core.

Tire Damage and Failure Prevention

The damage of tires and rims often occurs covertly. The abnormal vibration or deviation of the vehicle during driving indicates that the tires may be damaged. If you suspect that the tire is damaged, be sure to reduce the speed immediately and stop to check the tire damage. If the damage cannot be seen visually, it is recommended to contact the CENNTRO authorized service center to check the tire as soon as possible.

When passing the curb or similar obstacles, the vehicle shall drive slowly along the vertical direction of the obstacles as possible.

Regularly check the tire damage status (such as: cut, wear, fall off, deformation or bulge).

Remove the sundries embedded in the tire tread groove regularly.

When checking the tires, make sure that the wheel nuts are not loose. Within the first 1000km of driving, regularly check for loose wheel nuts and tighten them to the specified torque.

When driving on a flat and straight road, it is necessary to align the wheels if the vehicle always leans to one side or you notice uneven or abnormal tire wear.

New Tire and Wheel

Make sure that the size, load range, rated speed and construction type of the new tire are as same as the original tire as possible.

Try not to replace only one tire, but at least two tires on the same axle at the same time.

Do not mix tires of different sizes or types nor mix tires suitable for summer, winter and all seasons.

After wheel installation for each time, check whether the tightening torque of wheel bolts meets the requirements.

⚠ WARNING

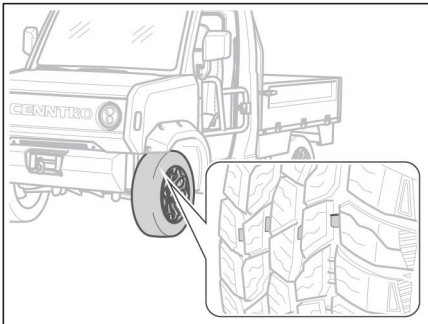
- It is forbidden to use tires that do not meet the specifications of the vehicle and have not passed the national product certification, otherwise accidents may occur.
- Under no circumstances should old wheels and tires of unknown origin be used, otherwise the driver may lose control of the vehicle and cause traffic accidents.
- Do not use recycled tires. As the service life of such retreaded tires goes by, the tire body may change, and the durability may also be limited and affect driving safety.

Tires Suitable for Winter and Summer

Tires suitable for winter and summer are designed according to their typical lane driving conditions in corresponding seasons. It is recommended to use tires suitable for winter in winter and tires suitable for summer in summer, otherwise the adhesion and braking capacity are poor.

If you decide to use tires suitable for winter or summer, all wheels shall use the tires suitable for winter or summer with the specifications matching the vehicle, and ensure that the tire pressure is at the standard tire pressure.

Tire Wear



A raised tread wear mark is set on the front of the tire. If the tread pattern is worn to the marked surface, it indicates that the tire can no longer be used safely and must be replaced immediately.

⚠ WARNING

- Do not use damaged tires and wheels, or use tires that have been worn to the tread wear mark to continue driving.

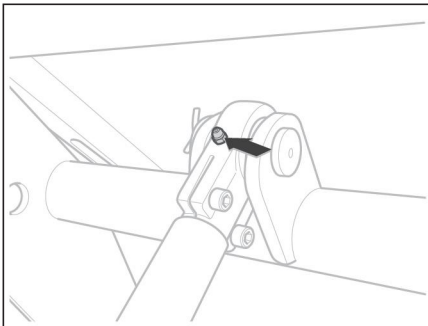
Tire Rotation

In order to avoid uneven tire wear and prolong the service life of tires, it is recommended to rotate tires regularly. If the wear of the front tires is more serious than that of the rear tires, the front and rear tires can be rotated to make the service life of all tires approximately the same.

Tire Storage

The removed wheels or tires should be stored in a dry place, preferably away from light.

Tires installed on rims shall not be stored upright, and tires not installed on rims shall be stored upright (tread touching the ground). Do not expose tires to chemicals, oil, grease, fuel and brake fluid.

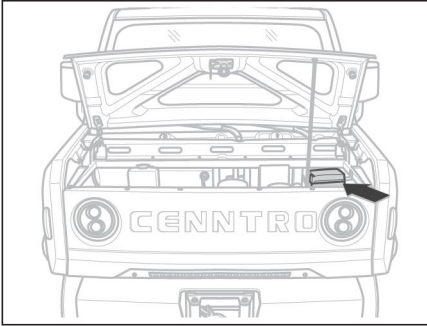
Maintenance of Dumping Device*

Check the lubricating oil of each rotating shaft, pin and shaft of ejector motor every 3 months. If there is no grease, please fill it with a grease gun in time.

⚠ WARNING

- In the process of maintenance or repair, it is necessary to use a safety brace (big wooden bar/iron bar) at the bottom of the dumping bucket to support it for maintenance or repair.

Check and Replace the Fuse



The circuit on the vehicle is equipped with fuses, which are respectively located in the front compartment fuse box and the starting battery fuse box, to prevent short circuit or overload from damaging the electrical equipment.

If the headlamp or other electrical components do not work, check the fuse. Turn off the ignition switch and ineffective components, and pull out the fuse with problems for inspection.

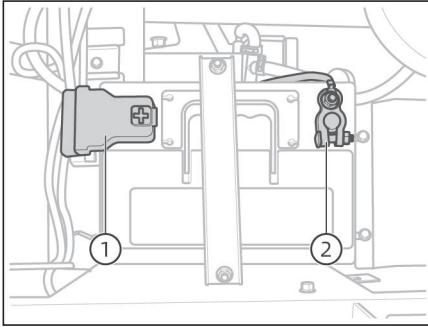
If the fuse has been burnt out, it must be replaced with a spare fuse (located in the front compartment fuse box) with the same rated ampere value.

⚠ CAUTION

- Only install fuses with the same amperage as specified on the fuse box cover. If a fuse with the same amperage cannot be found, use a fuse with a lower amperage, but replace it with the correct fuse as soon as possible.
- It is forbidden to use a fuse higher than the rated amperage, or use any other item to replace the fuse, otherwise it may cause vehicle damage, fire or personal injury.
- It is forbidden to use wires to replace fuses, even if it is temporary.
- Do not refit fuses or fuse boxes.
- It is recommended to purchase a set of spare fuses and put them in the vehicle for emergency use.
- The fuse box must be kept clean and protected from moisture.
- If the correct fuse is replaced and it is still blown within a short time or the electrical components do not return to normal operation, it indicates that the vehicle may have electrical system faults. It is recommended to contact the CENNTRO authorized service center.

Maintenance of Low Voltage Battery

Check Low Voltage Battery



Check the surface of the battery and the positive and negative terminals regularly to ensure that the positive and negative terminals of the battery are not loose or rusted.

- ① Positive terminal
- ② Negative terminal

Check the appearance of the battery for cracks, expansion, etc. In case of the above phenomena, it is recommended to contact the CENNTRO authorized service center for maintenance as soon as possible.

Replace Low Voltage Battery

Replace the battery with that of the same model and specification. It is recommended to contact the CENNTRO authorized service center to remove, replace or install the battery.

▲ CAUTION

- The battery must be recycled by a qualified unit to avoid environmental pollution and injury to the operator.

Storage of Vehicle

Due to natural discharge and the depletion effect of specific electrical equipment, the power stored in the battery will gradually be consumed even if the vehicle is not used. If the vehicle is idle for a long time, the battery may run out of power, causing the vehicle to fail to start. Therefore, disconnect the negative terminal of the battery, check the battery power regularly, and start the vehicle to charge the battery if necessary.

⚠ WARNING

- When removing the battery terminal, always remove the negative terminal first. If the positive terminal is removed in contact with any metal in the surrounding area, sparks may be generated to cause a fire, and electric shock may also be caused, causing serious injury or even endangering life.
- Turn off all electrical equipment on the vehicle before switching on the battery again. First connect the positive terminal, then connect the negative terminal. Do not install the battery in the wrong order, otherwise there is a fire hazard.
- The battery shall be kept away from heat source and open fire, and ventilation shall be kept during charging and use, otherwise fire or personal injury may be caused.
- Frequently check whether the fixing clip of the battery terminal is firm and in good contact to avoid sparks and battery explosion.
- The hydrogen generated during battery charging is flammable and explosive gas, so the battery should be taken off when using the charger to charge the battery.
- When working on the battery, be sure to wear safety goggles, and be careful not to let any battery electrolyte contact the skin, clothes or vehicle body.
- If the battery electrolyte contacts the skin or eyes, wash the contact area with water immediately and go to the hospital. Always cover the contact area with a damp sponge or cloth before seeking medical advice.
- After working on the battery bracket, terminals and other parts related to the battery, be sure to clean your hands.
- Do not lean over the battery.
- Keep children away from the battery.

NOTICE

- Avoid overcharging or long-term power loss of the battery.
- Avoid battery discharge with large current for a long time.
- The battery shall be firmly installed on the vehicle to avoid vibration.
- The oxides and sulfates produced by the fixing clips of the battery terminals must be cleaned and coated with Vaseline to avoid corrosion again.
- When driving in cold areas, do not fully discharge the battery to avoid freezing the battery electrolyte.

Maintenance of Power Battery

The power battery used in this vehicle is lithium power battery.

The driving mileage mainly depends on the following factors:

- The power battery capacity of the vehicle.
- Road conditions and working conditions of the vehicle.
- Ambient temperature: It is normal that too high or too low ambient temperature will reduce the driving mileage of the vehicle.
- Driving habits: Deep discharge will cause irreversible damage to the battery capacity and service life. It is recommended to charge immediately when the remaining battery power is less than 20%.

NOTICE

- If you need a higher driving mileage, please drive at a constant speed of 35km/h and avoid emergency braking as much as possible. When the remaining power is less than 30%, try to avoid climbing.
- When the remaining power is less than 20%, the low power battery indicator lamp will light up, and the power battery needs to be charged immediately.

Precautions for Use and Maintenance of Power Battery

DANGER

- It is strictly forbidden to dismount, disassemble or refit the power battery, or use the power battery for other purposes.
- Keep the power battery out of the reach of children.
- The power battery shall be kept away from the fire source to avoid fire or explosion.
- It is forbidden to spray, step on, impact or damage the power battery to avoid leakage, fire or explosion of corrosive chemicals.
- It is strictly forbidden to touch the positive and negative terminals of the power battery box with both hands at any time.
- It is strictly forbidden to crush, puncture, burn or damage the battery system on the power battery.
- If the power battery is seriously mechanically damaged, exposing the inside high-voltage components, there will be danger of violent combustion and electric shock, which may lead to serious casualties and environmental pollution.
- Damage to the power battery or electrolyte leakage may cause a fire. If it happens, it is recommended to contact the CENNTRO authorized service center immediately. Do not touch the leaked electrolyte with your hands. If your skin or eyes accidentally contact the electrolyte, please wash it with plenty of water immediately and seek medical care immediately.
- The power battery pack is a high-voltage component. It is strictly prohibited for non-professionals to open or repair the power battery pack without permission.

⚠ CAUTION

- The power battery is located at the bottom of the vehicle. Pay attention to avoid the impact or flooding of the power battery when the vehicle is driving.
- Vehicles that have not been driven for a long time should be maintained regularly, otherwise the performance of the power battery will be reduced.
- In order to give full play to the service performance of the power battery, try to avoid full charging and discharging.
- The vehicle operating environment shall be dry, free of corrosive, explosive or insulating damaging gas or conductive dust, and away from heat sources.
- When parking in summer, please park the vehicle in a cool environment and try to avoid direct sunlight.
- In case of collision in vehicle chassis area, it is recommended to contact CENNTRO authorized service center for inspection and maintenance.

Technical Parameters of the Whole Vehicle

Basic Information

Vehicle Size(with Roof Light): L×W×H (mm)	4010×1600×2150
Vehicle Size(without Roof Light): L×W×H (mm)	4010×1600×1940
Loading Bed: L×W×H (mm)	1970×1560×400
Wheelbase (mm)	2500
Curb Weight (kg)	1100
Gross Weight (kg)	2200
Minimum Ground Clearance (mm)	200
Seats	2 Fabric Seats, Adjustable Forward and Rearward

Motor Performance

Motor Type	Permanent Magnet Synchronous
Max. Speed (km/h)	55
Maximum hill-starting ability	25% slope
Max. Range of Pure Electricity (km)	75
Rated/Peak Power (kW)	7.5/15
Peak Torque (N·m)	105

Battery System

Battery Type	LFP
Battery Storage (kWh)	11.5

System Voltage (V)	76.8
Charging Power (kW)	1.44
Charging Voltage (V)	90-265
Chassis Parameter	
Motor Drive Mode	Rear Engine Rear Wheel Drive
Body Structure	Rectangular Steel Pipe Tailor-Welded
Front Suspension Type	Macpherson Independent Suspension
Rear Suspension Type	Steel Leaf Spring Dependent Suspension
Front/Rear Brake Type	Hydraulic Disc/Hydraulic Drum
Service Brake Assist	Vacuum Pump Vacuum Tank
Configuration	
Safety Belt	Three-Point Safety Belt
Steering Wheel	PU
Mechanical Key	●
Control Panel	●
Rear View Mirror	●
Rear View Camera	Optional
Brake Fluid Alarm	●
EPS Power-Assisted Steering	●
Sun Shield	●
Wiper	●
Tyre	205 R15 LT

Daytime Running Lamps	LED
Front Headlamp	LED
Front Steering Lamp	LED
Modular LED Taillight	●
Reversing Light	●
Roof Light and Light bar	Optional
Dump bucket	Optional
Vehicle Color	Olive green, Iron gray

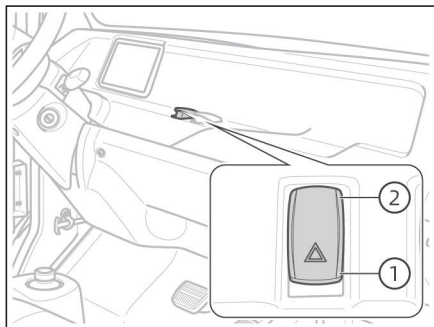
Note: "●" indicates standard configuration,
 "-" indicates no such configuration.

Type and Dosage of Vehicle Filling Fluid

Items	Specification	Remarks
Brake fluid	DOT4	The liquid level is between MIN and MAX
Differential reducer gear oil	GL-4 85W-90	The dosage is 1.2~1.3L

Important Information

Hazard Warning Lamp



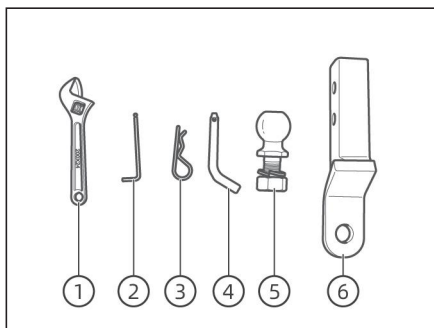
If the vehicle breaks down or encounters a traffic accident, please turn on the hazard warning lamp to remind other vehicles.

When the key is at the "ACC" position, press the ① end of the switch to turn on the hazard warning lamp; press the ② end of the switch to turn off the hazard warning lamp. After the hazard warning lamp is turned on, all turn signal lamps and turn indicator lamps will flash.

CAUTION

- If the hazard warning lamp does not work properly, other methods must be taken to draw the attention of other drivers to your vehicle, and the methods used must comply with relevant traffic regulations.

Accompanying Tools



- ① Adjustable wrench
- ② Allen wrench
- ③ Circlip pin
- ④ Threading pin
- ⑤ Trailer hitch ball
- ⑥ Trailer arm

NOTICE

- In order to deal with various emergencies, you should be familiar with the placement and use of all accompanying tools.
- After use, the tool shall be cleaned in time and put back in place.
- The accompanying tools will be different according to the configuration of the vehicle model, and the actual vehicle configuration shall prevail.

Failure to Start the Vehicle

If the vehicle does not start:

- Check whether there is a fault warning lamp on the combination instrument. If so, please contact the CENNTRO authorized service center for inspection.
- If the combination instrument does not light up, please turn on the hazard warning lamp. If the hazard warning lamp does not work, it indicates that the vehicle has no low-voltage power. Please check the starting battery fuse and ACC gear fuse; If the hazard warning lamp works, please check the instrument fuse.

If the power output is interrupted while driving:

- Slow down the speed, keep driving in a straight line, and carefully drive the vehicle away from the road to a safe place.
- Turn on the hazard warning lamp.
- Start again according to the vehicle starting method.

NOTICE

- If the vehicle cannot be restarted, please contact the CENNTRO authorized service center for troubleshooting.

Vehicle Trapped

If the vehicle is stuck on a soft road such as sand, mud or snow, the following steps can be followed to get out of the trap:

1. After the vehicle is powered off, remove the mud, snow or sand around the front wheels.
2. Place wood blocks, stones or other objects under the front wheels to help increase the adhesion friction.
3. Start the vehicle and slowly accelerate or use the front trailer winch to lift the vehicle out of the trap.

⚠ WARNING

- If the vehicle is driven out of the trap by forward and backward pushing, ensure that the surrounding area is spacious and unobstructed to avoid hitting other vehicles, objects or people. When driving out of the trap, the vehicle may suddenly rush forward or backward, so be careful.

NOTICE

- If the vehicle can't get out of the trap after several attempts, you need tow assistance.

Tire Burst

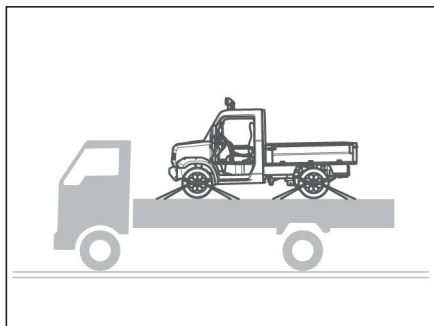
If the vehicle tire is burst during driving, you should hold the steering wheel with both hands, try your best to prevent the steering wheel from rotating by itself, step on the brake pedal gently, slow down slowly, and let the vehicle go straight in the original direction. After the speed is reduced, drive slowly to a safe area to stop, pull up the parking handle, turn off the power system, and dial the rescue number.

⚠ WARNING

- Do not step on the brake pedal violently, or the vehicle may lose its center of gravity and turn sideways or overturn.
- Do not park on sloping or uneven roads.
- Turn on the hazard warning lamp in time, and place a triangle warning board behind the vehicle as required to avoid secondary accidents.

Vehicle Traction

If the vehicle needs to be towed, it shall be towed by a CENNTRO authorized service center or a professional trailer company.



Flatbed trailer

- This is the best way to tow your vehicle.

NOTICE

- When towing your vehicle, you must comply with local towing regulations.

High Voltage Electrical Equipment Failure

⚠ DANGER

- To avoid personal injury, it is prohibited to touch high-voltage cables and their connectors.
- The components with orange identification are high-voltage components, which are attached with high-voltage system warning signs or labels.
- Be sure to observe the content and requirements on the high-voltage system identification.
- Non-professional maintenance personnel are not allowed to touch, disassemble or install any parts in the high-voltage system at will, such as on-board charger, motor controller, power battery pack, etc.
- Precautions in case of accidents:
 - » Keep the vehicle in N gear and ensure that the ignition switch is turned off.
 - » If the wires on the vehicle are exposed or damaged, it is forbidden to touch any wires and metal parts such as the vehicle body to prevent electric shock.

Fire Emergency Treatment Plan

After the vehicle is on fire, the power system shall be shut down immediately and the vehicle shall be evacuated to a safe place. At the same time, the alarm and rescue telephone shall be called.

It is recommended to contact the CENNTRO authorized service center for handling after the vehicle is put out of fire. Do not touch the vehicle after the fire accident to prevent electric shock, burns and other accidents.

In order to prevent vehicle fire timely and effectively, the following matters shall be noted when using vehicles:

- Flammable and explosive materials are not allowed to be stored in the vehicle.
 - » In hot summer, if there are lighters, cleaning agents, perfume and other flammable and explosive materials stored on the vehicle, it is very easy to cause fire and even explosion.

- It is prohibited to refit vehicle lines and add electrical components.
 - » The addition of other electrical appliances (such as high-power audio) will cause excessive load on the line, and the harness is easy to heat and cause fire.
- Regularly go to the CENNTRO authorized service center for inspection and maintenance.
 - » Regularly check whether there is oil leakage, and timely clean up the oil dirt and greasy dirt on the motor to avoid fire caused by oil dirt and greasy dirt volatilization under high temperature.
 - » Regularly check the lines of the whole vehicle, and check whether the insulation and fixation of electrical components and harness connectors are normal.
- It is recommended to equip the vehicle with fire extinguisher and master the use method.
 - » In order to ensure driving safety, the on-board fire extinguisher can be equipped by the user. Regularly check and replace fire extinguishers, and be familiar with the use of fire extinguishers.
- Precautions for driving.
 - » When parking the vehicle, especially in summer, ensure that there are no combustibles (such as hay, dead leaves or wheat straw) under the vehicle, otherwise it may cause a fire.
 - » During the driving, the vehicle shall avoid the road section where there are dry leaves, wheat straw, weeds and other inflammables. Stop in time to check whether there are inflammables hanging on the bottom of the vehicle after passing such road sections. When parking, the vehicle shall be kept away from the sun.

Power Battery Electrolyte Leakage

⚠ DANGER

- Leakage of electrolyte from the battery may cause a fire. If it happens, please contact the dealer or CENNTRO authorized service center immediately.
- In case of electrolyte leakage, keep away from fire source or dangerous mechanical equipment and high temperature environment. It is suggested that the emergency handling personnel should protect themselves, such as wearing masks.
- Electrolyte is very easy to burn in case of electric spark. If it burns, it must be treated with water-based fire extinguisher and buried with soil or sand.
- Do not touch the leaked electrolyte. If your skin or eyes accidentally contact the electrolyte, please wash it with plenty of water immediately and seek medical care immediately.
- If you feel unwell after inhalation, please quickly evacuate the site to a fresh air place. If you do not feel better, please seek medical care immediately.

Index

A

Appearance and Components P.15

C

Cab Components P.17

Charging P.34

Check and Replace the Fuse P.73

D

Door P.19

Driving in Cold Seasons P.52

Driving in Foggy Days P.51

Driving in Hot Seasons P.51

Driving in Rainy Days P.50

Dumping Device* P.54

E

Energy Recovery P.53

Essentials on Driving P.48

Exterior Rearview Mirror P.31

F

Failure to Start the Vehicle P.83

Fire Emergency Treatment Plan P.86

Fluid Addition P.67

Front Cabin Cover P.39

G

Gear Shift Knob P.21

H

High Voltage Electrical Components P.11

High Voltage Electrical Equipment Failure P.86

Horn P.32

I

Ignition Switch P.20

Important Information P.82

Inspection Before Driving P.47

Instrument P.42

L

Light Switch P.22

Long Term Storage of Vehicle P.62

M

Maintenance Log P.91

Maintenance of Dumping Device* P.72

Maintenance of Low Voltage Battery P.74

Maintenance of Power Battery P.76

Make-Up Mirror P.33

O

Operator Safety P.01

P

Parking P.49

Parking Handle	P.26
Pedal	P.25
Power Battery Electrolyte Leakage	P.88
Precautions for Use of Winch	P.55

R

Rear Trailer Hitch Ball	P.41
Recycling of Power Battery	P.10
Regular Maintenance and Regulations	P.62
Reversing Camera*	P.45
Running-In Period	P.47

S

Safety Belt	P.26
Safety Handle	P.34
Safety Labels and Locations	P.11
Safety Warning	P.01
Seat	P.30
Start the Vehicle	P.48
Starting	P.48
Storage Space	P.33
Sun Visor	P.33

T

Technical Parameters of the Whole Vehicle	P.79
“Three Guarantees”	
Service for Teemak Vehicles	P.89
Tire Burst	P.84
Tire Maintenance	P.69

Type and Dosage of Vehicle Filling Fluid	P.81
--	------

V

Vehicle Cleaning	P.58
Vehicle Corrosion Protection	P.61
Vehicle Traction	P.85
Vehicle Trapped	P.84

W

Winch Maintenance	P.57
Winch Operation	P.55
Winch Safety	P.55
Wiper Switch	P.21

The logo features a central white diamond shape with the word "CENNTRO" in blue, bold, sans-serif capital letters. This diamond is set against a background of two horizontal bands: a top black band and a bottom grey band. Each band has a white double-line border that forms a diamond shape pointing towards the center, creating a layered, geometric effect.

CENNTRO

*The latest edition of the manuals can be downloaded free of charge from
the Pardisys website: www.pardisys.com*