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Congratulations on your new Alba vehicle!

Alba is the right combination of performance, versatility and elegance, to make your days of relaxation special.

We invite you to read this manual before use. You will find all the information on your new vehicle and important safety recommendations. If further requests are required on operation or maintenance, contact the authorisation *Alba* dealer for support.

Welcome to *Alba* Crew!



After sales and support department
Strada Tagliata, 18 - 12051 Alba (CN) - Italy
service@albamobility.it

1. FOREWORD

1.1. AIM OF INSTRUCTION MANUAL

This manual is an integral part of the vehicle and has the purpose of providing all the information necessary for:

- sensitising users to safety issues;
- knowing how the *Alba* vehicle works;
- correct use of the *Alba* vehicle.



IMPORTANT! Users are obliged to carefully read the content of this instruction manual.

The time this takes will be greatly compensated by correct operation of the vehicle and by use in safe conditions.

1.2 PRESERVATION OF THE INSTRUCTION MANUAL

The manual should be carefully kept and must accompany the vehicle in all passages of ownership that may occur during use of the vehicle.

Preservation must be encouraged by handling with care, with clean hands and not placing it on dirty surfaces.
Parts must not be removed, torn or arbitrarily changed.

The manual should be kept in an environment protected against humidity and heat inside the vehicle.

2. INFORMATION GENERAL

2.1 MANUFACTURER'S IDENTIFICATION DATA

MANUFACTURER

Albamobility Srl

ADMINISTRATIVE AND REGISTERED

HEADQUARTERS:

Strada Tagliata, 18 - 12051 Alba (CN) - Italy

AFTER SALES/SPARE PARTS SERVICE

T +39 0172 48 81 91

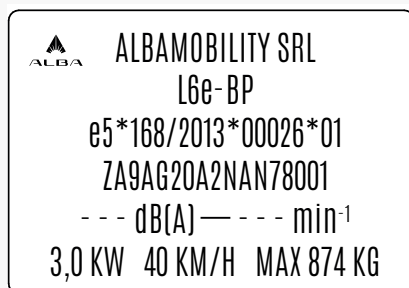
CONTACTS

info@albamobility.it

www.albamobility.it

2.2 IDENTIFICATION DATA AND PLATES OF THE VEHICLE

Each vehicle is identified by an identification plate on which the reference data are indelibly outlined including the VIN, Vehicle identification Number.



For any communication with the manufacturer or the support centres, always state these references. The identification plate and the VIN are positioned behind the seat above the battery compartment. To display the VIN, turn over the bench.

2.3 EC DECLARATION OF CONFORMITY IIA DIR. (2006/42/EC)

IL FABBRICANTE

Albamobility Srl

Azienda

Strada Tagliata 18

Indirizzo

Alba

Città

12051

Cap

CN

Provincia

ITALIA

Stato

DICHIARA CHE LA MACCHINA

STREET CART

Descrizione

Modello

2020

Anno costr.

ALBA SC

Serie/matricola

VEICOLO PER TRASPORTO PERSONE

Uso previsto

È CONFORME AL REGOLAMENTO

REGOLAMENTO (UE) N. 168/2013 DEL PARLAMENTO EUROPEO E DEL CONSIGLIO del 15 gennaio 2013 relativo all'omologazione e alla vigilanza del mercato dei veicoli a motore a due o tre ruote e dei quadricicli (Testo rilevante ai fini del SEE) (GU L 60 del 2.3.2013, pag. 52)

Luogo e data del documento

Il fabbricante

Albamobility Srl
Strada Tagliata 18
12051 Alba (CN)

2.4 INFORMATION ON TECHNICAL SUPPORT

You are advised to always contact the manufacturer's official support service.

The vehicle is covered by warranty, as stated in the general sales terms. If, during the period of validity, malfunctions or faults are found on parts of the vehicle, which are covered by warranty, the manufacturer will repair or replace the faulty parts, having carried out appropriate checks on the vehicle.

Changes made by the user, without the explicit written authorisation of the manufacturer, causes the warranty to expire and relieves the manufacturer of any liability for damages caused by the faulty product.

This particularly applies when the aforementioned changes are carried out on safety devices, reducing their efficiency. The same considerations apply when using non-original spare parts or parts different to those explicitly indicated by the manufacturer as "SAFETY DEVICES".

3. SAFETY

3.1 GENERAL SAFETY WARNINGS



ATTENTION! This symbol indicates important information on your safety. Read it carefully!

Before making the vehicle operative, read the instructions carefully contained in this manual and accurately follow the instructions reported in it.

The manufacturer has made the effort to design this vehicle to make it as **INTRINSICALLY SAFE** as possible.

The vehicle is equipped with all the guards and safety devices deemed necessary; it is also supplied with sufficient information for its safe and correct use.

This manual contains specified further recommendations, under the user's responsibility, to prevent human errors and forbidden actions relating to reasonably foreseeable misuse.

It is however indispensable to diligently follow the instructions below:

- it is strictly forbidden to inhibit the safety devices installed on the vehicle;
 - it is strictly forbidden to change parts of the vehicle.
- In the event of malfunctions, due to non-compliance with the above, the manufacturer cannot be held responsible for the consequences. You are advised to request any changes directly to the manufacturer.

- clean the covers of the vehicle, the panels and controls with soft, dry cloths or cloths slightly soaked in detergent; do not use any type of solvent, such as alcohol or petrol, since the surfaces could get damaged;



IMPORTANT! The manufacturer is deemed relieved of any liability for damage caused by the vehicle to people, animals or property in the event of:

- use of the vehicle by staff who are not able to drive;
- misuse of the vehicle;
- electrical power supply defects;
- lack of planned maintenance;
- unauthorised changes or interventions;
- use of non-original spare parts or parts not specifically for the model;
- total or partial non-compliance with the instructions;
- use contrary to specific national standards;
- natural disasters and exceptional events.

3.2 GENERAL PROVISIONS

All the safety provisions on the mobile parts to avoid accidents and ensure safety cannot be modified, nor removed, but must be adequately safeguarded.

3.3 INSPECTIONS AND CHECKS

The checks must be carried out as indicated in the Maintenance chapter (*page 36*) of this manual.

If the worn or faulty parts are not promptly replaced, the manufacturer cannot be held in any way liable for damage caused by any deriving accidents. Tests must be carried out by an expert person; they must be visual and functional, with the purpose of guaranteeing vehicle safety.

They include:

checking all the support structures, which must not have any breakages, damage, deformities, corrosion, wear or alterations compared to the original characteristics;

- checking all the mechanical units;
- checking all the safety devices installed on the vehicle.
- checking all the connections with pins and screws;
- functionality testing of the vehicle;
- vehicle status check.

The results of this verification should be outlined on a specific record.



IMPORTANT! If anomalies are found, they must be eliminated before putting the vehicle back in service, and the expert who carries out the test should note the repair carried out on the record, thereby giving approval to use the vehicle.

If dangerous breakages or faults are found, they should be immediately communicated to the support service.

Take the vehicle out of service if any malfunctions occur and contact the after-sales service immediately

Ensure that there are no objects among the vehicle parts.

Make sure that no objects remain between the moving units after each maintenance.

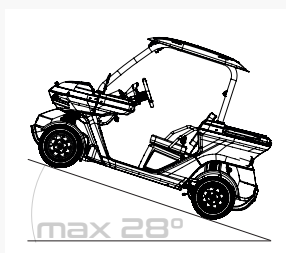
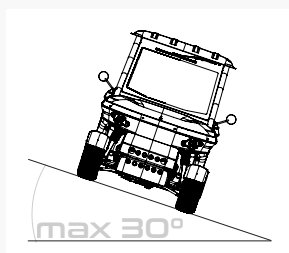


ATTENTION! To guarantee utmost safety of vehicle motion, it is however **FORBIDDEN** to:

- tamper with the vehicle;
- leave the mobile parts unguarded;
- use the vehicle when operational, but not fully efficient;
- alter the vehicle to change the original established use, without the manufacturer's explicit authorisation;
- move the mobile parts with manual operations in the event of a power cut.

3.4 PLANNED USE

The vehicle is intended to transport people (max. 2) and objects for a total of 874kg. The vehicle can be used on urban and suburban roads according to legislation in force. The vehicle allows you to reach a maximum speed of 40 km/h and can overcome a maximum slope of 28%.



Any other use of the vehicle is not authorised and automatically entails both the forfeiture of the warranty and relieves the manufacturer from any liability for any damage to property or people.



IMPORTANT! Use of different products/materials to those specified by the manufacturer, which can damage the vehicle and hazardous situations for the operator and/or for the user, is considered incorrect use or misuse.

3.5 COUNTERINDICATIONS FOR USE



ATTENTION! The vehicle must be used by people with a suitable driving certificate according to legal laws. The vehicle must not be used by people unable to drive or under the influence of alcohol and drugs.



ATTENTION! The vehicle must not be used on broken/unstable/flooded/snowy ground which could lead to overturning and loss of stability with risks for the safety of those on board.

The vehicle does not allow towing of any trailer.

Transport of people or animals is however not allowed on the rear of the vehicle, which is only suitable for transporting objects.

3.6 SAFETY DURING USE

Some indications follow (the list is approximate and non-exhaustive) for safe use of the vehicle:

- the vehicle allows the simultaneous transport of two people, the driver and passenger, who must remain seated inside the vehicle with seat belts fastened and, if necessary, they can hold onto the appropriate handles; it is prohibited to carry people on the rear of the vehicle;
- start the vehicle only after making sure that all passengers have sat down and fastened their seat belts;
- before exiting the vehicle, ensure the automatic parking brake is engaged and that the vehicle is locked;
- pay attention to the area in the vicinity of the vehicle, in particular the driver must concentrate to be able to react effectively in the event of an unexpected event;
- avoid sudden accelerations and decelerations, as they could cause loss of balance of the transported person;
- evaluate in advance the condition of the terrain covered by the vehicle in order to adapt the driving characteristics to the conditions of the ground.

Misuse and/or poor maintenance of the vehicle may cause serious damage or injury to occupants or people nearby.

The above indications cannot be considered as the only ones necessary for safe driving; the different modes of use of the vehicle, although not admitted but in any case assumed by the manufacturer during the risk assessment, require special attention, caution and use according to the rules of common sense.

A careless, fast and irresponsible drive could result in serious damage to property and people.

Avoid steep paths and slopes as much as possible. Descents must be approached with caution, modulating the braking according to the conditions of the ground. Do not face the slopes sideways: this condition could cause the vehicle to overturn or fall!

Driving the vehicle on wet terrain requires more attention and caution, as wet surfaces reduce stability of the vehicle and increase braking space.

3.7 SIGNS

There are some adhesive stickers on the vehicle, which remind the user of some forbidden actions or good practices for use of the vehicle.



Under the wheel

WARNING

- For your safety, please read carefully the supplied Manual before starting vehicle.
- Keep your seat while moving and hold on to handlebars. If vehicle is equipped with seat belts, always keep your seat belt fastened when sitting.
- When driving uphill or downhill gradients, drive straight up or down the gradient rather than diagonally.
- Control from driver's side by authorized person only and only in specified areas.
- When vehicle is moving, always keep your whole body inside vehicle.
- Do not start the vehicle until all passengers are fully seated.
- Drive slowly on bends and uphill or downhill gradients.
- Do not use under the influence of alcohol or drugs.
- This vehicle can only transport 2 people.
- Turn the key OFF if not using and remove it.
- When driving downhill, reduce speed by braking.
- Do not leave unattended children into or near the vehicle.
- Make sure the parking brake is activated before leaving the vehicle.
- Windshield does not protect you against flying objects, including but not limited to golf balls.
- Check national and local laws for authorized driving minimum requirements and always comply with.
- Front and Rear tires have to be inflated to 2 bar/29PS.

TAS000100-1



Item transport compartment

WARNING

Do not sit or stand in the rear bag bay. Sitting or standing here in this area may cause falls with **SERIOUS INJURY** or **DEATH**.

TA300029-1



Behind the seats

DANGER

Faulty batteries, wires or plugs should be immediately replaced by qualified personnel only. Touching battery cables or uninsulated battery terminals may cause electric shock resulting in **SERIOUS INJURY** or **DEATH**. Never connect battery positive and negative terminals. Such behaviour may result in power shortage, which may cause burns or other **SERIOUS INJURY** or **DEATH**.

WARNING

- Always pay attention to turn the Main Power switch OFF before removing or reconnecting batteries, battery cables or any other electrical component. Failure to respect this warning may result in electric arc or battery explosion.
- Any modification or tampering on vehicle may result in **SERIOUS INJURY** or **DEATH**, as well as lasting damage to it.
- Any unauthorized modification to the vehicle will void warranty.
- When releasing parking brake, take all necessary safety precautions.
- Vehicle can roll unexpectedly anytime if parking brake is released, even on a level ground, causing **SERIOUS INJURY** or **DEATH**.
- To release the parking brake refer to the user manual and read carefully the instructions.
- Surface may be hot. Contact may cause burns or other serious injury, **DO NOT TOUCH!**

CAUTION

DONT REMOVE COVER. Service operations should be carried out by qualified personnel only. Always turn the Main Power switch OFF before removing or reconnecting batteries, battery cables or any other electrical component. Failure to respect this warning may result in electric arc or battery explosion.

TA300031-1

3.8 EMERGENCY BRAKING

If, when the vehicle is in motion, the ignition key is switched 'OFF' (position of the key removed), the automatic parking brake slows down the vehicle until it stops.

There is a possibility that the automatic parking brake will be damaged and that both the wheels and the transmission will be damaged; it is therefore advisable to have a thorough check carried out by an authorised ALBA technician.

This type of emergency braking is to be considered risky and should only be used in case of an emergency due to the malfunction of the hydraulic brakes.



ATTENTION! Avoid switching off the key (position indicated in the figure) when the vehicle is in motion, if not in the event of an emergency.

4. FIRST USE

4.1 TRANSPORT MOVEMENT AND STORAGE

The vehicle can be moved in the event of electrical failure, after manually unlocking the automatic parking brake, using the towing hook placed in front of the vehicle. Be careful not to damage parts of the vehicle. Check that the strap/cable used for movement, when tensioned is not in contact with parts of the bodywork.



ATTENTION! Release of the automatic parking brake (*paragraph 7.7 on page 43*) involves the risk of the vehicle moving. Ensure you carry out this operation only in safe conditions, on flat and stable ground. If unused, park the vehicle, if possible, protected against atmospheric agents and, in the event of a prolonged stoppage, keep the charger connected.

4.2 PREPARATION FOR RECHARGE

Preparation of the electrical system

Vehicle charging is performed using a normal wall socket with 220V power supply.

The outlet must be located in a safe place, protected from the elements and in an area not at risk of explosion.

The manufacturer cannot be held responsible for damage to people, animals and/or property, caused by non-compliance with this provision.



ATTENTION! These provisions are always the complete responsibility of the user and nothing can be attributable to the manufacturer for damage to property, people and/or animals due to an inadequate electrical connection (maximum battery charger absorption: INPUT 100-240VAC 50/60Hz 12/6A 1400W).

4.3 PRELIMINARY CHECKS

Before starting the vehicle, you must check it overall as indicated below.

Batteries

Having lifted the seat and having accessed the battery compartment, carry out these checks:

- check there is no corrosion/rust on the battery poles;
- check there are no leaking liquids from the batteries;
- check correct fastening of the battery pack;
- check correct connection of the cables.

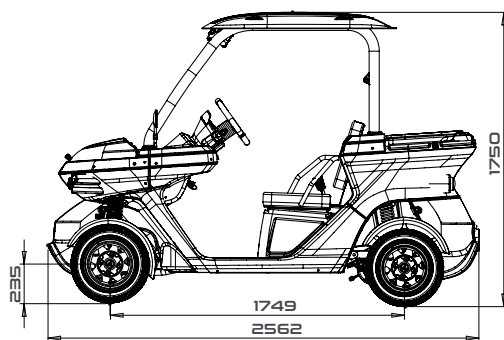
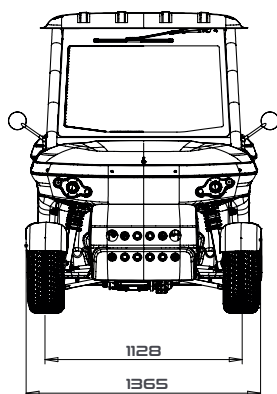
Drive controls

- check steering has no irregular clearances;
- check correct operation of the braking system.

If irregular behaviour is found during checks, contact technical support and do not use the vehicle.

5. DESCRIPTION: UNIT

5.1 DIMENSIONS



5.2 ENVIRONMENTAL CONDITIONS

The vehicle does not require particular environmental conditions.

Temperatures permitted from -5° to 40° C, with humidity not exceeding 50% at 40° C and not exceeding 90% at 20° C.

The vehicle is suitable for working in environments with a:

- temperature between + 5° and + 40°C with an average temperature around 35°C;
- relative humidity between 30% and 95%.

It is forbidden to use in environments which are:

- in a corrosive atmosphere;
- at risk of fire;
- in an explosive atmosphere.

5.3 TECHNICAL DATA

The main technical data are outlined below:

Power	kW	3
Vehicle weight with no load	kg	599
Weight with full load	kg	874
Power supply voltage	V	48
Maximum speed	Km/h	40 l
Maximum surpassable gradient with charged battery	%	28

5.4 STANDARD PROVISION

The vehicle's standard equipment includes:

- cable for battery charger 220V;
- automatic parking brake release kit;
- Use and Maintenance Instruction Manual

6. USE

6.1 BATTERY PACK, RECHARGE AND SAFETY INFORMATION

To avoid premature wear of the batteries, the vehicle must always be charged when not in use, keeping it connected to the domestic electricity mains via a charging cable. The charger will apply appropriate algorithms to maintain the state of charge without damaging them.



ATTENTION! Before use or maintenance of the batteries, read the instructions carefully which will be described below. Failure to comply with instructions or normal rules of safety and common sense can cause serious material damage to property and even serious injury to people. Avoid leaving the vehicle and batteries exposed to freezing temperatures. Never recharge a battery that is exposed to temperatures below 0 °C for a long time.

Health



Declaration of hazards:

- causes severe skin burns;
- causes serious damage to sight;
- can damage fertility or the baby in the womb if swallowed or inhaled;
- can cause cancer if swallowed or inhaled;
- causes damage to the central nervous system, blood and kidneys after prolonged or repeated exposure;
- may form explosive gas/air mixtures during charging;
- extremely flammable gas (hydrogen);
- danger of explosion, fire, rupture or protrusion;

Environmental



Physical



Preventive declarations:

- wash carefully after handling;
- do not eat, drink or smoke when using this product;
- wear gloves and protective clothing, guards for the eyes/ face;
- avoid breathing in dust/smoke/gas/vapours/spray;
- only use outside or in a well ventilated area;
- causes irritation to skin, serious damage to sight;
- contact with internal components can cause irritation and/or serious burns. Avoid contact with the internal acid;
- irritant for eyes, skin and respiratory tract.

Precautions for use:

- check that all battery connections and cables are firmly connected to the terminal; too loose or too tight connections can cause breakage, melting or fire;
- do not place objects on batteries or terminals to avoid short circuits;
- if the acid comes into contact with the skin or eyes, rinse immediately with water and consult a doctor;
- contains sulphuric acid. Avoid contact with skin, eyes or clothes;
- do not carry, store, handle or use batteries if not in a vertical position;
- wear a full face visor and rubber gloves when working on or near batteries;
- batteries produce explosive gases. Keep batteries away from sparks, cigarette flames or open flames;
- always ensure adequate ventilation during charging or use in enclosed spaces;
- **KEEP OUT OF REACH OF CHILDREN.**



The battery pack is placed under the seat (photo B), to access it lift the back of the seat after unscrewing the fixing pin (photo A) until reaching the locking position. The batteries are recharged through the special cable supplied (photo C).

Connect the cable via the appropriate connector to the charging socket of the vehicle located on the left under the steering wheel and then the cable to the power supply (photo D). The flashing green LED next to the connector indicates that charging has started (photo D).

At the end of the charge the led remains lit with a fixed green light. For further verification of the state of charge of the batteries turn the key to the position ON (photo F); in this way you can view the percentage of charge on the display located above the steering wheel (photo E).

During vehicle charging for safety reasons, the accelerator pedal is inhibited and the automatic parking brake remains in the locked position; handling is not possible even when the ignition key is activated



ATTENTION! Recharging operations must always be carried out in safe conditions and in an adequate premises in terms of dimensions and ventilation. If any breakage of the connector or abrasion of the electrical cable is found, do not charge the vehicle and contact support. When charging, do not overlap the electrical cable with any means or materials that could cause abrasion or cutting.

6.2 EXTERNAL OVERVIEW



- | | |
|-----------------------|---------------------------|
| 1 front headlight | 6 hood with locking |
| 2 towing hook | 7 brake oil tank |
| 3 front wheels | 8 windscreen washing tank |
| 4 battery compartment | 9 wipers |
| 5 battery charger | 10 safety belts |



11 item holder

12 USB charger socket

13 charging socket

14 inverter

15 item pocket

16 loading goods area

17 rear
lamps

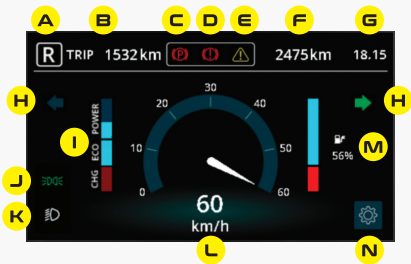
18 rear wheels

6.3 DRIVING SEAT OVERVIEW

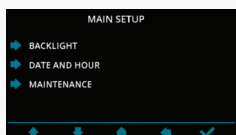


- 1 Display
- 2 "R" reverse command
- 3 adjustment lever steering wheel height
- 4 brake pedal
- 5 accelerator pedal
- 6 ignition key
- 7 "D" drive command
- 8 Lights switch and horn

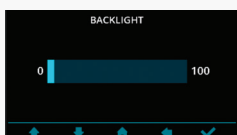
Display. When the display switches on, the ALBA logo will be displayed. The main screen, which then appears, contains:



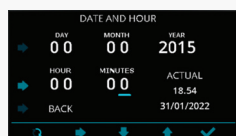
- A** Displays the status of the gear selected.
- B** Trip, i.e. the partial distance travelled since last reset. See the settings menu for resetting.
- C** Indicates the status of the parking brake. If on, the vehicle is braked.
- D** Lights up in the event of a fault on the braked system.
- E** Electrical fault symbol. Lights up in the event of an electrical fault.
- F** The odometer of the vehicle is displayed, i.e. the total number of kilometres travelled throughout the life of the vehicle.
- G** Indicates the time which can be adjusted from the settings menu.
- H** Direction indicators light.
- I** Displays the engine power. If the ECO strip lights on, you are optimising driving in energy saving mode. If the POWER strip lights up, the maximum power available is being provided. If the red CHG (Charge) strip lights up, you are performing the process of recharging the batteries with regenerative braking.
- J** Position lights indicator.
- K** Low beam indicator.
- L** Speed indicator of the vehicle.
- M** Battery charge status indicator: the percentage charge is available on the side of the bar. If the charge status is reduced only to the red part, it means the vehicle is in reserve because the batteries are empty. The remaining autonomy is very limited and it is advisable to recharge the batteries as soon as possible to avoid their deterioration.
- N** Settings indicator, press and hold the key below until you access the menu. You can access the settings menu only when the vehicle is stationary.



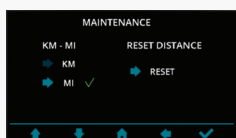
Settings menu (Main Setup)



Backlight: selecting this item and pressing the key below the tick sign, you access the backlighting adjustment menu. You can select a percentage from 0% to 100% light intensity of the display using the up and down arrow commands of the display. You can return to the main menu pressing the key under the house symbol.



Date and Hour: selecting this item, you can adjust the date and time on the display. Move on the data to edit using the keys under the arrows. The circular arrow allows you to go from one line to the next. To return to the main menu, the BACK item must be pressed.



Maintenance: selecting this item, you can set the unit of measurement of the display, Metric-Imperial. Furthermore, you can reset the TRIP on the main page. You can return to the main menu pressing the key under the house symbol.



ATTENTION! The autonomy varies based on the ground, the conditions, the driving style and the status of the batteries; the values are therefore considered for indication purposes only.



Steering wheel height adjustment lever. Placed under the steering column, when activated, it allows you to adjust the height and length of the steering wheel according to the driver preferences. At the end of adjustment, return the lever to the locking position of the column.



Ignition key. The ignition key can be moved to the following two positions.
OFF. It is the only position that allows you to insert or remove the key of the vehicle. The same remains off with the automatic parking brake locked: the only utility powered by batteries is the USB charging socket on the driver side, which can be activated with the appropriate button.
ON. The vehicle is fully turned on and, by pressing the "D" (drive) or "R" (reverse) buttons and pressing the accelerator pedal, it starts moving.



Drive command ("D"). When the button identified with the letter "D" is activated, the vehicle moves forward, using the accelerator pedal.

Reverse command ("R"). When the button identified with the letter "R" is activated, the vehicle reverses, using the accelerator pedal. The status of these commands is shown on the display (in the previous "Display" paragraph indication A).



ATTENTION! The user must pay particular attention when driving in reverse.



Brake pedal. There is redundancy on the brake pedal. In case of an emergency, by pressing the brake pedal traction is disabled.

Accelerator pedal. When activated, the vehicle moves in the direction set with the steering wheel commands. If released, the vehicle will stop at the time set by the controller. The automatic parking brake is activated three seconds after the stop. If released uphill, under the same conditions, the "HILL HOLDER" function is activated.



USB charger socket. The USB charger socket on the passenger side is activated using the built-in button. You can charge, for example, two devices simultaneously. The charging capacity is 2.1 amperes per duct. The socket also works if the vehicle is "OFF".



ATTENTION! To preserve the battery charge in this condition, you are advised to switch off the USB socket as soon as possible.



6.4 ADJUSTMENT OF REARVIEW MIRRORS

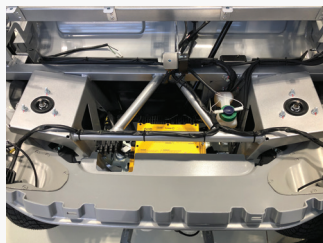
For the correct positioning of the rear-view mirrors, it is necessary to adjust inclination of the reflective surface according to the driver's needs. You need a 17mm wrench, a 4 Allen key (supplied) and a 13mm one. The 17mm adjusts the rotation back and forth. The 13mm key adjusts the inclination of the reflective lens. With the 4 Allen key you adjust the height of the lens.

7. MAINTENANCE

7.1 LIQUID LEVELS CHECK

In order to keep the vehicle efficient, it is advisable over time to check the level of brake oil and top up the windscreen washing liquid.

The oil level should be checked approximately once a year or when the warning light on the display comes on . The vehicle is equipped with a low-level brake oil sensor. If the level is lower than necessary, the driver is alerted by the indicator on the display. To access the brake fluid tank, open the front object holder and unscrew the locking screws of the bodywork. The oil level must reach the notch (MAX) indicated on the tank.



Refill windscreen washing liquid.

Prepare a solution of water and antifreeze detergent suitable for washing vehicle glass. The proportions are described on the packaging of the product to be mixed with water and vary according to the type and environmental conditions.

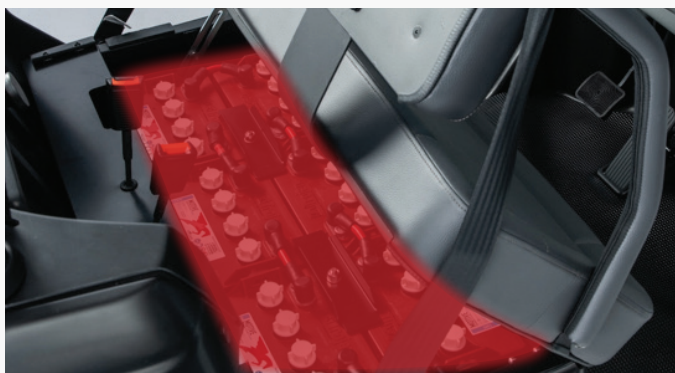


Once the mixture has been prepared, it is necessary to open the front cargo area and unscrew the cap on the right side of the vehicle. Pour the detergent water mixture until it fills to level. Be sure to close the cap once filling is complete.

7.2 BATTERIES REPLACEMENT



ATTENTION! If you need to replace the batteries, you must contact an authorised **ALBAMOBILITY** garage. Handling of vehicle batteries is strictly prohibited.



7.3 WIPER BRUSHES REPLACEMENT

When the wiper brush has exhausted its cleaning effect you need to replace it for driving safety in rain or poor environmental conditions.

To replace the part, you must raise the arm with the retaining spring.

Then pull it out to the left (driver's side) of the vehicle.

Once the windscreen wiper is removed, you must have a piece of cardboard and gently place the arm with the spring on the windscreen in order to avoid the windscreen breaking due to spring load.

Replace the component with an identical or compatible one as indicated by the manufacturer (Part Number of original spare part ALBA CA0000008).

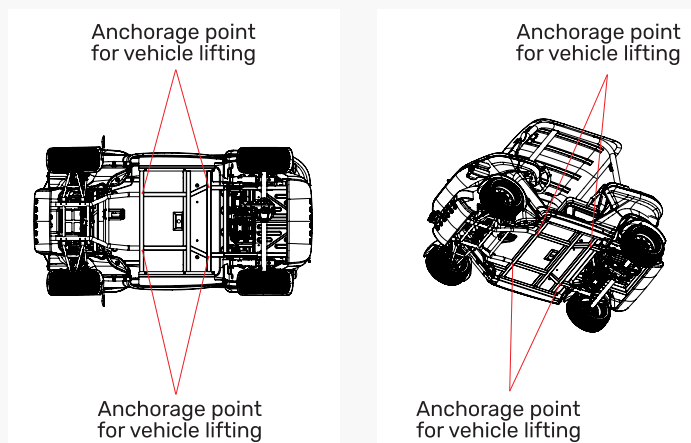
The length of the wiper must be identical to the original 450mm. In case of non-compliance with the previous requirements the manufacturer will not be liable for any damage to the vehicle and its electrical system.

To replace the wiper, reverse the operation, that is, insert the brush from left to right and gently place the wiper on the windscreen.



7.4 ANCHORAGE POINTS FOR LIFTING

For wheel change or other work on the undercarriage of the vehicle, the vehicle must be lifted on one of the anchorage points provided by the manufacturer.



- only use the anchorage points to avoid damage to the vehicle;
- never work under a vehicle supported only by a jack;
- lift the vehicle only on a solid, stable and flat surface;
- use racks and check that the vehicle is stable and safe before taking action;
- place wedges on the raised wheels to prevent the vehicle from rolling;
- work with extreme caution, as lifting causes high instability of the vehicle.

To reduce the possibility of serious injury or death due to a vehicle falling from a jack or stand, ensure you take the following precautions:

- place the vehicle on a solid, stable and flat surface;
- do not perform any operation without ensuring the vehicle is correctly positioned on the stands;
- the wedges are in front and behind wheels that are not lifted;
- work with extreme caution, as a raised vehicle can be very unstable.

7.5 WHEEL REPLACEMENT

When changing a wheel, always ensure the vehicle is positioned on a flat surface that allows it to be lifted correctly:

- only use the marked anchorage points to avoid damage to the vehicle (see previous paragraph);
- place the wedges under the wheels so that they are not lifted, to prevent movement of the vehicle;
- loosen the wheel nuts slightly (1/4 turn) before lifting the vehicle (**ATTENTION! Never completely unscrew a bolt if the vehicle is not lifted**).
- regularly check the tyre inflation pressure. The pressure must be 2 bar/29 PSI (see label page 16);
- check tyre wear status. The tread block height shall not fall below 2 mm.



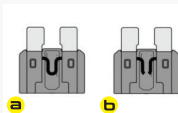
B



- always make sure that the wheel nuts are loose and cross-tightened (a-c-d-b) (photo A);
- lift the vehicle and remove all wheel nuts;
- remove the hub cap (photo B);
- the wheel can be removed and replaced;
- always use the same dimensions and the same type of wheel for all 4 wheels of the vehicle;
- only use tyres specified by the manufacturer 215/35-R12 66B or alternatively 215/40 R12 66B. The rims must have the following dimensions: channel 7", PCD 4" (101.6mm), CB 68mm and ET +4mm;
- when mounting a new wheel, operate in reverse to the above;
- insert the hub cap and tighten the wheel nuts with a $90\text{Nm} \pm 5\text{Nm}$ torque;
- check tightening of the wheel nuts after a few days of driving.

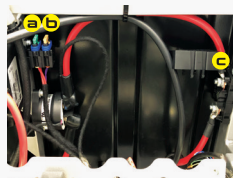
If the vehicle is equipped with alloy wheels (C), you can dismantle the wheel by performing the operations described above and omitting the part relating to the hub cap.

7.6 ELECTRIC FUSEBOX POSITION

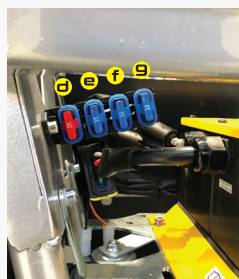


In the event of a malfunction of the electrical system, it is advisable to check the fuses available on board. In case of failure, it is necessary to restore the damaged fuse with one of equal amperage. To understand if a fuse is damaged, the internal filament must be analysed as in the following image where **a** represents an **OK fuse** while **b** represents a **NOT OK fuse**.

There are two types of fuses on the vehicle, those for the traction part and those for the accessories. Those related to traction are available in compartment 14 of page 29 near the vehicle control inverter.



These fuses have three sizes, one 5A beige (b) that protects the controller, one 30A green (a) that protects the branch intended for the battery charger and the third (c) 350A that instead protects the power supply from the batteries.



The 10A fuse (d) protects the USB socket and the display memory. The 15A fuse (e) protects switch-on of the display and the tail and plate lights. The fuse (f) protects the direction indicators, the wipers and the windscreen washer. The 15A fuse (g) protects the 15A low beam headlights and the horn. The latter four fuses can be checked in compartment 5 on page 28.

7.7 AUTOMATIC PARKING BRAKE RELEASE

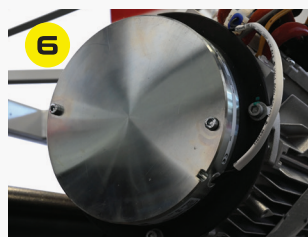
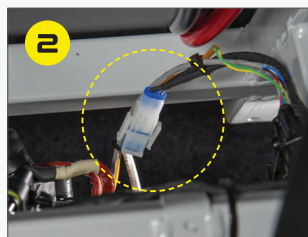
In an emergency, you can manually intervene (using the special kit provided) to release the automatic parking brake.

Place wedges under the raised wheels to prevent the vehicle from advancing.

All interventions must be performed by authorised and qualified staff, after reading and understanding this manual, using appropriate professional procedures and tools:

1. remove the inverter panel (photo 1);
2. disconnect the brake electrically, detaching the connector (photo 2);
3. remove the plastic screw caps in each access hole by means

of a 12 mm wrench or a screwdriver (photo 3 - 4);



4. tight the supplied M5x30 screws in each hole to compress the internal springs and allow the clutch disc to rotate freely (photo 5 - 6).

To reactivate the automatic parking brake:

1. remove the M5x30 screws;
2. insert the previous plastic screw caps by about 5 mm (screwing them up to the stop);
3. electrically connect the brake, attaching the connector;
4. reposition the inverter panel.

7.8 CLEANING

All cleaning operations must be carried out with the vehicle stopped and disconnected from the electric power supply.

To clean the vehicle, do not use aggressive detergents or solvents which could damage the bodywork. Remember in particular not to wash the steering wheel with detergents/chemical agents which could cause its deterioration.

Use a cloth soaked in water and soap and dry thoroughly. The vehicle must not be washed and dried in direct sunlight to avoid damaging the bodywork.

Pay particular attention to cleaning the windscreen. The operation should be carried out with a damp, microfibre cloth and a neutral detergent for glass.

Non-compliance with the instructions above could cause scratches on the windscreen with irreversible effect.



ATTENTION! It is made strictly forbidden to use water jets even at low pressure: the electrical components could get damaged. Before washing the vehicle, check the cap on the vehicle charging socket and the plug of the USB charging socket are properly sealed. Be very careful not to direct the water jet at the display.

7.9 MAINTENANCE INTERVALS

The following maintenance intervals must be respected to validate the warranty and allow efficient use of the vehicle.

- 12 months or 5.000km
- 24 months or 10.000km
- 36 months or 15.000km

In addition to these maintenance intervals, the vehicle owner should carry out certain daily, weekly and monthly checks/interventions.

If the vehicle is not working properly, contact support.

Any maintenance intervention not falling within those specified in this manual, must be performed by official service staff.

Always remind your local dealer/repair shop to record all the interventions performed on the interval table on the following page.

INTERVALS TABLE:

...../...../...../...../...../...../.....
Brake fluid 1 TIME/2 YEARS*	Wear wear 1 TIME/YEAR*	Pad wear on brakes 1 TIME/YEAR*

You are advised within the first two years to replace the differential oil every now and then (75W80)
***Indicate the date of each intervention.**

8. SPARE PARTS ACCESSORIES

8.1 SPARE PARTS

Contact the dealer for any parts.
ALWAYS USE ORIGINAL SPARE PARTS

The manufacturer cannot be held liable for breakages, malfunctions or damage to people or property deriving from use of non-original spare parts.

**For the list of spare parts, refer to the manufacturer.
www.albamobility.it**

9. TROUBLESHOOTING

a. The brake pedal has a spongy feeling and does not oppose resistance:

I. Do not drive the vehicle as there could be a braking circuit problem.

II. Purge the braking circuit with the help of a specialist technician, restore the oil level in the brake tank and evaluate if the pedal has returned to normal consistency. If not, contact customer support.

b. The steering wheel is not straight when driving in a straight line:

I. It is possible that an obstacle was hit with a front wheel, you should contact a specialist ALBA technician to check for possible damage to the steering system.

c. The charger does not charge the vehicle:

I. Check the charging socket has been inserted correctly by screwing the ring nut in an appropriate manner

II. Check that the charging light is not abnormal but is flashing green or fixed-

III. The battery charger could heat in extreme temperature conditions. Leave it to cool and restart charging.

IV. Disconnect and reconnect the recharging socket.

V. If the problem persists, contact ALBA customer service.

d. The vehicle has reduced autonomy:

I. Check the status of the batteries

II. One or more batteries may be worn.

III. If the problem persists, contact ALBA customer service.

e. The vehicle does not move

I. Check you have correctly positioned the key contact 'ON' and the dashboard is on

II. Check you have inserted the "D" or "R" gear

III. Check the level of the batteries is sufficient

IV. If the problem persists, contact ALBA customer service.

f. The vehicle drives at low speed:

I. Check the battery charger status indicator has at least one green led on. With a reduced charge status, the vehicle drives at low speed and limited power to avoid damaging the batteries.

II. If the problem persists, contact ALBA customer service.

g. In the event of an electrical fault:

I. Switch off and back on, after approx. 15 seconds, the key contact to reset the errors in the controller

II. If the problem persists, contact ALBA customer service.

h. The lights are not working:

I. Check the fuses are not burnt

II. Check the DC-DC battery charger is not faulty or presents anomalies.

III. Check the presence of the 12V on the USB. If absence, the problem is linked to DC-DC and it must be replaced.

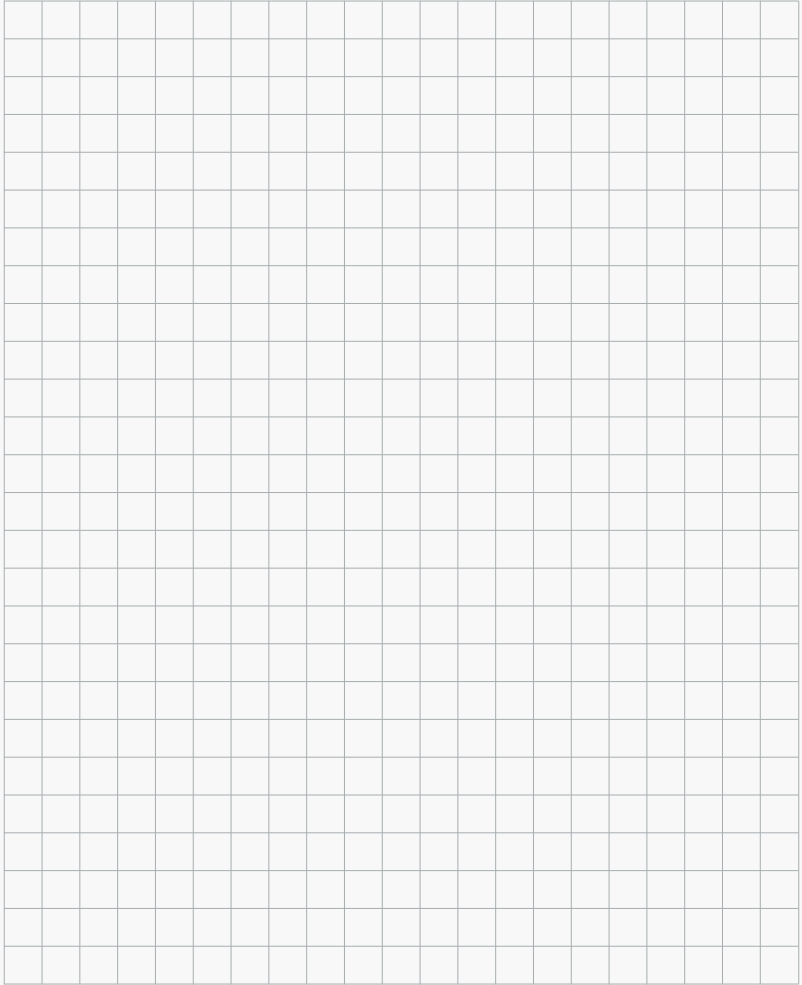
IV. If the problem persists, contact ALBA customer service.

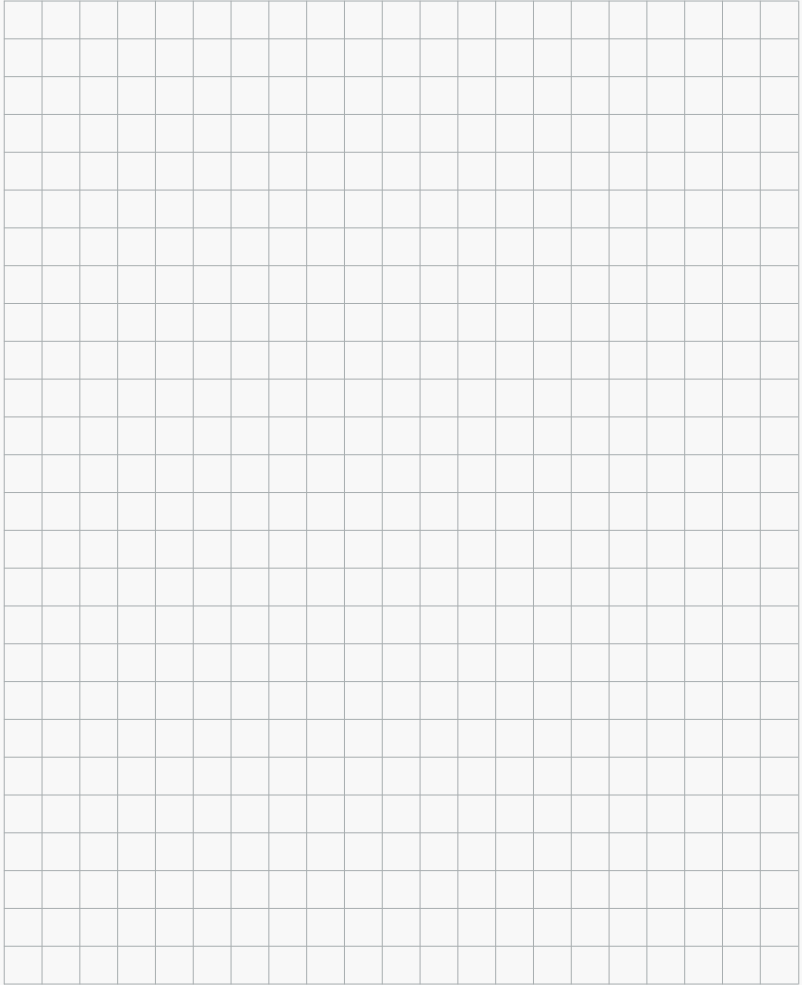
10. ADDITIONAL INSTRUCTIONS

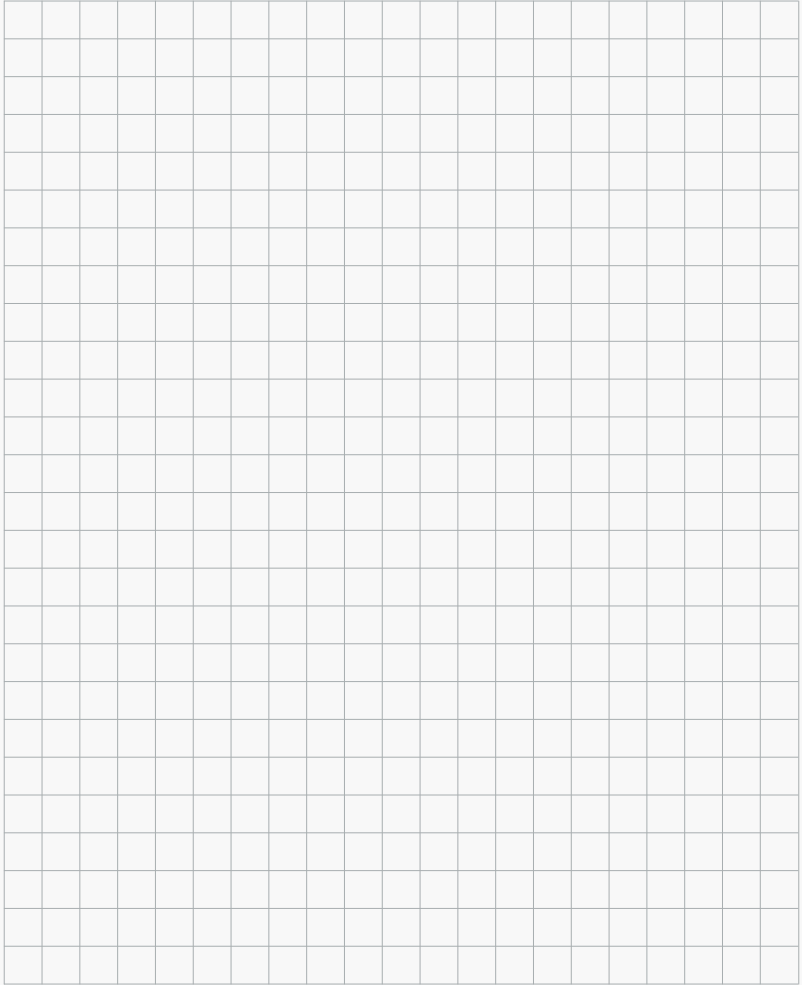
10.1 DECOMMISSIONING AND DISMANTLING

On dismantling, the parts must be separated in plastic material, metal material and electrical parts, which must be sent for differentiated waste collection in compliance with legislation in force.

For the metal mass of the vehicle, simply sub-divide the ferrous parts from the other metal or alloy parts, to correctly send them for melt-down in recycling.









Battery and Accumulator Manufacturer
Register no. IT21110P00007459

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