AIONES-EN-202405

AION ES

Owner's Manual

Foreword

Dear users,

Thank you for choosing an AION ES. We value your trust in us.

We hope to bring you more driving fun with the best product and services.

Please read this manual thoroughly before driving to familiarize yourself with the functions and precautions of the vehicle.

When you are to resell this vehicle, please hand over this manual together with the vehicle to the new owner.

If you have any suggestions or comments to this manual, please call the GAC AION's customer service hotline.

Wish you a happy journey!

GAC Aion New Energy Automobile Co., Ltd.

May 2024

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Note: The model and illustration on the cover are for reference only.

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Notices to users

Configurations and options

This manual covers all the standard and optional configurations currently available for this product series. Therefore, some of the configurations and features described herein are not available on your vehicle. For specific configuration information of your vehicle, please refer to related sales materials or consult GAC AION sales store when buying a vehicle.

Accessories, parts and modifications

Please use the genuine accessories and parts of GAC AION for replacement.

If accessories and parts not genuine to GAC AION are used for modification of the vehicle, we will refuse to provide warranty and bear any responsibilities and obligations arising therefrom. In addition, vehicle damage and performance degradation caused by the use of accessories and parts not genuine to GAC AION are not covered by the warranty.

The vehicle shall not be modified unless permitted by laws and regulations.

Scrapping of vehicle

Airbags and seat belt pretensioners contain explosive chemicals, and if they are not properly handled before vehicle scrapping, fire or other accident may occur. Always contact the GAC AION sales store or other qualified third party for dismantling and scrapping of the vehicle.

Event data recorder (EDR)

This vehicle is equipped with an event data recorder (EDR), which mainly records vehicle data at the time of collision for assistance in accident analysis. But, the data may not be recorded sometimes, depending on the severity and type of collision.

The data specially recorded by the EDR of this vehicle include:

- ◇ The status of driver depressing the brake pedal (if applicable).
- ◇ The vehicle speed.
- ◇ The longitudinal acceleration.
- ◇ The VIN.

These data allows us to better understand the situation of collision and injury or damage caused therefrom.

NOTE

- ◆ The EDR will record data only when a collision of certain degree occurs to the vehicle; that is to say, the EDR will not record data during normal driving.

EDR data disclosure

- ◇ We will not disclose the data recorded in the EDR to third parties except:
  - When a consent is obtained from the owner or lessee.
  - When an official request for disclosure is issued from the police, courts or other government agencies.
- ◇ However, we may apply the EDR data to the research and development of vehicle safety performance when necessary.

How to obtain EDR data reading tool

- ◇ Special technical equipment is required to read EDR data. For more information, please contact GAC AION sales store.

Time-based effectiveness of the manual

Due to continuous improvement and upgrade of vehicle, this manual may be updated irregularly without notice.

The screenshots of center console display contained in this manual are only applicable to the current version, and the display or process may change due to software update in the future.

How to read this manual

Fast lookup

This manual is divided into several chapters in a logical way, and in order to help you find the desired information quickly, a navigation column is provided on the right margin of the odd page.

And, the "Table of Contents" which is edited in the sequence of chapters and the alphabetical index at the end of this manual can also help you quickly find the desired information.

Symbols in the manual

Symbol	Meaning
*	It is only applicable to some models or to some optional parts/features of some models.
	DANGER: Text with this symbol contains information about a high risk which, if ignored, will cause serious injury or even death.
	WARNING: Text with this symbol contains information about a medium risk which, if ignored, is likely to cause serious injury or even death.
	CAUTION: Text with this symbol contains information about a low risk which, if ignored, is possible to cause vehicle damage.
	NOTE: Text with this symbol contains additional useful information.
	Environment: Text with this symbol contains information on environmental protection.

Illustrations in the manual

The illustrations in this manual are for reference only.

Unless otherwise specified, the directions of the vehicle (front, rear, left and right) referred to in this manual are based on the traveling direction of the vehicle.

Pre-drive check

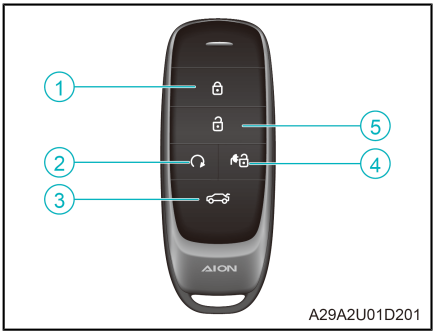
Before driving, it is recommended to check the following:

- ◇ Tires
- ◇ Lamps
- ◇ Rearview mirrors
- ◇ Obstacles around the vehicle
- ◇ Fluid leakage at the bottom of vehicle
- ◇ Activated alarm or alert

Smart key

The smart key is a physical key, which can realize common functions including locking/ unlocking and vehicle startup.

Introduction to buttons on smart key



① Locking button
② Remote power-on button
③ Trunk lid unlocking button
④ Charger unlocking button
⑤ Unlocking button

CAUTION

- Never expose the smart key to direct sunlight, high temperature or high humidity for a long time.
- Prevent the smart key from dropping from height.
- Neither wet the smart key, nor wash it in the ultrasonic cleaning machine.
- Do not disassemble the smart key without authorization.
- To avoid scratch, do not put the smart key and sharp objects together.

CAUTION (Contd)

- When taking a plane with a smart key, never press any button on it, otherwise, it will cause interference to the flying of plane.
- Do not place the smart key near an object that can produce a magnetic field, such as TV set, AV unit, induction cooker or electronic medical device.
- If the smart key is lost, the vehicle will be at risk of theft. In this case, immediately go to the GAC AION sales store for treatment.

NOTE

- After the vehicle power supply is switched on (except when the vehicle power supply is switched on by remote control), the smart key will not work.
- If he smart key malfunctions, it is recommended to press any button on it 3 times quickly in the vicinity of the vehicle. If the smart key cannot be recovered, please contact the GAC AION sales store for inspection.
- Some functions of the intelligent may become unstable or fail under the following situations:
  - When the battery of smart key runs out.
  - When the smart key is operated in or near TV tower, charging station, power plant, airport and other places involving radio waves.
  - When the user carries the portable radio, mobile phone or other wireless communication devices.
  - When the smart key is in contact with metal objects or covered by other foreign bodies.
  - When there are other smart keys in use nearby.

NOTE (Contd)

- As time goes, the battery of smart key may run out if any one of the following situations occurs:
  - The remote control function of smart key fails.
  - The effective operation range of the smart key becomes smaller.
  - The indicator lamp on the smart key is off. If this occurs, please replace the battery.
- The battery of smart key will run out if it is not used for a long time, and if this occurs, please get the battery replaced in the GAC AION sales store.

Locating of vehicle

If you forget the parking position of the vehicle, after you are in the vicinity of vehicle, press the locking button on the smart key twice quickly. Then the vehicle will give audible and visible alarms to remind you of the location of the vehicle.

Unlocking outside the vehicle

With the vehicle locked, press the unlocking button within the operating range of the smart key to unlock the vehicle.

NOTE

- The horn alarm for vehicle locking/unlocking can be switched on/off in the center console display.
- If no operation is made within a certain period after the vehicle is unlocked, the door will lock automatically.
- The door(s) to be unlocked by the smart key (namely all doors or driver door only) can be set in the center console display.

Unlocking of trunk lid

Unlocking of trunk lid via smart key

Press and hold the trunk lid unlocking button within the operating range of the smart key to unlock the trunk lid.

Unlocking of trunk lid via in-vehicle button

Press and hold the button on the right of the instrument panel to unlock the trunk lid.

DANGER

- Check that the trunk lid is properly closed before driving. Otherwise, the trunk lid may open accidentally and knock into the objects nearby, or the objects in the trunk may be thrown out, causing an accident thereafter.
- Prevent the children from playing in the trunk. Otherwise, they may be locked in the trunk by accident and suffer heatstroke, suffocation or other injuries thereafter.
- Prevent the children from operating the trunk lid. Otherwise, the trunk lid may be opened unexpectedly, or the children may be pinched.

DANGER (Cont'd)

- Do not take a ride in the trunk; otherwise serious injury or even death may be caused in the event of emergency braking or collision.

WARNING

- Before opening or closing the trunk lid, please thoroughly check the surrounding area for the sake of safety.
- Before opening the trunk lid, remove all loads such as snow and ice on the trunk lid. Otherwise, your body may be injured by the suddenly opened trunk lid.
- Before accessing to the trunk, check that the trunk lid is fully opened and secured. Otherwise, your body may be injured by the suddenly closed trunk lid.
- Never add any accessories to the trunk lid; otherwise, the additional loads on the trunk lid may cause crush injury due to sudden closing of the trunk lid opened.
- Place loads evenly in the trunk and as near as possible to the rear seat back.
- Secure all loads in the trunk.
- Never load the trunk in such a way that the allowed axle load is exceeded.
- Never place fragile, flammable and explosive articles in the trunk.
- Ensure that container of fluids placed in the trunk will not leak.
- Be careful not to get your fingers or other body parts pinched when closing the trunk lid.

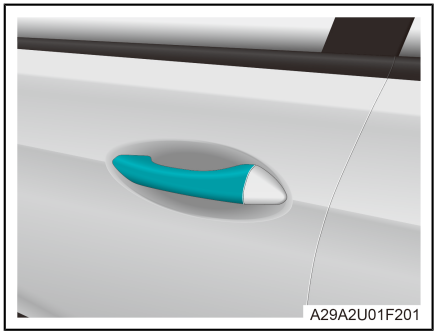
CAUTION

- Prevent the heating elements of rear windshield from being scratched by the hard objects.
- Fill the trunk in a reasonable way, and if it is overfilled, do not close the trunk lid forcibly; otherwise, the trunk lid or loads in the trunk may be damaged.

NOTE

- If the trunk lid is opened, the trunk lamp will come on automatically. If the trunk lid is closed, the trunk lamp will go out automatically.
- If the trunk lid is not completely closed, the trunk lamp may stay on.

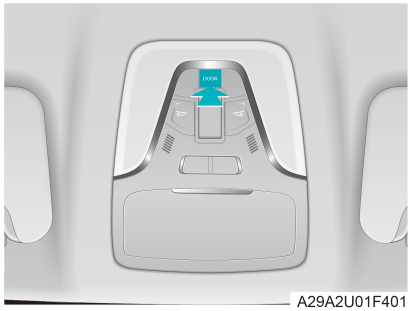
Door opening from outside



After the vehicle is unlocked, the door can be opened by pulling the door outside handle.

Interior lighting

Automatic on/off of reading lamp



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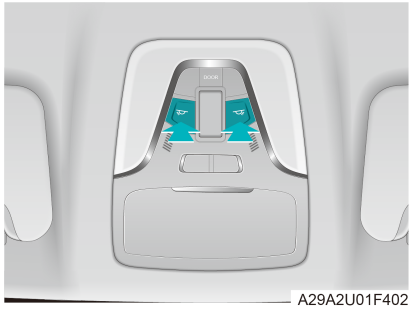
When the reading lamp auto on button is pressed to turn on the reading lamp auto on function, the reading lamp will be turned on/off automatically according to the status of door and vehicle power supply.

Manual on/off of reading lamp



A29A2U01F402

Press the front reading lamp switch to turn on/off the front reading lamp of concerning side.

A29A2U01F204

Press the rear reading lamp switch to turn on/off the rear reading lamp of concerning side.

NOTE

- If the reading lamp is turned on manually before you get off the vehicle, it will automatically go out after a certain period of time.

Introduction to seat belt

Seat belt is a main safety protection device, which can effectively reduce personal injury in an accident when being used together with the airbag. Therefore, be sure to fasten the seat belt before driving.

WARNING

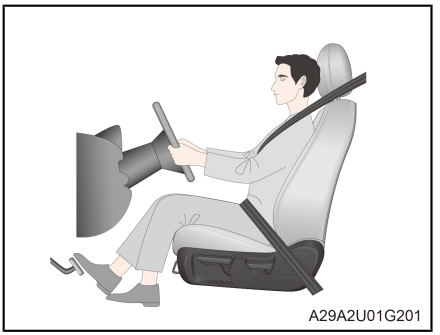
- Each seat belt is for one person only. Do not share a seat belt with other persons (including children).
- Seat belt is designed for adult passengers only.
- Passengers in rear seat are also required to fasten the seat belt properly; otherwise, they may be thrown out when an accident occurs, and then they will be injured seriously and even cause serious personal injury to other passengers and the driver.
- Put the child in a rear seat, and use a suitable child restraint system.
- Take the correct sitting posture, so as to ensure that the seat belt will play to its full for safety protection in case of emergency braking or accident.
- Do not use a faulty seat belt until it is repaired.
- Never install, remove, modify, disassemble or dispose of a seat belt without authorization.

CAUTION

- Prevent the seat belt and its tongue from being pinched by the door; otherwise, the seat belt may be damaged.
- Check the seat belt regularly.
- If the seat belt system fails to work properly, it is recommended to contact GAC AION sales store for inspection or replacement immediately.
- Always replace the seat belt system (including its bolts) if it is used during an serious collision accident even through no obvious damage is found.

Correct sitting posture

Correct sitting posture of the driver



1. Adjust the seat position so that the pedal is easily accessible and the elbow is slightly bent when you hold the steering wheel.
2. Adjust the seat back so that you can operate the steering wheel when you sit up straight without leaning forward.
3. Adjust the headrest to make its center flush with the upper end of ears.
4. Fasten the seat belt correctly.

Correct sitting posture of the passengers

1. Adjust the position of front passenger's seat to keep an appropriate distance from the instrument panel.
2. Adjust the front passenger's seat back so that your back is straight up and fits the seat back closely.
3. Adjust the headrest to make its center flush with the upper end of ears.
4. Fasten the seat belt correctly.

WARNING

- During driving, maintain a correct sitting posture, and keep your back fitting the seat back closely; otherwise serious injury may occur in case of emergency braking or accident.
- The driver should keep a proper distance from the steering wheel.
- Never place a back cushion on the seat.

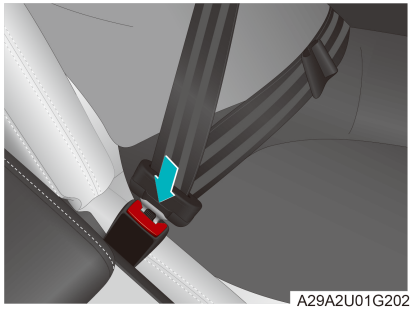
NOTE

- The driver's seat can be adjusted longitudinally by 250 mm, and the standard longitudinal seat position is 30 mm in front of the rearmost position; the standard seat back position is 40° in front of the rearmost position. (the seat back can be adjusted longitudinally by 54°); the driver's seat can be adjusted vertically by 45 mm, and the standard ertical seat position is 13 mm above the lowest position.
- The front passenger's seat can be adjusted longitudinally by 200 mm, and the standard longitudinal seat position is 30 mm in front of the rearmost position; the standard seat back position is 40° in front of the rearmost position (the seat back can be adjusted longitudinally by 54°).

Correct use of seat belts

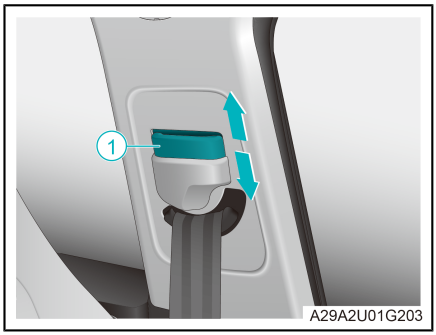
Fastening the seat belt correctly

1. Adjust the sitting posture correctly.



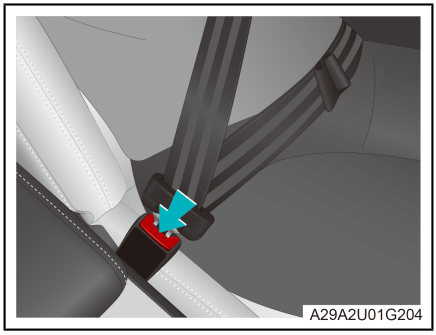
2. Gently pull out the seat belt, route it across the chest and hip, and insert the tongue into the buckle until a click is heard.
3. Pull the seat belt in the opposite direction, confirming that the seat belt is locked securely.
4. Adjust the position of the seat belt.
   - Always route the shoulder belt over your shoulder. The belt should be away from your neck, but not falling off your shoulder.
   - The lap belt should be worn low across the pelvis.

Adjusting the height of front seat belt



1. Push the seat belt height adjuster upward to adjust the seat belt height upward.
2. Press the adjustment button ① of the seat belt height adjuster and move the height adjuster downward to adjust the seat belt height downward.
3. After the height adjustment, try to move the height adjuster downward without pressing the adjustment button, confirming that the seat belt is locked securely.

Unfastening the seat belt



1. Hold the seat belt and press the red button next to the seat belt buckle, so the tongue will spring up automatically.
2. Slowly retract the seat belt back into the retractor.

DANGER

- Do not place the shoulder belt under the arm.
- The lap belt should be worn as low as possible across the pelvis, and if it is worn too high or not properly tensioned, the occupant may suffer personal injury or even death due to body movement in the event of collision or other accident.

WARNING

- Never unfasten the seat belt when the vehicle is running or before the vehicle comes to a complete stop.
- Never adjust the height of seat belt during driving.
- After the tongue springs up, guide the seat belt to retract slowly with hand, so as to prevent personal injury due to quick retraction of seat belt.
- For patients and disabled persons, please follow the doctor's advice, and be sure to wear the seat belt.
- Never place any item between the body and the seat belt.

CAUTION

- If the seat belt cannot be retracted smoothly, check it for twist or deflection. If the seat belt assembly does not work properly, it is recommended to contact GAC AION sales store for repair or replacement immediately.
- Buckles of rear seat belts are placed in grooves of rear seats. Rear seat occupants can take them out when necessary to wear seat belts. Buckles of seat belts should be put into the grooves after use.

How does a pregnant woman correctly fasten the seat belt?

For pregnant women, wearing a seat belt correctly can effectively reduce the injuries suffered by her and her fetus in case of collision or sudden stop.

The shoulder belt should be worn across the shoulder, and the lap belt should be worn low across the pelvis and away from the abdominal area. The seat belt must be worn smoothly, without exerting stress to the lower body of pregnant women.

DANGER

- A pregnant occupant should consult her physician to fasten the seat belt correctly.
- Be sure to wear the seat belt correctly; otherwise the pregnant woman and her fetus will be seriously injured or killed in case of emergency braking or collision.

WARNING

- Do not place any item between the body and the seat belt.

Seat belt pretensioner*

In the event of a collision, the seat belt pretensioner will tension the seat belt quickly to slow down the passenger's inertia movement and reduce the impact injury to the passenger as much as possible.

WARNING

- The seat belt pretensioner is designed for use by one time only.
- Before scrapping the vehicle, always contact the GAC AION sales store or other qualified third party for dismantling and scrapping of the seat belt pretensioner.

NOTE

- In case of slight frontal collision, side or rear collision, rollover, and other accidents without significant frontal force, the seat belt pretensioner may not deploy.
- The seat belt pretensioner may produce some smoke and dust when being deployed, which is normal.

Seat belt reminder

If the driver or front passenger does not fasten the seat belt after the vehicle is started, the indicator lamp or $_2$ on the instrument panel will flash or stay on.

NOTE

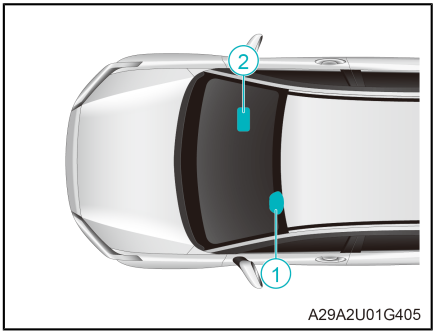
- If the driver or front passenger does not fasten the seat belt at a certain vehicle speed, the buzzer will sound, and a corresponding warning text message will be shown in the instrument cluster.

Introduction to airbag

In the event of a serious collision, the airbag will inflate and deploy quickly to reduce the risk of serious injury to the passenger inside the vehicle together with the seat belt.

Layout of airbags

The supplemental restraint system (SRS) consists of driver's airbag (in the steering wheel trim cover) and front passenger's airbag (in the instrument panel in front of the front passenger), and all the arrangement positions of airbags are identified with the "AIRBAG" marking.



① Driver's airbag

② Front passenger's airbag

DANGER

- The driver and all passengers in the vehicle must fasten the seat belt correctly.
- The airbag will produce a great impact force during deployment, and will cause serious personal injury or even death when the passenger is sat too close to the airbag.

DANGER (Con'd)

- The infants and babies may be seriously injured or even killed by the deployed airbag if not properly protected. When the baby is too small to use the seat belt, it is required to apply an appropriate child restraint system for protection.
- Do not place, install or paste any objects on the instrument panel, steering wheel, or other places where the airbag is installed. Otherwise, those objects will be ejected when the driver's airbag or front passenger's airbag deploys, causing serious injury or even death.
- Never install or paste any object on windshield, door window, side pillar, headlining, etc.
- Never install, remove, modify, disassemble or dispose the supplemental restraint system without authorization.
- Before scrapping the vehicle, it is recommended to contact the GAC AION sales store or other qualified third party for dismantling and scrapping of the airbag.

WARNING

- Maintain a correct sitting posture and fasten the seat belt properly when the vehicle is traveling.
- Adjust the front seat to make it as far away as possible from the instrument panel or steering wheel, and adjust the seat back straight up as much as possible.
- Never allow a child to take the front passenger's seat.
- Do not sit on the edge of the seat or lean on the instrument panel.
- Do not lean on the door and side pillar.
- Never place any object on the leg when the vehicle is traveling.

WARNING (Cont'd)

- Ask passengers not to kneel on the seat towards the door or stretch any body part out of the vehicle.
- Immediately after the airbag is deployed, do not touch any related parts for fear of scalding.
- If you feel breathless after the airbag is deployed, open the door or window for ventilation, and leave the vehicle provided the safety is ensured, and rinse away the residues on the body.
- The airbag is designed for deployment by one time only, and if it is deployed, always renew it.

CAUTION

- Neither hit nor exert a great force to the area where the airbag component is located or the front door; otherwise the airbag may fail or deploy unexpectedly.
- Check the SRS regularly. If any of the following conditions occur, it is recommended to contact GAC AION sales store for inspection or replacement of SRS as soon as possible:
  - When any airbag is deployed.
  - When the front part of the vehicle, the door or the area around the door is damaged or deformed, or the vehicle incurs an accident that is not sufficient to deploy the airbag.
  - When the airbag is scratched, cracked or otherwise damaged.

NOTE

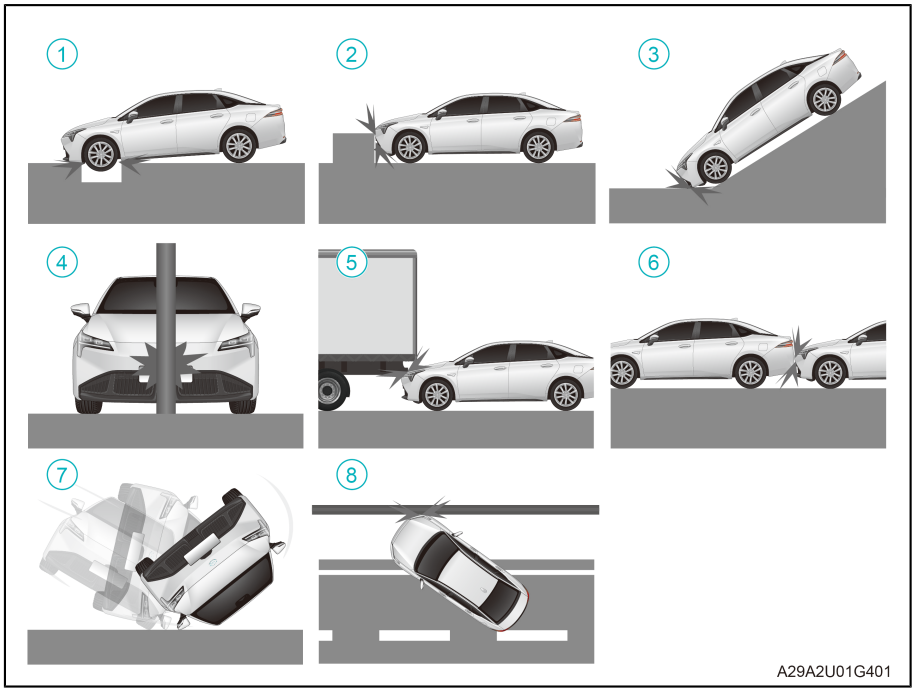
- The driver is required to keep a distance of about 25 cm from the driver's airbag. If the distance is less than 25 cm after sitting, please adjust the seat position. Ensure that the driver's seat is such adjusted that the brake pedal, steering wheel and control switches are easily accessible to ensure effective control.
- When the vehicle is resold, keep the new owner informed of the arrangement and replacement record of airbags on the vehicle.

SRS warning lamp

After the vehicle is started, the SRS warning lamp on the instrument cluster will be on for several seconds, and then go out when no problem is found after self-test. If the warning lamp does not go out after self-test, or goes on again during driving, it indicates that the SRS is faulty, and in this case, please contact the GAC AION sales store for inspection or replacement.

Airbag deployment

The deployment of airbag depends on the vehicle speed, collision angle, accident type, obstacle and other factors at the time of collision.



The airbag may deploy under the following situations:

① Nose-down to the ground when the vehicle crosses a deep groove.

② Hitting a roadside protrusion, curb, etc.

③ Nose-down to the ground when the vehicle runs down a steep slope.

The airbag may not deploy under the following situations:

④ A collision with concrete pillars, trees or other elongated objects.

⑤ A rear-end collision with lower end of a truck.

⑥ A rear-end collision by another vehicle.

⑦ A rollover.

⑧ A collision with a wall or another vehicle, other than frontal collision.

NOTE

◆ When the airbag deploys:

- The deployment (inflation) speed is very high, which may cause minor scratch, scalding or other injury.
- It will produce large noise and a small amount of smoke.
- The airbag and the area around it will be very hot.
- The windshield may be broken.
- The vehicle will automatically cut off the high-voltage power supply.
- The hazard warning lamp will be turned on automatically.

Notices for children

Please follow the warning label on the sun visor: Do not install a child restraint system on the front passenger's seat.

DANGER

- Do not place a rear-facing child seat on the seat with frontal airbag. Otherwise, the child may be seriously injured or even killed by the impact force produced by sudden inflation of front passenger's airbag when an accident occurs.
- Always install the child seat in strict accordance with the installation instructions provided by the manufacturer of the child restraint system. Otherwise, the child may be seriously injured or even killed in case of emergency braking, emergency steering or accidents.
- It is not recommended to hold the child for protection, because the child may bump into the windshield or be crushed in the event of an accident.
- Never leave the child alone in the vehicle, and ask the child not to use the smart key.

DANGER (Cont'd)

- Do not allow the child to lean on the airbag deployment area such as door and side pillar even if he/she is well protected in the child seat. Otherwise, the child may be seriously injured or even killed by the impact force produced by airbag deployment.
- The installation of a child seat on a rear seat may affect the use of seat belt of adjacent seat.
- Prevent the child from playing with the seat belt. Otherwise, when the seat belt is entangled around the child's neck, suffocation, or other serious injury and even death may be caused. If this happens and the seat belt cannot be unbuckled, it is recommended to cut the seat belt with a pair of scissors.

WARNING

- Please choose a child seat suitable for the age, height and weight of the child.
- Before driving, please apply the child safety lock and lock the window of concerning side, so as to prevent the child from opening the door or door window unexpectedly.
- To install the child seat on a rear seat, please adjust the front seat to such a position that the access of child and the use of child seat will not be affected.
- If the driver's seat position causes inconvenience to the use and installation of child seat, please install the child seat on the rear seat on the passenger side.
- Always use the child seat in strict accordance with the operation instructions provided by the manufacturer of the child restraint system.

WARNING (Cont'd)

- Please restrain the child on the seat properly even if the child restraint system is not used. Do not place a child seat in the vehicle without proper securing.

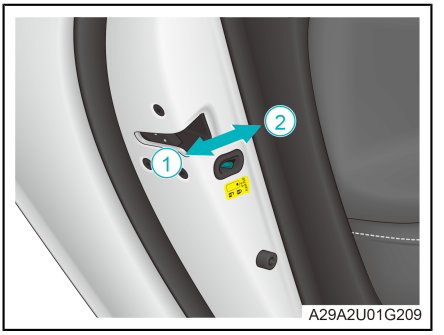
CAUTION

- The child restraint system may incur hardly-detectable damage when the vehicle is heavily collided in an accident, and thus after a serious collision, please stop using the child restraint system.

NOTE

- Always remember and abide by the precautions and regulations related to the child restraint system.
- Not all child seats are suitable for this vehicle. Therefore, please confirm the suitability of the child seat to be used or bought.
- The child seat has high restraint and inclusion effect, and thus it is recommended to apply the child seat from the time when the baby is born to make him/her be accustomed to the child seat, and intermittent use may stimulate his/her dislike to the child seat.

Child safety lock

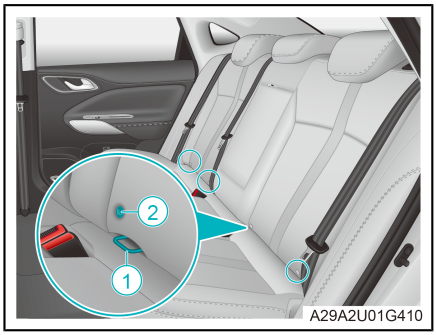


When a child takes a rear seat, please move the switch to locking position ② before closing the door. At this time, the door cannot be opened from inside, so as to prevent the child from opening the door unexpectedly.

To deactivate the child safety lock, open the door from outside, and move the switch to unlocking position ① .

ISOFIX child restraint system

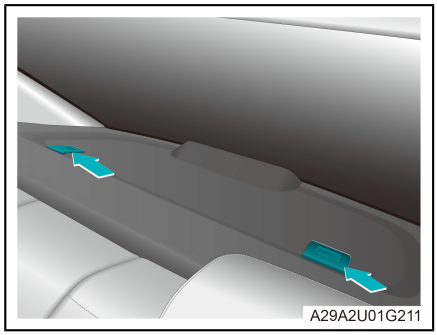
ISOFIX interface is an anchorage interface for hard connection with the child seat which supports the ISOFIX system.



There are four ISOFIX anchorages ① provided between the rear seat back and the rear seat cushion for installation of child seat. Label ② is used to indicate the position of ISOFIX anchorage.

LATCH child restraint system

LATCH interface is an anchorage interface for flexible connection with the child seat which supports the LATCH system.



The LATCH anchorage is located on the shelf behind the seat.

Applicability of child seats

Please select an appropriate child seat and install it in the correct position according to the table below.

Information about the applicability of different seating positions for child seats

Weight group	Mounting position		
	Front passenger's seat	Outboard rear seats	Center rear seat
Group 0 (0~10 kg)	X	U	X
Group 0 + (0~13 kg)	X	U	X
Group I (9~18 kg)	X	U/UF	X
Group II (15~25 kg)	X	UF	X
Group III (22~36 kg)	X	UF	X

The meanings of letters in the table are as follows:

U = Suitable for general category child restraint system approved for this weight group.

UF = Suitable for general category forward-facing child restraint system approved for this weight group.

X = Not suitable for child restraint system of this weight group

NOTE

- For some child seats, a size class is specified. Be sure to check the size class according to the manufacturer's instructions, packaging, and child safety seat label. For guidance on proper installation, please refer to the instructions of the child safety seat.

Information about the applicability of different ISOFIX positions for ISOFIX child seats

Weight group	Size class	Fixture module	Mounting position		
			Front passenger's seat	Outboard rear seats	Center rear seat
Carry-cot	F	ISO/L1	X	X	X
	G	ISO/L2	X	X	X
Group 0 (0~10 kg)	E	ISO/R1	X	IUF	X

Weight group	Size class	Fixture module	Mounting position		
			Front passenger's seat	Outboard rear seats	Center rear seat
Group 0 + (0~13 kg)	C	ISO/R3	X	IUF	X
	D	ISO/R2	X	IUF	X
	E	ISO/R1	X	IUF	X
Group I (9~18 kg)	A	ISO/F3	X	IUF	X
	B	ISO/F2	X	IUF	X
	B1	ISO/F2X	X	IUF	X
	C	ISO/R3	X	IUF	X
	D	ISO/R2	X	IUF	X
Group II (15~25 kg)	/	/	X	IUF	X
Group III (22~36 kg)	/	/	X	IUF	X

The meanings of letters in the table are as follows:

IUF = Suitable for general category forward-facing ISOFIX child restraint system approved for this weight group.

X = ISOFIX positions are not suitable for ISOFIX child restraint system of this weight group/size class.

NOTE

- For some child seats, a size class is specified. Be sure to check the size class according to the manufacturer's instructions, packaging, and child safety seat label. For guidance on proper installation, please refer to the instructions of the child safety seat.

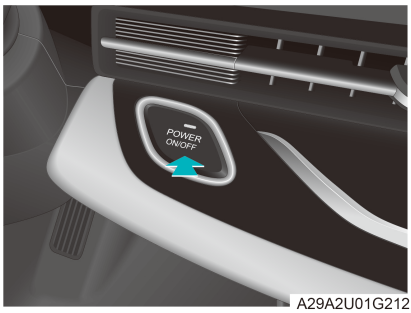
Size class and description of corresponding child seat

Size class	Description of corresponding child seat
A	Full-height front-facing child seat for toddler
B	Height-reduced front-facing child seat for toddler
B1	Height-reduced front-facing child seat for toddler

Size class	Description of corresponding child seat
C	Full-size rear-facing child seat for toddler
D	Size-reduced rear-facing child seat for toddler
E	Rear-facing child seat for infant
F	Left-facing child seat for infant (carry-cot)
G	Right-facing child seat for infant (carry-cot)

Power state switching

Switching power state



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Carry the smart key and enter the vehicle. Then press the power button continuously to switch between "OFF"→"ACC"→"ON"→"OFF".

◇ OFF: the vehicle power supply system is off.

◇ ACC: the power outlet and multimedia system are connected.

◇ ON: All electrical loads of the vehicle are connected.

Entering driving ready status

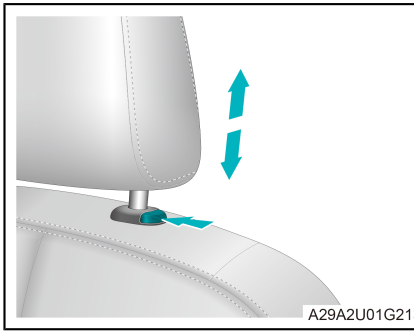
1. Close the door and fasten the seat belt.
2. Depress the brake pedal and press the power button. Then the READY indicator lamp on the instrument cluster will come on, indicating that the vehicle is ready for driving.

NOTE

◆ With the gearshift lever in "P" position, after the power button remains in "ACC" position for a period of time, the power saving mode will be activated and the power button will be set to "OFF" position automatically.

Seat adjustment

Headrest adjustment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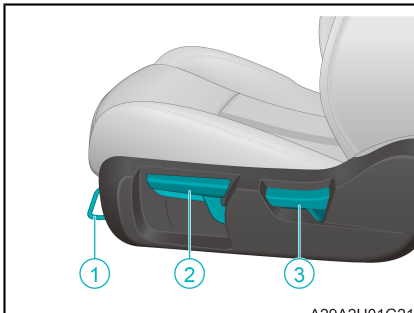
Pull the headrest up in place.

Press the headrest button while pressing the headrest down in place, and then release the button.

Front seat adjustment



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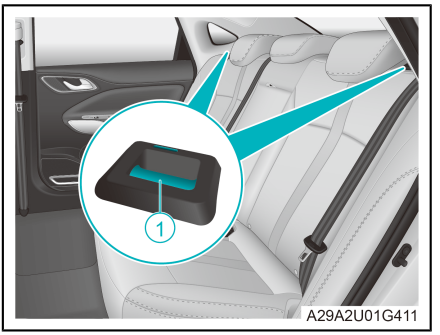
◇ Pull up the middle of the seat position adjusting lever ①, slide the seat to the required position, and release the adjusting lever.

◇ Pull up or press down the seat riser handle ② repeatedly to adjust the seat to the desired height, and then release the handle. (if available).

◇ Pull up the seat recliner handle ③, tilt the seat back forward or backward by the back pressure to adjust the seat back to the desired position, and then release the handle.

Rear seat folding

1. Adjust the rear seat headrest to the lowest position.



2. Pull the folding handles ① on the left and right of rear seat to unlock the rear seat.
3. Pull the rear seat back forward to make it come into contact with the seat cushion, and fold the rear seat back.

Push the rear seat back in contact with the seat cushion backward to the locking position to restore the rear seat back.

DANGER

- 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 may slip over the hip and directly strangle the abdomen, or the shoulder belt may touch the neck, thus increasing the risk of serious injury or even death in case of accident.
- During driving, never sit in a folded seat or in the trunk.

WARNING

- Please take care not to hurt other passengers when adjusting the seat position.
- Make sure there is enough space for feet, for fear of pinch injury.
- Do not place hands under the seat or near moving parts, for fear of pinch injury.
- For adjustment of the seat back angle, make sure that the body back gets close to the seat back to prevent unnecessary injury caused by fast folding of the seat back.
- After the seat is adjusted, try pushing the seat and seat back forward and backward to make sure that the seat and seat back are firmly locked.

CAUTION

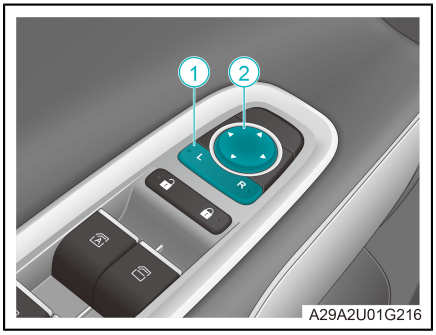
- When front seats are reclined, it is forbidden to ride or place heavy objects on the seat backs. Otherwise, the seats may be damaged.
- Rear seat backs shall be folded and unfolded slowly to avoid damage or abnormal function of the rear seat belts.

NOTE

- Rear seat backs adopt 4/6 split folding design. When a single seat back needs to be folded, pull up the folding handle of the rear seat back on the corresponding side.

Adjustment of exterior rearview mirror

Adjustment of exterior rearview mirror



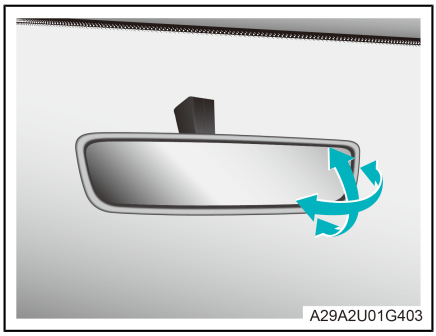
1. After the power button is set to “ON” position, press the selector button ① to select the exterior rearview mirror (L: left, R: right) to be adjusted.
2. Press the four direction buttons on the adjusting button ② to adjust the mirror lens to a suitable angle.

DANGER

- It is forbidden to adjust exterior rearview mirrors during driving.
- Object images reflected by exterior rearview mirrors are smaller than real objects, and the actual distance between the object and the vehicle will be closer than it looks. Never misestimate the distance from the following vehicle, for fear of accidents.

Adjustment of interior rearview mirror

Before driving, it is required to adjust the interior rearview mirror to the appropriate angle.



Adjust the interior rearview mirror up and down, left and right to the best rear view position.

DANGER

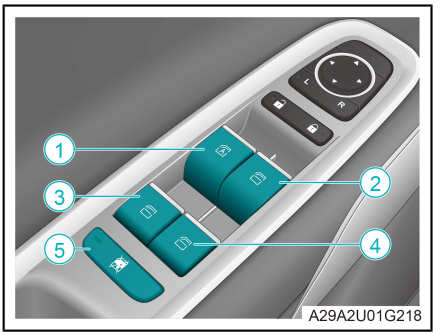
- It is forbidden to adjust the interior rearview mirror during driving.

NOTE

- When the lamplight of the rear approaching vehicle is dazzling, the auto dimming interior rearview mirror will automatically adjust the mirror reflection effect accordingly for mitigation.

Window control

Introduction to driver side power window buttons



① Driver side power window button

② Front passenger side power window button

③ Right rear power window button

④ Left rear power window button

⑤ Passenger side window lock button

Driver side window adjustment

Press or pull the corresponding window button gently and hold it to adjust the window to the desired position and then release the button.

Press or pull the corresponding window button beyond the pressure point and release it, to allow the window to automatically open or close completely. (Express-up & down) (only for driver's door window)

During express-up & down of windows, the windows can be held in current positions by operating the buttons.

Passenger side window locking

Press the passenger side window lock button ⑤ to disable the passenger side window button.

Press the passenger side window lock button ⑤ again to restore the passenger side window button.

WARNING

- The driver is responsible for the operation of all power windows, including the operation by passengers. Never allow children to operate the power windows, for fear that the power windows may pinch children or other passengers.
- When there are children on the vehicle, it is recommended that the passenger side window locking function be active.
- During operation on windows, make sure that no part of the driver and passenger's bodies will be pinched.

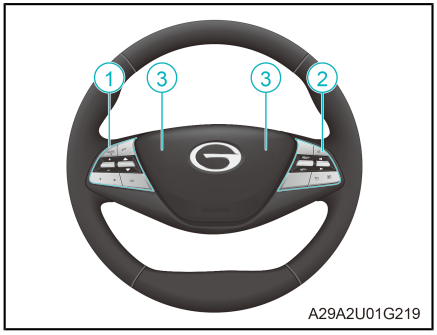
CAUTION

- It is forbidden to operate 2 or more windows at the same time. Otherwise, the vehicle may be damaged.
- It is prohibited to operate the same window in opposite directions by pressing the left front door power window button and other passenger side power window buttons at the same time. Otherwise, the power window may stop working.

NOTE

- Passenger side windows are operated in the same way as the driver side windows.
- When the vehicle is stationary and in the "P" position, if any window is open when the left front door is opened, the instrument buzzer will sound, and a related text message will be displayed.
- Before leaving the vehicle, please check that windows are closed.

Steering wheel control



① Buttons on the left of steering wheel

MODE/	Press this button to switch sound sources/ press and hold this button to pause playback
	Answering/ hanging up/ making a Bluetooth call
+/−	Volume control
▲/▼	Switching instrument cluster display/alarm message, selecting information, and adjusting parameters
◀/▶	Switching instrument cluster display interface
OK	Resetting the driving information on the instrument panel, switching alarm information

② Buttons on the right of steering wheel

	Wake-up/end voice
⏮/⏭	Switch tracks/FM radio stations
RES/+	Restoring/increasing the cruising speed
SET/−	Set/reduce cruising speed
	Activate/deactivate cruise control
	Cancel cruise control

③ Horn sign

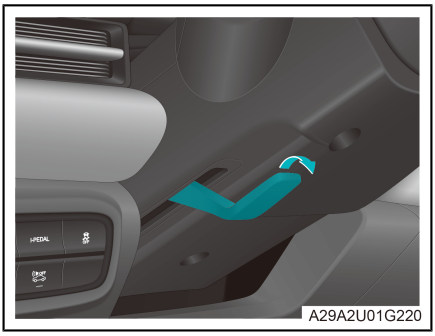
- Press this area to sound the horn, and release it to mute the horn.

NOTE

- Depending on the configuration, buttons on the steering wheel may vary. For specific buttons, the configuration of the actual vehicle shall prevail.
- Some button functions of the steering wheel can only work when certain conditions are met.

Steering wheel adjustment

Before driving, adjust the steering wheel to the appropriate position so as to drive the vehicle more comfortably and safely.



1. Unlock the steering wheel by pulling the steering wheel locking handle down.
2. Adjust the steering wheel to the desired position.
3. Pull back the steering wheel locking handle to lock the steering wheel.

DANGER

- It is forbidden to adjust the steering wheel during driving. Otherwise, the driver may misoperate the vehicle and cause accidents, resulting in serious injuries and even death.
- After the steering wheel is adjusted, make sure the steering wheel is firmly locked. Otherwise, the steering wheel may suddenly move and cause accidents, resulting in serious injuries and even death.

Locking doors from inside of vehicle

When doors are closed, press the locking end of the central locking switch inside the vehicle to lock all the doors.

WARNING

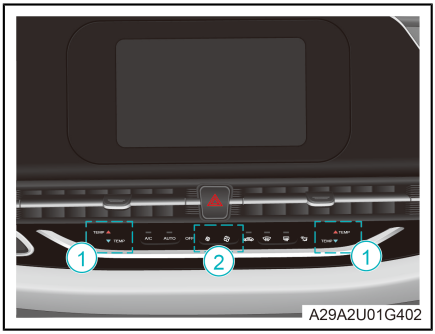
- For driving safety, please lock the doors before driving.

NOTE

- Do not frequently operate the central door lock switch in a short time. Otherwise, the central locking may temporarily fail. In this case, after the door lock motor cools down, the central locking can be used again.
- When any door is ajar, there will be a door ajar prompt on the instrument panel.

A/C control

HCP/interface



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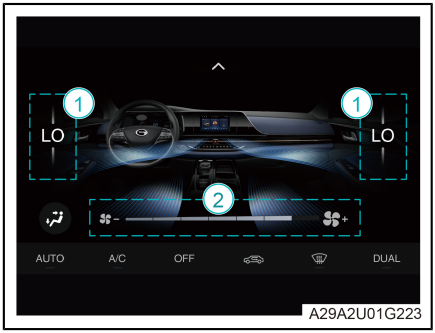

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① Temperature control area for temperature control of A/C

② Air volume control area for air volume control of A/C

OFF	Turning off A/C
A/C	Turning on A/C compressor
AUTO	Turning on the auto A/C
DUAL	Synchronizing A/C temperature on the driving side and the passenger side
	Switching the A/C recirculation/ fresh air mode
	Switching airflow direction from the A/C air outlet
	Turning on the front windshield defrost/defog function
	Turning on rear windshield defrost/ defog function

Turning on or off the A/C

Touch or press AUTO button to turn on the automatic A/C.

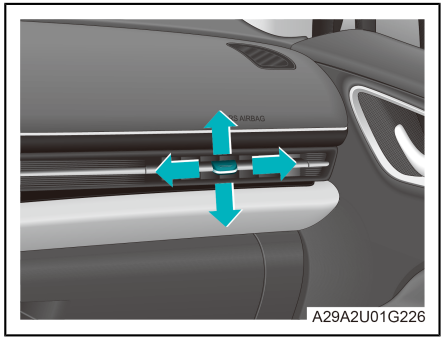
Touch or press OFF button to turn off the A/C.

Quick heating or cooling

For quick cooling or heating of cabin, please turn on the automatic A/C, adjust the temperature control area to “LO” or “HI” position.

Distribution and operation of air outlets

Front air outlet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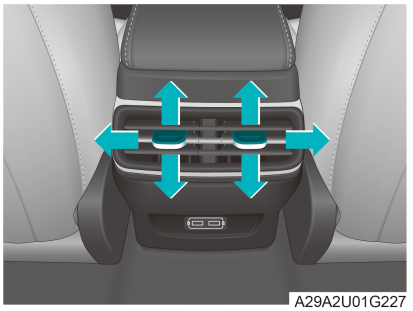
◇ Pull the front side air outlet fork up and down, left and right to adjust the air direction of the front air outlet.

◇ Pull the air outlet fork left and right to the limit positions to control the air outlet to the maximum opening or close the air outlet.

NOTE

- The control mode of the front air outlet is generally the same. Here, the left front air outlet is introduced as an example.

Rear air outlet



- ◇ Pull the rear air outlet fork up and down, left and right to adjust the air direction of the rear air outlet.
- ◇ Pull the air outlet fork left and right to the limit positions to control the air outlet to the maximum opening or close the air outlet.

WARNING

- Long-term activation of recirculation mode will cause accumulation of carbon dioxide in the cabin, which is bad for keeping the driver clearheaded.
- Activation of the recirculation mode in cold or rainy days can cause the windows to mist up, affecting the driver's visibility.
- The front windshield defrost/defog function may cause the outer surface of front windshield to mist up, affecting the driver's visibility.

WARNING (Cont'd)

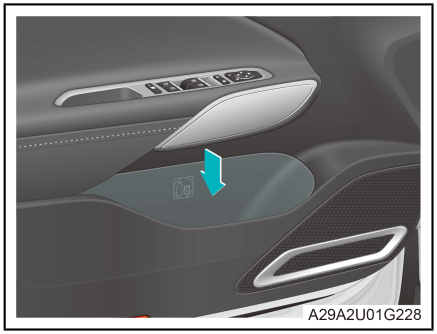
- When the front windshield defrost/defog function is active at ambient temperature above 0°C, if the A/C compressor is turned off, the front windshield may mist up, affecting the driver's visibility.

NOTE

- In AUTO mode, when the outlet air is at high temperature, most of the air comes out through the floor outlets; when the outlet air is at low temperature, most of the air comes out through the panel outlets.
- When the A/C is on, click the A/C button in the center console display to make the A/C system exit the cooling mode and blow natural air.
- The temperature shown in the center console display is the target value of the temperature setting, rather than the measured inside temperature.
- To ensure the best air distribution effect, make sure that all air outlets in the cabin are open.

Storage space

Door interior trim panel storage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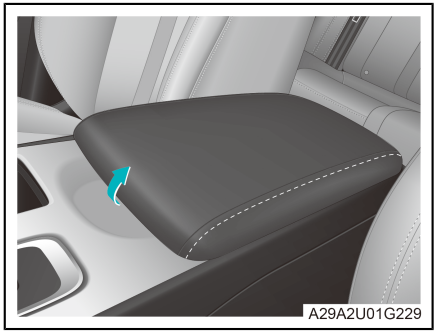
The storage box on door interior trim panel can be used to store maps, beverage bottles, etc.

CAUTION

- When storing drinks in the storage box on the door interior trim panel, ensure that the drinks are sealed to prevent liquid spill during driving.

Central armrest storage box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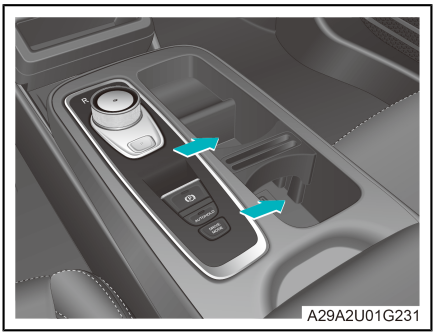
Pull up the central armrest, and open the central armrest storage box.

WARNING

- During driving, make sure that the central armrest storage box is closed.

Front cup holder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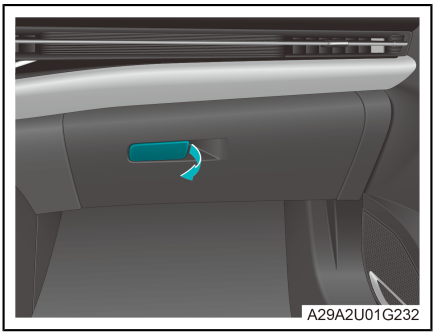
CAUTION

- When placing a cup or beverage bottle, ensure that it is sealed to prevent liquid spill during driving.

Glove box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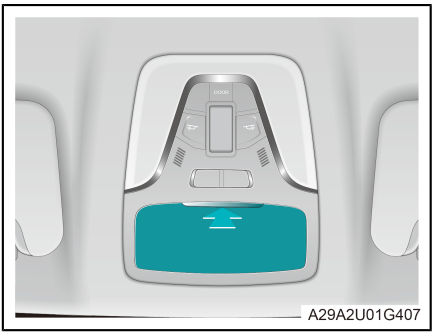
Pull the handle of the glove box to open the glove box.

Push the glove box upward until it is latched and close the glove box.

WARNING

- Make sure the glove box is closed during driving.

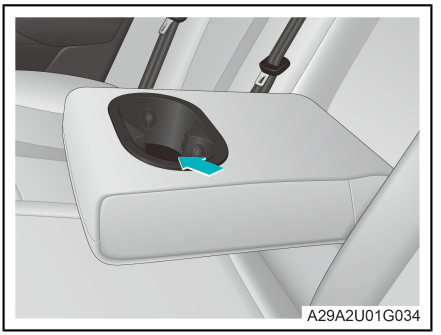
Spectacle case



Press to open the spectacle case cover.

Push the spectacle case cover upward until it is latched to close the spectacle case cover.

Rear cup holder*

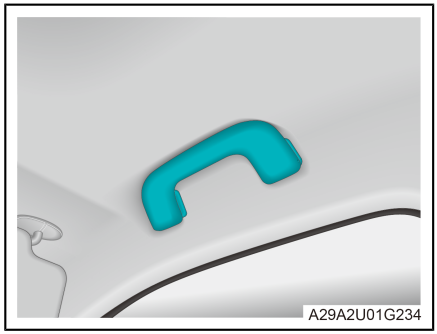


The rear cup holder is in the central armrest. Pull down the armrest before using the rear cup holder.
The rear cup holder is used to hold cups or beverage bottles.

CAUTION

- When placing a cup or beverage bottle, ensure that it is sealed to prevent liquid spill during driving.
- Make sure nothing is inside the rear cup holder before the central armrest is reset.

Safety handrail

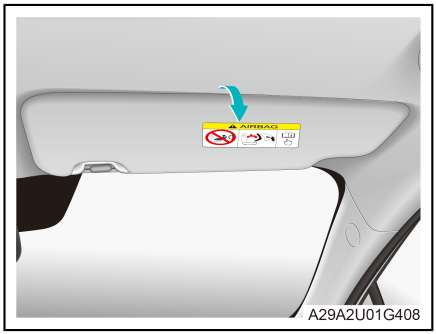


When the vehicle is running fast or on a bumpy road, the safety handrails can be used to keep the body balanced.

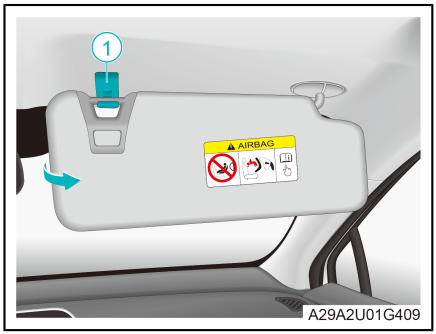
CAUTION

- Do not pull the safety handrail when getting on or off the vehicle or getting up from the seat.
- It is forbidden to hang any heavy objects on the safety handrails.

Sun visor

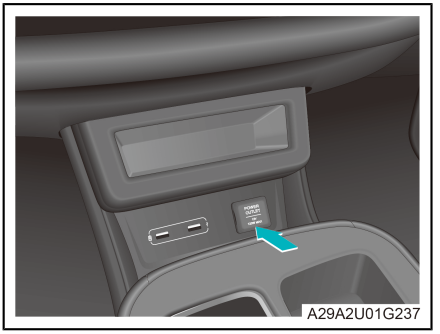


Sun visors are located above the driver's seat and front passenger's seat. Turn down the sun visor to block the dazzling light from the front.



After the sun visor is turned down, disengage the fastening hook ① and turn the sun visor towards the side window to block the dazzling light from the side.

12 V power outlet



With the POWER ON/OFF button in “ACC” or “ON” state, lift the 12 V power outlet cover and connect an electrical consumer at the same time to use the 12 V power supply.

WARNING

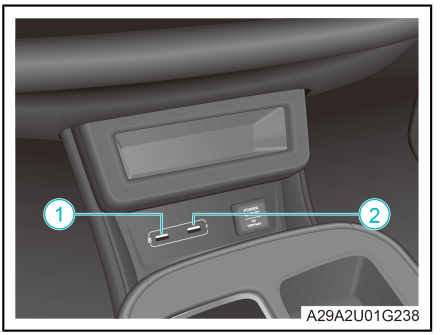
- When there is nobody in the vehicle, it is forbidden to leave the 12 V power outlet in use.
- Never allow children to use or play with the 12 V power outlet.
- The power outlet has the output voltage of 12 V and the maximum output power of 120 W. It is forbidden to connect electrical consumers of more than 120 W to the power outlet.

CAUTION

- When starting or powering off the vehicle, the electrical consumers connected with the 12 V power outlet should be disconnected to avoid damaging the electrical consumers due to voltage luctuation.
- It is forbidden to insert foreign materials into the 12 V power outlet.
- It is forbidden to spill water or other liquids in the 12 V power outlet.
- It is forbidden to disassemble or modify the 12 V power outlet.

USB port

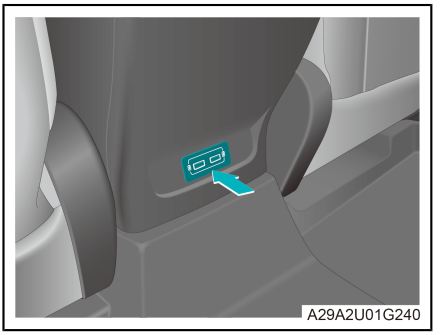
Arrangement of USB ports



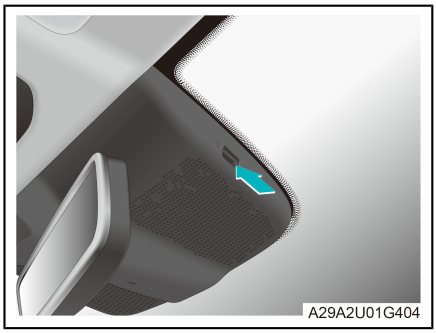
Front USB port

① This USB port is for charging only.

② This USB port supports data transfer and charging.



Rear USB port



USB port at the interior rearview mirror

CAUTION

- It is forbidden to insert foreign materials into USB ports.
- It is forbidden to spill water or other liquids in USB ports.
- It is forbidden to disassemble or modify USB ports.

NOTE

- Rear USB port and the USB port of interior rearview mirror are for charging only.

Bluetooth connection

This vehicle supports functions such as Bluetooth call and Bluetooth music, which can be used after successful Bluetooth connection. Operation steps of Bluetooth quick connection are as follows:

1. Turn on Bluetooth on the mobile phone.
2. Click the Bluetooth widget on the center console display or the Bluetooth connection icon at the upper right corner of the main interface to access the Bluetooth connection interface.
3. Click the Bluetooth switch soft key to turn on the Bluetooth. After Bluetooth is turned on, the AVN will automatically search for nearby Bluetooth devices.
4. Click on the Bluetooth device to be connected, and follow the prompts to complete pairing and connection of Bluetooth.

Bluetooth call

Answer or hang-up

◇ When there is an incoming call, press the button on the steering wheel to answer the call; press and hold the button on the steering wheel to reject the call.

◇ At the end of the call, press and hold the button on the steering wheel to hang up the call.

Make a call

◇ After Bluetooth connection, enter the Bluetooth call interface, and then dial a number directly, click the contact number to make a call or search a contact to make a call.

Mobile phone connection

Apple CarPlay allows you to use your iPhone in an intelligent and safe manner in the car, so that you can use the navigation, music and phone functions of your iPhone on the vehicle's multimedia system.

◇ Interconnection between your mobile phone and the vehicle's multimedia system

1. Connect your phone and the vehicle's multimedia system with a USB cable or in a wireless manner.
2. Tap "Allow" in the pop-up window on your phone.
3. Run Apple CarPlay on the vehicle's multimedia system.

◇ Exit the system

- You can exit the CarPlay vehicle system in any of the following ways:
  Unplug the USB cable or disable wireless connection.
  Shut down CarPlay on your phone.

NOTE

◆ Functions available on CarPlay depend on the actual situation, and usually include navigation, music and phone calls.

Precautions for multimedia use

Read and observe the following when using the multimedia system.

WARNING

- Be sure to pay full attention during driving, and do not operate or check the multimedia system too frequently. Otherwise, the driver is prone to distraction, causing serious traffic accidents.
- During driving, reduce the multimedia volume in the cabin to listen to the warning sound outside. Otherwise, traffic accidents may occur.
- During path navigation through the navigation system, please drive according to actual traffic rules. Completely following the route planned by the navigation system during driving may violate traffic rules sometimes, which can cause traffic accidents.
- Do not operate the multimedia system in no-parking areas. Otherwise, traffic accidents may occur.
- It is forbidden to disassemble, modify or destroy the multimedia system without authorization. Otherwise, problems such as system failure, fire and electricity leakage may occur.
- Keep the multimedia system dry, and avoid liquid ingress. Otherwise, multimedia system may fail and even fire can occur.
- If the multimedia system fails, do not repair it without authorization. Stop using it and contact the GAC AION sales store for repair.
- Do not use the center console display in a faulty state without images or sounds.
- Do not use the USB video display fuction during driving.

CAUTION

- When cleaning the screen, please turn off the multimedia system, and then clean it with a soft dry cloth. Do not use hard cloth, chemical cloth or organic solvent (benzene, ethanol, paint thinner, etc.) to clean the screen. Otherwise, the screen may be damaged.
- Do not knock or press the center console display hard when operating it. Otherwise, the screen may be damaged.
- Do not use sharp or angular hard objects to operate the center console display. Otherwise, the screen may be damaged.
- Do not plug and unplug USB devices repeatedly in a short time. Otherwise, USB devices may be damaged.
- The time for identifying a USB device is affected by the type, capacity, or stored file format of the USB device.
- Do not store too many unnecessary files in USB devices. Otherwise, the identification speed will be affected.
- If heat generates during charging with USB ports, charging performance of USB device may be reduced or failure may occur.
- SD/CF card readers or other USB devices connected to and used with an adapter may not be identified.
- USB devices may not be identified by a common USB cable or extension cable. Please connect the USB devices directly to the USB port for use.
- Vehicle vibration may cause poor contact of USB devices.

CAUTION (Cont'd)

- During media playing with USB devices, the opening time of different video and image files may vary. For example, image files that occupy more storage space, and high-resolution video and audio files take more time to open. That it takes too long time to open a file may cause the system to restart.
- Fast forward and rewind of video are based on addressing by frames. The data formats of converted video files may not be standard. There may be irregular fast forward, rewind and even seizure during video playing. Or, some key frames are lost after conversion, which may lead to seizure and restart.

NOTE

- Do not dismantle, modify or destroy the multimedia system without authorization. Otherwise, the product warranty may be invalidated.
- As USB devices may have compatibility problems, the multimedia system cannot identify all USB devices. In such cases, please replace the USB devices and try again.
- The multimedia system of this vehicle supports USB devices of FAT 16/32 file type only.

Indicator lamps on instrument panel

Name	Icon	Description
Left turn signal indicator lamp		The indicator lamp comes on if the left turn signal lamp is turned on
Right turn signal indicator lamp		The indicator lamp comes on if the right turn signal lamp is turned on
Position lamp indicator lamp		The indicator lamp comes on if the position lamps are turned on
Rear fog lamp indicator lamp		The indicator lamp comes on if the rear fog lamp is turned on
High beam indicator lamp		The indicator lamp comes on if the high beam is turned on
READY indicator lamp	READY	If the indicator lamp comes on, it indicates that the vehicle has started and gears can be shifted
Driver's seat belt warning lamp		The indicator lamp comes on to remind the driver to fasten the seat belt
Front seat belt warning lamp	2	The indicator lamp comes on to remind the front passenger to fasten the seat belt
Charger on indicator lamp		If the indicator lamp comes on, it indicates that the charger is successfully connected with the vehicle charging inlet
AUTO HOLD status indicator lamp	P	If the indicator lamp comes on, it indicates that the AUTO HOLD is activated
Electric park brake (EPB) status indicator lamp	P	If the indicator lamp comes on, it indicates that EPB is applied

Name	Icon	Description
ESP OFF indicator lamp		If the indicator lamp comes on, it indicates that the TCS or ESP is turned off
Cruise control indicator lamp		The indicator lamp comes on when the cruise control function is activated
		If the indicator lamp comes on, it indicates that the vehicle is in cruise control state

NOTE

- Please check the detailed function status of some instrument indicator lamps in specific sections.
- Some indicator lamps on the instrument panel are only displayed on vehicles with relevant configurations. Please refer to the actual vehicle.

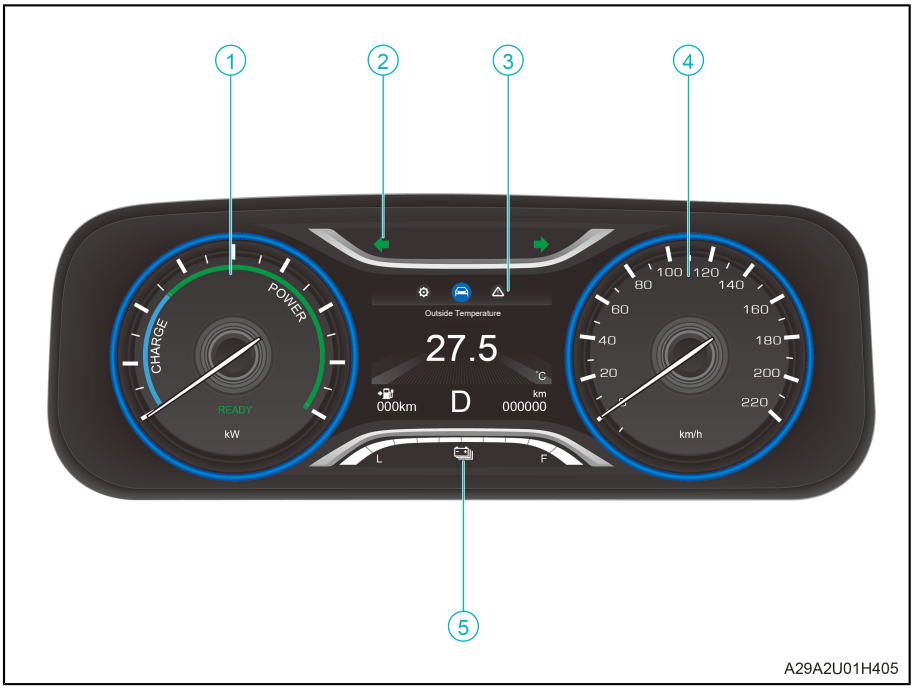
Instrument panel warning lamps

Name	Icon	Description
ABS indicator lamp		If the indicator lamp comes on, it indicates that the ABS is faulty.
SRS warning lamp		If the indicator lamp comes on, it indicates that the SRS is faulty.
ESP indicator lamp		If the indicator lamp comes on, it indicates that the ESP is faulty.
Low voltage battery fault warning lamp		If the indicator lamp comes on, it indicates that the 12 V low voltage system is faulty.
Low battery indicator lamp		If the indicator lamp comes on, it indicates that the traction battery is too low.
EPS indicator lamp		If the indicator lamp comes on, it indicates that the EPS system is faulty.
EPB fault indicator lamp		If the indicator lamp comes on, it indicates that the EPB is faulty.
Electric power system fault indicator lamp		If the indicator lamp comes on, it indicates that the electric power system is faulty.
Parking brake and brake system indicator lamp		If the indicator lamp flashes, it indicates that the brake fluid level in the motor compartment is low. If the indicator lamp stays on, it indicates that the EBD system is faulty.
Reduced-power indicator lamp		If the indicator lamp comes on, it indicates that the powertrain of the vehicle is overheated or faulty, and the vehicle is running at reduced power.
TPMS indicator lamp		If the indicator lamp comes on, it indicates that the TPMS is faulty.

NOTE

- Self-test will be carried out when the vehicle starts, and some warning lamps in the instrument cluster will be on for a short time and then automatically go out. If some warning lamps on the instrument panel are still on after the vehicle starts, please contact the GAC AION sales store for repair in time according to the actual situation.
- Some warning lamps in the instrument cluster are available on vehicles with relevant configurations. Please refer to the actual vehicle.

Instrument panel



① Power information
② Instrument indicator lamp/warning lamp
③ Information display
④ Vehicle speed information
⑤ Battery SOC information

Information display

This area shows driving information such as power consumption and mileage.

Vehicle speed information

NOTE

- According to laws and regulations, the speed indicated on the instrument panel is generally greater than the actual speed.

Power information

This area shows the current power of the vehicle.

Battery SOC information

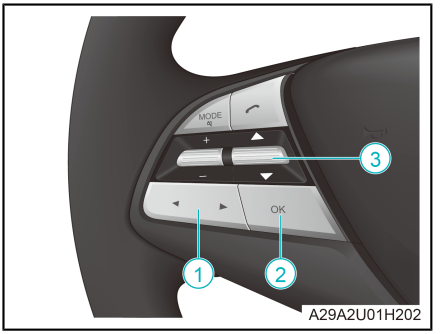
This area shows the current SOC of the battery.

Information display

The information display includes 3 interfaces: driving information, instrument cluster setting, and alarm message interfaces.

The driving information includes power consumption, mileage, door status, tire pressure monitoring, etc. Please switch the corresponding display information according to the actual vehicle.

Instrument information display adjusting buttons



① Instrument information display switching button

② OK button

③ Driving information switching button

How to switch instrument information display interface

Press the button ◀ / ▶ on the steering wheel to switch the instrument information display interface.

The instrument information display interfaces include: driving information, instrument cluster setting, and alarm message interfaces.

How to switch driving information display

1. Press the button ◀ / ▶ on the steering wheel to switch the instrument information display interface to the driving information display interface.

2. With the driving information display interface active, press the button ▲ / ▼ on the steering wheel to switch between different driving information such as vehicle speed, mileage, tire pressure monitoring, power consumption, traction battery and outside temperature.

How to make instrument cluster settings

1. In the parking state, press the button ◀ / ▶ on the steering wheel to switch the instrument information display interface to the instrument setting interface. On this interface, you can set or restore the default settings for driving information display items, instrument backlight, display units, button tones, etc.
2. Press the button ▲ / ▼ on the steering wheel to move the selection cursor, and press the button "OK" on the steering wheel to confirm or cancel the selection.

How to view alarm messages

1. When an alarm message appears, the alarm message pops up on the instrument panel. After confirmation, press the OK button on the steering wheel, so the alarm message is transferred to the alarm center.
2. Press the button ◀ / ▶ on the steering wheel to switch the driving information display interface to the alarm center.
3. On the alarm center interface, press the OK button on the steering wheel to switch to and view different alarm information.

How to reset the accumulated mileage

1. Switch the driving information display interface to the mileage information interface.
2. Press and hold the OK button on the steering wheel to reset the accumulated mileage value.

WARNING

- For operation on the instrument panel information display during driving, special attention should be paid to surrounding areas of the vehicle for safety.
- During driving, do not keep looking at the information display on the instrument panel. Otherwise, you may not see pedestrians and objects on the road in front of the vehicle, resulting in accidents.

CAUTION

- If the information display is abnormal, stop the vehicle immediately in a safe way, and contact the GAC AION sales store for repair.

NOTE

- The odometer of the vehicle cannot be reset.

Tire pressure monitoring system

The vehicle is equipped with TPMS, which can monitor and issue alarms about the tire pressure and tire temperature.

How to view the tire pressure and temperature information

Switch the instrument information display area to the tire pressure monitoring and display interface. View the information such as tire pressure and tire temperature on this interface.

Tire pressure monitoring system alarm

The tire pressure monitoring system issues an alarm when any of the following conditions occurs:

- ◇ Tire pressure is too low.
- ◇ Tire pressure is too high.
- ◇ Tire temperature is too high.
- ◇ Tire leaks rapidly.
- ◇ The system is faulty.

WARNING

- When the tire temperature high alarm is activated, it is recommended that you stop the vehicle, and wait for the tire temperature to decrease before continuing to drive.
- Do not rely entirely on the TPMS. Check the tires regularly to ensure that the tire pressure is normal and tires are free of damage, e.g. puncture, cut, crack, etc.
- If the TPMS indicator lamp comes on, be sure to slow down the vehicle immediately, avoid sharp turns and emergency braking, stop the vehicle safely nearby, and check the tire pressure as soon as possible.

CAUTION

- Some after-market electronic equipment may cause interference which may cause the TPMS failure in proper operation.
- If the tire pressure sensor is replaced, the tire is replaced or tire rotation is carried out, the TPMS shall be subject to matching learning again. Please contact the GAC AION sales store for matching learning.
- If the TPMS issues an alarm, you can switch the driving information display interface to the alarm interface or tire pressure display interface to view the detailed alarm information and take corresponding measures according to the prompts on the instrument panel.

NOTE

- If the vehicle is not running or the vehicle speed does not exceed 25 km/h, the tire pressure and tire temperature on the instrument panel may be indicated as “-”.

Vehicle start

POWER ON/OFF button

1. Enter the vehicle with the smart key.
2. Close all doors and fasten the seat belt.
3. Depress the brake pedal and hold it.
4. Press the POWER ON/OFF button, then the READY indicator lamp READY on the instrument cluster comes on and the vehicle starts and gets ready for driving.

Remote start by smart key

With the POWER ON/OFF button in “OFF” state, press the Lock button on the smart key within the operating range of the smart key, and then press and hold the Remote Power-on button on the smart key quickly until the turn signal lamps flash. If the READY indicator lamp READY on the instrument cluster comes on, it indicates that the vehicle is successfully started through remote control.

NOTE

- If you press and hold the Remote Power-on button on the smart key with vehicle locked after the vehicle is started with the smart key, the vehicle can be powered off through remote control.
- If no operation is performed on the vehicle after the vehicle is started with the smart key, the vehicle will be powered off automatically after a certain period of time.
- Lock all doors before starting the vehicle and never open any door during driving.

Switching of driving modes

This vehicle allows multiple driving modes, which can be switched according to specific application scenarios.

Conventional driving modes

After the vehicle is powered on, switch between normal driving modes through the driving mode switching button on the console or through the center console display.

◇ ECO mode

- Smooth dynamic response and higher range.

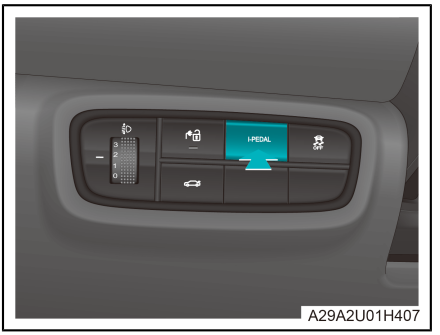
◇ NORMAL mode

- Moderate dynamic response, high ride comfort and moderate range.

◇ SPORT mode

- Fast dynamic response, greater driving pleasure and maximum acceleration.

Special driving modes



After the vehicle is powered on, switch between special driving modes through the I-PEDAL button on the left side of the instrument panel. Press the I-PEDAL button to switch the driving mode to I-PEDAL mode; press and hold the I-PEDAL button to switch the driving mode to ECO+ mode.

◇ I-PEDAL mode

- I-PEDAL mode refers to an integrated pedal mode, where acceleration, deceleration and braking operation may be carried out by depressing, lifting and completely releasing the accelerator pedal. In I-PEDAL mode, energy recovery rate is high and the range of vehicle can be significantly improved. This mode is especially suitable for urban driving cycle.

◇ ECO + mode

- ECO + mode is the ultimate energy-saving mode. After the vehicle enters ECO+ mode, it drives with the lowest energy consumption, which can increase the range and is suitable for conditions when the traction battery is low.

CREEP mode*

When special driving mode is activated, the CREEP mode can be activated or deactivated through the center console display. After the CREEP mode is activated, start the vehicle, switch to drive position, release the parking brake and release the brake pedal. In this case, the vehicle can creep slowly without depressing the accelerator pedal.

WARNING

- The speed reduction caused by the I-PEDAL mode cannot completely replace normal braking. In an emergency, please depress the brake pedal in time.
- When the vehicle is on a steep slope, the CREEP function (if equipped) may not be able to ensure slow movement of the vehicle. In this case, please depress the brake pedal to prevent slipping.
- If the vehicle slides on a slope, depress the brake pedal to stop the vehicle. The driver is responsible for paying attention to the state of the vehicle, otherwise a traffic accident may occur.
- After the vehicle is stopped through the I-PEDAL mode, the driver is strictly forbidden to leave the vehicle before the vehicle is parked safely.
- I-PEDAL mode cannot be used for long-time parking. For long-time parking, set the gear lever to “P” position.

NOTE

- In I-PEDAL, ECO or ECO+ mode, the power is limited and may not allow the vehicle to reach the highest speed.
- In some cases, the driving mode may automatically jump, for example, in ECO mode, when the vehicle is climbing a steep slope or is underpower, the vehicle may automatically switch to NORMAL mode.

Braking energy recovery*

The braking energy recovery converts a part of kinetic energy during vehicle braking or coasting into the electric energy of traction battery, thus extending the range of vehicle.

The driver can set the regenerative braking level through the center console display.

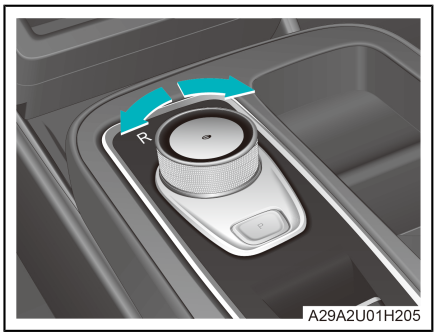
The regenerative braking level can be set to “Off”, “Low”, “Medium” or “High”. The higher the regenerative braking level, the greater the regenerative braking, and the stronger the braking feeling when you release the accelerator pedal while driving. You can choose an appropriate regenerative braking level according to the actual situation.

In ECO+ or I-PEDAL mode, the regenerative braking level is unadjustable.

WARNING

- The speed reduction caused by regenerative braking cannot replace normal braking. Depress the brake pedal during deceleration or parking.
- Please enable the regenerative braking with caution when driving on icy and snowy roads to prevent the vehicle from slipping due to regenerative braking.

Gearshifting

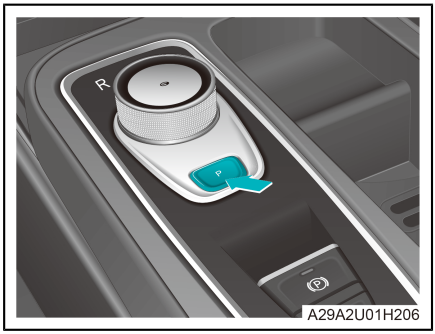


R: reverse gear

N: neutral gear

D: drive gear

Set the POWER ON/OFF button to “ON” position, close the doors, fasten the seat belt, depress the brake pedal, and rotate the rotary shifter to the desired gear. After the gearshifting, the corresponding backlight will come on and the current gear information will be displayed in the instrument panel.

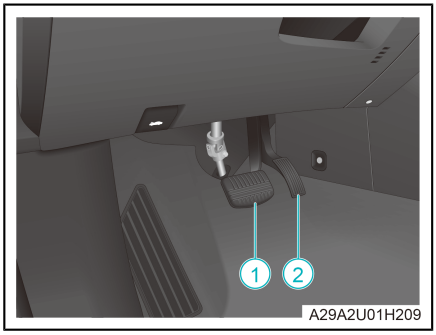


After the vehicle comes to a full stop, press the “P” button to shift to “P” position. Then the EPB is automatically enabled.

WARNING

- Never allow the vehicle to coast in neutral gear.
- Do not rotate the rotary shifter roughly.
- During temporary stop in “N” gear, be sure to apply the parking brake or step on the brake pedal; otherwise the vehicle may slide, causing an accident.

Pedal



① Accelerator pedal

② Brake pedal

WARNING

- Never place any items in the driver's footwell to prevent sliding into the pedal area, hindering the driver to operate the pedal, and thus resulting in a traffic accident.
- Before driving the vehicle, be sure to check that all pedals can be depressed to the floor and released smoothly at any time.
- The driver must wear suitable shoes which are sensitive to pedal movement.
- Never rest your foot on the brake pedal while driving the vehicle; otherwise the brake temperature will rise abnormally and the brake linings will wear excessively, increasing the braking distance.
- Continuous application of the brake will cause brake overheating and result in braking performance degradation and even braking failure.

NOTE

- In case of braking circuit failure, the brake pedal requires larger pedal travel to stop the vehicle.
- When the vehicle climbs down a long or steep slope, it is recommended to activate the I-PEDAL mode to brake with the drive motor and reduce the brake load.

Brake assist control system

Service brake

CAUTION

- If sharp metallic friction sound is emitted during braking, the brake linings may be close to the wear limit. It is recommended that you contact the GAC AION sales store for inspection in time.
- If the steering wheel vibrates or twitches continuously during braking, it is recommended that you contact the GAC AION sales store for repair in time.

NOTE

- Under certain driving and weather conditions, squeaks, screams, or other noises may be heard from brakes when the brake pedal is depressed for the first time or lightly stepped on, or braking noise during light or moderate braking, especially for new vehicles (as their brakes have not undergone running-in), which is normal, and does not constitute a failure symptom of braking system nor has effects on the braking safety and performance.
- Under normal driving conditions, the dust accumulation due to brake wear will not affect the braking performance.
- If rust and corrosion exist because the brake linings and brake discs are not used or used rarely, noise may be heard from brakes for the first use. This is normal. Safe areas and good road conditions are recommended for braking the vehicle several times to clean the brake linings and brake discs.

Anti-lock brake system (ABS)

ABS prevents wheel lockup when you apply the maximum braking force. Under most of the road conditions, the steering control performance of the vehicle can be improved during emergency braking.

During emergency braking, ABS continuously monitors the speed of each wheel and automatically adjusts brake pressure according to the lockup state.

During operation of ABS, you may perceive the brake pedal vibration, which indicates that ABS is working and is normal.

WARNING

- The driver should always maintain the safe distance from the vehicle ahead and master the dangerous situation during driving. Although ABS can improve the braking distance, it cannot go beyond the physical law, and also cannot prevent the danger due to tire slip (when the water layer between the road surface and the tire prevents direct contact between the tire and road surface).

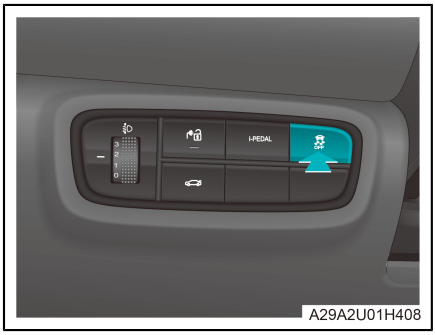
Electronic brake force distribution (EBD)

During normal braking, the EBD balances the distribution of braking force on front and rear wheels according to the vehicle load, in order to achieve the shortest braking distance under the premise of stable braking. This improves the stability and operability of the vehicle during braking, especially during driving on poor or wet and slippery roads.

Electronic stability program (ESP)*

The electronic stability program (ESP) determines the driving intention of the driver according to the steering wheel angle and the vehicle speed, and compares it with the actual driving condition of the vehicle continuously. In case of departure from normal driving route (such as in case

of sideslip), ESP makes correction by applying braking force and limiting torque output to the corresponding wheel to ensure the stability of the vehicle.



ESP is on by default when the vehicle is running. Press the ESP Off button to turn off the TCS. Press and hold the ESP Off button to turn off the TCS and then the ESP. When the TCS or ESP is turned off, the indicator lamp OFF on the instrument cluster comes on.

Hill-start control (HHC)*

The hill-start hold control (HHC) is mainly used to help the driver to pull away successfully on a steep slope.

When the vehicle is stationary, the HHC detects whether the vehicle is on a slope through the longitudinal acceleration sensor. Subsequently, when the vehicle goes up the slope from the stationary state (through forward traveling or reversing), the HHC will automatically enter the working state. At start, when the driver releases the brake pedal, the HHC will maintain the previous brake pressure to ensure that the vehicle remains still and gradually reduce the brake pressure with the increase of driving torque to realize the effect that the vehicle does not slide in the opposite direction without application of parking brake, which greatly facilitates vehicle starting and pedal operation.

On the premise of meeting the following conditions, if the driver depresses the brake pedal with the vehicle stopped, the HHC is activated:

◇ The accelerator pedal is not depressed.

◇ The vehicle is stationary.

◇ The EPB is not applied.

Hydraulic brake assist (HBA)*

HBA assists the driver in emergency braking. It determines whether full braking is required based on the speed at which the driver depresses the brake pedal. As long as the driver depresses the pedal to the floor all the time, the HBA will automatically increase the braking force to the threshold at which the ABS activates. If the driver releases the brake pedal, the HBA will reduce the braking force to the specified value.

Hydraulic boost failure compensation (HBC)*

The hydraulic boost failure compensation (HBC) system controls the vehicle to achieve a large braking deceleration through active pressurization via the ESP in case of failure in the vacuum-assisted brake system.

Braking mode*

The braking mode can be set in the center console display.

◇ Standard: Moderate pedal effort during braking.

◇ Sport: Greater moderate pedal effort and steady foot feel.

⚠ WARNING

◆ Always adjust the vehicle speed according to weather, road and traffic conditions. Never risk driving merely by virtue of the additional safety functions provided by the brake assist control systems, so as to prevent accidents.

WARNING (Con'd)

- Electronic stability program (ESP) (if available) cannot go beyond the physical limit of road adhesion; be careful during driving on a wet and slippery road or with a trailer coupled.
- The driver should adjust the driving style at any time according to the road and traffic conditions.

CAUTION

- Improper operation or modifications (such as modifications to the brake system, wheels, tires and other components) of the vehicle will affect the function of ESP (if available) and ABS.
- Tires of specified specifications and size must be used. If the tire size is incorrect, or the size of the tires is inconsistent, the ABS may not function.

NOTE

- In case of failure in ABS, the normal braking system can still work normally, but braking characteristics have changed.

Acoustic vehicle alerting system of electric vehicle running at low speed

During driving at low speed, the acoustic vehicle alerting system sounds the warning chime to warn pedestrians and vehicles to improve driving safety.

After the vehicle is started, the AVAS is activated by default.

The AVAS sounds the warning chime when the vehicle runs forward at the speed of not more than 25 km/h.

The AVAS also sounds the warning chime during reversing.

AUTO HOLD*

AUTO HOLD can help you keep the vehicle stationary after the braking, without the need of setting the gearshift lever to “N” / “P” position or apply the parking brake. When you need to drive again, just depress the accelerator pedal.

Activation conditions

When the following conditions are met, the AUTO HOLD function can be activated:

◇ The vehicle has been started.

◇ The driver has fastened the seat belt.

◇ All doors have been closed.

◇ The vehicle is stationary.

Activating and deactivating the function

A29A2U01H212

After the activation conditions of the function are met, press the AUTO HOLD button to activate or deactivate the AUTO HOLD function. After the function is deactivated, the button indicator lamp will come on.

Use of AUTO HOLD function

With AUTO HOLD activated, after braking through depressing the brake pedal, the indicator lamp Ⓟ in the instrument panel will come on, indicating that AUTO HOLD is working. At this time, if the brake pedal is released, the vehicle will remain stationary, and after the accelerator pedal is depressed, the vehicle will resume the driving state.

WARNING

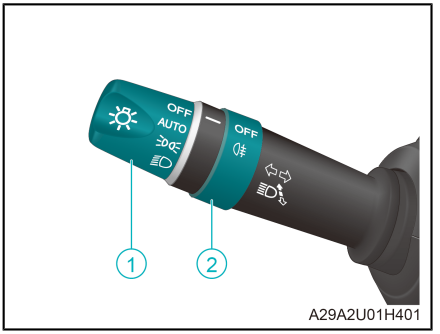
- When AUTO HOLD is in operation, opening the driver’s door or unfastening the driver’s seat belt will deactivate the function.
- When AUTO HOLD is in operation, operating the EPB manually will deactivate the function.

CAUTION

- When driving into a mechanism such as a vehicle washing device that transports the vehicle with a conveyor belt, be sure to deactivate the AUTO HOLD.

Light control

The light control lever includes a light control switch and a fog lamp control switch.



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① Light control switch

② Fog lamp control switch

Activating auto headlamp

If the auto headlamp function is activated, the position lamp and the headlamp will be turned on or off automatically according to the ambient light.

Power on the vehicle, and turn the light control switch to AUTO position to turn on the auto headlamp function.

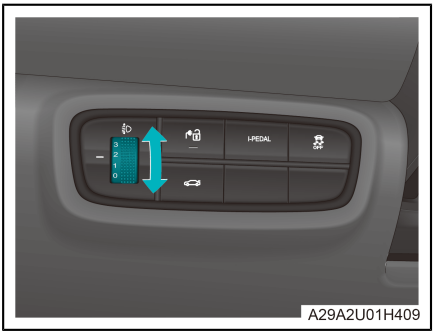
Turning on headlamp

The headlamp is an important illumination tool for nighttime driving. Please turn on the headlamp during nighttime driving.

The headlamp consists of a low beam and a high beam, which should be switched reasonably according to the actual road condition and the driving environment.

Power on the vehicle, and turn the light control switch to position to turn on the headlamp.

Headlamp leveling



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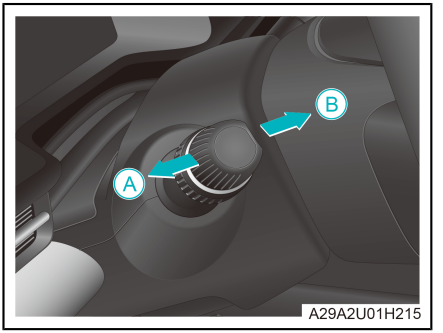
According to the actual vehicle condition, the low beam height can be adjusted via the headlamp leveling roller.

High/low beam switching



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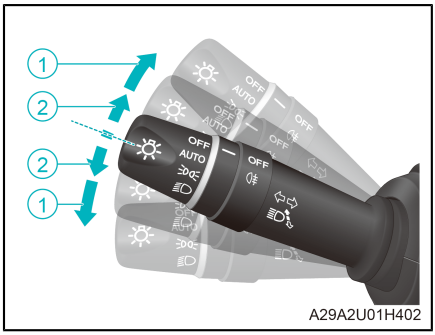
After the headlamp is on, push the light control lever in the direction of arrow A to switch the headlamp to the high beam, and pull back the light control lever in the direction of arrow B to turn off the high beam.

Repeatedly pull the light control lever in the direction of arrow B and reset it to switch between the high beam and the low beam in order to remind other traffic participants (such as when meeting, overtaking or crossing an intersection).

Turn signal lamp



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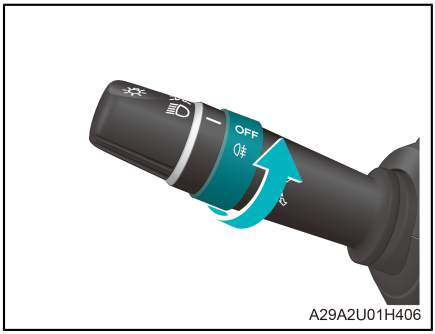
Turn signal: Move the light control lever to ① position to make the corresponding side turn signal lamp flash continuously.

Lane change signal: Move the light control lever to ② position slightly and release it. Then the light control lever will return to the original position automatically, and the corresponding side turn signal lamp will flash 3 times.

Turning on fog lamp



A29A2U01H406

After the headlamp is on, rotate the fog lamp control switch to position and release it. Then the fog lamp control switch will be reset automatically, the rear fog lamp indicator lamp in the instrument panel will come on, and the rear fog lamps will be turned on. Rotate the fog lamp control switch to position again and release it. Then the fog lamp will be turned off.

Turning on position lamp

Power on the vehicle, and turn the light control switch to or position to turn on the position lamps.

Daytime running lamp

The daytime running lamp is turned on automatically when the vehicle is started and the headlamp is not on, to enable other traffic participants to detect your vehicle easily.

WARNING

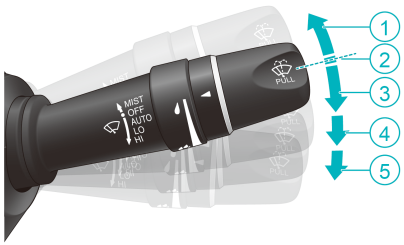
- Please use the light reasonably according to the road condition and the driving environment.
- The high beam may cause dazzling to drivers of oncoming vehicles at close range, which may easily cause accidents. Therefore, please use the high beam reasonably.
- When the vehicle is passing a sharp turn, hill, arch bridge, crosswalk or intersection without traffic lights, the high beam and low beam should be turned on alternately for warning.

NOTE

- Under certain humid conditions (such as high air humidity and car washing), there may be a layer of fog or even a small amount of water droplets in lamps, which occurs on low-temperature lamp lens when moist air enters lamps through vent holes, similar to fogged door windows on rainy days. This is a normal physical phenomenon and will not affect the functions and service life of lamps.
- When the vehicle is in a dry environment or the lamps are turned on, the water vapor will gradually evaporate, and there may be residues only at the corners of the lamps, but the fogging phenomenon may appear repeatedly.
- If there are a lot of water drops or water ingress in the lamps, please contact the GAC AION sales store for repair.
- If you forget to turn off the position lamps, it will automatically go out after the vehicle is powered off for a while or the vehicle enters the anti-theft state, in order to save the battery power.
- If one turn signal lamp on the vehicle fails, other turn signal lamps on the corresponding side and the corresponding turn signal indicator lamp in the instrument panel will flash at a higher frequency.
- After a collision, all turn signal lamps and turn signal indicator lamps will flash at the same time.

Wiper control

Operation of wiper



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Rotate the wiper control lever anticlockwise/clockwise from position ② to select the operation mode of the wiper. Specific control functions are as follows: The specific control is as follows:

① MIST: manual wiping. Set the wiper control lever to this position and hold it to achieve continuous wiping. After being released, the wiper control lever returns to OFF position, and the front wiper stops.

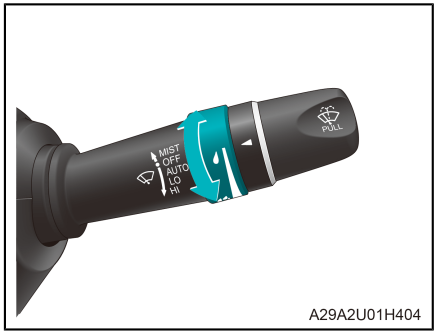
② OFF: the wiper is turned off.

③ AUTO: the wiper operates intermittently.

④ LO: the wiper operates at a low speed.

⑤ HI: the wiper operates at a high speed.

Adjusting automatic wiping sensitivity of front wiper



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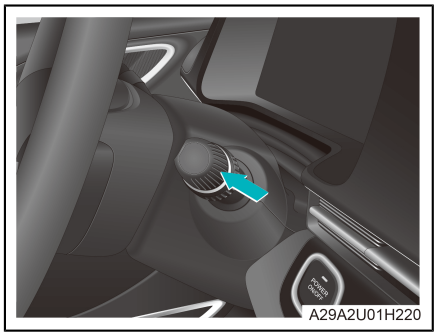
Set the wiper control lever to AUTO position, and rotate the automatic wiping sensitivity switch to adjust the automatic wiping sensitivity of the front wiper.

Front windshield washing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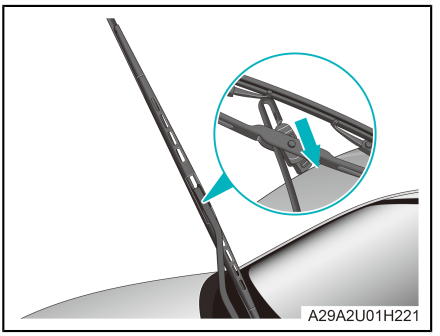
Pull back the wiper control lever towards the steering wheel to spray washer fluid from the washer nozzle. After the wiper control lever is released, the washer nozzle stops spraying the washer fluid, the wiper operates several times, and then operates once after a period of time and stops.

Replacing wiper blades

1. In a short time after the vehicle is powered off, quickly turn the wiper control lever downward to the limit position and then let it return, then the wiper will be turned on, move to the highest position and stop. In this way, the vehicle enters the wiper maintenance mode.

2. Pull up the wiper arm from the front windshield.



3. Turn the wiper blade to a certain angle, force the wiper blade in the arrowed direction in the figure to disengage it from the wiper arm hook, and take out the wiper blade.
4. Install the wiper blade in reverse steps.
5. Gently put the wiper arm back on the windshield.
6. Power on the vehicle, then the wiper automatically returns to its initial position.

WARNING

- Check the wiper blades regularly. Check the rubber for cracks or local hardening. If these phenomena occur, the wiper blade should be replaced, otherwise, a stripe will be left after wiping or the windshield will not be wiped cleanly, affecting the driver's vision.

CAUTION

- Do not open the hood when the wiper arm is pulled up; otherwise the hood and the wiper arm may be damaged.
- After the wiper blade is replaced, hold the wiper arm by hand and place it on the windshield slowly, so as to avoid damage to the windshield due to quick placement.

CAUTION (Con'd)

- After the wiper blade is removed, the wiper arm should be kept upright to avoid damage to the windshield due to fall of wiper arm.

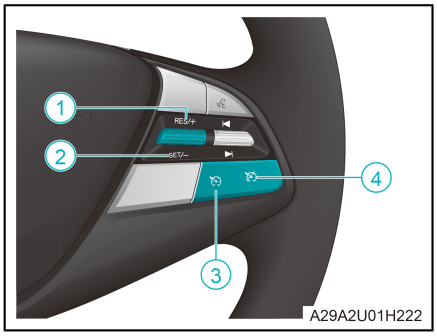
NOTE

- In cold days in winter or in hot days in summer, the wiper maintenance mode may be activated, and the wiper should be lifted up from the front windshield.

Cruise control

The cruise control allows the vehicle to run at the set cruising speed without depressing the accelerator pedal.

Description of cruise control buttons



① Resumption/acceleration button
② Setting/deceleration button
③ Cruise control on/off button
④ Cruise control exit button

Activating CCS

1. With the vehicle in “D” gear, control and maintain the vehicle speed above 40 km/h.
2. Press the button on the steering wheel, then the white cruise control indicator lamp on the instrument cluster comes on.
3. Press the SET/− button on the steering wheel, then the green cruise control indicator lamp on the instrument cluster comes on. After the accelerator pedal is released, the vehicle cruises at the current speed.

Increasing cruising speed

Press RES/+ button on the steering wheel to increase the cruising speed.

Press and hold RES/+ button on the steering wheel to increase the cruising speed continuously.

Decreasing the cruising speed

Press SET/− button on the steering wheel to reduce the cruising speed.

Press and hold SET/− button on the steering wheel to reduce the cruising speed continuously.

Canceling cruise control

When the vehicle is in the cruise control state (the green cruise control indicator lamp is on), press the brake pedal or press the button on the steering wheel to exit the cruise control, then the white cruise control indicator lamp on the instrument cluster comes on.

NOTE

- After the cruise control exits, if the vehicle speed is higher than 40 km/h, press the RES/+ button on the steering wheel to resume the cruise control. The cruising speed will be the value set in the last cruise control. The cruise control cannot be restored if the vehicle speed is lower than 40 km/h.

Deactivating cruise control

When the vehicle is in cruise control state, press the button on the steering wheel to turn off the cruise control.

WARNING

- When driving on heavy-traffic roads, slopes, multi-curve roads or wet and slippery roads, do not use the cruise control for fear of accidents.

WARNING (Cont'd)

- Set speed and distance from a lead vehicle must be adapted to the current traffic conditions. The cruise control system is only a driver assistance system and should be used provided that safety is guaranteed.
- After exiting the cruise control mode, deactivate the cruise control in time.

NOTE

- When the cruising speed is reduced to 40 km/h, it can no longer be reduced by the SET/− button on the steering wheel.
- When the accelerator pedal is depressed for overtaking as needed, the vehicle will temporarily exit the cruise control mode and the power output will be controlled by the accelerator pedal. After the accelerator pedal is released, the vehicle will restore the cruise control. During overtaking, please pay attention to the driving environment and keep a safety distance.

Driving in fog

In case of driving in fog, please read and observe the following.

DANGER

- Before driving, check the lighting system, turn on the fog lamps, position lamps and low beams to improve visibility to avoid traffic accidents.
- In heavy fog, try to avoid driving, for fear of traffic accidents.
- When driving in fog, do not sharply step on or quickly release the accelerator pedal, and do not brake the vehicle or turn the steering wheel suddenly. If it is necessary to reduce the vehicle speed, first slowly release the accelerator pedal, and then lightly step on the brake pedal several times to control the vehicle speed and prevent rear-end collisions.
- Do not turn on high beams when driving in fog.

WARNING

- When driving in fog, slow down and sound the horn if necessary to alert other pedestrians and vehicles. If any horns of other vehicles are heard, it is also necessary to respond by sounding the horn immediately, indicating the location of the ego vehicle.
- When driving in fog, try to drive the vehicle in the middle of the road to avoid colliding with vehicles temporarily parked on the side of the road waiting for the fog to disperse.

NOTE

- When driving in fog, please control the vehicle speed and obey the relevant laws and regulations.

Driving in rain

In case of driving in rain, please read and observe the following.

DANGER

- When driving in rain, do not sharply step on or quickly release the accelerator pedal, and do not brake the vehicle or turn the steering wheel suddenly. If it is necessary to reduce the vehicle speed, first slowly release the accelerator pedal, and then lightly step on the brake pedal several times to control the vehicle speed and prevent rear-end collisions.

WARNING

- When it starts to rain and the road becomes slippery, drive the vehicle at a reduced speed.
- When driving on cloudy or heavily rainy and foggy days with poor visibility, turn on the fog lamps and low beams in time.
- When it rains, the visibility is reduced, it is liable to fog up on the windows and the road is slippery, so drive the vehicle with caution.
- When it rains, clean the exterior rearview mirrors in time to prevent the raindrops accumulated on the rearview mirrors from affecting the driver's sight.
- In case of driving failure due to heavy rain or lightning, it is necessary to park the vehicle in a place where there is no stagnant water to prevent the vehicle from being flooded, and turn on the hazard warning lamps to remind the vehicles behind.
- After driving out of a water-logged road section, depress the brake pedal lightly to check whether the brake function is normal. When the brake linings are wet, the braking efficiency will be significantly reduced, and accidents are likely to occur.

CAUTION

- Before driving over a water-logged road section, check the depth of water, which shall not be higher than the lower edge of the vehicle body.
- The speed of the vehicle driven through the waterlogged roads should not exceed the walking speed.
- After the rain, clean the vehicle in time to prevent the acid substance in the rainwater from corroding the body paint.

Driving in hot seasons

In case of driving in hot seasons, please read and observe the following.

DANGER

- Do not drive the vehicle when wearing slippers or high heels.
- In summer, the tire pressure will increase with the increase of temperature, and the tire is easily to burst. After driving for a certain distance, stop the vehicle to check the tire pressure and wait for the tire temperature to drop before driving.
- In hot summer, always check whether any vehicle circuit is short-circuited or aging, whether the connector is loose, whether the battery is in normal working condition, etc., to prevent the vehicle from spontaneous combustion.

WARNING

- When parking, note to check whether there are dangerous objects and inflammables around.
- Try to avoid exposing the vehicle to the sun for a long time in the hot season, and do not place items such as lighters, paper scraps, cloth toys, perfumes, etc. on the instrument panel and its vicinity.

CAUTION

- If it is unavoidable to expose the vehicle to the sun, park the vehicle with its front not exposed to the sun or use an aluminum foil sunshade. At the same time, the wiper arm can be raised to prevent the wiper blade from aging or even being deformed in advance.

Driving in cold seasons

Precautions for driving in cold seasons

In case of driving in cold seasons, please read and observe the following.

WARNING

- Before driving in cold seasons such as winter, carefully check the safety equipment in the vehicle such as steering wheel, brakes, lamps, instruments, horns, wipers, etc.
- The road is slippery after the snow in winter. During driving, be sure to keep stable speed and even operation. Do not perform unstable operations such as sudden acceleration, emergency braking, sudden steering, etc., and accelerate smoothly and keep driving the vehicle at medium or low speed.
- Be gentle when starting and accelerating to prevent tire slippage and sideslip.
- Always check the battery condition and keep the battery fully charged for starting.
- Use windshield washer fluid containing antifreeze, which can be purchased at the GAC AION sales store and ordinary auto parts stores.
- Have some equipment and tools available for use in an emergency. The following equipment is recommended: snow chains, window scrapers, sandbags, signal flashers, jumper cables, etc.

CAUTION

- Park the vehicle in a place where there is no snow or water accumulation to prevent the water from freezing and tearing the wheels.
- Place wooden boards at the tires to prevent snow from accumulating.
- Avoid parking the vehicle under a tree to prevent ice cubes from falling and damaging the vehicle.
- The wiper arm can be raised during parking to prevent freezing on the windshield and avoid tearing the wiper blade or damaging the motor during use.

Using tire chains

Tire chains can be installed to the front wheels for driving in harsh conditions such as snowy or icy roads in winter.

WARNING

- Tire chains must be installed in pairs to the driving wheels.
- Do not install the tire chain to the emergency spare tire (if equipped). If the front wheel is equipped with a spare tire and the tire chain needs to be installed, be sure to change the positions of the spare tire and the rear wheel.
- Install tire chain on the tires to ensure balanced driving in all kinds of weather. It shall be borne in mind that after installation of tire chains, the car power may be insufficient. Even if the road surface is in good condition, drive carefully.
- While driving, neither exceed the specified speed limit of tire chains nor exceed 50 km/h, whichever is lower. Do not overspeed, accelerate sharply, decelerate sharply, or make sharp turns.

WARNING (Cont'd)

- When decelerating, operate the brake pedal reasonably. Emergency braking on snowy or icy roads will cause the vehicle to drift and slip. Maintain an appropriate safety distance from the lead vehicle, step on the brake pedal slightly, and bear in mind that installing tire chains to the tires can increase certain friction force, but can not prevent sideslip.
- Failure to do this will adversely affect the performance and safety of the vehicle.

CAUTION

- Do not use tire chains on dry ground. After driving to snow-free roads, remove tire chains.

NOTE

- Various countries and regions have different regulations on tire chains. Before assembling tire chains, be familiar with the local laws and regulations.

Reversing parking aid (RPA)

The RPA uses the ultrasonic sensor on the rear bumper of the vehicle to detect the distance between the rear of the vehicle and obstacles, assisting the driver to park the vehicle and adjust the vehicle position.

Using RPA

When the gearshift lever is moved into the “R” position, the RPA will automatically be turned on, and when the RPA recognizes an obstacle within the detection range, it will start to alarm.

When the gearshift lever is moved out of the “R” position, the RPA will automatically be turned off.

WARNING

- The RPA cannot take the place of the driver’s observation of the surrounding environment. The driver shall focus on safely reversing and position adjustment according to the practical conditions.
- The RPA sensors have blind spots while they detecting obstacles. During reversing, the driver shall observe the surrounding environment carefully to avoid scratches or collisions.
- Please control the speed when reversing to avoid danger. When the RPA sends the continuous audible alarms, it indicates that the vehicle is extremely close to the detected obstacle, and reversing shall be stopped immediately to prevent an accident.

CAUTION

- Keep the RPA sensor surface clean and not blocked. If the RPA sensor is dirty or blocked, that is, the RPA sensor area is covered by rain, snow, mud or others, its related functions may fail to work, and the instrument.

CAUTION (Cont’d)

cluster may display related function disabled or fault information. To restore these functions to normal, clean the dirts.

- Do not attach accessories, stickers (including transparent stickers) or other objects on the RPA sensor or its surrounding area.
- If the RPA sensor is damaged or its direction changes, the instrument cluster will display the alarm information. In this case, please contact the GAC AION sales store for inspection in time.
- The RPA sensor or its surrounding area should be free from strong impact. If the RPA sensor is strongly impacted, please contact the GAC AION sales store for inspection.
- If the bumper needs to be repainted due to scratches or color modification, avoid the area where the RPA sensor is installed. The change of paint color may impair the performance of the RPA sensor.
- Clean the RPA sensor surface with a piece of soft wet cloth to avoid scratching it.
- Clean the RPA sensor with a high-pressure cleaner gently in snatches and the nozzle shall be at least 10 cm away from the sensor.
- If water drops are on the surface of the RPA sensors, the sensitivity of the sensors will reduce. Wiping off them with a piece of soft cloth can restore the sensitivity of the sensors.
- The RPA sensor must be adjusted and calibrated after the RPA sensor or its mounting bracket is removed or installed, the toe-in is adjusted, or a vehicle collision occurs.

CAUTION (Cont'd)

- Repair of the vehicle body or bumper may cause the direction of the RPA sensor to change and affect the functions related to the RPA sensor. It is recommended to contact the GAC AION sales store for inspection.
- The adjustment and calibration of the RPA sensor and camera requires the use of special tools and equipment. It is recommended to contact the GAC AION sales store for related work.
- The radar sensor is a precision component, which shall not be disassembled and repaired without permission. Otherwise, GAC will not assume any responsibility for the damage arising therefrom.

NOTE

- When the reversing speed is too high, the RPA may not work.
- When the vehicle is reversing at a narrow place or on an uphill slope, the RPA sensors may not detect railings, trees or slope surfaces, which is normal.
- The surface of some materials cannot reflect the signal from the RPA sensor, so that the RPA sensor cannot detect such materials or people wearing the clothing made of such materials.
- Noise sources outside the vehicle may interfere with the RPA sensor, preventing it from detecting any object.

Reverse image system

The reversing image system displays the video image behind the vehicle on the center console display to assist the driver in knowing the road conditions behind the vehicle and improve the safety of reversing.

Using reversing image system

The reversing image system is turned on automatically when the vehicle is shifted to "R" position, and the video image behind the vehicle is displayed on the center console display. When the vehicle is shifted out of "R" position, the reversing image system is turned off automatically.

WARNING

- The reverse image system cannot take the place of the driver's observation of the surrounding environment. The driver shall focus on safe reversing and position adjustment according to the practical conditions.
- The CCD has blind spots. It is important to pay special attention to the young children or small pets around the vehicle during reversing.
- The reverse image system may not display the vertical objects at high position, such as wall top.

CAUTION

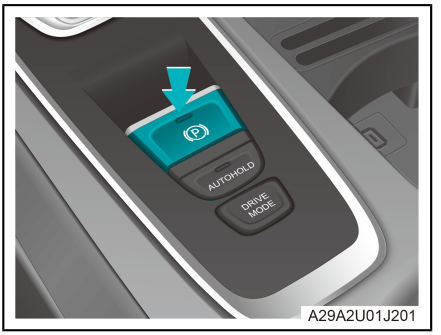
- Do not attach accessories, stickers (including transparent stickers) or other objects on the camera or its surrounding area.
- The camera or its surrounding area should be free from strong impact. If the camera are strongly impacted, please contact the GAC AION sales store for inspection.
- Keep the surface of the camera clean and not blocked at all times. Clean the camera with a piece of soft wet cloth to avoid scratching the camera.

CAUTION (Cont'd)

- Do not use a high-pressure cleaner to clean the CCD for a long time, and if it to be used, please keep the nozzle at least 30 cm away from the CCD.
- The camera must be adjusted and calibrated after the camera or its mounting bracket is removed or installed.
- The adjustment and calibration of the camera requires the use of special tools and equipment. It is recommended to contact the GAC AION sales store for related work.

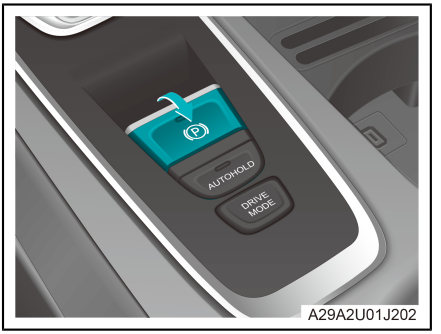
Electric parking brake (EPB)

Release of parking brake



When the POWER ON/OFF button is in "ON" state and the vehicle is not in "P" gear, step on the brake pedal and press the EPB button, then the button indicator lamp and the instrument indicator lamp Ⓟ go out and the parking brake is released.

Application of EPB



When the vehicle is stationary, pull up the EPB button, then the button indicator lamp and the instrument indicator lamp Ⓟ come on and the parking brake is applied.

Application of emergency braking

If the service brake fails while the vehicle is running, you can try to continuously pull up the EPB button for emergency braking. Release the EPB button or depress the accelerator pedal so that the system exits emergency braking.

WARNING

- Do not use dynamic emergency braking unless necessary, as it is likely to cause traffic accidents. Moreover, the braking distance is longer than that generated during braking by depressing the brake pedal, and the service life of the parking brake system will be shortened.

Towing mode

1. After the vehicle starts, shift into "N" gear and release the EPB.
2. With the EPB button pressed and held, press the POWER ON/OFF button to power off the vehicle, then, after the "P" gear indicator lamp blinks for several times, the "N" gear indicator lamp comes on and the EPB indicator lamp goes out.
3. Observe whether the instrument indicator lamp Ⓟ is on. If not, it indicates the vehicle successfully enters the towing mode.

WARNING

- When the vehicle is running, do not apply the EPB for speed reduction unless necessary, as the EPB only applies braking force to rear wheels, which is likely to cause traffic accidents.
- Be sure to apply the EPB during parking.

CAUTION

- When the battery power is low, the system cannot release the EPB. If conditions permit, you can connect a jumper cable for emergency start, and then release the EPB. It is recommended to contact the GAC AION sales store for operation.

CAUTION (Con'd)

- If the vehicle continues to slide after the EPB has been applied on the slope, please depress the brake pedal, drive the vehicle to a flat road, and contact the GAC AION sales store for inspection in time.
- In the following cases, try to apply and release the EPB repeatedly. If the fault has not been eliminated, it is recommended to contact the GAC AION sales store for inspection.
  - If the EPB status indicator lamp (P) on the instrument cluster keeps flashing, it indicates that the EPB is faulty.
  - If the EPB status indicator lamp (P) on the instrument cluster comes on when EPB is not applied, it indicates that the EPB is faulty.
  - If the EPB fault indicator lamp (P) on the instrument cluster comes on, it indicates that the EPB is faulty and its braking performance is degraded.

NOTE

- If the EPB cannot be released when the gearshift lever is in “P” position, the instrument cluster will give an alarm to remind you.
- If the “P” button is pressed during driving, the instrument cluster will give an alarm message together with an audible beep alarm.
- When the EPB is applied or released, operation noise will be generated, which is normal.
- If the EPB has not been used for a long time, the system will perform automatic test, and motor running noise will be generated, which is normal.
- EPB will choose different application force strategies on different slopes. EPB can realize parking on a slope with a maximum gradient of 30%. If parking on a slope with a gradient greater than 30%, there will be a risk of slipping, and the EPB will be applied again, which is normal.
- After the EPB is applied, it can ensure that the vehicle does not slide on a slope with a gradient of 30% within 5 min. If sliding occurs during this duration, the EPB will be applied again.

Closing all windows

Before getting out of the vehicle, make sure all windows are closed. If any window is not closed, press the power window control button on the driver side to close all windows.

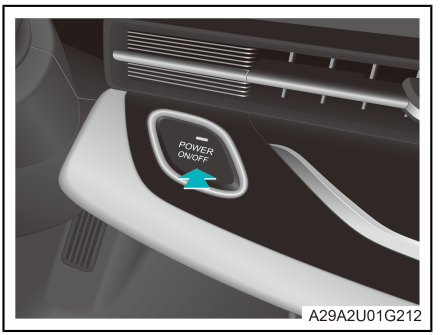
WARNING

- During operation on windows, make sure that no part of the driver and passenger's bodies will be pinched.

CAUTION

- It is forbidden to operate 2 or more windows at the same time. Otherwise, the vehicle may be damaged.
- It is prohibited to operate the same window in opposite directions by pres sing the left front do or power window button and other pa ssenger sid e power window buttons at the same time. Otherwise, the power window may stop working.

Poweroff



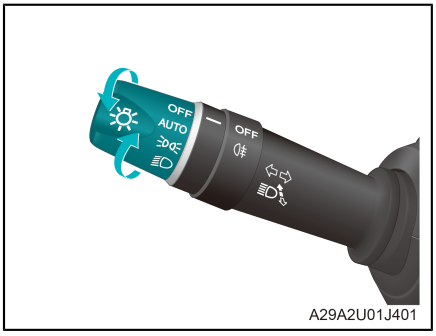
When you press the POWER ON/OFF button after the vehicle is stopped, the vehicle power supply will be switched to OFF state.

NOTE

- During normal driving, do not press the POWER ON/OFF button. For power-off in an emergency, please refer to "Emergency treatment - Owner emergency - Emergency start of vehicle".

Follow Me Home

The Follow Me Home provides light when you park at night and go home.



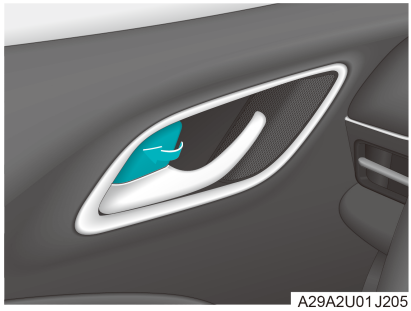
Within a period of time after the POWER ON/OFF button is switched to “OFF” state, quickly turn the light control switch from “OFF” position to another position and then back to “OFF” position, and close the door, then the low beams will come on for a period of time and then go out.

Unlocking doors inside the vehicle

Central unlocking

All the locked doors can be unlocked by pressing the unlocking end of the central locking switch inside the vehicle.

Unlocking by door inside handle

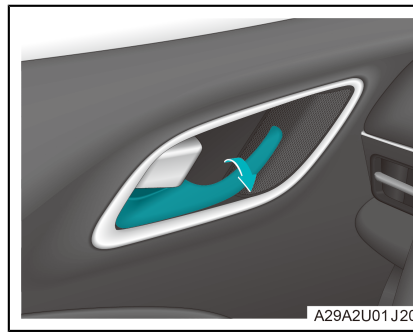


The locked door can be unlocked by pulling the door inside handle in the direction indicated by the arrow.

NOTE

- Do not frequently operate the central door lock switch in a short time. Otherwise, the central locking may temporarily fail. In this case, after the door lock motor cools down, the central locking can be used again.
- When the POWER ON/OFF button is switched from “ON” or “READY” to “OFF” state, the door will automatically be unlocked. (This function can be enabled or disabled via the center console display for some models.)

Opening doors inside the vehicle



After the vehicle is unlocked, the door can be opened by pulling the door inside handle.

Safety notes before getting off the vehicle

Set the POWER ON/OFF button to “OFF” state and open the left front door. If any lamp is not turned off or any door or window is not closed, there will be corresponding audible and visible prompts on the instrument cluster.

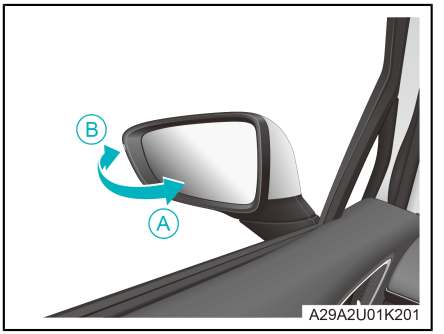
Locking outside the vehicle

When the vehicle is powered off, the driver and passengers leave the vehicle, all doors are closed, and there is no effective key in the vehicle, press the Lock button on the smart key within the operating range to lock the vehicle.

NOTE

- The horn alarm for vehicle locking/unlocking can be switched on/off in the center console display.
- When the vehicle is locked, if any door, the hood or the trunk is not closed, the vehicle will give an audible and visual reminder.

Exterior rearview mirror folding



Pull the exterior rearview mirrors toward the rear of the vehicle (arrow A) to manually fold them.

Pull the exterior rearview mirrors toward the front of the vehicle (arrow B) to manually unfold them.

WARNING

- Before driving, make sure the exterior rearview mirrors are unfolded, and adjust them to an appropriate angle.

Body anti-theft

Body anti-theft

When the vehicle is locked, the vehicle will enter the anti-theft status.

Anti-theft alarm

When the vehicle is locked and any door is illegally opened, the alarm will be triggered, the left and right turn signal lamps will flash, and the horn will sound.

If the anti-theft alarm is triggered for a period of time and the vehicle is still not unlocked, the vehicle will temporarily deactivate the alarm function.

Alarm cancel

If the vehicle is unlocked or started using a valid key during alarming, the alarm will be automatically canceled.

Switching of alarm mode

There are two anti-theft alarm modes, that is, audible and visual alarm, and visual alarm, the former of which is the default mode.

With the vehicle power supply switched off, you can press and hold the locking and unlocking buttons on the smart key at the same time to switch between these two modes. If the switching is successful, the left and right turn signal lamps will flash simultaneously several times.

CAUTION

- Do not modify or disassemble the body anti-theft system, otherwise the system will not work properly.

NOTE

- Do not leave the key in the vehicle but carry it with you when leaving the vehicle.
- The body anti-theft system cannot prevent all thefts or guarantee the absolute safety of the vehicle.
- In order to prevent accidental alarm triggering or vehicle theft, please ensure the followings:
  - No one is in the vehicle.
  - The windows are closed before the vehicle is armed.
  - There are no valuables or other personal belongings in the vehicle.
- An alarm may be triggered in the following cases.
  - Door unlocking using the mechanical key.
  - Vehicle unlocking from inside after the vehicle is locked.
  - Door opening from inside after the vehicle is locked.

Charging instructions

Charging methods

This vehicle has two charging methods: AC charging and DC charging.

Charge limit setting

According to your electricity needs, the charge limit can be set through the center console display.

NOTE

- The charge limit cannot be set for some models. Please refer to the actual vehicle.

Charging status indication

You can know the charging status of the vehicle through instruments, charging piles, etc.

◇ Indications on instrument cluster

- After the charger is successfully connected to the vehicle inlet, the charger connected indicator lamp on the instrument cluster will come on.

◇ Charging pile indication

- If a charging pile is used, the charging status of the vehicle will be displayed on the screen of the charging pile. Please refer to the actual indication of the charging pile.

Charging precautions

Please read and observe the followings carefully before charging your vehicle.

WARNING

- Please use the charging device that meets the regulatory requirements. Otherwise, it may result in charging failure, even causing vehicle damage or personal injury in severe cases. If necessary, please contact the GAC AION sales store.

WARNING (Cont'd)

- Do not modify or disassemble the charging device without authorization. When the charging device is faulty, please contact the manufacturer, and do not try to troubleshoot it by yourself.
- Do not use the charging device when it is damaged, rusted, wet, has foreign objects or is damaged in any way.
- Do not charge the vehicle when the surface of the charge cable or vehicle charging connector is cracked, the surface of the socket is damaged, rusted or cracked, or the connection is too loose.
- Do not use the charger and the vehicle inlet when they are deformed, blackened or ablated, otherwise the vehicle or charging device may be damaged, and in severe cases, personal injury may occur. If necessary, please contact the GAC AION sales store.
- The charging device must be well grounded when in use.
- Do not charge the vehicle in a place with flammable materials, and a ventilated place is recommended.
- Minors are prohibited from using the charging device or from approaching the vehicle being charged.
- Do not charge the vehicle in the open air in thunderstorms. Otherwise, it may result in charging failure, even causing vehicle damage or personal injury in severe cases.
- When you need to charge the vehicle exposed to the rain, please confirm whether there is water entering the charging inlet. It is forbidden to charge the vehicle when there are obvious water stains in the charging inlet. Otherwise, it may result in charging failure, even causing vehicle damage or personal injury in severe cases.
- During charging, please ensure that the vehicle is properly connected to the charging pile, and never touch, unplug or plug the charger.

WARNING (Cont'd)

- Due to the danger of high voltage, it is recommended to keep a certain distance from the charging pile when charging the vehicle, otherwise it may cause personal injury.
- During the charging, users with implanted medical equipment such as pacemakers need to stay away from the vehicle being charged to avoid electromagnetic interference affecting the work of the medical equipment.
- During the charging, if you find any odor or smoke in the vehicle, please stop charging the vehicle immediately and contact the GAC AION sales store.
- After the charging, do not disconnect the charging device with wet hands or standing in water, otherwise it may cause electric shock and personal injury.

CAUTION

- Do not directly pull the cable to move the charging device, and please handle it with care.
- When the instrument cluster shows a low battery, please charge the vehicle as soon as possible. Charge the battery before its battery power is completely exhausted, otherwise the service life of the traction battery system will be affected.
- Before the charging, please check whether the charger and the vehicle charging inlet are clean and free of foreign objects. Otherwise the charging may fail or the vehicle charging inlet may be damaged.
- During charging, do not use a high-pressure washing device to wash the vehicle inlet. Otherwise, it may result in charging failure, even causing damage to the vehicle or charging device.
- Make sure that the charging device is disconnected and the charging inlet cap is closed before starting the vehicle.

NOTE

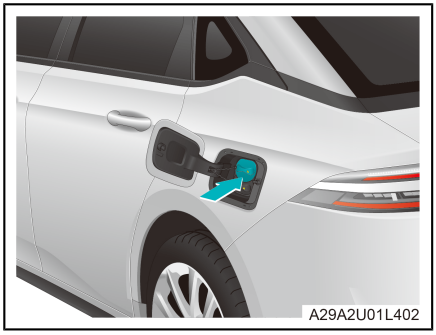
- Please read and observe the use instructions and precautions related to the charging device carefully.
- The vehicle must be parked before being charged.
- When the battery temperature is low, it may not be possible to charge at full power at the beginning of charging. As the battery temperature increases during the charging, the charging power increases.
- Charging the vehicle in a high-temperature or low-temperature environment will reduce the charging power and prolong the charging time.
- The vehicle cannot be charged while the software is being upgraded.

AC charging

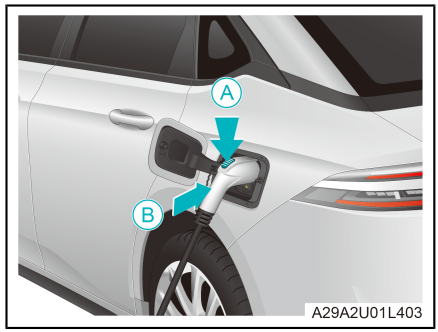
General operation steps of AC charging are as follows:

1. Unlock the vehicle.

2. Press the rear edge of the charging inlet cap located on the left side of the vehicle to open the charging inlet cap.

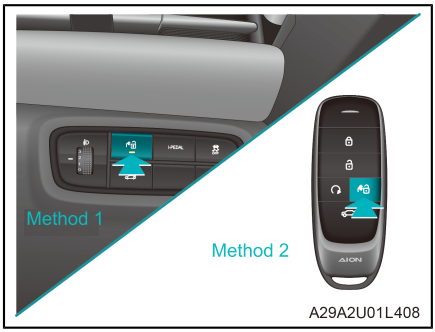


3. Remove the charging inlet dust cover.

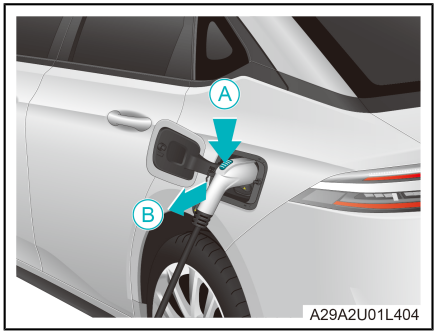


4. While pressing the unlocking button of the charger in the direction of arrow A, insert the charger in the direction of arrow B. After the charger is successfully connected, the indicator lamp on the instrument cluster will come on.

5. Make relevant settings on the charging pile (such as start via APP), and start the charging pile.
6. Check the charging status through the instrument cluster.



7. If the anti-theft function of the charger is not enabled, the charger will be unlocked automatically after charging. If the anti-theft function of the charger is enabled, after charging, you need to press and hold the charger unlocking button in the instrument panel right switch block or the charger unlocking button on the smart key to unlock the charger.



8. While pressing the charger unlocking button in the direction of arrow A, unplug the charger in the direction of arrow B.
9. Close the charging inlet dust cover and the charging inlet cap, and insert the charger back into the charging pile to complete the charging.

WARNING

- During the charging, make sure that the vehicle is properly connected to the power supply, and it is forbidden to unplug the charger.

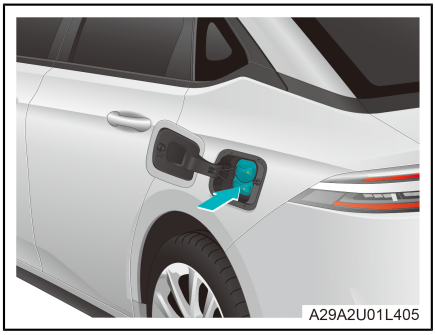
NOTE

- When the vehicle starts to be charged, the charger will be locked automatically.
- When the anti-theft function of the charger is enabled, if the charger is not unplugged for a long time after being unlocked, the charger will be locked automatically again. In this case, to unplug the charger, it needs to be unlocked again.
- If the charger is unlocked during charging, the charging will be ended automatically.
- The charging thermal protection function can be activated on the center console display to maintain the battery temperature, improve the battery range and vehicle performance while driving, and prolong the service life of the traction battery.
- If other AC charging piles on the market are used, the charging thermal protection function may not work properly. It is recommended to use GAC AION's dedicated charging pile or home 220 V power supply to charge the vehicle.
- If you encounter special circumstances and cannot unlock the charger, you can unlock it through the emergency unlocking device of the charger. For details, please refer to the "Emergency treatment - Owner emergency - Emergency unlocking/locking" section.
- The above-mentioned charging method is a general method, which may be slightly different from the charging method indicated on the actual charging pile. Please follow the indications of the charging pile during actual charging.

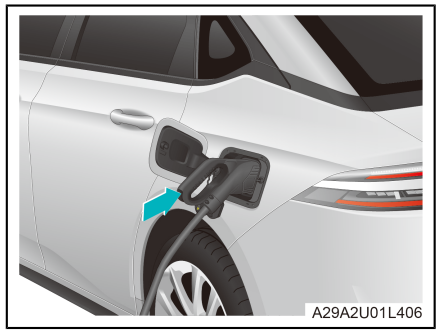
DC charging

1. Unlock the vehicle.

2. Press the rear edge of the charging inlet cap located on the left side of the vehicle to open the charging inlet cap.

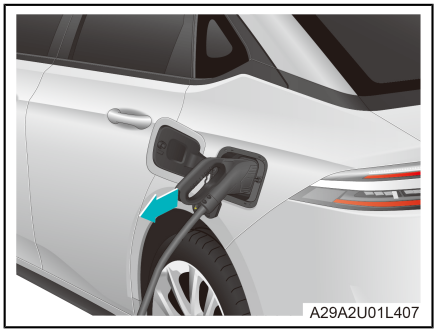


3. Remove the charging inlet dust cover.



4. Insert the charger in the direction of the arrow. After the charger is successfully connected, the connected charger indicator lamp in the instrument cluster will come on.

5. Make relevant settings on the charging pile (such as scanning QR code or swiping a card), and start the charging pile.
6. Check the charging status through the instrument cluster.
7. You can actively stop the charging as desired, or the charging can be stopped automatically when the vehicle is fully charged.



8. Unplug the charger in the direction of the arrow.

9. Close the charging inlet dust cover and the charging inlet cap, and insert the charger back into the charging pile to complete the charging.

WARNING

- During the charging, make sure that the vehicle is properly connected to the power supply, and it is forbidden to unplug the charger.
- After the DC charging, please unplug the charger in time.

NOTE

- The above-mentioned DC charging method of the charging station is a general method, which may be slightly different from the charging method indicated on the actual charging pile. Please follow the indications of the charging pile during actual charging.

External cleaning

Washing the vehicle frequently helps to protect its appearance.

The following conditions are likely to cause peeling of the paint layer or cause corrosion of the body and parts, and the vehicle needs to be cleaned in time:

◇ After driving along the coast.

◇ After driving on saline-alkali roads.

◇ Paintwork contaminated with coal tar or tree sap.

◇ Dead insects, insect droppings or bird droppings fallen on the paintwork.

◇ After driving in areas contaminated with coal ash, oil fumes, mineral dust, iron dust or chemicals.

◇ Liquids such as benzene and gasoline splashed on the paintwork.

◇ Severe dust or mud buildup on the vehicle.

Manual vehicle washing

After driving, it is necessary to wait for the vehicle to cool down sufficiently in a cool place before washing it. Perform the manual vehicle washing in the following steps:

1. Make sure all doors and windows are closed.
2. Use a water pipe to clean the dirt on the vehicle surface, the mud and the salt and alkali on the vehicle bottom, and the recessed parts of the wheels.
3. Dip a sponge in the special detergent and wipe gently to remove the contaminants.

CAUTION

◆ Do not use the same sponge to wipe the whole vehicle, so please wipe the upper and lower parts of the vehicle with different sponges to avoid damage to the paintwork.

4. Clean tires with a special sponge and brush.
5. Thoroughly flush out the foam from the vehicle.
6. Use a special absorbent towel to dry the water marks on the body surface. Do not wipe or press the body surface with force to avoid damage to the paintwork.
7. Use a blower to dry the accumulated water in the gaps of the vehicle, such as door sealing strips, exterior rearview mirrors, charging inlet cap, headlamp gaps, etc.

WARNING

◆ Be careful not to cut your fingers when cleaning the carpet or chassis.

Automatic vehicle washing

Before the washing, you should fold your exterior rearview mirrors, close all doors and windows, and consult with the wash station staff to choose the safest wash procedures for the paintwork. Be sure to unfold the exterior rearview mirrors before driving.

NOTE

◆ Certain types of brushes, unfiltered water, or machine-specific wash procedures in the automatic wash stations may scratch the paintwork and reduce its durability and gloss.

Environmental protection:

◆ The vehicle shall be cleaned at standard wash points to prevent sewage containing oil from being directly discharged into the sewer to pollute the environment.

High-pressure vehicle washing

The water sprayed by a high-pressure cleaner has a certain pressure. To avoid water entering or damaging the vehicle, do not keep the nozzle close to the following parts:

◇ Gaps around the doors.

◇ Window edges.

◇ Radar and camera areas.

◇ Connectors on the chassis.

CAUTION

- When cleaning the vehicle with a high-pressure cleaner, pay special attention to the working pressure and spray distance.
- Do not allow the nozzle to continuously spray the same area.

Cleaning of special parts

◇ Aluminum-alloy hub

- Use a special cleaning agent and a soft brush to clean dirt and dust from the hub.
- Rinse off stains and residual cleaning agent with clean water.
- Dry the hub with a piece of soft dry cloth or let it dry naturally.

CAUTION

- Do not use acidic, alkaline or abrasive detergents.
- Do not use a hard brush.
- Do not use cleaning agents on the wheels when the wheels are hot (for example, after driving or after parking in hot weather).

◇ Lamps

- Use a special cleaning agent to clean the lamps.
- Gently wipe the lamp shade with a piece of soft cloth.

CAUTION

- Wash the lamps carefully to avoid scratching or crushing the lamp shade with force.
- Do not use organic substances or hard brushes to clean the surface of the lamp, otherwise the lamp shade may be damaged.

CAUTION (Cont'd)

- Do not wax the lamp surface.

◇ Bumper

CAUTION

- Do not scrub with abrasive detergents.

Internal cleaning

Cleaning of instrument panel and other interior trims

Wipe the instrument panel gently with a piece of moistened soft cloth during cleaning.

Please use mild neutral cleaners whenever possible, and avoid strong detergents or degreasing soaps.

CAUTION

- Do not wet the interior trims when cleaning them.
- Do not use a blade or other sharp objects to remove dirt from the interior trim surfaces, otherwise it may damage the interior trim surfaces.
- Do not wipe with excessive force, otherwise the interior trims may be damaged.

Cleaning of leather

If the leather trims are not maintained or cleaned for a long time, the leather will become damp, moldy, dull, dry and cracked, which will affect both health and driving mood. Therefore, the leather trims must be carefully cleaned and maintained.

The leather cleaning steps are as follows:

1. Remove dirt and dust with a vacuum cleaner.
2. Use a piece of soft cloth moistened with leather cleaner to wipe off any remaining dirt and dust.
3. After cleaning, dry with a piece of soft dry cloth or let the leather dry naturally.

CAUTION

- Do not use ordinary detergents (such as washing powder, dish detergent, etc.) to clean the leather, otherwise it may damage the leather surface, resulting in corrosion or discoloration of the leather surface.

Cleaning of switches

Use a small and soft brush to remove dust from buttons and switches.

Use a piece of soft cloth dampened with disinfectant to wipe the surfaces of the buttons and switches, and then use a piece of clean soft cloth to wipe off any remaining liquid.

CAUTION

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

Cleaning of windows and rearview mirrors

Use a piece of soft cloth and special glass cleaner to clean the glass surfaces.

Dampen a piece of cloth with warm water and gently wipe the rear windshield in a direction parallel to the heating wires or antenna.

Clean the rearview mirrors with soapy water.

CAUTION

- Do not use glass cleaner to clean the rear windshield, as this may damage its defogger heating wires or antenna.
- Do not use abrasive cleaners to avoid damage to the glass and mirror surfaces.

Cleaning of seat belt

Use a sponge or a piece of soft cloth dampened with mild soapy water or warm water to clean the seat belt. Regularly check whether the seat belt is free of excessive wear or cuts.

CAUTION

- Please wait till the seat belt dries completely before retracting it, otherwise its retractor may be damaged.

Cleaning of carpet

Clean the dust first with a vacuum cleaner, and then scrub the carpet in circular motions with a sponge or brush dampened with a foam cleaner.

NOTE

- Do not use water, let the carpet dry after cleaning, and keep the carpet as dry as possible.

Precautions for internal cleaning

Please read and observe the followings when cleaning the interior of your vehicle.

DANGER

- Do not let the airbag components or wires in the vehicle get wet, otherwise the airbag may fail to deploy or malfunction, resulting in serious injury or even life-threatening danger.
- Do not use polishing wax or polishing cleaner to clean the instrument panel, otherwise the instrument panel may reflect light on the windshield, obstruct the driver's visibility, and cause serious injury or even life-threatening danger.

CAUTION

- Do not spill liquids such as cleaners into the interior of the vehicle, otherwise it may cause the electrical components to get wet and malfunction. If any liquid is accidentally spilled, wipe it up immediately.
- Do not use strong acid or alkali cleaners.
- If you need to use a cleaning agent, please read the instructions of the cleaning agent carefully and follow them strictly.

External maintenance

The external maintenance shall be based on the external cleaning, and shall be carried out after the external cleaning.

Waxing

In order to maintain the gloss of the vehicle, it is recommended to polish and wax the body. The body waxing is required in the following cases:

◇ When the body surface does not repel water well.

◇ When the body surface is exposed to water in a large area, and the water does not form droplets and adheres to the surface.

It is recommended to wax the body on a regular basis and contact the GAC AION sales store regularly (once a quarter) to maintain the vehicle, so as to restore the gloss of the body paintwork in time.

Cleaning of residual wax

After the body is waxed, use a special cleaner and a piece of clean cloth to remove the wax remaining on the glass so as not to affect the visibility.

Paintwork damage

If there is no obvious damage to the paintwork, please do not carry out secondary painting to prevent the paint color from being incompatible or not well matched.

For small areas of paintwork damage (such as scratches or stone impact marks), please cover them with paint as soon as possible before rust occurs.

If the damaged paintwork has been rusted, the rust must be completely removed, and the anti-corrosion primer and varnish shall be applied to the rusted position. It is recommended to contact the GAC AION sales store for treatment.

Maintenance of wheels

Regular maintenance of the wheels can keep the surface finish of the wheels and prolong their service life.

It is recommended to use high-quality hard wax on aluminum-alloy wheels every three months, or regularly clean steel wheels with a special sponge.

WARNING

- Do not treat the wheel surfaces with vehicle polish or other abrasive cleaners.
- The wheels with damaged protective coating on surface must be repaired in time.

Maintenance of external plastic parts

External plastic parts are generally washed with clean water, soft cloth and soft brushes. If they cannot be cleaned, please use the special plastics cleaner.

CAUTION

- Do not use abrasive cleaners to clean plastic parts, as this may damage the plastic parts.

Internal maintenance

The internal maintenance shall be based on the internal cleaning, and shall be carried out after the internal cleaning.

Maintenance of instrument panel

After the instrument panel is cleaned, in order to slow down the aging of plastic parts such as the instrument panel, a layer of protective wax can be applied to the instrument panel to prolong the service life of the plastic material.

Maintenance of leather

Leather trims can be sprayed with a special leather wax and polished with a piece of dry cloth.

Maintenance of window glass

After the window glass is cleaned, glass coating products can be sprayed on it to prevent fogging of the windows in rain and snow or in winter.

Maintenance of sealing strips

Regular maintenance of the rubber sealing strips of the doors, windows and other parts of the vehicle is intended to maintain their flexibility and prolong their service life. Such maintenance can also improve the tightness, make the door easy to open, reduce the impact sound of closing the door, and prevent freezing in winter. The maintenance steps of the sealing strips are as follows:

1. Use a piece of soft cloth to remove dust and dirt from the surfaces of the sealing strips.
2. Apply special protective agent to rubber sealing strips regularly.

Tire maintenance

Defective tires will increase the risk of driving, and you should get into the habit of checking your tires before driving.

Tire pressure

According to the actual vehicle configuration and needs, you can choose the tire pressure inspection method that suits you from the following methods:

◇ You can check whether the current wheel tire pressure is normal through the instrument.

◇ Contact the GAC AION sales store to check the tire pressure.

For the vehicles equipped with spare tires, please regularly check the spare tire pressure. (If equipped)

If you find that the tire valve cap is missing, install a new one in time.

DANGER

◆ Insufficient tire pressure will exacerbate tire deflection, and tires are extremely prone to overheating, which may lead to tread separation and tire burst. Too high or low tire pressure can accelerate tire wear, reduce vehicle maneuvering stability, and easily cause traffic accidents, injuries and even death.

WARNING

◆ Take care to maintain proper tire pressure to prevent accidents.

NOTE

- For inspection of tire pressure, the tire must be in a cold state. When the temperature increases, the tire pressure can be slightly higher than the specified value, and it is not necessary to reduce the tire pressure.
- When checking the tire pressure or tire inflation, balance the weight of occupants and luggage, avoid slopes and adjust the tire pressure according to vehicle load.
- After checking the tire pressure or tire inflation, be sure to put the tire valve cap back on the valve core.

Hidden damage

Damage to tires and rims often occurs in a hidden way, and abnormal vibration or deviation of the vehicle during driving may indicate tire damage. If you suspect that the tires are damaged, be sure to reduce the speed immediately and stop to check the tires for damage. If the damage is not visible from the outside, it is recommended to contact the GAC AION sales store to check the tires as soon as possible.

Precautions for wheel failure

When driving over curbs or similar obstacles, keep a slow speed in the vertical direction of the obstacles as much as possible.

Regularly check the damage of tires (such as splitting, abrasion, shedding, deformation or bulging).

Regularly remove debris embedded in the grooves of the tire pattern.

New tires and wheels

Make sure that the dimensions, load range, rated speed and structure type of new tire are the same as those of original one.

Replace at least two tires on the same axle at the same time, rather than only one tire individually.

Do not use tires of different dimensions or types, and do not mix summer tires, all season tires and winter tires in use.

Once wheels are installed, check whether the tightening torque of the wheel bolts meets the requirements.

WARNING

- Never use tires that do not meet the specifications of this vehicle and have not passed the national product certification, otherwise it may cause accidents.

Winter and summer tires

◇ Winter tires

- Winter tires have good grip performance on icy roads and in low-temperature environments, and have excellent braking ability, which can improve driving safety in winter.
- It is recommended to use winter tires while driving in icy or snowy days in winter or when the temperature is below 7°C.
- Use only radial winter tires of same dimensions, load range and rated speed as original ones and approved for this vehicle.
- The tread depth of winter tires shall not be less than 4 mm.
- After installation of tires, check the tire inflation pressure.

◇ Summer tires

- Summer is a rainy season. The tire tread depth directly affects the driving safety in rainy days. The tread depth of summer tires shall not be less than 3 mm.

◇ Winter and summer tires are designed according to their respective typical lane conditions under the corresponding seasonal conditions. It is recommended to use winter tires in winter and summer tires in summer, otherwise the adhesion and braking ability will be poor.

- If summer tires are used in severe cold conditions, cracks may appear on the tires, resulting in tire damage, increased tire noise, and loss of balance.
- Winter tires may lead to decreased traction force of the vehicle on dry roads, increased road noise and shortened service life of tread. Please pay attention to the performance change of the vehicle in terms of maneuvering and braking after the winter tires are used.
- The maximum speed for winter tires is relatively low. Do not exceed the allowable maximum speed for the tires during driving.
- When driving in atmospheric temperature rising above 7°C, in order to ensure driving safety and performance, please replace the winter tires with summer tires in time.

Service life of tires

Service life of tires depends on tire pressure, driving style and tire assembly conditions.

If the front tires are worn more serious than the rear tires, it is recommended to perform tire rotation for the front and rear wheels, so as to make the service life of all tires about the same. (For tire rotation, please refer to the “Emergency treatment - Owner emergency - Tire rotation” section)

Wheel balance

The wheels of the new vehicle have been dynamically balanced, but during the driving, various influences may cause the wheels to appear unbalanced; when the steering wheel shakes during driving, the wheels may be unbalanced, and the wheels need to be dynamically balanced.

The unbalanced wheels may cause excessive wear on the steering system, wheel suspension mechanism and tires.

The dynamic balance must be performed after installation of new tires or repair of tires.

Wheel alignment

Wheel misalignment will cause uneven and excessive wear of the tires, affecting driving safety. If uneven and excessive wear of the tires is found, please go to the GAC AION sales store to check the wheel alignment as soon as possible. Four-wheel alignment is required in the following cases:

◇ There are defects in driving performance, such as deviation.

◇ Chassis is damaged in accidents and related parts are replaced.

◇ Suspension parts are removed or replaced.

◇ Uneven and excessive tire wear occurs.

Tires marked with rolling direction

Some tires are marked with arrows or characters indicating the rolling direction on the sides, so these tires must be installed in the marked rolling direction. If the tire rolling direction is reversed, there may be dangers such as tire jitter, increased noise, accelerated wear, and significantly weakened grip during driving.

Instructions for storing tires

If there is no rolling direction mark on the side of the tire, before removing the tire, make a mark on the tire to indicate the rolling direction, and refit the tire according to the mark to ensure the rotation direction and the dynamic balance of the wheel are unchanged.

The removed wheels or tires shall be stored in a dry place, preferably in a dark place.

The tires mounted on the rims shall not be stored upright, and the tires not mounted on the rims shall be stored upright (the tread surfaces shall touch the ground).

Precautions for use of tires

Please read and observe the followings when using and maintaining your tires.

WARNING

- Within the first 500 km, the road adhesion of new tires is unlikely to reach the best condition. Therefore, the vehicle shall be driven carefully at a moderate speed to prevent accidents.
- If tires burst or leak when the vehicle is running, it is very easy to cause serious traffic accidents.
- Never use damaged tires and wheels, or use tires of which the treads have been worn to the wear indicators.
- Do not use old tires that have been used over six years.
- Do not use old wheels and tires of unknown origin under any circumstances, otherwise, the driver may lose control of the vehicle and cause traffic accidents when driving.
- Do not use recycled tires. The carcass of these tires may degrade as the service time passes, and the durability may also be restrained, impairing the driving safety.

CAUTION

- Be careful not to expose the tires to chemicals, oil, grease, fuel and brake fluid.
- If it is found that the vehicle is abnormally vibrating or deviating, stop the vehicle immediately and check whether the tires are damaged.

CAUTION (Cont'd)

- Inadequate road adhesion of tires not subject to running-in period or excessively worn can directly affect the braking effect. If uneven and excessive wear of the tires is found, please go to the GAC AION sales store for inspection as soon as possible.

Corrosion protection measures

The vehicle has effective corrosion protection. However, in order to reduce the risk of corrosion, please observe the followings:

◇ Perform regular vehicle washes to keep the body clean and prevent corrosion.

- If you drive on salty roads in winter, or live by the sea, please have your vehicle be carefully cleaned at least once a month to reduce corrosion.
- Please carefully clean the chassis on a regular basis to remove mud and dirt adhering to the chassis and wheelhouses.
- Clean the chassis in time after driving on icy and snowy roads to prevent the residual deicing salt from corroding the vehicle.

◇ Check the paint and trims of the body.

- If the paint layer is found to be chipped or cracked, it is recommended to contact the GAC AION sales store for repairs to prevent corrosion.

◇ Keep the interior of the compartments dry.

- Moisture and dust tend to accumulate under the carpet, so the underside of the carpet shall be checked frequently to ensure it is dry and clean to prevent corrosion.
- When chemicals, detergents, fertilizers, salts and others are transported, they must be stored in appropriate containers, and if spills or leaks are found, they must be cleaned immediately and the compartment must be kept dry.

◇ Use mudguards.

- When the vehicle runs in saline-alkali areas or on gravel roads, the mudguards can be used to prevent the adhesion of saline-alkali substances and the impact of gravels on the vehicle components.

◇ Park the vehicle in a well-ventilated garage or a roofed area, and do not park it in a damp and airtight environment.

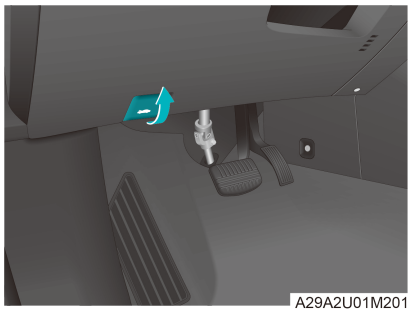
Long-term storage of vehicle

A good parking environment helps prevent deterioration and makes it easy to re-operate the vehicle. If possible, park the vehicle indoors. If the vehicle needs to be stored for a long time, please make the following preparations:

- ◇ Before parking, make sure that the SOC of the vehicle is 50%~70%.
- ◇ Carry out the maintenance every three months, and before parking, charge the traction battery by slow charge and then discharge it to 50%~70%.
- ◇ Keep the vehicle parking environment as dry and ventilated as possible, away from heat sources.
- ◇ Thoroughly wash and dry the outer surface of the body.
- ◇ Clean the interior of the vehicle to make sure carpet, interior trims, etc. are completely dry.
- ◇ Open the windows on one side slightly (in the case of indoor storage).
- ◇ Disconnect the negative terminal of the low voltage battery.
- ◇ Pad the front wiper blades with a towel or a piece of cloth so that they do not come into contact with the windshield.
- ◇ Cover the body with a car cover made of a “porous material” such as cotton. Non-porous materials such as plastic sheeting may trap moisture and damage the body paintwork.
- ◇ If possible, start the vehicle for a short period on a regular basis (preferably once a month).
- ◇ If the vehicle has been parked for more than three months, please confirm whether the instrument cluster has any alarm before using it again, and if any, contact the GAC AION sales store for inspection and repair.

Opening and closing hood

Opening hood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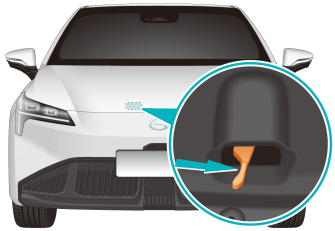
1. Pull up the hood release lever in the cab, and then the hood "clicks" and pops up slightly.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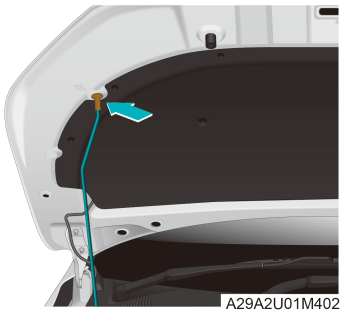
2. Stand in front of the vehicle (facing the front end of the vehicle), put your hand into the area to turn the secondary release handle as arrowed in the figure, and then lift the hood upward at the same time.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3. Take out the stay bar and insert it into the position as shown in the figure to fix the hood.

Closing hood

Hold the hood by hand, and take away the stay bar to fix it. Lower the hood to a height of about 30 cm above the front grille, and release both hands to let the hood fall freely so as to be locked.

WARNING

- After opening the hood, make sure that the stay bar firmly supports the hood to prevent the hood from being closed suddenly.
- Before driving, ensure that the hood is closed and locked, otherwise, it may suddenly open during driving, resulting in accidents.

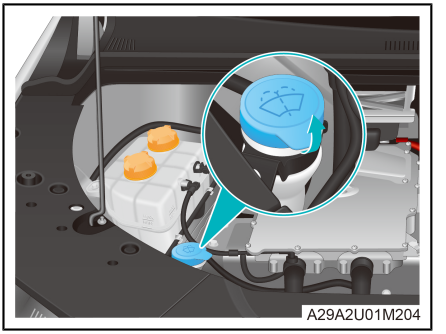
CAUTION

- Before closing the hood, be sure to fix the stay bar with the retaining clips. If the hood is closed and the stay bar is not properly returned to the original position, the hood may be deformed.

NOTE

- Before closing the hood, make sure that no tools, waste cloth, etc. are left in the motor compartment.
- The motor compartment of some models is different as shown in the figure. Please refer to the actual vehicle.

Adding windshield washer fluid



Open the hood, open the washer fluid reservoir cap as arrowed, and check the washer fluid in the reservoir. If the washer fluid level is too low, please add the washer fluid or a mixture of washer fluid and water.

WARNING

- Do not add any additives to the windshield washer fluid, otherwise oil stains or other debris will be left on the windshield during cleaning, which will affect the driver's visibility.
- If the windshield washer fluid spills on your hands or eyes, rinse immediately with clean water.

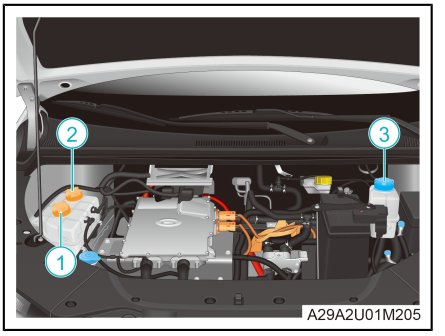
CAUTION

- Do not use other liquids in place of washer fluid, as this may cause streaks on the vehicle paintwork.
- Do not mix windshield washer fluid and cleaning agent, as this may block the windshield washer nozzle.

NOTE

- It is difficult to wash the windshield throughly with pure water.
- The motor compartment of some models is different as shown in the figure. Please refer to the actual vehicle.

Checking coolant



Open the hood, and check the coolant level in the expansion tanks ①, ② and ③. If it is below the “MIN” mark, please fill the expansion tanks with coolant to the level between the “MIN” and “MAX” marks in time.

WARNING

- Do not remove the filler cap when the vehicle is hot to avoid burns.
- The coolant must be stored in marked containers out of the reach of children.
- If the coolant spills on your hands or eyes, rinse immediately with clean water.

CAUTION

- If the coolant is spilled during refilling, wipe it off with a rag to prevent damage to the parts or paintwork.
- It is recommended to go to the GAC AION sales store to add or change the coolant.

CAUTION (Cont'd)

- Use the same coolant as the original one, and do not mix different types of coolant.

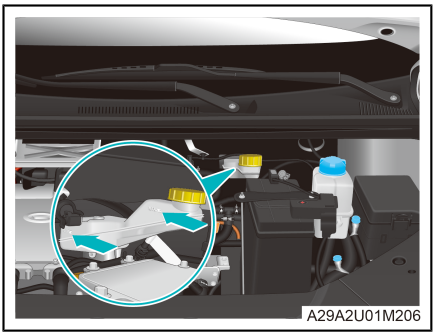
NOTE

- The status of the expansion tank and the number of access panels depend on the model, and the figure is for reference only.
- The motor compartment of some models is different as shown in the figure. Please refer to the actual vehicle.

Environmental protection:

- Always dispose of the coolant in compliance with environmental laws and regulations, and do not dump it directly into garbage heaps, sewers, or on the ground.

Checking brake fluid



Open the hood, and check the brake fluid level in the brake fluid reservoir. If it is below the "MIN" mark, please fill the brake fluid reservoir with brake fluid to the level between the "MIN" and "MAX" marks in time.

WARNING

- The brake fluid must be stored in marked containers out of the reach of children.
- If the brake fluid spills on your hands or eyes, rinse immediately with clean water. If you still feel unwell, seek medical attention.

CAUTION

- Always dispose of the coolant in compliance with environmental laws and regulations, and do not dump it directly into garbage heaps, sewers, or on the ground.
- It is recommended to go to the GAC AION sales store to add or change the brake fluid.
- Use the same brake fluid as the original one, and do not mix different types of brake fluid.

NOTE

- The motor compartment of some models is different as shown in the figure. Please refer to the actual vehicle.

Environmental protection:

- Always dispose of the brake fluid in compliance with environmental laws and regulations, and do not dump it directly into garbage heaps, sewers, or on the ground.

A/C filter

The A/C filter is located behind the glove box. Regular cleaning of the A/C filter can keep the air in the compartments fresh.

CAUTION

- To clean the A/C filter, you need to remove the glove box first. In order to avoid damage to the vehicle by yourself, it is recommended to contact the GAC AION sales store for operation.

NOTE

- Clean the A/C filter element according to the “Maintenance instructions - Regular maintenance” section in the Warranty and Maintenance Manual. In dusty or heavy traffic areas, the cleaning interval shall be shortened accordingly.
- Before using the A/C system, make sure that the A/C filter element is properly installed.

Checking and replacing fuse

All circuits on the vehicle are fused to prevent damage to electrical consumers due to short circuits or overloading. These fuses are installed in two fuse boxes, that is, the motor compartment fuse box and the instrument panel fuse box.

If any electrical component fails to work, a fuse may be blown. If this happens, check and replace the fuse if necessary.

Check and replace the fuse in the following steps:

1. Turn off the vehicle power switch.
2. Open the fuse box cover.
   - Motor compartment fuse box

     The motor compartment fuse box is located at the left rear of the motor compartment. You can open the hood, and press the buckles on both sides of the fuse box while pulling up the fuse box cover to check the motor compartment fuse.
   - Instrument panel fuse box

     The instrument panel fuse becomes accessible after the driver side lower guard plate assembly is removed.
3. Remove the fuse from the fuse box.
4. Check the wire inside the fuse and replace it if it is blown.
5. If the fuse is blown, replace it with a spare fuse of the same amperage rating (indicated on the motor compartment fuse box cover).
6. After replacing the fuse, check whether the electrical components restore normal work. If the operation returns to normal, install the motor compartment fuse box cover or the driver side lower guard plate assembly.

CAUTION

- Never use a fuse higher than the amperage rating, or substitute any other item for the fuse, as this may result in the vehicle damage, fire or personal injury.
- Never substitute wires for fuses, even temporarily.
- Never modify the fuse or fuse box.
- Keep the inside of the fuse box clean and protect it from moisture.
- If the correct fuse is installed but the fuse is still blown within a short time or the electrical components do not restore normal work, it indicates that the vehicle may have an electrical system failure, and it is recommended to contact the GAC AION sales store for repair.

Low voltage battery maintenance

Checking low voltage battery

Frequently check the battery surface and the positive and negative terminals, ensuring that the positive and negative terminals of the battery are not loose or corroded.

Check the appearance of the battery for cracks, swelling, etc. If there is the above symptom, it is recommended to contact GAC AION sales store for repair as soon as possible.

For more inspection and maintenance items, please refer to the “Maintenance instructions - Regular maintenance” section in the Warranty and Maintenance Manual.

Replacing low voltage battery

Always use the battery of the same type and specification to replace the battery. It is recommended to contact the GAC AION sales store to remove, replace or install the battery.

Environmental protection:

- The recycling of the battery must be carried out by a qualified unit to avoid pollution to the environment and damage to the operator.

Vehicle storage

Due to natural discharge and the wear-out effect of certain electrical consumers, the power stored in the battery is gradually depleted even when the vehicle is not in use. If the vehicle is not in use for a long time, the battery power may be exhausted and the vehicle may fail to be started. Therefore, the negative terminal of the battery should be disconnected, and the battery power should be checked regularly. If necessary, start the vehicle to charge the battery.

WARNING

- When removing the battery terminals, be sure to remove the negative terminal first. If the positive terminal is removed and it touches any metal in the surrounding area, it may spark and cause a fire, and possibly an electric shock, resulting in serious injury or even death.
- Before reconnecting the battery, turn off all electrical consumers in the vehicle. Connect the positive terminal first and then the negative terminal. Never install the terminals in the wrong order, as there will be a risk of fire.
- The battery shall be kept away from heat sources and open flames, and ventilation shall be maintained during charging and use, otherwise it may cause fire or personal injury.
- Always check whether the battery terminal clamps are firm and in good contact to avoid sparks and battery explosions.
- The hydrogen gas generated when the battery is charged is flammable and explosive, so when using a charger to charge the battery, be sure to remove the battery.
- Always wear safety goggles when working on the battery and be careful not to let any battery electrolyte come into contact with your skin, clothing or body.
- If the battery electrolyte comes into contact with your skin or eyes, rinse immediately with water and seek medical attention. The contact area shall always be covered with a damp sponge or a piece of damp cloth until you see a doctor.
- Always wash your hands after working on the battery bracket, terminals, and other battery-related parts.
- Do not lean over the battery.
- Keep children away from the battery.

CAUTION

- Avoid battery overcharging or long-term power loss.
- Avoid long-term high-current discharge of the battery.
- The battery shall be firmly installed on the vehicle to avoid vibration.
- The oxides and sulfates produced by the battery terminal clamps must be cleaned up, and Vaseline shall be applied to avoid re-corrosion.
- When the vehicle runs in a cold region, do not discharge the battery completely to avoid freezing of the battery electrolyte.

NOTE

- The automatic battery charging function can be activated, provided that the vehicle is stationary, the anti-theft system of vehicle is activated, all the doors are locked, etc.
- Try to avoid using electrical consumers for a long time when the vehicle is not started, so as not to cause the battery power loss.

Maintenance of traction battery

Precautions for use and maintenance of traction battery

DANGER

- It is strictly forbidden to remove, disassemble or modify the traction battery, or use the traction battery for other purposes.
- The traction battery shall be placed out of the reach of children.
- The traction battery shall be kept away from fire sources to avoid fires or explosion.
- It is forbidden to spray, trample, hit or destroy the traction battery to avoid leakage, fires or explosion of corrosive chemicals.
- It is strictly forbidden to touch the positive and negative poles of the traction battery case with both hands at any time.
- It is strictly forbidden to perform operations such as squeezing, piercing or burning that damage the battery system for the traction battery.
- If the traction battery suffers severe mechanical damage, resulting in the exposure of internal high-voltage components, there is a risk of violent combustion and electric shock, which may cause serious casualties and environmental pollution.
- The traction battery damage or electrolyte leakage may cause a fire. If it happens, it is recommended to contact the GAC AION sales store immediately. Do not touch the leaked electrolyte with hands. If the skin or eyes come into contact with the electrolyte accidentally, rinse the skin or eyes immediately with plenty of water, and seek medical attention immediately.
- Since the traction battery pack is a high-voltage component, it is strictly prohibited to open or repair the traction battery pack by non-professional personnel without authorization.

CAUTION

- The traction battery is located at the bottom of the vehicle. During driving, take care not to have the traction battery be impacted or flooded.
- The vehicle not used for a long period of time shall be subjected to scheduled maintenance; otherwise, the performance degradation of the traction battery will occur.
- In order to give full play to the performance of the traction battery, try to avoid full charging and full discharging.
- The operating environment of the vehicle shall be dry, free of corrosive, explosive or destructive insulation gases or conductive dust, and away from heat sources.
- Avoid frequently using the high-power DC charging method to charge the vehicle, because it will affect the life of the traction battery.

NOTE

- The vehicle uses the traction battery to store electric energy and can be charged repeatedly. Ensure that the traction battery is fully charged before driving. During driving, the traction battery is discharged gradually. When the traction battery is low, it must be charged; otherwise, the vehicle cannot be driven.
- The time required to charge the traction battery is affected by the charging power, battery SOC, battery temperature, vehicle service time, ambient temperature and other conditions.

NOTE (Cont'd)

- For a new vehicle, when the traction battery is in the normal state, due to driving styles (such as frequent acceleration and deceleration), road conditions (such as long-time continuous climbing) and temperature (such as low temperature), the range of this vehicle will be appropriately reduced, which is normal.
- In summer, park the vehicle in a cool environment and try to avoid direct sunlight.
- When the chassis area of the vehicle is bumped, it is recommended to contact the GAC AION sales store for inspection and maintenance.

Precautions for LFP traction battery

If your vehicle is equipped with a LFP traction battery, please read and observe the followings.

NOTE

- To keep the vehicle traction battery in the best condition, please fully charge the traction battery at least once a week, and fully charge it after deep discharge once every 3~6 months. (Deeply discharge the battery to make its SOC below 10%)
- When the vehicle detects that you have not performed full charge operation for a long time, it may automatically perform a self-test, and the self-test process will consume some power.

Recycling of traction battery

The traction battery is a safety component. For maintenance, repair, removal, installation, reuse or disposal of the traction battery, it is recommended to consult the GAC AION sales store.

When the traction battery needs to be replaced or scrapped, it is recommended to contact the GAC AION sales store for recycling and disposal. The sales store will record the vehicle and owner traceability information through the traceability system.

DANGER

- If the traction battery is not handled correctly, electric shock and serious injury or even death may be caused. The removal, disassembly and discarding of the traction battery without authorization will cause pollution to the environment, and the vehicle owner shall bear the corresponding responsibility for the resulting environmental pollution or safety accidents.

WARNING

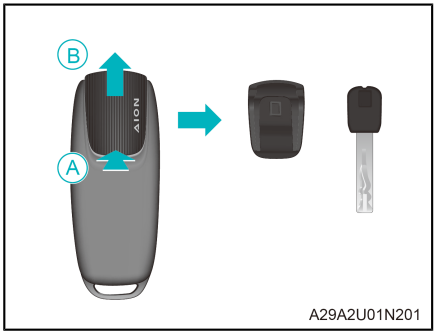
- When the vehicle must be scrapped, it is recommended to contact the GAC AION sales store for recycling and disposal. If you come into contact with high-voltage parts, cables and their connectors and other high-voltage components when removing the traction battery without authorization during vehicle scrapping, there may be a serious risk of electric shock.

Emergency unlocking/ locking

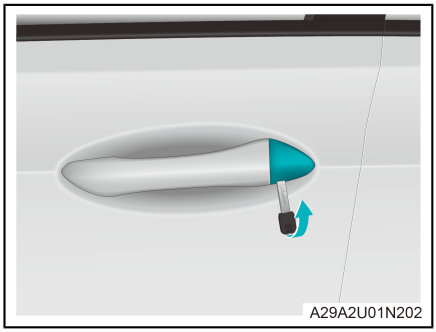
The emergency unlocking/locking device of this vehicle include emergency unlocking/ locking by mechanical key, emergency locking of passenger's door, automatic unlocking program in case of collision, emergency unlocking device of trunk lid, and emergency unlocking device of charger.

Emergency unlocking/locking by mechanical key

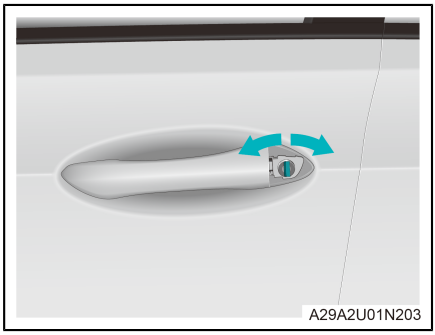
The mechanical key is inside the smart key. When the door cannot be unlocked/ locked by the smart key, the mechanical key can be used to perform the operation. The specific steps are as follows:



1. Press the mechanical key in the direction of arrow A shown in the figure, and push out the mechanical key cover in the direction of arrow B to take out the mechanical key.



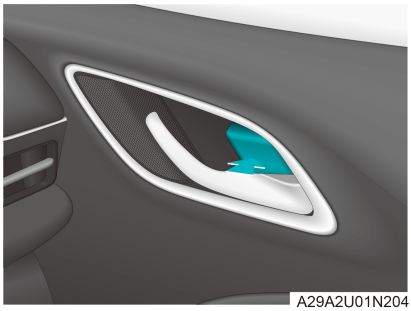
2. Insert the mechanical key into the notch on the trim cover of mechanical lock of left front door, gently pry the trim cover outwards as arrowed, pull the door outside handle and remove the trim cover (if equipped).



3. Insert the mechanical key into the keyhole, and turn the mechanical key to unlock or lock the door.

Emergency locking of front passenger's door

1. Open the front passenger's door to be locked.


A29A2U01N204

2. Pull the door inside handle in the direction shown in the figure to close the door.

NOTE

- All doors support emergency locking.
- After the vehicle is locked with the smart key, the anti-theft alarm will be triggered if you use the mechanical key to unlock the door. In this case, enter the vehicle, place the smart key at the mark, depress the brake pedal and start the vehicle to release the anti-theft alarm.

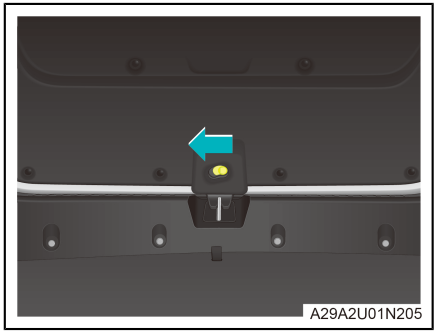
Collision-sensitive unlocking

When a collision is detected, all doors will be unlocked automatically and the locking function of the vehicle will be disabled temporarily.

Trunk lid emergency unlocking

When you cannot open the doors and trunk lid normally inside the vehicle in an emergency, the trunk lid can be unlocked with the emergency unlocking device. The specific steps are as follows:

1. Fold the rear seat back to enter the trunk area.

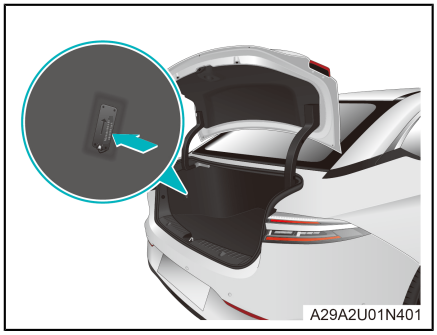

A29A2U01N205

2. Move the unlocking switch in the direction of arrow as shown in the figure to unlock the trunk lid.

Emergency unlocking of charger

When the charger cannot be unlocked with the smart key or the in-vehicle button, it can be unlocked with the emergency unlocking device of charger. The specific steps are as follows:

1. Open the trunk lid.


A29A2U01N401

2. Pull the charger manual unlocking cable in the trunk left guard plate to unlock the charger.

Window initialization

When the window express-up & down function fails, initialization of power window is required.

Window initialization operation

After starting the vehicle, pull the window button (of the window needing initialization) until the window is completely closed, and then hold the button pulled for 2~3 s to complete the initialization.

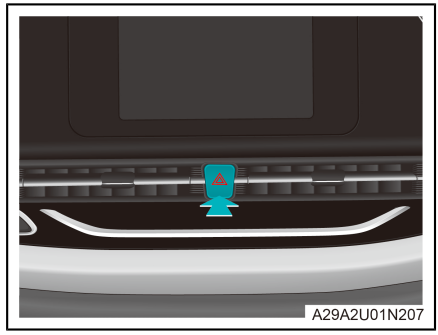
WARNING

- During the initialization, please do not use any part of your body or other objects to hinder the closing of the window; otherwise, it may lead to initialization failure or window damage, or even personal injuries.

NOTE

- If the button is released during the window movement, reinitialize the window.
- If the express-up & down function of power window are still not recovered after the initialization, contact the GAC AION sales store for repair.

Turning on hazard warning lamp



If the vehicle is faulty or involved in a traffic accident, please turn on the hazard warning lamp to alert other vehicles.

The hazard warning lamp can be turned on or off by pressing the switch.

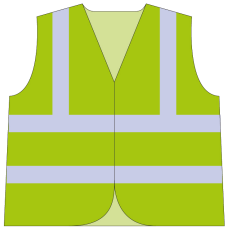
CAUTION

- When the vehicle is powered off, do not turn on the hazard warning lamp unless necessary, so as to prevent the battery from running out of power.

NOTE

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

Wearing reflective vest



A29A2U01N208

The vehicle is equipped with a reflective vest, which you can put in the cabin for use when needed.

WARNING

- If you need to get out of your vehicle to check or handle vehicle faults during driving, regardless of the lighting conditions, be sure to wear a reflective vest to attract the attention of passersby or other drivers.

NOTE

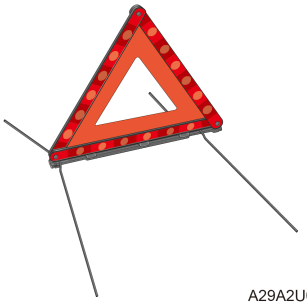
- If the reflective vest is seriously damaged or dirty, it will affect the reflection effect. It is recommended to replace the reflective vest with a new one in time.

Setting up warning triangle

Location of warning triangle

The vehicle is equipped with a warning triangle, which is placed under the trunk carpet and can be used after taking it out and unfolding it.

Placement distance of warning triangle



A29A2U01N209

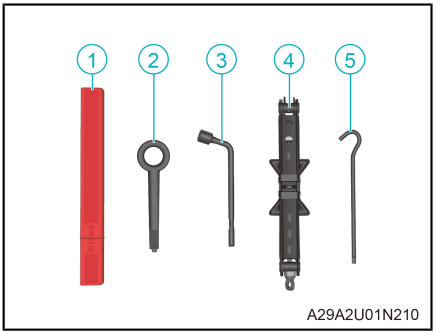
Item	Ordinary road	Highway
Placement distance L	Day: L ≥ 50 m Night: L ≥ 80 m Special circumstances (rain or bend, etc.): L ≥ 150 m	L ≥ 150 m

NOTE

- The value provided here is for reference only.
- Please use the warning triangle correctly according to the corresponding national laws and regulations.

Introduction to driver's tools

The driver's tools are located under the trunk carpet.



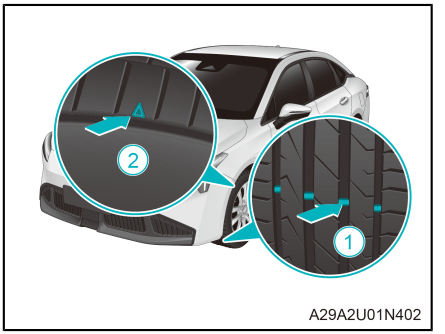
① Warning triangle
② Towing hook
③ Wheel bolt wrench
④ Jack
⑤ Special wrench for jack

NOTE

- In order to deal with various emergencies, you shall be familiar with the locations and usage of tools such as towing hooks.
- After being used, the tools shall be cleaned in time and placed back to their original positions.
- The driver's tools may vary depending on the model configuration. Please refer to the actual vehicle for details.

Tire rotation

Inspecting the wear pattern of tire



There is a raised "tread wear indicator" ① on the front of the tire. If the tread pattern wears to the indicator surface, the tire can no longer be used safely and must be replaced immediately.

The position of the tread wear indicator is indicated by the pattern ② on the sidewall of each tire.

Tire rotation

Regular tire rotation is recommended to avoid uneven tire wear and extend the service life of tires.

After tire rotation, adjust the tire pressure to the standard value.

Tire burst

If a tire burst occurs during driving, operate as follows:

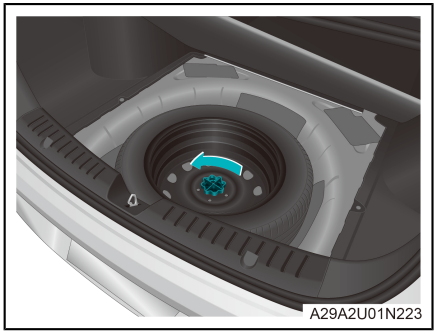
1. Hold the steering wheel with both hands, and do not allow it to rotate freely.
2. Decelerate slowly by depressing the brake pedal gently at the same time.
3. Ensure that the vehicle runs straight ahead in the original direction.
4. After the vehicle speed drops, drive the vehicle slowly to park it in a safe area.

5. Replace the tire or make a rescue call as needed.

WARNING

- Do not depress the brake pedal sharply; otherwise, the vehicle may lose balance and thus pull to one side or turn over.
- Turn on the hazard warning lamp timely, and place a warning triangle behind the vehicle as specified to avoid secondary accidents.

Spare tire*



The spare tire is located in the trunk. The spare tire shall not be removed before the trunk carpet and driver's tools are removed.

Unscrew the spare tire fixing device in the direction of the arrow shown in the figure, and take out the spare tire.

CAUTION

- Check the pressure of the spare tire regularly to ensure that it is at the standard value.
- Check the spare tire regularly, and do not use a damaged spare tire.
- Check whether the tire pressure is at the standard value after the spare tire is installed.
- Do not place the oil and spare tire together to avoid corrosion of the spare tire due to oil leakage, which will reduce the service life of the spare tire.

CAUTION (Cont'd)

- It is recommended to replace a spare tire that has been used for more than six years.

NOTE

- Spare tires can only be used temporarily for emergency. In this case, the maximum driving speed shall not exceed 80 km/h, and sharp acceleration and emergency braking shall be avoided.
- The spare tire provided with this vehicle is full-sized.

Replacing tires

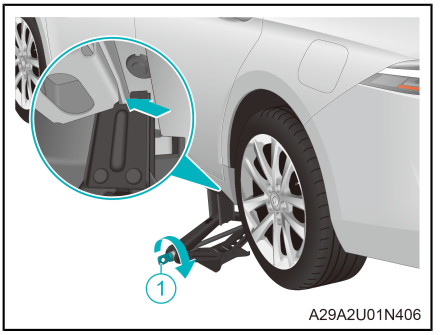
Preparations:

- ◇ Park the vehicle in a hard, flat and safe place.
- ◇ Shift to "P" gear to enable the parking brake.
- ◇ Turn on the hazard warning lamp.
- ◇ Make sure that all occupants get off the vehicle and wait in a safe place.
- ◇ Switch off the vehicle power supply.
- ◇ Place a warning triangle behind the vehicle as specified according to the actual situation.
- ◇ Place a stopper in front of tire in the diagonal direction of the flat tire to prevent the vehicle from sliding.
- ◇ Take out the driver's tools such as the jack and wheel bolt wrench.
- ◇ Take out the spare tire (if equipped).

Remove a damaged tire in the following steps:

A29A2U01N405

1. Turn the wheel bolts counterclockwise with the wheel bolt wrench, to loosen them by 1~2 turns.



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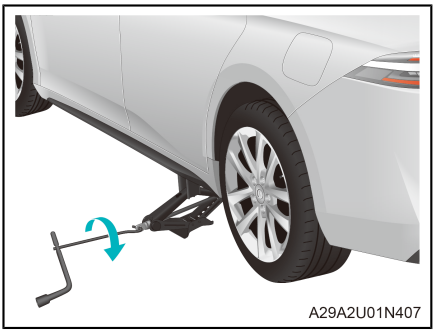
2. Turn the jack part ① clockwise until the jack is stuck at the flange of thickened sheet metal at the bottom of the vehicle.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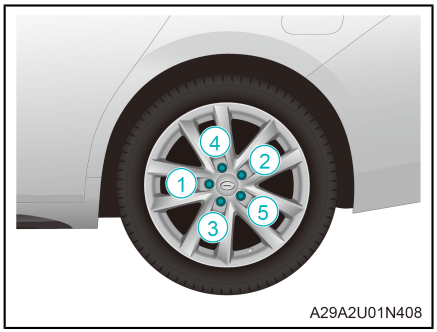
3. Insert the special wrench for jack into the jack, turn the special wrench for jack clockwise with the wheel bolt wrench, and slowly raise the jack to lift the tire off the ground slightly.
4. Remove the wheel bolts, and take off the damaged wheel.

Install the spare tire (if equipped) in the following steps:

1. Before installing the spare tire, wipe off all corrosives from the mounting surface with a shop towel.
2. Place the spare tire vertically in the installation position, align the bolts with the bolt mounting holes, and try to tighten the wheel bolts by hand, and then, slightly pre-tighten the wheel bolts with the wheel bolt wrench.
3. Lower the vehicle.



4. Tighten the wheel bolts to the specified torque in the order shown in the figure.
5. Take out the jack, place the replaced tire and all the driver's tools back to the trunk and fix them firmly.

After tire replacement, check the followings:

◇ Check the tire pressure after the replacement, and adjust the tire pressure to the standard value. If the tire pressure is lower than the standard value, drive the vehicle slowly to the nearest GAC AION sales store for inflation.

◇ Make sure that all the driver's tools have been properly placed.

WARNING

- The areas around the hub and brake will be very hot after driving. In this case, do not touch the area around the hub or brake immediately; otherwise, you may be scalded.
- Do not install wheel trims that have been severely damaged; otherwise, they may detach from the wheel during driving, causing a traffic accident.
- Do not use cracked or deformed wheel bolts; otherwise, the wheel bolts may get loose or the wheel may detach, causing a traffic accident.

WARNING (Con'd)

- Before lowering the vehicle after tire rotation, make sure that no part of the body of all personnel will be injured as the vehicle is lowered to the ground.

NOTE

- For vehicles equipped with a tire pressure monitoring system, it is recommended to contact the GAC AION sales store for tire rotation or replacement.
- The tire and rim used in the illustration above are for reference only. Please refer to the actual vehicle.

Jump start

If the low voltage battery has been depleted, you can try to start your vehicle via jumper cables and a low voltage battery of another vehicle.

Connecting jumper cable

Connect the jumper cable in the following steps:

1. Connect one end of the red positive (+) cable to the positive (+) terminal of the dead battery of the vehicle being rescued.
2. Connect the other end of the red positive (+) cable to the positive (+) terminal of the live battery of the rescue vehicle.
3. Connect one end of the black negative (-) cable to the negative (-) terminal of the live battery of the rescue vehicle.

CAUTION

- Do not let the cable clamp on the other end of the black negative (-) cable come into contact with anything before performing Step 4.

4. Connect the other end of the black negative (-) cable to a suitable grounding point (clean and unpainted solid grounded metal component) of the vehicle being rescued.

CAUTION

- Keep away from the negative (-) battery terminal.
- Do not connect the other end of the black negative (-) cable to a dead battery.

5. Start the rescue vehicle for a period of time, then try to start the vehicle being rescued and hold it for a period of time to charge the vehicle fully.

NOTE

- If the vehicle being rescued cannot be started after several attempts, it is recommended to contact the GAC AION sales store for treatment.

Disconnecting jumper cable

Disconnect the jumper cable in the following steps:

1. Disconnect the black negative (-) cable from the vehicle being rescued (vehicle with dead battery).
2. Disconnect the black negative (-) cable from the rescue vehicle (vehicle with live battery).
3. Disconnect the red positive (+) cable from the rescue vehicle (vehicle with live battery).
4. Disconnect the red positive (+) cable from the vehicle being rescued (vehicle with dead battery).

WARNING

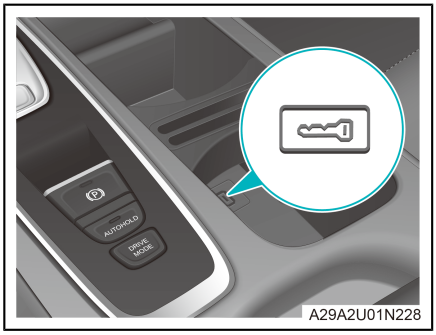
- If the jumper cable is connected or disconnected in the wrong order, a short circuit in the electrical load may occur, causing vehicle damage or personal injury. The resulting repair is outside the warranty coverage.
- Be sure to connect and disconnect the jumper cables in the correct order and make sure that the cables do not come into contact with each other or other metals to prevent accidents.
- Not batteries of all vehicles can be used. Only batteries with a rated voltage of 12 V can be used for jump start.

Emergency start of vehicle

If there is a brake signal failure during the start, the emergency start of vehicle can be done in the following steps:

◇ With the transmission in “P” gear, set the POWER button to “ACC” position, then press and hold it for about 15 s to start the vehicle.

Start steps when the smart key battery is low:



1. Place the smart key horizontally at the key mark on the bottom of front cup holder.
2. Depress the brake pedal, and then press the POWER button to start the engine.

CAUTION

◆ The above emergency start method can only be used in an emergency. When the vehicle has a brake signal failure, GAC AION sales store for repair. When the smart key battery is low, the battery should be replaced as soon as possible.

Emergency poweroff of vehicle

If an emergency occurs during vehicle running, set the POWER ON/OFF button to “ACC” position to stop the power output of the drive motor and achieve emergency poweroff. Specifically, you can operate in any of the following ways:

◇ Press and hold the POWER button.

◇ Press the POWER button 3 times.

The vehicle can be started again several seconds after emergency poweroff.

Getting out of a trap

If the vehicle is stuck on a soft road such as sandy, muddy or snowy road, follow the steps below to get out of a trap:

1. Power off the vehicle, and remove mud, snow or sand around the front wheels.
2. Place wooden blocks, stones or other objects under the front wheels to help increase the adhesion and friction.
3. Start the engine and accelerate the vehicle slowly to get the vehicle out of the trap.

WARNING

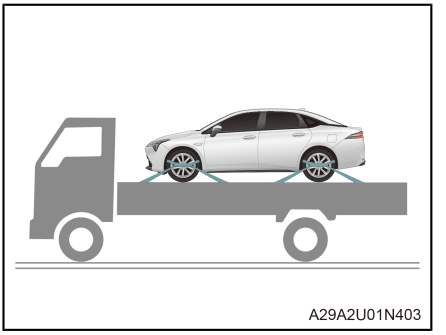
- If the vehicle is to be driven out of the trap by pushing the vehicle from the front and rear, make sure that the surrounding area is spacious and unimpeded to avoid colliding with other vehicles, objects or people. When the vehicle is driven out of the trap, it may suddenly rush forward or backward, so extra care shall be taken.

NOTE

- If the vehicle still cannot get out of the trap after several attempts, it is required to have a trailer for rescue.

Vehicle towing

If the vehicle needs to be towed, it shall be towed by the GAC AION sales store or a professional towing company.



It is recommended to use a flatbed trailer.

CAUTION

- Keep the front and rear wheels off the ground during vehicle towing.
- Towing with a hoist trailer is prohibited; otherwise, the vehicle may be damaged.

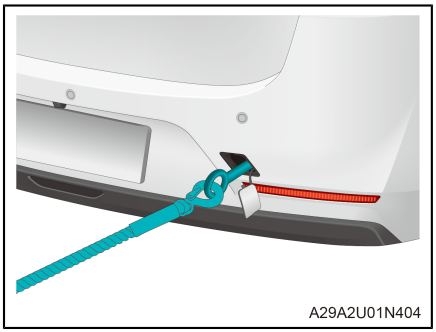
NOTE

- For towing, be sure to use the safety chain system and comply with the relevant national/provincial (municipal) and local laws and regulations.

Installing a towing hook

The installation methods of front and rear towing hooks are consistent. The installation method of rear towing hook is described below.

1. Open the towing cover under the rear bumper.



2. Insert the towing hook into the towing port, turn it clockwise and tighten it.

WARNING

- When installing a towing hook, be sure to tighten it. If the towing hook is loose, it may fall off during towing, causing serious personal injuries or vehicle damage.
- If the vehicle is stuck in mud or sand, or if it is required to pull the vehicle out with a towing hook due to other circumstances, be sure to observe the precautions related to getting the vehicle out of a trap; otherwise, the towing rope or chain may break due to the excessive tension applied, thus causing serious personal injuries or vehicle damage.
- During vehicle towing, the driver must sit in the vehicle to control the steering wheel and brake pedal to avoid personal injuries and vehicle damage during towing.

CAUTION

- Before towing, check whether the towing hook is broken or damaged.
- Straight-line towing shall be kept as much as possible. Do not tow the vehicle from one side or at a vertical angle to avoid damaging the towing hook and the vehicle.

CAUTION (Con'd)

- Do not yank the towing hook. The force application shall be smooth and balanced.
- Do not fix the towing rope or chain to a suspension component.
- If the vehicle is difficult to move, do not continue the towing, and contact the GAC AION sales store for towing.
- Towing with a towing hook is only used to help get the vehicle out of the poor road. Driving by towing is prohibited; otherwise, the vehicle may be damaged.

Rescue in case of driving through water

If water may enter the vehicle during driving through water, follow the steps below:

1. Drive the vehicle away from the water-logged road section, park it in a safe place, and check whether there is water inside the vehicle. If so, clear it.
2. If the vehicle cannot be driven away from the water-logged road section, switch off the vehicle power supply immediately.
3. Disconnect the negative battery terminal if conditions permit.
4. Call the GAC AION's customer service hotline for rescue.
5. If the vehicle is flooded severely, all occupants should be evacuated to a safe place immediately.

WARNING

- If the vehicle is soaked in water or falls into water accidentally for weather or special reasons, it is forbidden to power on the vehicle; otherwise, accidents or secondary damage to the vehicle may occur.

Rescue in case of battery leakage

WARNING

- If a vehicle collision causes the traction battery fluid leakage, a professional rescuer shall wear a protective mask and solvent isolation gloves, and shall not touch the fluid directly.
- If the leaked fluid is touched accidentally, try to remove the contaminated clothes and immediately rinse the related part with soap and plenty of water for 15 min until no chemicals remain. In case of an uncomfortable symptom, seek medical attention immediately.

Rescue in case of vehicle fire

After the vehicle catches fire, immediately leave the vehicle and evacuate to a safe place, and call the police and rescue phone number.

After the vehicle fire is extinguished, it is recommended to contact the GAC AION sales store for treatment; in this case, do not touch the vehicle subjected to the fire accident to avoid accidents such as electric shock and burns.

DANGER

◆ When the instrument cluster displays a message “Safe parking, emergency leaving” and sends a buzzer sound, it means that the internal temperature of the battery rises sharply and an accident of thermal runaway (overheating, fire, explosion) will occur. In this case, immediately park the vehicle safely and stay away from the vehicle.

In order to prevent vehicle fires timely and effectively, pay attention to the followings during use:

◇ Never store flammables or explosives in the vehicle.

- In hot summer days, if flammables or explosives such as lighters, cleaning agents and perfumes are stored in the vehicle, fire and even explosion is likely to occur.

◇ Never modify the electrical circuits or install additional electrical components.

- Installation of additional electrical consumers (such as high-power audio device) will cause excessive load on the electrical line, causing overheating and even fire of harnesses.

◇ Go to the GAC AION sales store for inspection and maintenance regularly.

- Check for oil leakage regularly, and remove grease and oil stains from the motor timely to avoid fires caused by volatilization of the grease and oil stains under high temperature conditions.
- Regularly check all electric lines of the vehicle, and check whether the electrical devices and harness connectors are insulated and fixed normally.

◇ It is recommended to equip the vehicle with a fire extinguisher and know its operation method.

- An onboard fire extinguisher is recommended to be prepared on the vehicle to ensure the driving safety. Check and replace the fire extinguisher regularly and be familiar with its operation method.

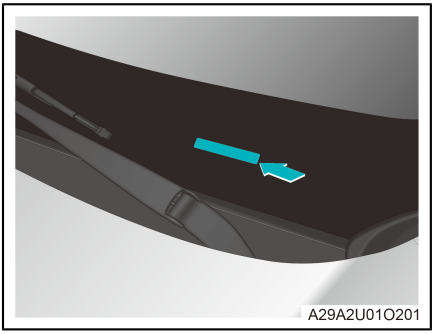
◇ Precautions for driving.

- During parking, especially in summer, ensure that there are no flammables (such as hay, dry branches, leaves and wheat stalks) under the vehicle; otherwise, fire may be caused.
- During driving, try to avoid road sections with flammable materials such as dry leaves, wheat straw, and weeds, or stop to check whether there are any of such flammable materials attached to the bottom of the vehicle after driving through such road sections. Try to park the vehicle in a place without sun exposure.

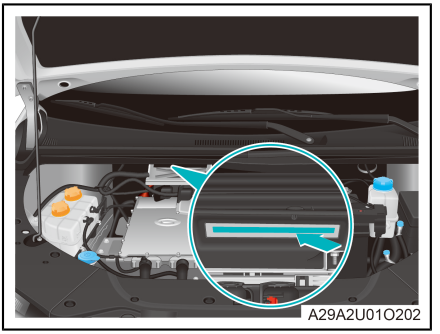
Vehicle identification number (VIN)

Location of vehicle identification number (VIN)

The vehicle identification number (VIN) is the ID code of a vehicle and has uniqueness.



◇ The VIN is pasted at the reserved groove on the lower right of the front windshield.

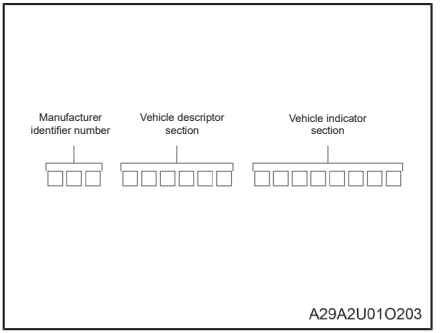


◇ The VIN is engraved on the right side of rear crossbeam of motor compartment.

NOTE

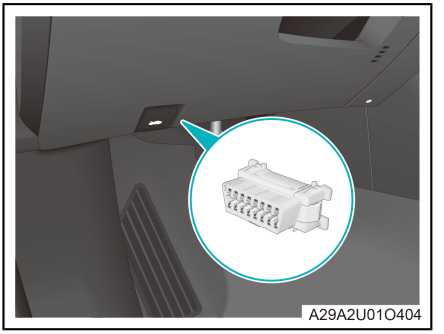
◆ The location and quantity of vehicle identification number (VIN) are not complete. Please refer to the actual vehicle.

Composition of vehicle identification number (VIN)



The VIN is composed of 17 characters and contains information such as the country of manufacture, manufacturer, year and vehicle characteristic code.

Vehicle identification number (VIN) read with a diagnostic scan tool



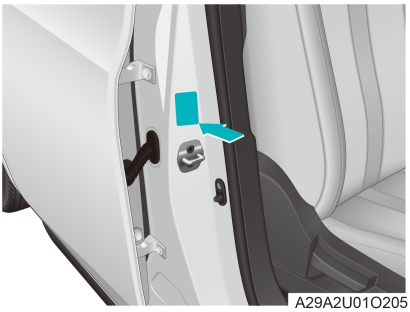
The OBD DLC is located at the lower right rear of the instrument panel. Data such as the vehicle identification number (VIN) and vehicle status information can be read by connecting a special diagnostic scan tool to the OBD DLC.

NOTE

◆ If you need to diagnose whether the vehicle data is normal, contact the GAC AION sales store for data diagnosis.

Vehicle nameplate and sticker

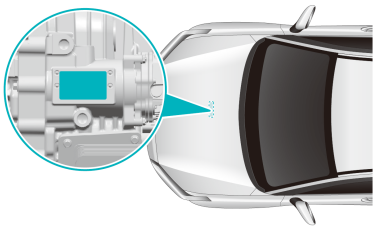
Manufacturer's nameplate


A29A2U01O205

The manufacturer's nameplate is pasted on the near the front door lock catch of B-pillar on the driver side.

The manufacturer's nameplate is marked with the country of manufacture, date of manufacture, vehicle identification number (VIN), drive motor parameters, traction battery parameters and other information.

Motor model and number

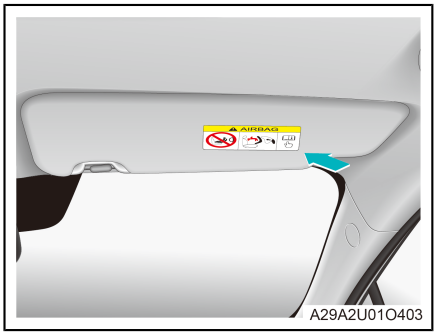

A29A2U01O401

The motor model and number are engraved on the motor housing.

Vehicle sticker

Vehicle stickers include the airbag warning sign, cooling fan warning sticker, etc. Be sure to read and follow the instructions on the stickers.

◇ Airbag warning sign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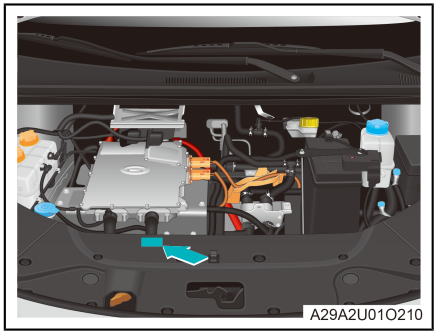
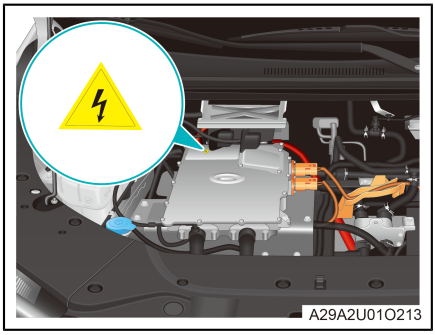
- The airbag warning signs are located on the front and back of sun visor on the front passenger's side.

◇ Cooling fan, coolant warning sticker


A29A2U01O210

- The cooling fan, coolant warning sticker is located on the motor compartment guard plate.

◇ High-voltage component warning label



- The high-voltage component warning labels are located on the housings of each high-voltage component.

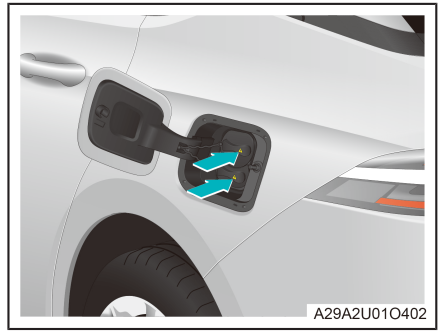
◇ Automotive energy consumption sign

- The automotive energy consumption sign is located on the front windshield.
- The automotive energy consumption sign contains information such as the manufacturer, vehicle model, energy type, vehicle mass and electric energy consumption.

NOTE

◆ To prevent the sign from affecting the field of vision, remove the sign after purchasing the vehicle.

◇ Charging warning sticker



- The charging warning sticker is located on the charging inlet cap.

Technical parameters of vehicle

Item		Parameter
Overall dimensions (mm)	Length	4810
	Width	1880
	Height	1545
Wheel track (mm)	Front	1600
	Rear	1602
Wheelbase (mm)		2750
Front/rear overhang (mm)		960/1100
Kerb mass (kg)		1645/1665
Axle load (kerb mass) (kg)	Front	825/820
	Rear	820/845
Gross vehicle weight rating (kg)		2135
Axle load (gross vehicle weight rating) (kg)	Front	1000
	Rear	1135
Min. ground clearance under full load (mm)		≥ 120
Minimum turning diameter (m)		11
Maximum speed for 1 km (km/h)		130
CLTC range (km)		442
Power consumption in CLTC (kWh/100 km)		13.6
Maximum gradeability (%)		30
Approach angle (°)		≥ 13
Departure angle (°)		≥ 14
Seating capacity		5

Technical parameters of motor

Item	Parameter
Motor model	TZ184XYA2002
Drive motor type	Permanent magnet synchronous motor
Drive mode	FF
Rated power (kW)	38
Rated speed (r/min)	5400
Rated torque (N•m)	85
Peak power (kW)	100
Peak speed (r/min)	14000
Peak torque (N•m)	225

Technical parameters of traction battery

Item	Parameter
Type of battery	LFP battery
Rated voltage (V)	326.4
Rated capacity (A•h)	169
Cooling method	Liquid cooling
Charging temperature (°C)	- 20~55
Discharging temperature (°C)	- 30~55
IP rating	IP67

Wheel and tire parameters

Item		Parameter
Tire specification		215/55 R17
Standard tire pressure (kPa)		250
Spare tire specifications		215/55 R17
Standard pressure for spare tire (kPa)		250
Four-wheel alignment	Front wheel toe-in	0°5' ± 3'
	Front wheel camber	- 0°12' ± 30'
	Kingpin caster angle of front wheel	7°15' ± 45'
	Kingpin inclination angle of front wheel	12°5' ± 45'
	Rear wheel camber	- 1°41' ± 30'
	Rear wheel toe-in	0°10' ± 18'
Dynamic balance of wheels		Single-sided residual unbalance ≤ 8 g
		Total weight of balance weight on both sides ≤ 120 g

Technical parameters of brake system

Item		Parameter
Type of service brake system		Hydraulic brake, disc brake
Type of parking brake system		EPB
Power mode of brake booster		Vacuum
Free travel of brake pedal (mm)		≤11
Max. travel of brake pedal (mm)		106.4
Reasonable usable range of brake lining pairs	Total thickness of front brake lining (mm)	12
	Allowable wear thickness of front brake lining (mm)	10
	Total thickness of front brake disc (mm)	25
	Allowable wear thickness of front brake disc (mm)	2
	Total thickness of rear brake lining (mm)	10.2
	Allowable wear thickness of rear brake lining (mm)	8.2
	Total thickness of rear brake disc (mm)	11
	Allowable wear thickness of rear brake disc (mm)	1

Type and dosage of vehicle fluids

Item	Specification	Dosage	Remarks
Brake fluid	DOT4	0.7~0.9 L	/
Refrigerant	HFC-134a	550~590 g	/
A/C system coolant	G30, - 35°C	1.5~3.1 L	/
TGW system coolant	G30, - 35°C	4.5~6.0 L	/
Motor coolant	G30, - 35°C	3.2~4.8 L	/
Windshield washer fluid	44% methanol with freezing point of - 30°C, and 56% water with hardness not more than 205 g/t	1.8~2.2 L	/
Differential & reducer gear oil	IDEMITSU MOTF TS-1	1.33~1.43 L	/

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