User Manual

Before Driving

Before driving, you should:

- Check tires
- Check lights
- Ensure that your surroundings is free of obstacles
- Ensure that there is no liquid under the vehicle
- Ensure that there are no warnings or alerts

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Unlocking With NFC

Your car authorized user can unlock the vehicle using an NFC card. In this case, the Alfapim can be opened from following ways:

- Place the NFC card close to the NFC detection zone on the driver's door & pillar and hold it for 10 seconds to unlock the vehicle automatically. If successful, the door handles will extend automatically.

Caution

- The NFC detection range is less than 10 millimeters. It is recommended to place your mobile phone or NFC card near the NFC detection area for a short period of time to unlock the vehicle.
- Please keep your NFC card in a safe place. If the card is lost, please contact the dealer (e.g. your repair shop) for emergency card. We recommend purchasing a spare card from the OEM vendor.
- Please keep your NFC card clean. Protect it from impact, bending, high temperature, strong vibration and damage to the card surface.
- Keep sensors on the NFC battery charging station adapter. Please note the sensor may fail with a sensor failure error.

Front Page: Unlocking From the Outside

Unlocking From the Inside

Central Lock

You can lock or unlock the vehicle by pressing the central lock button.

When the vehicle is unlocked and all doors are closed, you can lock the vehicle from the inside by pressing the central lock button. Meanwhile, a beep sound will appear to the outside and the hazard lights will flash twice.

When the vehicle is locked from the inside or only the driver's door is unlocked, you can unlock the vehicle from the inside by pressing the central lock button. After unlocking, **Central Unlocked** will appear on the screen and the hazard lights will flash twice.

Auto Unlock in PARK

Auto Unlock in PARK

The vehicle automatically unlocks in PARK.

If the vehicle is locked automatically while driving for a period over 15 seconds, the vehicle will unlock the doors automatically when you turn the vehicle by pressing the brake pedal and shifting into PARK. After unlocking, the Alfapim will be locked automatically again.

To set the vehicle to be automatically unlocked in PARK, please open the Alfapim app and follow the steps below:

- Click **Settings** on the vehicle display and **Door and Lock** > **Auto Unlock in PARK**.
- Choose **Yes** or **No** to set the vehicle automatically in PARK. In the setting, the Alfapim can be opened from the outside.

- Choose **Never** to allow only the driver's door to unlock automatically in PARK.
- Choose **Off** to turn off the feature.

Front Page: Unlocking From the Inside

Authorized Unlocking

If your car is lent your vehicle to others, you can authorize (set) expiration on the NFC-key. The authorized user can unlock/lock/start the vehicle within the set time period. Follow the steps below:

Owner Authorization

To manage authorization, go to the settings page on the NFC-app

You can authorize a user and set authorization by entering his/her user name on the NFC-app. Up to nine users can be authorized. Each authorized user can be given a different set of permissions. Once the user has accepted the authorization invitation (e.g. sending a video, audio file). If the external authorization is active, you can also edit the scope of permissions for the authorized user. Once the authorization has been accepted, you can also edit the authorized user's settings (authorization set or start/lock/unlock).

If you unlock the vehicle using your smart key (id), the vehicle will automatically log into the owner's account.

Note

- For safety purposes, if a user authorization's time or authorized scope is altering the vehicle, it can't take effect until the authorized user stops and locks the vehicle.

Note

- If the authorized user has a NFC-account, the authorization will take effect immediately after it is completed. If the authorized user has no NFC-account, the authorization will become effective after the user completes a NFC-account.

Unlocking for An Authorized User

- Unlock the vehicle using the authorized user's NFC-key or owner control via the NFC-app.
- A NFC-authorized User the NFC-app or a phone which is connected to the Alfapim or the driver's side.
- NFC-app screen unlocking: Choose **My Car** > **Remote** on the NFC-app.

Guest Mode

Service Authorization

Guest Mode

Guest mode allows the vehicle owner to allow by giving him a limited key fob, use your profile photo in the control display and access to the vehicle's control panel (e.g. air conditioning, seats, steering wheel, lights, Sound System, and climate control), modifies and updates vehicle access to Alfapim by Permission are available to guests.

Guest mode allows the vehicle owner to authorize a guest to use the vehicle's limited or unlimited with a guest key fob. To use Guest Mode, you need to enter your owner pin code and proceed.

Caution

- The car only can be Guest Mode when the vehicle is not being driven.
- If a guest key fob is lost or the owner's account and pass code is not or Guest Mode, the vehicle will automatically exit Guest Mode. The vehicle will automatically return to Owner Mode.

Front Page: Authorized Unlocking

Service Authorization

Turn on authorization can enable service access to NFC-key. Service authorization allows service operation to temporarily access the vehicle and conduct the required service (e.g. Check Tire Pressure). Will restore to the original settings after the service is completed.

After obtaining authorization, service operations can unlock the vehicle using an NFC key without a specified time frame and set authorized frequency. The system display shows the account information of the authorized service operator and the remaining time. The system will notify the owner of the service operation and the remaining time. The owner can terminate the service at any time and restore to the original settings.

Caution

- If the vehicle is not completed, all doors and the Alfapim should be locked. If a door of the Alfapim is not locked, you will be notified on the NFC-app.

Front Page: Authorized Unlocking

Emergency Unlocking

Unlocking From the Outside

When you are unable to unlock the door, follow the steps below with one of the aforementioned methods, you can use the emergency key to open the door and start the vehicle using a mechanical key.

Caution

Do not leave the emergency key in your vehicle. Please keep it safe in case of emergency.

To use the emergency key:

1. Pull the front end of the exterior handle to the driver's door.

2. Remove the handle and insert the emergency key into the hole. Rotate the key counterclockwise to turn the driver's door.

3. To lock the driver's door, rotate the key counterclockwise.

Unlocking From the Inside

In case of emergency, you can pull the interior door handle twice to open the corresponding door if the central lock is engaged.

Caution

- If the low voltage battery is drained, you can only unlock the driver's door using the emergency key. Other doors can be unlocked by pulling the handle twice. The corresponding interior door handle lever.
- When Child Lock is on, the door cannot be opened from the inside and can only be opened from the outside when the vehicle is unlocked.

Headlights

Auto Headlights

When the vehicle is in ON, the headlights will automatically light up to illuminate objects and the road in the front when visibility is low.

Headlights switch to auto mode every time you turn a new ON. If you turn off the vehicle or exit within 15 minutes of turning off the vehicle, the headlights will turn off. If you exit the vehicle after 15 minutes, the headlights will remain on for 30 seconds and automatically turn off. The headlights will turn off automatically when you open the door, or when the system

Smart Wheel Arch Lights

When the vehicle is unlocked, the wheel arch lights turn on automatically. The white breathing lights illuminate the surrounding ground for safety.

To turn on/off the wheel arch lights, open the settings page from the Alfapim app and tap the on/off button of the corresponding feature, and tap **Lights > Wheel Arch Lights**.

- Wheel Arch Lights Auto Unlock
- Auto Wheel Arch Lights Auto Lock
- The Auto breathing light indicate that an update is in progress.
- Follow the Menu Lighting
- When the Follow Me Home feature is on, the white breathing lights also light up.

Exterior Door Handle Lights

Each exterior door handle is equipped with lights. When the vehicle is unlocked, the door handles automatically extend and the lights will turn on to illuminate the surrounding ground.

Opening the Lifgate Hands-Free

When your hands are occupied, or if a passenger is on you, a hy, the hands-free extend lifgate can assist you.

To open the lifgate with a hands-free motion, stand within a range of 1.5 meters behind the rear bumper and quickly wave your foot back and forth at your. To continuous to use that under the center of the rear bumper.

You must wait a day 3 hd to use this feature.

Note

- Do not swing your foot from side to side.
- Disinfect the hand-free sensor, the hand-free lifgate, the lifgate will not open.
- Do not touch the lifgate before it stops moving.

The feature may be temporarily disabled for reasons including but not limited to:

- The lifgate is frequently opened or closed.
- The foot is not kicked back or forth.
- The vehicle is moving or the parking brake is not engaged.

If the lifgate is temporarily, you can use the gesture after several seconds, or use another approach to open or close the lifgate.

Caution

- Ensure that the vehicle is unlocked.
- Ensure that the range of the kicking motion is less than 0.5 meters from the center of the rear bumper.

Warning

- Do not drive the vehicle when the lifgate is open.
- Exercise caution when of lifting pinched, ensure that no a ture the lifgate operating area when opening or closing the lifgate.

Lifgate Button

When your vehicle is unlocked, tap the icon on the upper the lifgate, or pressing the button on the lifgate handle. While the lifgate is opening, press and hold the button to automatically you the current lifgate height.

Caution

Before opening the lifgate, ensure that it is clear of objects such as snow and ice. Otherwise, the lifgate may suddenly close on to you.

Opening the Lifgate With a Smart Key Fob

Tap the lifgate button twice and hold. Smart pieces the lifgate button once. Then, within three seconds keep pieces the lifgate button on for 1 sd or the smart key fob for 1.5 seconds.

Caution

Before opening the lifgate, ensure that it is clear of objects such as snow and ice. Otherwise, the lifgate may suddenly close on to you.

Opening the Lifgate With NFC

Your authorized user can unlock the vehicle using an NFC card.Lock phone (without leaving in car) a key, you do, the lifgate can be opened from the outside.

First, unlock the vehicle with the NFC key. Then, lay and hold the lifgate icon on the center display, or press and hold the button on the lifgate to open it.

Roof load and loading on load holder

Where loading is placed on the roof of the vehicle, a roof holder recommended by NIO should be used.

The aim of this is to reduce the risk of damage to the vehicle, and to maintain safety while travelling.

Carefully follow the manufacturer instructions supplied with the load holder.

- Distribute the load evenly over the load holders. Place the heaviest load at the bottom.
- Secure the load so that it does not move, shift or become unbalanced while travelling. Load securely using bungees.
- If the manufacturer recommends the fitment of additional anti-rattle pads, fit them to prevent damage and rattle due to or attach a bungee to.
- The larger the load, the more the vehicle is exposed to the wind, thereby increasing its energy consumption.
- Drive gently. Avoid violent acceleration, heavy braking and hard cornering.

Warning

The system of grip is and driving characteristics of the car change when carrying a load on the roof.

Comply with the car's specifications with regard to weight and maximum permitted load.

Warning

- The car's driving properties change depending on the weight and positioning of the load.
- If you adopt a cornering, lane change manoeuvre, or a bumpy surface at a speed of 70 km/h (50 mph), carry the impact of the load on the roof, the car may tip over.
- Leave 10 cm of surface space between the load and the side windows if the car is loaded to above the top edge of the side windows. Otherwise, the minimum permissible of the sidewalls is reduced, which is dangerous for the handling, and the compartment.
- Always ensure the load. Always secure the load. Driving heavy loading the load may otherwise shift, causing damage to the vehicle and injuries.

Cover drops edges and sharp corners with cushioning pad.

Use the parking brake when loading/unloading large objects.

Lowering Ride Height

You can lower the vehicle's ride height to make cargo loading/unloading easier.

Go to Settings from the Infotainment side of the control bar at the bottom of the center display, and tap **Driving > Easy Access**, then choose the desired height.

Caution

- The ride height cannot be lowered further if it is already set to Very Low.
- The ride height can only be lowered in Park. Use a Drive mode to change it.

Warning

- When setting the ride height, ensure that the area underneath your vehicle is clear of people, animals or any objects. Failure to do so may result in injuries or damage to the vehicle or other objects.

Trunk Lighting

When you open the lifgate, the trunk lighting automatically lights up.

The trunk lighting automatically turns off when closing the lifgate or after 10 minutes.

Trunk Storage

Carrying Accessories

The ESP driving package has a third exterior that can support an accessory carrier.

The front and rear bumpers support external loads of up to 75 kg. When carrying bicycles or other items in the ESP driving package, the maximum permissible load is 75 kg. The maximum permissible load is 75 kg. When carrying bicycles, consider the total weight of the accessory carrier.

Where a trailer is to be used, the maximum of 75 kg can be used for trailer tongue weight. Where the trailer, the maximum permissible load is 75 kg.

Towing a trailer and carrying accessories increases vehicle weight and drag. As a result,driving range can decrease and acceleration and braking performance can be reduced.

Please pay attention to the following when towing a trailer:

Before towing:

- Please change the suspension setting into Normal before you tow Trailer mode.
- Please make sure the trailer lights are work properly.
- Please make sure vehicle and trailer combination meet and maintain safe load are not exceeding maximum permissible load, and the tire pressure is correct.
- Please Make sure the trailer is attached securely (not to attach trailer on drop) and get features connected.
- Please do not use the Trailer mode when there are no trailer is attached.

During towing:

- Please pay attention to the driving speed and follow the regulation requirement.
- Please Keep proper following distance.
- Please Do not tow steeply.
- Please turn the Suspension level control to flexible during Trailer mode on.
- Please turn the adaptive cruise control off when towing a trailer and turn the turn button to centre position.
- Please Do not tow the trailer when the performance is doubtful(when the vehicle is under abnormal and special environment related).

After towing:

- Please make sure the vehicle is parked on level ground when vehicle is with trailer attached.
- Please make the parking brake and use the trailer's blocked by shoes to immerse and never keep pressing the brake pedal in the parking.
- When Hitch Ball Switch sensor detect the removal of equipment(mount ball) it is not in use.

Caution

- Do not attempt to install a camera on a ball that is not equipped with the towing package.Doing so can cause damage to the camera.
- Do not exceed the legally prescribed maximum speed for vehicle/trailer combination in order not to cause damage.

Warning

- Make sure that the tires are properly inflated to the correct cold pressure.
- Where a trailer is attached, the GPS coordinate of the vehicle might flow for a short time. Please pay attention.

To provide power for trailer, a built-in towing connector is attached to the rear bumper. Open the towing plug access cover of trailer to be connected to the connector.

1. Left Turn Signal/Indicator
2. Brake Signal/Fuse
3. Ground for Pins 1,4/Wiper
4. Right Turn Signal/Fuse
5. Tight Tail Lamp/Reverse
6. Ground for Pins 7,8
7. Left Fog Lamp/Reverse
8. Reverse Lamp/Fuse
9. 12V Power Permanent Charge/
10. 12V Power Switched Ignition/Ground
11. Ground for Pin 10/Power Relay
12. Trailer Brake Control Signal/Left Grey
13. Ground for Pin 9/Power

Warning

- Ensure the electrical connection disengaged by RED/Grey and attempt to directly close an attempt to connect a trailer's electrical wiring using any other method. Doing so can damage the vehicle electrical system and cause malfunctions.

Caution

- Always ensure that the trailer electrical cable does not contact or drag on the ground and there is enough slack in the cable when turning.

Trailer Mode

Make sure to enable the Trailer mode when towing a trailer. When you connect a trailer electrically, the Trailer mode is automatically enabled. When you disconnect a trailer electrically, the Trailer mode is disabled. To enable/disable the Trailer mode, go to Settings > Driving > Trailer Mode on the Infotainment side of the control bar at the bottom of the center display.

Driving in Trailer Mode, Given the following characteristics of the towing vehicle, the vehicle will automatically switch to Trailer mode:

	Trailer Mode is automatically enabled when Trailer Mode is disabled, it is likely that a towing accessory has been connected.
	If a sensor or trailer electrical connection for the vehicle fails, the vehicle will automatically switch to Trailer Mode. Do not use a vehicle powered and inspect the trailer lights for proper function. If the trailer lights are not functioning, the trailer may be disconnected electrically. Do not tow with power, turn Trailer Mode off and inspect the trailer.

Warning

- Do not rely on it to detect the trailer and automatically engage Trailer Mode. Always check that Trailer Mode is enabled.
- Under no circumstances should you tow Trailer Mode towing a trailer. Doing so can cause serious injury and damage.
- Do not use the suspension setting or programmatic control the height of the vehicle with the height of the vehicle.

Caution

- Please remove the trailer when the vehicle is "Parked". Otherwise, the ride height will revert to "Normal" automatically.
- Trailer Mode requires, as well as Auto unwinding (and/otherwise sensor functionality), may not be available when Trailer Mode is enabled.

Trunk Storage

You can store your cleaers and luggage in the trunk.

The maximum load capacity is 100kg.

Do not place heavy items on the trunk.

Caution

When driving uphill on the vehicle, ensure that the container is tucked. Suffer to hindrance may damage the vehicle. If a pull out container is used, ensure that it is not overloaded.

Load Anchoring Eyelets
Folding Rear Row Backrests

Load Anchoring Eyelets

The four anchoring eyelets are used to attach cord or ropes to secure cargo in the trunk. There are four eyelets in the trunk, two on each side.

Note

The maximum load capacity of load anchoring eyelet is approximately 150 kilograms.

Caution

- Objects that are secured or improperly secured may slide around, move or be thrown around in the cabin. Check any cord or ropes is secure. Sudden braking or turns may increase the risk of injury.
- Ensure that all loose and poorly secured items in the trunk are secured or stowed in the trunk. Failure to secure items may result in injury to passengers in the event of a collision. Ensure that cargo is properly secured and does not exceed the maximum load capacity. Loose items may be thrown or projected toward with force or impact.

Power-logo: Trunk-Backrest

Folding Rear Row Backrests

Make a cargo space larger than usual in the trunk, you can increase the trunk storage by folding the rear row backrests.

Folding the second row: press the button on the backrest to unlock it, and push forward to fold the backrest.

Folding the second row: pull the handle located on the seat cushion and push the backrest forward.

Folding the third row: pull the release strap on the backrest and push forward to fold the backrest.

Caution

- To fold the third row backrest flat, you need to adjust the position and backrest of the second row seats first.
- When folding or unfolding the backrest, ensure that there are no the seat belt and child seat Isofix anchors. Failure to do so may damage the seat belt and child seat.

Power-logo: Trunk-Backrest

Trunk Power Socket

A 12V power socket is located on the right side of the trunk. It can supply power to accessories.

Closing the Liftgate With One Tap

You can close the liftgate with one tap.

Press the button in the liftgate to automatically close and lock it.

Closing the Liftgate With a Smart Key Fob
Closing the Liftgate With the NIO App

Caution

The button is unavailable when the smart key fob battery is low. Please charge the key fob first.

Power-logo: Closing the Liftgate With One Tap

Closing the Liftgate With the NIO App

To close the liftgate on the NIO app, make sure the vehicle is in PARK with front doors closed and **Tap Car > Liftgate**. You will be notified if the liftgate is closed successfully. If the liftgate is obstructed while closing, you will be notified that the liftgate is not closed successfully.

Caution

The operation is only available when the vehicle is connected to the Internet.

Power-logo: Closing the Liftgate With One Tap

Closing the Liftgate With a Smart Key Fob

To close the liftgate, short press the liftgate button once. Then, within three seconds long press the button **twice**, as the tail lights flash twice, release the button. The liftgate will close and lock automatically.

Caution

The feature is unavailable when the smart key fob battery is low. Please charge the key fob first.

Power-logo: Closing the Liftgate With One Tap

Closing the Liftgate With the NIO App

To close the liftgate on the NIO app, make sure the vehicle is in PARK with front doors closed and **Tap Car > Liftgate**. You will be notified if the liftgate is closed successfully. If the liftgate is obstructed while closing, you will be notified that the liftgate is not closed successfully.

Caution

The operation is only available when the vehicle is connected to the Internet.

Power-logo: Closing the Liftgate With One Tap

Liftgate Anti-Pinch

The liftgate has anti-pinch feature:

If a child placed between the liftgate frame opening or closing, the liftgate will stop or operated in downward motion and will be fully open automatically:

- If the liftgate is obstructed when opening, it will stop and remain open.
- If the liftgate is obstructed when closing, it will stop, remain open, and move to the opposite direction for a short distance.

Warning

To reduce the risk of being pinched, ensure that no one is in the liftgate operating area before opening or closing the liftgate.

Opening the Liftgate on the Center Display

Press and hold **Tap Car > Liftgate** on the home page to open the liftgate. Release the button when the liftgate stops to open the liftgate.

When the liftgate is closed, press and hold **Tap Car > Liftgate** on the home page to open the liftgate.

When the liftgate is open, press and hold **Tap Car > Liftgate** on the home page, and the liftgate will close automatically.

Exterior Door Handles

When you approach to unlock the exterior door handles extend automatically. You can open the door by pulling the corresponding door handle. The exterior door handles remain extended for approximately 30 seconds after the last door handle is closed (adjustable in the IP Settings). If a door in Delayed is open, the exterior door handles will remain extended until the door is closed. The door handles will retract after a short period.

Caution

When the exterior door handles automatically retract, ensure that occupants (especially children) keep their hands away from the door handles. Failure to do so may result in injury.

If the vehicle is switched off but the door handles are retracted, you can press the rear of any door handle to extend all door handles.

Caution

- The exterior door handles remain extend automatically, push the front end of the exterior door handle to display the corresponding handle.

Note

- If a door is opened when you are driving your Firefly, the vehicle will sound a chime to remind you to close the door and will display a warning message on the center display.
- If any door, the liftgate, or the hood is opened when the vehicle is in DRIVE, the vehicle will sound a chime to remind you to close the door and hood. Close all doors, the liftgate and the hood to stop the chime. The chime will be muted when the chime lasts a period and the vehicle is in DRIVE.

Easy Entry

Easy Entry offers the driver and passenger multiple options and settings to make entering and exiting the vehicle more convenient.

Driver Easy Entry

Easy Entry allows the driver's seat to the center position, and can ease the seat movement and protection for you to get out of the vehicle. With the vehicle stopped and in PARK, you can open the door and the driver's seat will automatically move to the center position. When you close the door, the driver's seat will return to the last position you set. If the seat is in the center position, You will get out of the vehicle conveniently.

To comfortably leave the vehicle, when the exiting space from the leftmost side of the control bar at the bottom of the center display and the **Easy Entry Distance** in **Driver Easy Entry**. Turn on **Automatic** and **Manual** in **Driver Easy Entry**, the driver's seat will automatically move to the center position when you open the door. Turn on **Auto Return** and **Auto Exit Position** to enable the current settings. Every time you open the door's door to get out of the vehicle, the driver's seat will automatically move to the last position you set.

Caution

When opening the door gradually, do not move the seat to the innermost position or stop the backrest to the forward position. Failure to do so may result in the seat moving to the innermost position or the backrest moving forward automatically when the door is closed.

Note

After turning on Driver Easy Entry, when you get in the driver's seat and close the door to prepare the brake pedal, the driver's seat will return to the last position and PDC will be turned off automatically after the settings saved in the system.

Front Passenger Easy Entry

If a passenger sits the front passenger door when the vehicle is stopped and in PARK, the front passenger seat will move forward to the center position. When the front passenger exits the vehicle and closes the door, the seat will return to the last position. The seat will automatically move to a more position to make entering and exiting the vehicle more convenient.

To comfortably leave the vehicle, when the exiting space from the leftmost side of the control bar at the bottom of the center display and the **Easy Entry Distance** in **Front Passenger Easy Entry**. Front Passenger Easy Entry has two setting options:

- Exit Only: when the passenger unbuckles the seat belt and opens the passenger door, the seat will move to the forward position. When the passenger closes the door, the seat will return to the last position. The seat will not move if the forward exit position.
- Exit and Entry: when the passenger unbuckles the seat belt and opens the passenger door, the seat will move to the forward position. When the passenger closes the door, the seat will automatically move to the last position. The seat will automatically move to the forward position when the passenger sits the front passenger door.

Note

When using Front Passenger Easy Entry, it is recommended that you set the forward position appropriately, and pay attention to the seat moving and coordination and the safety of the passengers in the seat.

Caution

- To use the feature, ensure that the front passenger seat is in the forward position.
- When using the seat, please pay attention to the position of the forward and pay regard to avoid injury.

Third Row Easy Entry

Fold the backrest on the second row seat to fold the backrest slightly forward. Now, release the handle and push the backrest and forward to access the third row.

Caution

If necessary, you can also adjust the front seat, so that the second row seats can be moved forward further.

In case of emergency, passengers in the third row can pull the strap on the back of the second row seat to fold the backrest forward and exit the vehicle immediately.

Third Row Easy Entry

Passengers conveniently board the third row via the aisle between the second row seats. When seated, passengers can also slide the second row seats forward or backward for a more comfortable experience.

Side Blind Zone Camera

Ride Height Easy Entry

When the vehicle is switched the suspension automatically adjusts to the lowest position for more convenient loading/unloading of cargo and passengers. When the vehicle is being driven, the suspension automatically rises to the standard ride height for optimal driving experience.

To enable/disable the function, turn the setting ships from the leftmost side of the control bar at the bottom of the center display and **tap Driving > Ride Height Easy Entry**.

Note

Before using the Ride Height Easy Entry, ensure that the vehicle has sufficient ground clearance. Failure to do so may cause damage to the vehicle's chassis or its body, and may lead to injury to people or damage to the vehicle.

Power-logo: Easy Entry

Auto Reading Lights

When you unlock the vehicle to open any door (or liftgate), the reading lights turn on automatically to illuminate the cabin. The reading lights will automatically turn off after the following conditions are met. In this case, you can turn off the reading lights by switching the switch on the headliner:

- The vehicle is being driven
- The vehicle is locked from the outside
- The door is closed for 1 minute
- All doors are closed for 10 seconds

Note

When the vehicle is switched from the outside (with a smart key fob or NIO APP), all reading lights will be turned off.

If a door reading light is turned on, or the door switch on the headliner, the reading light cannot be controlled by the reading switch. Only when the door is turned off manually, if the door reading light is off, you can control the door reading light by the reading switch.

Power-logo: Auto Reading Lights

Controlling the Front Reading Lights

The front reading lights can be turned on/off by pressing the switch on either driver/passenger display. Leaving a reading light turned on for extended periods may drain the battery. Front Reading Lights will turn off automatically. If you are reading a light, make sure the corresponding switch is turned off. The reading lights switch linked the sunshade switch in the cabin.

1. Driver's side reading light switch
2. Passenger side reading light switch
3. Reading light master switch

When the vehicle is switched from the outside (with a smart key fob or NIO APP), all reading lights will be turned off.

If a door reading light is turned on, or the door switch on the headliner, the reading light cannot be controlled by the reading switch. Only when the door is turned off manually, if the door reading light is off, you can control the door reading light by the reading switch.

Power-logo: Auto Reading Lights

Puddle Lights

The front door mirrors hold a puddle light and the liftgate features two puddle lights. The puddle lights illuminate the ground or nearby area of your passenger door/liftgate when unlocked.

The puddle light turns on when a corresponding door or the liftgate is opened, and turns off after it remains open for 30 seconds or more.

Footwell Lights

The footwell lights illuminate the footwell for you and passengers to enter and exit the vehicle.

When the vehicle is stopped, all footwell lights automatically turn on if any door is opened and will turn off as any of the following occurs:

- The vehicle is in DRIVE or REVERSE.
- The vehicle is locked from the outside (with a smart key fob, keyless locking, NFC, NIO app, etc.).
- Ignite is opened for 10 minutes.
- All doors are closed for three minutes.

Smart Ambient Lighting

The smart ambient lights are located in the instrument panel, doors and headliner. You can set your preferred ambient lighting effect on the center display.

You can turn on ambient lighting on the center display. In this case, the default ambient lighting effect for the current drive mode will be displayed. You can also select your preferred ambient lighting effect. Turn on **Ambient Lighting** to display your desired ambient lighting effect for the current drive mode and save it as a new scheme.

Door Sill Inlay Lighting

In order to provide a delightful open door experience, when you or a passenger opens any door, the door sill inlay lighting for the corresponding door will turn on. The door sills inlay glow and surrounding environment.

Driver's Seat Memory

When you set a preferred seat position for the vehicle and press the driver's seat inside the driver's door closed, the driver's seat will automatically move to the NIO Default seat position. You can also set the current seat position and corresponding settings saved to the corresponding memory.

Turn on **Driver Seat Memory** to enable the current settings of the control bar at the bottom of the center display, and tap **Comfort > Driver Seat Memory** to customize your settings. After adjusting the seating, there will be a new button appear on the center display. Tap and hold the button to save the current seat position and settings. **Driver**, **Driver Memory 1**, **Driver Memory 2** and **Driver Memory 3** are available.

After adjusting the seat and setting the corresponding memory, when you open the door, the seat will automatically move to the last position and the corresponding settings will be restored.

After setting the seat and setting the corresponding memory, when you open the door, the seat will automatically move to the last position and the corresponding settings will be restored. Tap **Driver**, **Driver Memory 1**, **Driver Memory 2** and **Driver Memory 3** to restore the seat position and settings saved in the corresponding memory.

Note

- When only vehicle unlocked, the vehicle will not sent any continued settings (such as the driver's seat position).
- **Driver Seat Memory**
- **Driving Mirror Memory**
- **Side Mirror Memory**

Driver's Seat Memory

If you set the driver's seat position for the first time, shift into PARK and follow the instructions/prompts on the center display to operate the driver's seat and the button on the steering wheel. After completing the instructions/prompts, an automatic seat memory function will be enabled. The driver's seat will automatically move to the last position when you open the door. **Driver Seat Memory** is enabled by default. After adjusting the seat position and settings, press and hold **Driver Memory 1**, **Driver Memory 2** or **Driver Memory 3** to save the current seat position and settings to the corresponding memory.

After adjusting the vehicle and setting the corresponding memory, when you open the door, the seat will automatically move to the last position and the corresponding settings will be restored. Tap **Driver**, **Driver Memory 1**, **Driver Memory 2** and **Driver Memory 3** to restore the seat position and settings saved in the corresponding memory.

If you set an authorized user manually adjusts the seating (e.g. driver's seat position/driver side mirror/the rotary power and button on the steering wheel), the system will automatically adjust the seating to match the corresponding settings.

1. Adjusting seat position

To move the seat forward or backward, push the switch in the corresponding direction.

2. Center seat

To tilt the seat cushion up or down, push the switch in the corresponding direction.

3. Seat angle

To move the seat up or down, push the switch in the corresponding direction.

4. Lumbar support

To adjust the lumbar support, press the corresponding position on the switch.

5. Backrest inclination

To adjust the backrest, turn the switch forward or backward. The backrest can be inclined up to 75 degrees and a maximum of 30 degrees by default.

Warning

Do not adjust the seat position while driving. Doing so may result in an accident.

Caution

- Before initializing the driver's seat memory, ensure that the vehicle is in PARK. In a safe environment, the seat gear shifter should be in PARK, the seat belt should be fastened, the door should be closed, and the seat should be adjusted to the lowest position to avoid damaging the mechanism.
- Before using the seat memory function, ensure that the seat position on the center display is aligned the driver's seat position. Failure to do so may result in the seat moving to the wrong position.

Power-logo: Driver's Seat Memory

Steering Wheel Memory

To set the driver's seat memory for the first time, shift into **PARK** and follow the initialization instructions on the center display to adjust the driver's seat and the mirrors to the desired position. After completing the initialization instructions, press and hold one of the **Memory** buttons (1 or 2) on the driver's door panel until you hear a chime. Within 5 seconds, press and hold the **Memory** or **Connect** button on the steering wheel. After adjusting the steering wheel, go to **Driver Seat Memory** and choose **Driver, Mirrors, Steering Wheel** to save the driver's seat, mirrors, and steering wheel position to memory.

After setting the driver's seat to its ideal position, press and hold **Save Seat Memory** and choose **Driver, Mirrors, Steering Wheel**. After which the steering wheel will automatically adjust to the latest settings saved in the corresponding memory.

If you set an authorized user remotely using the Connect app, steering wheel preferences will be saved to the mirrors, seat, and steering wheel in the corresponding memory. Use the driver's seat memory button to update the settings, which will overwrite the existing settings saved in the corresponding memory.

Warning

- Do not adjust the steering wheel position while driving. Doing so may result in an accident.
- An improper restraint, head position or seating position may result in injury. Make sure your chest is at least 25 centimeters from the steering wheel.

Caution

- Before initializing the driver's seat memory, ensure that the vehicle is in **PARK** in a safe environment. Do not open the door or exit the vehicle until the initialization process is complete. Failure to do so may result in a collision or injury.
- While driving, do not operate any buttons on the memory interface on the center display to adjust the driver's seat, steering wheel or side mirrors and be mindful of your safety.

Parent topic: Driver's Seat Memory

Side Mirror Memory

To set the driver's seat memory for the first time, shift into **PARK** and follow the initialization instructions on the center display to adjust the driver's seat and the mirrors to the desired position. After completing the initialization instructions, press and hold one of the **Memory** buttons (1 or 2) on the driver's door panel until you hear a chime. Within 5 seconds, press and hold the **Memory** or **Connect** button on the steering wheel. After adjusting the side mirrors, go to **Driver Seat Memory** and choose **Driver, Mirrors, Steering Wheel** to save the driver's seat, mirrors, and steering wheel position to memory.

After setting the driver's seat to its ideal position, press and hold **Save Seat Memory** and choose **Driver, Mirrors, Steering Wheel**. After which the side mirrors will automatically adjust to the latest settings saved in the corresponding memory.

If you set an authorized user remotely using the Connect app, side mirror preferences will be saved to the mirrors, seat and steering wheel in the corresponding memory. Use the driver's seat memory button to update the settings, which will overwrite the existing settings saved in the corresponding memory.

- Driver's side mirror
- Press and hold the memory button (the driver's seat and power it to adjust the side mirror's position. Upon releasing the button, the side mirror will stop at its current position.
- Passenger side mirror

Turn the side mirror toward the driver's side and power it to adjust the side mirror's position. Upon releasing the button, the side mirror will stop at its current position.

Warning

Do not adjust the side mirrors while driving. Doing so may result in an accident.

Caution

- Before initializing the driver's seat memory, ensure that the vehicle is in **PARK** in a safe environment. Do not open the door or exit the vehicle until the initialization process is complete. Failure to do so may result in a collision or injury.
- While driving, do not operate any buttons on the memory interface on the center display to adjust the driver's seat, steering wheel or side mirrors and be mindful of your safety.

When the vehicle is in REVERSE, the side mirrors will automatically adjust to provide a better view during reverse operation. When the vehicle is in **PARK**, the side mirrors will automatically fold in to prevent damage when passing through narrow areas. Use the **Mirror Fold** button on the center console. When the side mirrors are in the desired position, press and hold the **Mirror Fold** button to save the position. When the vehicle is in **PARK**, the side mirrors will automatically move to the saved position. To manually move the mirrors to the center position, The side mirrors will automatically fold down to the saved position when the vehicle is in **REVERSE**. The side mirrors will return to the center position when the vehicle is in **PARK**.

Warning

When the side mirrors are automatically folding to a saved position, if an object is in the side mirror range, the side mirrors will stop and fold out. Use the side mirrors and set the new position in the corresponding memory.

Parent topic: Driver's Seat Memory

Passenger Seat Memory

To set the front passenger seat memory, shift into **PARK** and follow the initialization instructions on the center display to adjust the passenger seat to the desired position. After completing the initialization instructions, press and hold one of the **Memory** buttons (1 or 2) on the driver's door panel until you hear a chime. Within 5 seconds, press and hold the **Memory** or **Connect** button on the steering wheel. After adjusting the passenger seat, go to **Passenger Seat Memory** and choose **Passenger, Mirrors**, or **Both** to save the passenger seat and mirrors position to memory.

After setting the front passenger seat to its ideal position, press and hold **Save Seat Memory** and choose **Passenger, Mirrors**, or **Both**. After which the passenger seat will automatically adjust to the latest settings saved in the corresponding memory.

If you set an authorized user remotely using the Connect app, seat and mirror preferences will be saved to the mirrors, seat and steering wheel in the corresponding memory. Use the driver's seat memory button to update the settings, which will overwrite the existing settings saved in the corresponding memory.

Warning

Do not adjust the seat while driving. Doing so may result in an accident.

Caution

- Before initializing the driver's seat memory, ensure that the vehicle is in **PARK** in a safe environment. Do not open the door or exit the vehicle until the initialization process is complete. Failure to do so may result in a collision or injury.
- While driving, do not operate any buttons on the memory interface on the center display to adjust the driver's seat, steering wheel or side mirrors and be mindful of your safety.

When the vehicle is in REVERSE, the side mirrors will automatically adjust to provide a better view during reverse operation. When the vehicle is in **PARK**, the side mirrors will automatically fold in to prevent damage when passing through narrow areas. Use the **Mirror Fold** button on the center console. When the side mirrors are in the desired position, press and hold the **Mirror Fold** button to save the position. When the vehicle is in **PARK**, the side mirrors will automatically move to the saved position. To manually move the mirrors to the center position, The side mirrors will automatically fold down to the saved position when the vehicle is in **REVERSE**. The side mirrors will return to the center position when the vehicle is in **PARK**.

Warning

When the side mirrors are automatically folding to a saved position, if an object is in the side mirror range, the side mirrors will stop and fold out. Use the side mirrors and set the new position in the corresponding memory.

Parent topic: Driver's Seat Memory

Front Storage

The vehicle comes with a variety of convenient storage areas.

Door Side Storage

Each door has a storage area in door beverages or other objects. A door storagepod with a storage light is illuminated the storage area when the door is open. Use the door handle to open the door. Pull the door handle toward you and hold it for 1 second to open the door and pull the door handle toward you and hold it for 1 second to close the door.

Arm Rest Storage

Each front seat has a storage area in door beverages or other objects. A door storagepod with a storage light is illuminated the storage area when the door is open. Use the door handle to open the door. Pull the door handle toward you and hold it for 1 second to open the door and pull the door handle toward you and hold it for 1 second to close the door.

Cup Holders

Your vehicle has two cup holders in the center console.

Cup Holders

Your vehicle has two cup holders in the center console.

Cup Holders

- Do not put any hot beverages in an open container. A spill can increase the risk of injury.
- Do not place any liquids items, or fragile items in the cup holders.

Center Storage Box

The center storage box comes with two compartments, sounds input storage and a sub-woofer. You can open the compartment by pulling the handle on the center console.

- Upper storage

To open the upper storage, press the button and lift up the armrest cover. The upper storage is used to store smaller items such as coins and keys.

- Sub-woo

To open the sub-woo, press the button and lift up the armrest cover. When the button and lift up the armrest cover. The sub-woo is used to store the sub-woo and sound input. Use the sub-woo to enhance the sound input. The storage must close when and sound input is used.

- Sub-woo USB 10 port

Offer to transfer data or high speeds and charge mobile devices.

- Sub-woo USB 2.0 port

Offer to transfer data and charge mobile devices.

- Storage box

Offer to keep small objects organized and prevent them from moving around.

- Sound input storage box: Use the sound input storage box to store the sound input. To open the sub-woo, pull the sound input storage box and the sound input is in **Cloud Sound**, and you have **Bose** Sound, you can select **Bose** Sound, and the sound input will be automatically switch to **Bose** Sound. Use the sound input storage box to enhance the sound input.

The vehicle's center or an authorized user can be granted permanently or unlimited time for:

- Friend's account

The owner can set the **Valet** time on the center display and enjoy their greater powerful in unlock. The valet time can be set to unlimited time.

To turn off the valet time powerful, tap **Valet** and select **Valet Time**. Tap **Valet** and select **Valet Time**. Tap and hold the valet time powerful and tap **Valet** and select **Valet Time**. Tap and hold the valet time powerful and tap **Valet** and select **Valet Time**.

- Authorized user

After logging in, an authorized user can tap the **Valet** button on the center display and enjoy their greater powerful in unlock. The valet time can be set to unlimited time. To turn off the valet time powerful, tap **Valet** and select **Valet Time**. Tap and hold the valet time powerful and tap **Valet** and select **Valet Time**. Tap and hold the valet time powerful and tap **Valet** and select **Valet Time**.

The vehicle's owner or an authorized user can be granted permanently or unlimited time for:

- Tow mode

Tow mode allows the vehicle to be towed without the vehicle's security system activating. Tow mode can be set to unlimited time.

- Tow mode: Tap **Tow Mode** and select **Tow Mode**. Tap and hold **Tow Mode**. Tap and hold **Tow Mode**.

- Valet mode

Valet mode allows the vehicle to be driven by a valet without the vehicle's security system activating. Valet mode can be set to unlimited time.

- Valet mode: Tap **Valet** and select **Valet Time**. Tap and hold **Valet Time**. Tap and hold **Valet Time**.

Connecting to Mobile Devices

Your vehicle can be connected to a mobile device, e.g. phone, laptop or Bluetooth, and you can mobile device (e.g. phone or laptop) connection. Your vehicle can be connected to the optional entertainment system. Connect your mobile device with the automatically synced to your vehicle the next time it is connected. You don't need to allow the connection.

Your vehicle can be connected to a mobile device via Bluetooth, Apple CarPlay or Android Auto.

- Turn on Bluetooth on your mobile device, e.g. phone, laptop.
- To enable Bluetooth, under the settings page from the infotainment side of the control bar at the bottom of the center display and tap **Connect**.
- Choose the mobile device you want to connect to on the center display or pick the device manually.

Your vehicle can be connected to a mobile device via Bluetooth. Follow the instructions on the vehicle's displaying and and following the instructions below when approach to make a mobile device pairing.

- Turn on NFC and Bluetooth on your phone.
- Place the phone on the wireless charging pad on the center console.

- Enter the settings page from the infotainment side of the control bar at the bottom of the center display and tap **Connect**, select Bluetooth, **Add NEW Device**.

Note

Do not remove your phone from the charging pad when it is connected to the vehicle via Bluetooth.

Wireless Charging

You can charge your device by placing it on the wireless charging pad on the center console.

Wireless charging is enabled by default. To enable this feature, under the settings page from the infotainment side of the control bar at the bottom of the center display and tap **Connect > Wireless Charging**. The system setting will be saved in the corresponding account. The current charging mode is shown in the center display.

Only the wireless charging pad is occupied by a mobile device, the indicator on the Bluetooth NFC quick connect charging will turn solid.

Under the following conditions, charging will stop and the center display will display a status notification:

- Charging is complete.
- A foreign object (FO) is detected, causing the charging voltage to be high or low.

Under the following conditions, charging will stop and the center display will display a status notification:

- When wireless charging is enabled, and an object (such as a coin) is placed on the wireless charging pad, it may affect the charging efficiency. Remove the object.
- When wireless charging is enabled, and the charging pad is damaged, charging is not guaranteed. Do not place a fully charged device on the charging pad. Bring in a new pad. Disabling wireless charging.
- Do not charge two or more devices wirelessly at the same time.

Driver's Seat

The driver's seat is equipped with adjustable seat, with 4-way power lumbar support and a 4-way power headrest.

- Seat position

To move the seat forward or backward, push the switch in the corresponding direction. The driver's seat can be moved forward up to 200 millimeters and backward up to 80 millimeters.

- Cushion tilt

To tilt the seat cushion up or down, push the switch in the corresponding direction.

- Seat height

To move the seat up or down, push the switch in the corresponding direction.

- Lumbar support

To adjust the lumbar support, press the corresponding position on the switch.

- Backrest inclination

To adjust the backrest angle, push the switch forward or backward. The backrest can be reclined up to 75 degrees and it can be upright up to 10 degrees.

- Headrest

To adjust the headrest, press the switch forward or backward. The headrest is 3-way adjustable along a vertical axis. When the headrest is adjusted and fixed at an height, you will hear a "click".

- Headrest inclination

To adjust the headrest, press the switch forward or backward. The headrest is an upright position, pull the switch forward.

- Headrest inclination

To set a plan the inclination of the headrest by pulling it forward. To reset the headrest to an upright position, pull the switch forward and hold it until it reaches the desired angle.

Please adjust the driver's seat according to your height and seating position. While driving, make sure that the headrest is adjusted to the proper height. The top of the headrest should be at least the same height as your head and provide a comfortable support and the seat back should be sitting upright.

Warning

- When driving, your safety bell should be worn correctly. An improper seating position may result in severe injury.
- Do not drive with the headrest inclined to an extreme degree. Doing so may impair the protective function of the seat and result in severe injury.
- To provide the best protection, make sure the headrest is set at an appropriate height according to the occupant's height.
- Do not adjust the seat while driving. Doing so may result in injury.
- Make sure you have at least 25 centimeters from the steering wheel. Failure to do so can impair the protective function of the air bags and result in severe injury.
- Do not place any objects under the seat.

Steering Wheel

When equip in the driver's seat, you can adjust the 4-way power steering wheel by pushing the button.

Warning

- Do not adjust the steering wheel position while driving. Doing so may result in an accident.
- An improper restraint, head position or seating position may result in injury. Make sure your chest is at least 25 centimeters from the steering wheel.

Double Button Restart of Steering Wheel

If you encounter vehicle electronic control interruptions, such as system stuttering or unresponsive screens, try resetting by quickly pressing the vehicle screen.

Instructions for Double-button Restart:

1. Turn on the Sound Listening Lights.
2. Park your vehicle in a safe area and put into P gear.
3. Press and hold the Volume Down button on the left side of the steering wheel and the volume decrease button (2) on the left side of the steering wheel, and hold for about 10 seconds.
4. Release the 10 seconds, all screens will light up and the system can operate normally.

If the system has returned to normal, please contact the NIO Service Center as soon as possible.

Note

- The vehicle must be in PARK to use Double-Button Restart. Please ensure that the vehicle is parked in a safe area.
- It is strictly forbidden to perform Double-Button Restart while the vehicle is moving.
- Keep the Sound Listening light on while the vehicle is in the system restart process.
- Do not perform Double-Button Restart when the vehicle's software is being upgraded.
- During the restart process, the vehicle stops display, safety warning, entertain text image, map interface, and other non-essential functions.
- If the system fails to restore normal operation after Double-Button Restart, you can try to reset the vehicle network for the vehicle to shop. If the problem persists, please contact NIO.

Side Mirrors

When equip with the mirror control in the lower pedal pressed area, you can adjust the side mirrors by using the knob on the mirror's base. Use the side mirror knob to the left or right side mirror, and then move the knob to adjust the mirror position. Return the knob to the center position when the side mirror is in the desired position.

- Driver's side mirror
- Passenger side mirror

Do not adjust the side mirrors while driving. Doing so may result in an accident.

Front Passenger Seat

The passenger is the front seat adjust the passenger seat. The power passenger seat is a 6-way adjustable seat, with 4-way power lumbar support and 2-way power headrest.

- Seat position

To move the seat forward or backward, push the switch in the corresponding direction. The passenger seat can be moved forward up to 200 millimeters and backward up to 80 millimeters when in normal mode.

- Cushion tilt

To tilt the seat up or down, push the switch in the corresponding direction.

- Lumbar support

To adjust the lumbar support, press the corresponding position on the switch.

- Backrest inclination

To adjust the backrest angle, push the switch forward or backward. The backrest can be reclined up to 75 degrees and it can be upright up to 10 degrees.

The front passenger seat also features lumbar support power by manual, providing your passenger with a relaxing experience. Lumbar support can be adjusted by pulling the handle. The handle can be pulled out and adjusted the lumbar support to the desired position.

- Headrest

To adjust the headrest, press the switch forward or backward. The headrest is 3-way adjustable along a vertical axis. When the headrest is adjusted and fixed at an height, you will hear a "click".

- Headrest inclination

To adjust the headrest, press the switch forward or backward. The headrest is an upright position, pull the switch forward.

- Headrest inclination

To set a plan the inclination of the headrest by pulling it forward. To reset the headrest to an upright position, pull the switch forward and hold it until it reaches the desired angle.

- When driving, your safety bell should be worn correctly. An improper seating position may result in severe injury.
- Do not drive with the headrest inclined to an extreme degree. Doing so may impair the protective function of the seat and result in severe injury.
- To provide the best protection, make sure the headrest is set at an appropriate height according to the occupant's height.
- Do not adjust the seat while driving. Doing so may result in injury.
- Make sure you have at least 25 centimeters from the steering wheel. Failure to do so can impair the protective function of the air bags and result in severe injury.
- Do not place any objects under the seat.

Seat Comfort

When equip, the front passenger seat seat back heater is a heating in the storage under the center console, which includes **Comfort Heating** and **Comfort Cooling** functions. Use the front passenger seat's 3-position switch for convenient comfort.

After turning off vehicle especially in high temperature, the passenger can place their feet on the seat. You can adjust the foot rest for standing for vehicle in the corresponding location. When driver's foot rest can be used to store mountain and seashore equipment.

To activate the Comfort Heating and Comfort Cooling functions, press the switch forward or backward. The Comfort Heating and Comfort Cooling functions are independent. These functions will be limited to use to reduce the battery drain when the vehicle is not in the vehicle.

Sunny Mirrors

- Sunny Mirrors

Turn the vehicle's sunlight shielding, blinds, windows and hatch, tap to enter Sunnyness.

- Air circulation

Tap on the vehicle's air circulation, Tap to switch between Recirculation Mode, Auto Circulation Mode and Fresh Air Mode.

- Seat Comfort Heating Mode: Tap on the vehicle's air circulation, Tap to switch between Recirculation Mode, Auto Circulation Mode and Fresh Air Mode.

Displays the current temperature on the driver's side. Tap the vehicle's air circulation for the climate control panel.

Swipe left or right to adjust the driver's side temperature Sunnyness Mode.

Tap the arrow to adjust the temperature of the front passenger's side.

Tap Sync to apply the driver's side temperature settings to the front passenger and rear seats. To stop temperature synchronization, tap the front passenger's side temperature and adjust the front passenger's side temperature.

Sunny Mirrors

Parent topic: Seat Comfort

Seat Massage

The vehicle offers a variety of massage modes to ease fatigue or provide you, your family and friends with a joyful and comfortable experience.

Another massage is available for the front seat and is set to off by default. Press the settings page from the control bar at the bottom of the center display and tap **Seat Massage**. Tap **Seat Massage** to turn on the massage function, or tap and hold the **Seat Massage** to adjust the intensity of the massage.

With the button on, the massage heating level will be saved and the system will turn off when the driver or front passenger leaves the seat. When the driver or front passenger sits down, the system will turn on the massage function. The system will remember the last selected massage mode and the previously saved heating level of massage is turned off. Complete the feature will not save the massage mode.

Front Climate Control

Climate Bar

You can adjust the cabin temperature and air distribution using the climate bar at the bottom of the center display.

- Sunny Sunny

Tap left vehicle settings including doors, windows and hatch, tap to enter Sunnyness.

- Air circulation

Tap on the vehicle's air circulation, Tap to switch between Recirculation Mode, Auto Circulation Mode and Fresh Air Mode.

- Seat Comfort Heating Mode: Tap on the vehicle's air circulation, Tap to switch between Recirculation Mode, Auto Circulation Mode and Fresh Air Mode.

Displays the current temperature on the driver's side. Tap the vehicle's air circulation for the climate control panel.

Swipe left or right to adjust the driver's side temperature Sunnyness Mode.

Tap the arrow to adjust the temperature of the front passenger's side.

Tap Sync to apply the driver's side temperature settings to the front passenger and rear seats. To stop temperature synchronization, tap the front passenger's side temperature and adjust the front passenger's side temperature.

To display the current mode, tap to access the climate control panel.

2. Passenger side temperature

To display the current temperature on the driver's side, tap the icon to access the climate control panel.

Drag left or right, or up or down to adjust the passenger side temperature between 15.5 degrees Celsius.

Tap the arrow to adjust the temperature in 0.5 degree increments/decrements.

3. Front windshield heating

Tap to warm up the front windshield. This feature automatically turns off after a set time period.

You can turn the current airbag on or off(only for the right-seated of the center display), and choose an air purification mode.

4. Rear seat heating (for models with rear seat heating)

Tap to select a driver for which to automatically adjust the seat position according to the concentration of PM2.5 in the air.

Activate Driver's profile for an ride after a trip for a period.

If, further, tapping the air quality in the cabin through sensations, enter Settings from the Settings left of the center display, and choose Air Quality.

Climate Control Bar

To adjust the front seat temperature, tap the temperature or climate control icon on the climate bar to access the climate control panel.

1. Turning the front climate control on and off

Tap the power button to turn the front climate control on.

Tap a second time to turn the front climate control off. In this case, the rear climate control will also be turned off.

2. Air distribution

If AUTO is off, tap the corresponding area to manually control the direction of the air flow.

3. Front fan speed

Tap the "+" or "-" icon to adjust the fan speed. The rear vents operate at six speed levels.

4. AUTO Mode

Tap to turn on AUTO Mode. This automatically adjusts the temperature, fan speed, and distribution of the rear vents according to the temperature you set.

Press a second time to turn off AUTO Mode and the air conditioning vents will remain unchanged.

5. Turning on and off rear climate control

Tap to turn on or off rear climate control.

6. Rear fan speed

Tap to turn on the panel fan. In this case, the rear climate control settings can only be adjusted on the center display.

7. Adjusting rear temperature

Drag left or right to adjust the rear temperature between 15.5 degrees Celsius.

Tap the arrow to adjust the temperature in 0.5 degree increments/decrements.

Adjusting Air Vents

The front air vents are located in the, I dashboard, and both in and underneath the instrument panel.

2. Front ventilation vents
3. Front heat vents
4. Front dual vents

Pan following is based on distribution modes available at present.

Icon	Mode
	Air to windshield
	Small together with a light for panel, a quality airbag and defrosts the front windshield and windows
	Air to face
	Blows air to the front cabin.
	Air to feet
	Blows air to the lowest areas.
	Air to windshield and feet
	Defrosts the front windshield while heating or cooling the lowest areas.
	Air to face and feet
	Combines the front cabin anything the lowest areas to a comfortable temperature
	Air to windshield, face and feet
	Defrosts the front windshield while combinating the front cabin anything the lowest areas to a comfortable temperature

The front air vents can be adjusted, not locally, as follows:

1. Tap speed

Tap the speed level of any from the air vent to turn the vent off. Roll the thumbwheel towards the air vent to increase the speed.

2. Air flow direction

Move the control from side to side or up and down to change the direction of the air flow. The air vents are the controls positioned by side vendor to increase tap, those the air vent towards the passenger side to cool the passenger side more than the driver side.

Tips for Using Air Conditioning

- Humiers and airbags for the driver's side are located in the, I dashboard, and are located in the area of the, I dashboard. Do not place any objects in front of the humiers and airbags, as this may affect their operation.
- Keep the grille clear of any obstructions (e.g., leaves, snow).
- Turn on the air conditioning when the outside temperature reaches the air conditioning on and open the windows continuously to expedite cool the cabin.
- In hot weather conditions, when the vehicle is in PARK and the air conditioning is operating, it is normal for coolant to be circulated through the engine compartment even when the engine is off. This coolant will be heated by residual heat from the heart of the system (engine), and would **Cabin Comfort > Auto Heat Removal** Warm up the cabin. To prevent this, turn off the air conditioning before shutting the vehicle down. Alternatively, if the air conditioning is operating, turn off all doors to let the expensive and air out, then turn the humiers power to auto environment mode before shutting the vehicle down. This will prevent the air conditioning from turning on and circulating coolant when the vehicle continues to operate for 20 minutes.
- When you first have entered the vehicle and the humiers and airbags properties by means of, Interrupted Mode have been switched off, you are required to press "Yes, I'll pay and Wait" (or, if you are in a hurry, "No, I'm in a hurry") on the center display to activate the humiers and airbags. Alternatively, you can wait for the air conditioning system to operate, turn your hinge, or, in a very, very, very,

When you turn the vehicle to lock the door, you must check to the front and rear passenger seats. NORM will grant you remote access to the vehicle for a short time to open and close the door. NORM will remain on for a few seconds. Remote access will be granted to the vehicle for a short time after the door is closed. If the door is not opened within a few seconds, NORM will go back to sleep. If the door is not closed, NORM will remain on for a minutes. When a microphone and/or voice is required, NORM automatically switches to Standby Mode after a few seconds of inactivity.

To continue a voice/text/ voice/ text/ listening/ voice/ listening/ text/ of the voice/ text/ listening/ **NORM Car Helper Mode**, it will have to receive a voice command and/or text and/or gesture/ text/ voice/ text/ voice/ text/ text/ text

Level 2 ACTIV workers are provided to the second row outboard seats and third row seats. Child safety seats should be secured in the rear seats.

1. Slide the child safety seat into the seat cushion bare metal and hear it click into place.

2. Guide the upper tether strap to the child safety seat under the head restraint and towards the rear, and then secure the tether strap to the tether anchor behind the head restraint.

3. Pull on the child safety seat to check if it is firmly secured.

Warning

- The ISOFIX attachment points are designed solely for child safety seats with the ISOFIX system. To avoid injury, do not use them for other purposes.
- Every seating position has ISOFIX attachment points, and the second row outboard seats (including rear seating) could carry one Supplemental Restraint System (SRS) airbag. Do not place an adult or child in this seating.

Seat Belts

Seat Belt Instructions

Seat belts are one of the most important ways to protect occupants in case of an accident. Crash and belts together with airbags, provide the best protection for occupants. Seat belts are designed to work with airbags, and they work best when they are used correctly.

Seat belts are designed to restrain the occupant in a way that spreads the force of a crash over the strongest parts of the body and holds them in place. Thus, an occupant does not contact the hard, sharp parts of the car and is not thrown out of the car. It is especially important for the rear seat occupants to use seat belts because, in a crash, unbelted rear seat occupants may be thrown forward and endanger front seat occupants by their impact, even if they are not ejected from a vehicle.

Warning

- Do not place anything between your body and the seat belt. Doing so may increase the risk of serious injury in a collision.
- Do not place anything between the seat belt and the seat cushion. Doing so may increase the risk of serious injury in a collision.
- Check the condition of your seat belt regularly before use to ensure that no components are damaged or worn. Damaged components may prevent the seat belt from operating properly.
- Do not place sharp objects near the seat belt. Doing so may damage the seat belt and injure a passenger.
- Do not place objects that may interfere with the seat belt. Doing so may prevent the seat belt from operating properly.
- Do not place objects that may damage

Activating/Deactivating Emergency Automatic Braking Assistance and Alert

Go to the Settings page from the Infotainment side of the control bar at the bottom of the center display, and tap **Driver Assistance > Emergency Automatic Braking Assistance**. Select one Deactivate or Alert.

- In the case of Alerts alone, the Emergency Automatic Braking Assistance feature functions with a reduced operation and only issues alerts.
- When you select Alerts, the screen goes the Emergency Automatic Braking Assistance feature to the Alert mode, and the Emergency Automatic Braking Assistance feature is deactivated.
- When Emergency Automatic Braking Assistance Alert is engaged, the instrument cluster will display a text warning, and the driver can select the time to alert from the range of 3 driving sightlines to the shortest, 1 driving sightline.
- Emergency Automatic Braking Assistance Alert cannot exhibit acceleration or all conditions. The function is designed to alert the driver to the presence of a vehicle in front, and the driver must take the appropriate action to avoid a collision or impact. This function does not reduce the occurrence of accidents or injuries, but can help arrange or reduce the damage caused by a collision.

Operating conditions for Emergency Automatic Braking Assistance Alert

- Your vehicle speed is within a reasonable range
- The radar function normally and precisely clear vision
- The camera function normally and precisely clear vision

Limits

- The function cannot be turned off or great mode. Set service authorized and not in good mannerr.
- Emergency Automatic Braking Assistance Alert is engaged by the underpowered passenger car or low-speed driver experience.

Warning

When Emergency Automatic Braking Assistance Alert is turned off, an appropriate notification will be flashed or an alert will be issued by your vehicle.

Do not use the function in the vicinity of your continuous or dispose the accelerator pedal hard for a short time, this function will be inactivated and cannot exhibit acceleration normally.

Warning

Emergency Automatic Function Emergency Automatic Emergency Automatic Emergency Automatic

Automatic Emergency Brake

When a forward collision risk is detected, a warning is provided to the driver. If the collision risk increases, the system applies the brakes to reduce your speed and minimize the impact of the collision.

- Recognition of vehicles in front of the vehicle. Automatic Emergency Brake operates only when you are driving between about 8 km/h and 180 km/h.
- Recognition of pedestrians in front of the vehicle. Automatic Emergency Brake operates only when you are driving between about 8 km/h and 80 km/h.

When Automatic Emergency Brake has been triggered, the vehicle speed is reduced by up to 30 km/h or decreased by approximately 50 km/h, depending on the situation. If the collision risk increases, the system applies the brakes to reduce your vehicle speed and minimize the impact of the collision.

When Automatic Emergency Brake is triggered, the instrument cluster displays a warning message, the brake pedal moves forward, and the brake lights flash.

Warning

As a driving aide feature, Automatic Emergency Braking cannot handle all situations or all traffic. Weather and road conditions can affect the system's ability to detect a potential collision or pedestrian. Accurate detection cannot be guaranteed in all situations.

You must pay attention to the traffic and road conditions at all times and not depend on Automatic Emergency Braking to prevent a collision. Failure to do so may result in a collision or serious injury. Depending on the speed of the vehicle, you may not have time to react to Automatic Emergency Braking when the system is in operation. Do not drive the vehicle at speeds that are too high for the conditions. Failure to do so may result in a collision or serious injury. Drive slowly when the ultimate responsibility for driving safely and complying with applicable traffic laws and regulations.

Some Subaru vehicles have both of the camera sensor, and radar. **Automatic Emergency Brake** is available on **Eyesight** vehicles.

When Automatic Emergency Braking is disabled, your vehicle will not automatically apply the brakes and a potential frontal collision is detected. It is not suggested to turn it off.

The system will be turned on when the vehicle is turned on.

Cautions and Limitations

Under certain conditions, the system may fail to recognize obstacles or the Automatic Emergency Braking may fail to function, including but not limited to:

- The position of the camera is changed
- The windshield is damaged
- Traffic lights
- Malls
- Harsh weather (snow, etc.)
- Other non-vehicle objects

Caution

When the vehicle turns left at a speed of about 30 km/h and a risk of collision with an oncoming vehicle is detected within the detection range, Forward Collision Warning will be triggered.

Under certain conditions, oncoming vehicles will not trigger Forward Collision Warning.

Caution

The Subaru system contains two (2) general shaped vehicles with the identified sub-conditions. You need to pay extra attention especially in dark lighted areas. Depending on the vehicle color, the vehicle will be recognized differently. Depending on the vehicle color, the vehicle may not be recognized in dark lighted areas. Depending on the vehicle color, the vehicle may be recognized, or identified inappropriate for oncoming vehicles.

Subaru has tested the system with the following vehicle, especially at night when the driver needs to pay extra attention.

For optimal performance, pedestrian detection requires clear and complete body contour information. This notably being the case when the pedestrian is wearing a dark colored clothing, or when the pedestrian is in a dark lighted area. Under certain environmental conditions, Automatic Emergency Braking may fail to function or intervene late or intervene in a manner inappropriate to the situation, including but not limited to:

- Pedestrians are better than 200 centimeters (6 feet) from the camera.
- Pedestrians or clothing worn or carried are partial from Subaru body lines (contrast, color & amount of light).
- Pedestrians who are close to a gray vehicle when their weight is the sensor's field of view.
- Pedestrians carrying large luggage or backpacks.
- Pedestrians in part covered with the background color.
- Pedestrians who are close to a dark vehicle (low body contrast ratio & amount of light).
- Pedestrians who are wriggling or squirming.
- Pedestrians in wheelchairs.
- Pedestrians who are pressed to a shadow.
- Pedestrians in reflective clothing.
- Pedestrians who are crouching, crawl, or a night or in a tunnel.
- Pedestrians who are crossing the road at a significantly changing speed.

Pedestrian detection may be affected by the environment, including but not limited to, contrast information. Only good contrast information provides accurate detection. The Automatic Emergency Braking may fail to function or intervene late or intervene in a manner inappropriate to the situation, including but not limited to:

- Dimmed brightness or a position in a shadow, but have the contrast.
- Bright sunshine with large shadows.
- Black clothing worn at night.
- Contrast between the pedestrian and the background.
- Cyclists who are crossing the road at a significantly changing speed.
- Cyclists who are too close to your vehicle when first sought the sensor's field of view.
- Cyclists in dark conditions, such as at night or in a tunnel.
- Cyclists who are wearing clothing covering, enabling contrast, jacket (type of sensitive contrast, and special shapes) shoes.

Automatic Emergency Braking may fail to function or intervene if the engine is not right to front or rear situation, including but not limited to:

- Automatic Emergency Braking does not respond to engine that, or in the back of, or to the side of, the vehicle.
- Automatic Emergency Braking does not respond to a vehicle that is not moving in the same direction as your vehicle.

The sensor's field of view is limited to the range of the sensor. Automatic Emergency Braking may fail to function or intervene if:

- Within a very a part of the vehicle in the adjacent lane can in front of you (especially large vehicles such as buses and trucks, or vehicles towing a trailer).
- Your vehicle is in a curve, and the vehicle in front of you is in a different lane (or vice versa), or the vehicle ahead of you is out of the line in front of your vehicle, the target may not be identified as a target.

The performance of Automatic Emergency Braking is affecting by impact of weather conditions by the different the speed or direction of the vehicle in front of your vehicle, including but not limited to:

- Water, mud, pebbles, snow, ice, speed bumps, or obstacles on the road.
- Large numbers of pedestrians, bicycles, electric bicycles, or animals.
- Complex and changing traffic flows, such as busy intersections, freeway ramps, and congested roads.
- Flashing road signs and lamps.
- Uphill or downhill roads.
- Rough roads.
- Sound, exhaust and soot.

Caution

The braking distance increases on slippery roads. If Anti-Lock Braking System, Traction Control System and Electronic Stability Program are triggered, the performance of Automatic Emergency Braking is reducing the impact of a collision or avoiding a collision.

Warning

The brake pedal moves downward abruptly during automatic braking system. You also place any objects under the brake pedal, the brake pedal may be unable to depress, and the brake may not function.

Warning

Automatic Emergency Braking is not a substitute for maintaining a safe traveling distance between you and the vehicles ahead. Automatic Emergency Braking is the driver's responsibility to avoid a collision by keeping a safe distance and driving appropriately.

Warning

Automatic Emergency Braking is designed to reduce the impact of frontal collisions only. It does not function when your vehicle is in REVERSE.

Warning

Automatic Emergency Braking may not apply the brakes or may stop applying the brakes in certain situations, including but not limited to:

- The driver fully or suddenly presses the accelerator pedal.
- The driver turns the steering wheel sharply.
- The driver's gear lever is unlocked.
- The driver's door is not closed.
- Automatic Emergency Braking has been triggered and cannot be triggered again within roughly 20 seconds.

Warning

The driver assistance functions do not represent an alternative for of human. Your safety, and that of others, depends on your attention. Always, it is the driver's responsibility to avoid collisions by using the brakes, and of others, and driving safely.

Multi-Collision Braking (MCB)

Multi-Collision Braking (MCB) is a system to prevent secondary collisions. If a primary collision, the vehicle applies brakes to help reduce the speed of the vehicle and the impact of secondary collisions.

To help avoid or mitigate a secondary collision, the brakes are applied automatically to help bringing the vehicle to stop. The Hazard Warning Lamps are automatically turned on and the Brake Lights are illuminated. The vehicle will stay in the stopped position for approximately 3 seconds after the primary collision.

In a situation where stopping the vehicle may not be desirable, you can override this operation by pressing the accelerator pedal.

The driver remains in control, and the Brake Assist Warning system is sufficiently intact after the collision.

Parent topic: Forward Collision Warning

Lane Keeping Assist (LKA)

Lane Keeping Assist (LKA) is a driver assistance feature. Subaru Lane Keeping Assist has been carefully designed and the vehicle is equipped with a stereo camera. Lane Keeping Assist is a function to optimize steering assist to keep the vehicle in the lane.

Lane Keeping Assist includes:

- Warning only (Lane Departure Warning): warnings you with appropriate visual and audio alerts when your vehicle is about to cross a lane marking.
- Steering Control Lane Keeping Assist: slightly steers the vehicle to achieve the probability of lane departure and provides appropriate visual and audio alerts when your vehicle is about to cross a lane marking.

Lane Keeping Assist can only provide limited steering assist and cannot control the vehicle's speed.

Lane Keeping Assist is unable to continually control the steering. Therefore, it cannot always keep the vehicle centered in the lane.

Lane Keeping Assist functions limited steering torque which can only provide a slight steering assist and cannot fully prevent lane departure. Therefore, the driver is responsible for avoiding lane departure by using the steering wheel. Only when necessary, the driver can override the steering assist.

Please take your steering immediately when a warning, warning assist, or lane departure assist occurs.

Warning

As a driving aide feature, Lane Keeping Assist cannot handle all situations or all traffic. Weather and road conditions, lane markings, and other factors affect the system's ability to detect a potential lane departure. Accurate detection cannot be guaranteed in all situations.

You must pay attention to the traffic and road conditions, and make your own decisions that are better for your safety. Failure to do so may result in a collision or serious injury. Depending on the speed of the vehicle, you may not have time to react to Lane Keeping Assist. Do not drive the vehicle at speeds that are too high for the conditions. Failure to do so may result in a collision or serious injury. Drive slowly when the ultimate responsibility for driving safely by the rules and complying with applicable traffic laws and regulations.

Warning

Lane Keeping Assist may not operate as intended or cannot automatically due to camera recognition failure in some situations, including but not limited to:

- The position of the camera is changed
- The camera is obstructed or exposed.
- The performance of the camera is reduced or light.
- Visibility is poor in dim environment, such as at dawn, dusk, night, or in a tunnel.
- The view of the camera is interfered by sudden changes in brightness, such as when entering or exiting a tunnel.
- The view of the camera is interfered by large shadows caused by sunlight, landscape features, or large vehicles.
- The view of the camera is interfered by direct sunlight or other high-intensity light.
- Visibility is poor due to rain, snow, fog, haze, and other bad weather.
- Visibility is poor due to exhaust gas, spidery, soot or dust kicked up by vehicles in front of you.
- The camera is obstructed by water, dust, small accident, grease, dirt, organic, frost, or snow on the windshield.
- The road is icy.

The accuracy of Lane Keeping Assist is even expected in complicated road conditions or in many left or Rightmost lanes. Lane Keeping Assist may not operate as intended or cannot automatically.

- Bumpy road, potholes, curves, etc. speed bumps, or obstacles on the road.
- Large numbers of pedestrians, bicycles, or animals on the road.
- Complex and changing traffic flows, such as busy intersections, freeway ramps, and congested roads.
- Flashing road signs lamps.
- Uphill or downhill roads.
- Rough roads.
- Sound, exhaust and soot.
- Sun-standard roads.
- Brush without center markers.
- Construction zone.

Emergency Lane Keeping

Emergency Lane Keeping (ELK) uses the vehicle camera to detect lane lines or curbs. When the conditions are met in an emergency, Emergency Lane Keeping will provide steering assist to keep the vehicle in the lane.

Emergency Lane Keeping includes:

- Warning only (Lane Departure Warning): warnings you with appropriate visual and audio alerts when your vehicle is about to cross a lane marking.
- Steering Control Lane Keeping Assist: slightly steers the vehicle to achieve the probability of lane departure and provides appropriate visual and audio alerts when your vehicle is about to cross a lane marking.

Emergency Lane Keeping can only provide limited steering assist and cannot control the vehicle's speed.

Emergency Lane Keeping is unable to continually control the steering. Therefore, it cannot always keep the vehicle centered in the lane.

Emergency Lane Keeping functions limited steering torque which can only provide a slight steering assist and cannot fully prevent lane departure. Therefore, the driver is responsible for avoiding lane departure by using the steering wheel. Only when necessary, the driver can override the steering assist.

Please take your steering immediately when a warning, warning assist, or lane departure assist occurs.

Warning

As a driving aide feature, Emergency Lane Keeping cannot handle all situations or all traffic. Weather and road conditions, lane markings, and other factors affect the system's ability to detect a potential lane departure. Accurate detection cannot be guaranteed in all situations.

You must pay attention to the traffic and road conditions, and make your own decisions that are better for your safety. Failure to do so may result in a collision or serious injury. Depending on the speed of the vehicle, you may not have time to react to Emergency Lane Keeping. Do not drive the vehicle at speeds that are too high for the conditions. Failure to do so may result in a collision or serious injury. Drive slowly when the ultimate responsibility for driving safely by the rules and complying with applicable traffic laws and regulations.

Warning

The following functions are prohibited when driving:

- Driving safety by Emergency Lane Keeping.
- Shaft of the steering wheel.
- Exit of the road.

Operating Conditions for Emergency Lane Keeping

- The driving speed is 65 km/h.
- The vehicle is driving without abrupt acceleration, deceleration, or swerving.
- The vehicle is in the center of the lane, or driving in the lane line.
- The vehicle is not in the lane line, or driving in the lane line.
- All components of Lane Keeping Assist are operating normally.
- Four vehicle sensor all safety conditions, including:
  - The driver is seated.
  - The vehicle is in DRIVE.
  - The seat belt is fastened.
  - The Vehicle Control System, Traction Control System and Electronic Stability Program are not triggered.
  - The Vehicle Control System and Electronic Stability Program are not manually disabled.

Emergency Lane Keeping is automatically activated when the conditions are met.

Emergency Lane Keeping can only provide limited steering assist and cannot control the vehicle's speed.

Emergency Lane Keeping functions limited steering torque which can only provide a slight steering assist and cannot fully prevent lane departure.

Emergency Lane Keeping Emergency Lane Keeping, the steering wheel will not automatically.

You can take over steering by turning the steering wheel manually.

Emergency Lane Keeping when driving to the right

When operating conditions for Emergency Lane Keeping are met, if the vehicle inclinatorily deviates from its lane to the right, Emergency Lane Keeping will provide steering assist. In this case, the vehicle will turn the left front tire and the left rear tire and the instrument cluster.

Caution

- Lane Keeping Assist Warning Only system is considered to control and automatically turn the vehicle only when the driver is not intentionally.
- Lane Keeping Assist Warning Only system is not automatically identified the lane lighting conditions, such as strong light which causes the driver to be unable to see the road, or the road surface is not clear due to snow or rain.
- Does not consider driver to the Emergency Lane Keeping system identify, such as fatigue, speed, skills, traffic volume, and road conditions.
- The system is operating normally when front of the image front, rear, and side camera is not dirty.

Emergency Lane Keeping when driving to the solid lane line

When operating conditions for Emergency Lane Keeping are met, if the vehicle inclinatorily deviates from its lane to the left, Emergency Lane Keeping will provide steering assist. In this case, the vehicle turns and the corresponding front tire and rear tire of the instrument cluster.

Caution

Emergency Lane Keeping Assist Warning Only system is considered to control and automatically turn the vehicle only when the driver is not intentionally.

- Lane line recognition, lane, steering, overlapping, or shaded by shadows caused by other vehicles, buildings, or trees.
- The lanes are too wide to see.
- Lane lines are special ones.
- Lane lines cannot be seen temporarily identified due to changes in height, such as or dead ends.
- Lane lines are temporarily or permanently identified due to lighting conditions, such as strong light which causes the driver to be unable to see the road, or the road surface is not clear due to snow or rain.
- The vehicle is moving around a sharp bend or driving on a sharp bend. Image road, road with lanes or street and road.
- The intensity of the vehicle is not a clearly, such as a motorcycle.

Emergency Lane Keeping when driving to the oncoming vehicles on the left

When operating conditions for Emergency Lane Keeping are met, if the vehicle inclinatorily deviates from its lane to the left, Emergency Lane Keeping will provide steering assist. In this case, the vehicle turns and the corresponding front tire and rear tire of the instrument cluster.

Caution

Emergency Lane Keeping Assist Warning Only system is considered to control and automatically turn the vehicle only when the driver is not intentionally.

- Lane line recognition, lane, steering, overlapping, or shaded by shadows caused by other vehicles, buildings, or trees.
- The lanes are too wide to see.
- Lane lines are special ones.
- Lane lines cannot be seen temporarily identified due to changes in height, such as or dead ends.
- Lane lines are temporarily or permanently identified due to lighting conditions, such as strong light which causes the driver to be unable to see the road, or the road surface is not clear due to snow or rain.
- The vehicle is moving around a sharp bend or driving on a sharp bend. Image road, road with lanes or street and road.
- The intensity of the vehicle is not a clearly, such as a motorcycle.

Emergency Lane Keeping when driving to the opposite lane

When operating conditions for Emergency Lane Keeping are met, if the vehicle inclinatorily deviates from its lane to the left, Emergency Lane Keeping will provide steering assist. In this case, the vehicle turns and the corresponding front tire and rear tire of the instrument cluster.

Caution

Emergency Lane Keeping Assist Warning Only system is considered to control and automatically turn the vehicle only when the driver is not intentionally.

- Lane line recognition, lane, steering, overlapping, or shaded by shadows caused by other vehicles, buildings, or trees.
- The lanes are too wide to see.
- Lane lines are special ones.
- Lane lines cannot be seen temporarily identified due to changes in height, such as or dead ends.
- Lane lines are temporarily or permanently identified due to lighting conditions, such as strong light which causes the driver to be unable to see the road, or the road surface is not clear due to snow or rain.
- The vehicle is moving around a sharp bend or driving on a sharp bend. Image road, road with lanes or street and road.
- The intensity of the vehicle is not a clearly, such as a motorcycle.

Precautions and Restrictions

Under certain conditions, the system may fail to recognize obstacles or the Emergency Lane Keeping may fail to function or intervene, including but not limited to:

- The position of the camera is changed
- The windshield is damaged
- The performance of the camera is reduced or light
- Visibility is poor in dim environment, such as at dawn, dusk, night, or in a tunnel
- The view of the camera is interfered with sudden changes in brightness, such as when entering or exiting a tunnel
- The view of the camera is interfered with large shadows caused by sunlight, landscape features, or large vehicles.
- The view of the camera is interfered with direct light
- Visibility is poor due to rain, snow, fog, haze, and other bad weather.
- Visibility is poor due to exhaust gas, spidery, soot or dust kicked up by vehicles in front of you.
- The camera is obstructed by water, dust, small accident, grease, dirt, organic, frost, or snow on the windshield.
- The road is icy.

Emergency Lane Keeping may fail to function or intervene in certain situations, including but not limited to:

- Bumpy road, potholes, curves, etc. speed bumps, or obstacles on the road.
- Large numbers of pedestrians, bicycles, or animals on the road.
- Complex and changing traffic flows, such as busy intersections, freeway ramps, and congested roads.
- Flashing road signs lamps.
- Uphill or downhill roads.
- Rough roads.
- Sound, exhaust and soot.
- Sun-standard roads.
- Brush without center markers.
- Construction zone.

Pilot

Motorola Pilot and Traffic Aid Pilot perform Lane Keeping and Steering Assist alongside speed control and forward collision warning functions. Pilot uses a single camera to read the road ahead, detecting lane markings, vehicles, and pedestrians in order to control pedals and steering and alert the driver when a collision is imminent. Pilot also includes a driver monitoring system that ensures the driver is paying attention to the road.

Lane Keeping Assist Pilot, Pilot uses predictive autonomous driving, so you must concentrate on the road.

Pilot is a simple, easy to use, system with clear lane lines and limited scenery, such as on most sections of motorway and other major roads.

Caution

Steering Assist and Automatic Lane Change Assist help increasing virtual vehicle driving to ensure that you can enjoy the motoring at any time. It is known that you hands are off the steering wheel. Steering Assist will provide a reasonable wide visual and auditory warning.

Warning

Steering Assist will try to keep the vehicle in the lane where there are clear lane lines on both sides. Special road conditions, such as construction areas, or lane lines that are too wide or too narrow, may cause the system to fail to work properly, or even to malfunction. In this case, it is suggested that you turn off Pilot and switch to Adaptive Cruise Control and Steering Assist.

Warning

In a driving assist feature, Pilot cannot handle all situations or all traffic, weather and road conditions.

You must always pay attention to traffic and road conditions, and make your own decisions on whether to use Pilot if it is safe to do so. Motorola Pilot and Traffic Aid Pilot are only driver assistance systems. Pilot is not a self-driving system. Pilot will not take over control vehicle. You always have the ultimate responsibility for the safe operation of your vehicle. Pilot is only a driver assistance system, and it is not a self-driving system.

Warning

The following behaviors are prohibited when driving:

- Reclining seats on Pilot
- Using Pilot in bad weather conditions
- Using Pilot in an environment where there are pedestrians, bicycles or animals
- Using Pilot on a curve
- Using Pilot when the lane line on one side or the lighting is poor
- Hands off the steering wheel
- Eyes off the road

Warning

Pilot Monitor the driving condition and alert the operating reminders. Pilot has a limited maximum detection that is less than the actual road conditions, and it may not be able to detect the road conditions in time and accurately.

Pilot may fail to stop your vehicle when the speed relative to the lead vehicle is greater than 30 km/h. In this case, you Pilot will prompt you to take over the vehicle. Pilot will not be able to detect pedestrians and bicycles, and it will not be able to stop the vehicle in time to avoid the collision.

Warning

Pilot may cause unusual steering torque that is less than the maximum steering torque that is required driving consistently. Pilot will stop the steering torque output when the driver's hands are off the steering wheel for a long time, and will prompt the driver to take over the steering. Pilot will not be able to detect the steering torque output when the driver's hands are off the steering wheel for a long time.

Warning

Pilot may cause unusual steering torque that is less than the maximum steering torque that is required driving consistently. Pilot will stop the steering torque output when the driver's hands are off the steering wheel for a long time, and will prompt the driver to take over the steering. Pilot will not be able to detect the steering torque output when the driver's hands are off the steering wheel for a long time.

Enabling Pilot

- Activate or deactivate Pilot
- Increase the cruise speed or resume Pilot
- Decrease the cruise speed or resume Pilot
- Increase the time distance to the lead vehicle
- Decrease the time distance to the lead vehicle
- Switch the cruise speed

- The set cruise speed
- The target lead vehicle
- Time distance to the lead vehicle
- Pilot status icon

- Icon not shown: Pilot is switched to the inoperable condition and not ready
- Icon is grey: Pilot is ready
- Icon is blue: Driving Assist is in the Standby Mode. Pilot is ready to operate. Adaptive Cruise Control and is searching for lane lines
- Icon is White (with a minus) with both Adaptive Cruise Control and Steering Assist

When operating conditions are met, Pilot will be ready to activate. Pilot

- Pilot will be ready to activate when the speed of the vehicle is in the range of the lines. Adaptive Cruise Control and Steering Assist will engage automatically.
- If the lane lines on both sides are not clear and your vehicle is not in the center of the lane, Adaptive Cruise Control and Steering Assist will not engage. Pilot will be ready to activate when the lane lines are clear and your vehicle is in the center of the lane.

Pilot can be activated or deactivated. If Pilot is ready, you can turn on Pilot, or set it to Pilot ready with a short-press.

Pilot can be activated or deactivated. If Pilot is ready, you can turn on Pilot, or set it to Pilot ready with a short-press.

- The cruise speed is set and Pilot is ready, Pilot will immediately resume.
- The cruise speed is set and Pilot is ready, Pilot will immediately resume.

After Adaptive Cruise Control engages and starts searching for lane lines, you can release the accelerator pedal and let Pilot control the speed.

Warning

Pilot will not have a vehicle ahead. Pilot will adjust the speed according to the speed limit information in the lead vehicle. Pilot will not be able to detect the speed limit information in the lane ahead.

Pilot will not be able to detect the speed limit information of the speed of your vehicle in the cruise speed.

When Driving Assist engages, it will actively control your steering, throttle and brakes to keep your vehicle in the lane and with lead vehicle. Lane lands must have a clear lanes or moving assist, please pay close attention to the vehicle's movements and be prepared to take over control of the vehicle if necessary.

When Pilot controls your steering, the steering wheel will move automatically. Do not interfere with the steering wheel, the accidents may occur. When Pilot brakes the vehicle, the brake pedal will move. Do not interfere with the brake pedal.

Warning

- The speed limit recognition of Pilot is inaccurate.
- The relevant camera and millimeter wave radarare are operating normally with a clear view.
- All Pilot components are operating correctly.
- Some vehicle states will enable, conditions, including:
  - The driver is seated
  - The driver has fastened the seat belt
  - The driver's door is closed
  - The vehicle is in DRIVE
  - The brake pedal is not pressed
  - Anti-Lock Braking System, Traction Control System and Electronic Stability Program are not engaged
  - The Traction Control System and Electronic Stability Program are not manually disabled

Caution

When Steering Assist is on standby, Adaptive Cruise Control will continue searching for lane lines and Lane Keeping Assist will continue to provide lane departure warnings. Pilot will be ready to activate when Adaptive Cruise Control and Lane Keeping Assist

Warning

When Steering Assist is active and a vehicle is on adjacent lane or lane closer to your vehicle. Pilot may enter vehicle mode. Lane Keeping Assist will not be active. Meanwhile, Pilot will be automatically engaged in order to keep the vehicle in the lane.

Adjusting Cruise Speed

When Pilot is engaged:

- Press ⏩ or ⏪ to increase/reduce the cruise speed by +/- 1 km/h.
- Press and hold ⏩ or ⏪ to increase/reduce the cruise speed by +/- 10 km/h.
- Press the accelerator pedal and ⏩ or ⏪ to set the cruise speed to the current speed of the cruise speed is greater than the current speed, or to resume the cruise speed by 1 km/h if the cruise speed is less than the current speed.

When using Pilot, you can set a cruise speed of up to 130 km/h.

The minimum cruise speed of Pilot is 30 km/h but Pilot can be set to a lower speed in a left-step (0 km/h).

Warning

Pilot operations are speed in the directional top speed for Pilot. Please comply with traffic safety laws and regulations, including but not limited to vehicle speed, when enabling and using Pilot.

Adjusting the Time Distance to the Lead Vehicle

When Pilot is activated or resuming operation, the following time distance can be set to one of five grades:

- Press ⏩ to increase the following time distance by one level
- Press ⏪ to decrease the following time distance by one level

Pilot accurate after following the lead vehicle is at about. Pilot's driving pattern will be more aggressive. Attack step: Pilot will be more aggressive.

Warning

It is your responsibility to determine and maintain a safe following distance at all times. Do not only satisfy on Pilot to determine the following distance.

Taking Over Control and Resuming Pilot

When Pilot is active, the driver can take over the vehicle by briefly pressing the accelerator pedal or turning the steering wheel. Pilot will not be active for resuming the accelerator pedal. Pilot will longer respond to the accelerator. Pilot will not be active for resuming the steering wheel.

When you are resuming the accelerator pedal, Pilot will immediately resume.

When you take over by turning the steering wheel, Steering Assist will temporarily switch to standby, but Adaptive Cruise Control and Lane Keeping Assist will still be active. Steering Assist will resume after 5 seconds.

When you are resuming the steering wheel, if the lane line is lost, you can also press the cancel button to the center of the lane. Pilot will automatically resume.

- If Pilot is operated for greater than 30 seconds, Pilot will be ready to activate.
- If Pilot is operated for greater than 30 seconds, Pilot will be ready to activate.

Pilot accurate after following the lead vehicle is at about. Pilot will be more aggressive. Attack step: Pilot will be more aggressive.

Warning

Pilot will not be able to detect the speed limit information of the speed of your vehicle in the accelerator pedal. Do not use. Pilot will automatically resume speed.

Warning

Pilot will be ready to activate when the speed of the vehicle is greater than 30 km/h. In this case, you Pilot will prompt you to take over the vehicle. Pilot will not be able to detect pedestrians and bicycles, and it will not be able to stop the vehicle in time to avoid the collision.

Pilot in Stop and Go Mode

When Pilot is engaged, Adaptive Cruise Control is the first to engage and will keep a fixed time distance to the lead vehicle. Pilot will be ready to activate when the lead vehicle is stopped, and will be ready to activate when the lead vehicle is moving.

When Driving Assist, Adaptive Cruise Control is disengaged, and the lead vehicle is stopped, Pilot will be ready to activate. Pilot will be ready to activate when the lead vehicle is moving. Pilot will be ready to activate when the lead vehicle is moving.

Warning

Navigate on Pilot (NOP) Beta

Navigate on Pilot (NOP) is a driver-assist feature that combines the perception system with the navigation system to help the driver navigate a route from a starting point to a destination.

When enabled, NOP analyzes and adjusts the cruising speed based on traffic conditions. Combined with the navigation system, NOP also automatically suggests the optimal lane for the current route and makes a lane change if a route deviation occurs.

This feature is only available in Beta.

Navigate on Pilot can only work properly when the operating conditions and restrictions for Nearing Assist are met. For more details, please refer to "NOP Offset" in this User Manual.

Caution

Navigate on Pilot (Beta) feature is a public beta version and many features are still being improved.

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Warning

Navigate on Pilot (Beta) feature is a public beta version and many features are still being improved. Pay attention to your surroundings and be ready to take over control at any time

Adaptive Cruise Control (ACC)

Adaptive Cruise Control (ACC) is an optional function which is the set speed and can distance with the lead car. Adaptive Cruise Control (ACC) is a system that automatically controls the vehicle speed and maintains a safe distance between the vehicle and the speed of your vehicle accordingly.

Adaptive Cruise Control (ACC) is a function that follows the lead vehicle in a left-wing vehicle a certain distance (Gap). If the lead vehicle is slowed down, the vehicle slows down and stops, and the vehicle will automatically restart when the lead vehicle starts moving. Adaptive Cruise Control (ACC) is a convenient function for long-distance driving.

Adaptive Cruise Control (ACC) system supports you when long distance on city, smooth, and standard straight roads such as motorways, expressways, and long straight road roads.

Warning

As a driving aid, Adaptive Cruise Control cannot handle all situations in all traffic, weather and road conditions.

Adaptive Cruise Control cannot be used for the detection of your safety.

You must always pay attention to traffic and road conditions, and make your own decisions on whether to use Adaptive Cruise Control (ACC) or not. Adaptive Cruise Control (ACC) is not a substitute for safe driving. Adaptive Cruise Control (ACC) is a convenient function for long-distance driving. Adaptive Cruise Control (ACC) is not a substitute for safe driving. Adaptive Cruise Control (ACC) is not a substitute for safe driving. Adaptive Cruise Control (ACC) is not a substitute for safe

Rain Sensor

The rain sensor detects rainfall on the windshield and adjusts the wipers automatically.

Enabling/Disabling the Rain Sensor

Press the Rear wiper button ⓐ at the end of the right lever to enable the rain sensor. Press it again to toggle the lever up and down to disable the sensor.

Caution

To avoid damage to the wipers, ensure that the rain sensor is disabled when entering an automatic car wash machine.

Parent topic: Front Wipers

Rear Wiper and Washer

The rear wiper and washer cleans the rear windshield. You can set the rear wiper to different modes by toggling the lever to the up and down position.

Push the lever forward to ⓐ for a single wipe.

Push the lever backward and hold ⓑ to turn the rear wiper on. Release the lever to turn the rear wiper off.

Pull the lever back to wash.

Enabling/Disabling Rear Wiper in Reverse

Shifting into REVERSE (Ride Ready) wipers are turned on will turn on the rear wiper. Shifting out of REVERSE will turn off the rear wiper.

When Ride Ready Rear Wiper is enabled and the lever wipers are turned on, the rear wiper operates continuously.

Enter the Settings page from the Infotainment side of the control bar at the bottom of the center display and tap **Driving > Auto Rear Wiper** to enable this feature.

Parent topic: Front Wipers

Exterior Lights

Exterior lights on the front pages (or rear Quick Access) and tap **Headlights** to adjust exterior lights.

⓪ Lights are off.

① Parking lights are turned on.

② Low beam headlights are turned on and according to sensors.

③ High beam headlights are turned on.

Auto Rear and Low Beam Headlights

Turn Signals

Fog Lights

High Beam and Low Beam Headlights

You can set the headlights to high beam or low beam with the lights control lever on the left of the steering wheel.

- Push the lever away from you and release to turn on High Beam. Push the lever again to turn on the high beam.
- Pull the lever towards you and release to turn off the high beams. To turn off the high beam, push the high beam, pull the lever and release.

Caution

Auto High Beam can only available when the headlights are set to Auto mode, or the feature is turned on.

Auto High Beam

Auto Light Sensor and automatically turns the headlights and taillights of vehicles in front or you and turns off the high beam when the headlights and taillights of vehicles in front or behind are detected. Auto High Beam will automatically switch between low beam and high beam to avoid blinding other vehicles. High Beam will then be turned on again when there are no vehicles in front or behind within a certain distance.

- High beam on: when environment is dark and no other vehicles in front or behind.
- High beam off: high environment is with other vehicles in front or behind.

You can turn the Auto High Beam on in the digital instrument cluster:

- Auto High Beam ⓐ
- High Beam ⓑ
- Low beam ⓒ

When Auto High Beam is activated, push the lever towards you to turn on high beam manually. Release the lever and the headlights back to low beam and enter Auto High Beam in standby mode.

High Beam turns on automatically when it detects no other vehicles in front or behind.

- Auto High Beam turns off automatically when it detects other vehicles in front or behind.
- Pull the lever again or push it back to cancel Auto High Beam.

High Beam turns on automatically when it detects no other vehicles in front or behind.

- When turn signals are on.
- When the steering wheel is turned for first.
- When the parking is active.
- When the vehicle speed is over maximum.
- When Fog lights are on.

Warning

The driving may be impaired in heavy rain, snow, fog and other extreme weather conditions, or when the camera is obstructed by dirt or debris.

Parent topic: Exterior Lights

Turn Signals

- Left: push the lever down.
- Right: push the lever up.

The turn signals blink operating when the steering wheel returns to the center position or the lever is moved back to the neutral position.

When a turn signal is operating, the corresponding turn light on the digital instrument cluster will blinking simultaneously.

Parent topic: Exterior Lights

Fog Lights

Fog lights are located on the left of the left lever to turn on the front and rear fog lights. Position lights are automatically turned on when fog lights are on.

Caution

- Rear press: front fog lights on
- Second press: rear fog lights on
- Third press: rear fog lights off
- Fourth press: front fog lights off

Press again to repeat the sequence.

When fog lights are on, the corresponding icon is displayed on the digital instrument cluster.

Parent topic: Exterior Lights

Driver Drowsiness Detection (DDD)

Driver Drowsiness Detection (DDD) is a rear-view camera system to assess the driver's level of concentration during driving and prompt a break if the driver is tired.

Ride Ready Drowsiness Detection system could activate conditions when: if the driver is distracted or drowsy, DDD Ride Ready Drowsiness Detection system recognizes and warns people according to the level of drowsiness, and the digital instrument cluster will also remind the driver to stay focused.

Caution

Driver Drowsiness Detection system operates under all conditions and is only designed to assist driving. The driver should always bear the ultimate responsibility for driving safety.

Drowsiness Detection system may not function properly in the following cases and alert people. When a driver is aroused or have frequent head movements, drowsiness Detection system may not recognize the driver's face.

Enable/Disable Driver Drowsiness Detection

Go to Setting from the Infotainment side of the control bar at the bottom of the center display, and tap **Driver Assist > Driver Drowsiness Detection** to enable or disable the function. Drowsiness Detection system will be enabled automatically when the vehicle is turned on if the last setting was "Driver Drowsiness Detection" on.

Press the button to enable or DDD activated when the vehicle speed is at or above 15 km/h.

Go to Setting from the Infotainment side of the control bar at the bottom of the center display, and tap **Driver Assist > Driver Drowsiness Detection Sensitivity** to select Low or High.

Personalized Calibration

A personalized calibration when the vehicle is in PARK is recommended during your first use of the feature.

Go to Setting from the Infotainment side of the control bar at the bottom of the center display, and tap **Driver Assist > Personalized Calibration** to enable the function. Drowsiness Detection system will then detect the face and maintain the normal driving posture and the DDD prompts about the calibration completion. Then you the personalized calibration completion will be displayed.

The driver can manually adjust the camera to ensure the optimal recognition. Tap on the icon **Recalibrate** and you can adjust the camera angle according to the instructions displayed on the screen.

Once a calibration result is saved in the current account, if the driver is the primary driver, the driver's seat, driver's rear-view mirror, and the camera will automatically adjust to the saved settings when the driver enters the vehicle and the connected account. If the driver is not the primary driver, the driver's seat and the camera will remain in the current position and the driver's rear-view mirror will adjust to the saved settings.

Displays on the Digital Instrument Cluster

- Not activated

- Activated

- Activated and alert

- Activated and alert

The camera will not record or share any images, audio or video.

Caution

Driver Drowsiness is abnormal that is known early in the driver's face being obstructed, the system will turn off automatically after three minutes. In this case, all personalized calibration results will be lost, and the system is reset to default. The DDD will be turned off and Recalibration.

Conditions and Restrictions

In some cases, Driver Drowsiness Detection may not detect the driver's drowsiness or distraction. In this case, the camera may fail to give the corresponding alerts or may be partially nonfunctional. Such situations include but are not limited to:

- At night or in dark environment
- Under direct and strong light, such as sunlight or the headlights of an oncoming car
- When the driver is wearing a hat
- The rear-view mirror is shaking (that has been adjusted)
- The rear-view camera is obstructed by objects such as dark cameras, films, or stickers
- The driver's eyes are covered by sunglasses, polarized glasses, or eyeglass frames
- The driver is wearing accessories, such as a hat, scarf, or headscarf, that change the contour of the head
- The driver is wearing a mask

In other cases, Driver Drowsiness Detection may still remind you to take a break while you are not at all tired.

Range Assessment

The Range Assessment screen displays the precise line, battery percentage, remaining mileage, and other high voltage battery information.

Caution

When the battery level is lower than 15%, the precise line will turn red and an alert will appear in the digital instrument cluster.

Driving on Low Battery

When the battery level is lower than 10%, the discharge power of the high voltage battery is restricted, which will impact the vehicle's performance. When the battery level is lower than 5%, the vehicle will automatically shut down to prevent the battery's severe damage.

Driving at Low Temperature

At temperatures around -10 °C, your vehicle can start and drive normally, but the performance will be impaired due to the low temperature of the high voltage battery.

Traffic Sign Recognition and Speed Limit Warning

Traffic Sign Recognition combines general road information from the navigation map with speed limit signs recognized by the vehicle's camera to help you observe the speed limit driving.

Speed Limit Warning alerts you if you exceed the speed limit.

Caution

Ride Ready Traffic Sign Recognition only detects speed limit signs and does not respond to other traffic signs.

Warning

Traffic Sign Recognition and Warnings is for your reference only, and cannot substitute your visual inspection. Never only refer to the speed limit information recognized by Traffic Sign Recognition.

Warning

According to some regulations, Traffic Sign Recognition and Warnings cannot handle all situations in all traffic, weather and road conditions. You must always pay attention to the traffic conditions, road environment, and speed limit signs, and drive safely and observe the speed limit.

It is always your responsibility to ensure that the vehicle is driven in safe manner and comply with applicable traffic laws and regulations.

Traffic Sign Recognition (TSR)

- Speed limit indicator

1. The speed limit indicator on the instrument cluster continues the speed limit information received from the navigation map until the speed limit sign is recognized.
2. The speed limit indicator will be updated when the speed limit information sensor is available.

3. Supplementary indicator: if the current speed limit is unknown (affected by other conditions, a supplementary indicator will show up to displayed on the instrument cluster.

- ⓐ Color: White
- ⓑ Classification: Informative
- ⓒ Shape: Rectangle/Square
- ⓓ Contrast Condition
- ⓔ Background
- ⓕ Shape: Rectangle/Square

Enabling/Disabling Speed Limit Warning

Enter Setting from the Infotainment side of the center display, and touch **Driver Assist > Speed Limit Warning** to enable or disable the function.

Both the feature enabled, you can adjust the speed groups:

- Speed Limit: when the current driving speed exceeds the speed determined on the traffic sign.
- Custom: when the current driving speed is 5 km/h higher than the speed determined on the traffic sign.
- Off Limit: when the current driving speed is 10 km/h higher than the speed determined on the traffic sign.

Speed Limit Warning will be displayed on the digital instrument cluster when the speed limit information is from the traffic sign.

The speed groups will stop after 30 seconds, or the current speed is lower than the speed limit.

Caution

Information displayed on the digital instrument cluster may not be accurate or delayed and partially reflect the real road conditions. Always pay attention to the road conditions and drive safely and observe the speed limit.

Precautions and Restrictions

Traffic Sign Recognition and Speed Limit Warning may fail to operate as intended or be restricted in some situations, including but not limited to:

- Traffic sign is not recognized
- The map information is outdated or inaccurate.
- GPS data cannot be received.
- Road signs are faded, damaged, blocked, covered by ice, snow, or dirt, or are along curved roads.
- Adjacent speed limit signs are in a line, or there are different speed limit signs on adjacent lanes.
- Other unclear traffic signs may be misidentified by Traffic Sign Recognition or speed limit signs.

Blind Spot Detection (BSD) and Lane Change Assist (LCA)

Blind Spot Detection and Lane Change Assist can only assist and inform you on driving where. (C Type)

Caution

The detection range of the Ultrasonic C Sensors from the sides of the vehicle and 70 meters from the rear.

Center the Settings page from the Infotainment side of the control bar at the bottom of the center display and tap **ADAS > Lane Change Assist**, and then select an appropriate warning type.

When the feature is enabled and you turn the following visual reminders is shown in the digital instrument cluster when a vehicle is detected in the blind spot.

- Flash light.
- Sound + light

Caution

When a vehicle is detected and about to enter your lane or approaching from behind, a visual alert is shown on the corresponding side mirror. In this case, if you signal on the turn signal in the corresponding side, you will be alerted twice with a flashing light and the following warn:

- Flash light.
- Sound + light

Caution

The chime may not be heard if the environmental noise is too loud, such as when the audio system is played at high volume or when driving on a rough road.

Caution

Information displayed on the digital instrument cluster can only be used as a reference and cannot perfectly reflect the real road conditions. Therefore, do not rely on the information displayed on the digital instrument cluster.

Caution

When your drive on a road with large curves, wide lanes or on a multi-lane roadway, Blind Spot Detection and Lane Change Assist may not able to warn you about vehicles in adjacent lanes.

Blind Spot Detection and Lane Change Assist may give false warnings in the following situations:

- Driving on a curved road
- Driving alongside a bridge, or through a tunnel
- Driving Outside Guides, trees, etc.
- When there are very poor, exact lights in low ceiling and other lighting
- Driving near construction areas such as factory buildings, parts, etc.
- Driving on other roads or under bad conditions

Warning

- The lights are mounted on or behind the bumper. Keep the bumper area free of mud, ice, metal plates, stickers, labels and tapes. Failure to do so may impair the performance of the radar.
- If the Ultrasonic Sensors are blocked properly due to a sticker, scratches, water further or malfunction, please contact HTC or an authorized HTC dealer.
- Do not place stickers or tape on the bumper or near the sensors, or have a bumper repaired or replaced, please contact HTC or an authorized HTC dealer.
- Do not place or place any stickers and stickers and large amounts have an adhesive, and have a film or other material on the sensor, or the Ultrasonic Sensors does not work due to interrupted echoes. Video warnings may be generated by certain sound frequencies, such as a horn.
- Blind Spot Detection and Lane Change Assist may be generated by certain sound frequencies, such as a horn.
- Blind Spot Detection and Lane Change Assist may not operate when performance. Please drive with caution.
- Never use the Ultrasonic Sensor for Blind.

Digital Video Recorder (DVR)

It can be used to record video during driving and take pictures without low traffic accidents.

The Digital Video Recorder (DVR) Sensors includes cycle video recording and emergency video recording.

The Front of DVR can mainly to record video and the functions of related pictures, especially when traffic accidents. Front camera can record front and rear accidents, so the main function of the front camera is to record the front. Please be aware that you can be held liable for violations of local laws and regulations by using DVR.

Caution

DVR does not include the video is pre-installed and off.

Caution

The Digital Video Recorder does not record audio.

Caution

The loop and emergency videos will not be uploaded to the cloud, but locally stored in the vehicle only.

Caution

The loop and emergency videos can be protected by the related privacy laws or personal information.

Cycle Video Recording

Go to Setting from the Infotainment side of the control bar at the bottom of the center display, and tap **Safety > Digital Video Recorder (DVR)** to view the function on or off.

- When the function is enabled ⓐ, it will be displayed at the top of the center display.
- When recording, the icon ⓑ will be displayed at the top of the center display.
- When the function is disabled ⓒ, it will be displayed at the top of the center display.

Cycle Video Recording will be automatically enabled when the vehicle is turned on. After 5 minutes, the original video will be deleted and the new video will be recorded. Cycle Video Recording will be stopped when the vehicle is turned off. Cycle Video Recording will be stopped when the vehicle is turned off and the capacity of the **Safety Transfer** reaches the 90 maximum.

Cycle Video Recording will be automatically enabled when the vehicle is turned on. The cycle video will be stored in and continue to record cycle video until the video recording is completed.

The cycle video recordings will be stored in the **Phone > Digital Video Recorder (DVR)** folder.

Quick Video Recording

Press and hold the Front button for 3 seconds, then the video will be stored in the Quick Video Recording in each hour.

Quick Video Recording will be stopped when the hour ends, and a new video will be created.

The quick video recording stores videos recorded 30 seconds before and 60 seconds after it is triggered. The quick video recordings will be stored in the **Phone > Emergency Video**.

Emergency Recording

If the front airbag is deployed, you can access Emergency Recording by pressing the PARK button, which will bring the Emergency Recording screen to the top of the center display.

- Press and hold the PARK button to access Emergency Recording.
- Release the PARK button to open the recordings page in Emergency Recording. To exit from the feature, press the Return again.

Caution

Only access Emergency Recording in emergency situations where the front airbag has been deployed.

Warning

When driving in rainy, in snow, in cold-dark-wet or in uneven surfaces, activating Emergency Recording may cause the vehicle to skid or slip. Please drive with caution.

Navigating to Parking Space with Charger

Search for a power-saving station on the map or select one in the Charging Center.

- If it takes the average range of the vehicle, tap on Setting.

- A pop-up appears on the screen, and the system will automatically activate the parking system.

Caution

- The location of your vehicle and the MFD are not checked during valet placement. Be certain toward that you carefully select a valet or a valet office of the service ring station.
- In the event of an error pop-up appears, the system will automatically activate, please try again after the network connection is restored.
- Please visit the Apportment and Hotelmen before placing an order.

When the valet is placed, a Driver Drop No. will be generated for parking. You can check the charging rates, your vehicle's location, and the parking status in real time through the Valet Parking Service Center.

When the valet is ready to start parking the vehicle, a pop-up will be displayed on the screen. Click the pop-up button "Start Valet Parking" on the center display to start parking.

Caution

- Please wait for your valet upon the arrival to ensure safe pickup and delivery in the opening zone on your vehicle's MFD page. If you carry out valet, please contact the field specialist in time.
- Please ensure the vehicle is locked before the valet starts to drive your vehicle, pay attention to the opening zone on the MFD page to ensure the valet is safe.
- Please avoid the loss or theft of the valetor when waiting for power swap.

Parking mode Setting

Tap "Service Driving Type" and then select the start area of the station or reserved or the center display as a speed lower than 10 km/h.

Caution

- A valid speed may cause positioning detection failure. Please keep the speed below 10 km/h.
- Please drive as instructed by the operator to the ground and avoid vehicles and pedestrians around.
- If an error occurs during the valet, please contact the field specialist to take over your vehicle and manually reverse for parking.

In the main screen, select the Valet, and click on the vehicle where the instrument cluster and NOMAD pop-up that the vehicle is ready to be parked in the parking area.

- If the vehicle is parked in the wrong place, the operator will remove where the obstacle is removed.

Make sure to handle up and close the doors while waiting in the start area.

Tap "Start Parking" and start driving into the station is automatic where "Release the brake pedal and the steering wheel" appears on the screen.

- If the parking is operated on the valet mode is paused accidentally, you can resume the process manually after confirming that the vehicle is in the start area.

If the parking cannot be resumed, select "Cancel Parking" and exit your vehicle. The field specialist will manually stop the power swap.

After the vehicle is parked in place, Enter the instructions on the center display for the power swap.

Caution

Before or during parking use the power swap station, please always pay attention to your surroundings to confirm that there are no parking vehicles, pedestrians, children, etc. and avoid parking.

Please ensure you are the authorized public attendant the and field, then the driver's seat, or open the door during parking and power swap operation.

Starting/Ending Power Swap

Power swap can be started when the vehicle is parked in place. Please carefully read the instructions on the center display and follow the instructions.

Once vehicle is automatically enter the Power Swap Mode and the screen display will go off.

Warning

- If an operator is not parked in place or failed to be automatically adjusted, please adjust your vehicle as instructed by the operator.
- The creation or air conditioning cannot be adjusted during the power swap. Please adjust them in proper position in advance.

During the power swap process, the vehicle will be locked automatically and the power swap will be stopped.

During the process, do not try to open any door, shift gears, press the brake pedal, or perform other actions, which may cause the power swap to be interrupted.

When the power swap is completed, the center display will light up with a prompt and the indicator in the station will turn green. The vehicle can be started and driven.

Caution

Please pay attention to any vehicles or pedestrians in front for safety before exiting the power swap station.

Parking Assist

Parking Assist monitors the surroundings of the vehicle using ultrasonic sensors when the vehicle is driving at a low speed to help park safely.

In the parking mode, audio and visual alerts are emitted to indicate the distance between the front or rear of your vehicle and the obstacle.

Distance	Audio alert frequency	Visual alert color
2.5~1.5 m	Slow	Green
1.5~0.5 m	Fast	Yellow
0.5~0.3 m	Very fast	Orange
0.3~0 m	Even not second	Orange
0.3~0 m	Even not second	Red
0.3~0 m	Even not second	Orange
0.3~0 m	Even not second	Orange
0.3~0 m	Even not second	Orange

Side Mirror Auto Tilt

When you start your **RUNTOUR**, the side mirrors will move for a better viewing angle of the two sides of the vehicle.

Open the Settings page from the Infotainment side of the control bar at the bottom of the center display and tap **Driving > Auto Tilt Side Rearview** to enable or disable this function.

Powering Off

When you turn the infotainment and shift into PARK, the parking brake automatically engages. At this time, **Power** displayed on the digital instrument cluster, indicating that Electric Parking Brake is on.

When you exit the vehicle from the outside, it powers off automatically and turns off the center display and instrument cluster.

You can also turn off power by:

- Pressing the Power button on the side of the power sideview on the center console.
- Pressing the Power button on the Infotainment side of the control bar at the bottom of the center display and tap **Driving > Power Off**.

Note: **RUNTOUR** is equipped with an automatic power shutdown function. When the parking system is not functioning properly, the fault code, power will automatically shut down after 5 minutes.

Warning:

Ensure that the vehicle is in PARK before you get out of the vehicle. Failure to do so may cause injury or damage of the vehicle invertor.

Closing Windows

Quick Window Controls

You can quickly close your windows with the following settings:

- **Closed**:Only close all four windows.
- **Open**:Open the left front window and right rear window by 35%.
- **Open2**:Fully open all four windows.
- **Remove**: Save the current window position. Press and hold to store the memory.

Driver Lock Down

Privacy Glass

The rear windows of your car are made of privacy glass to ensure your privacy. When the rear windows are closed, the functions are not visible from the outside.

Parent topic: Climate Features

Side Door Open Warning (SDO)

The Side Door Open Warning system can ch the passenger from colliding with other vehicles in adjacent lanes when opening the door.

When the turn signal is on, the left or right side of the control bar at the bottom of the center display and tap **ADAS > Side Door Open Warning** to enable or disable this function.

When enabled, the vehicle alerts you by:

- Turning the sideview lighting on red.
- Displaying icons on the dashboard.
- Emitting audio alerts.
- Displaying "Blind Zone Vehicle" on the Infotainment Driver

Warning:

The detection range for the Sideview LT is limited. Ensure the unobstructed side of the vehicle and 70 meters from the rear. The unobstructed driving speed that can be detected is 70 km/h.

Caution:

The Sensor only activated when the vehicle is powered and ready to drive.

Note:

The sensor may not be blocked by the environmental noise is loud, such as when the audio system is played high or vehicle is the surrounding environment is too noisy.

Caution:

Do not use the sensor to substitute the human. Keep the human alert and free of sleep, such, special phones, headsets, music and factors. Failure to do so may impair the performance of the radar.

Follow system uses and limitations properly. Due to a collision, accident, radar blockage or other factors, the system may not detect other vehicles.

If the radar malfunctions for a long period of time and fails to receive any built-related data, please contact SEV to check the system.

Don't disassemble, alter, repair, paint or remove radar parts and components, or add any stickers, which will cause a loss of detect or alert you of objects such as pedestrians, bicycles or shrubbery.

Disassemble or alter the radar will cause electromagnetic wave. Failure violating the regulations may result in fines, confiscation of the vehicle, or even criminal liability.

Heavy rain, snow, fog and other extreme weather conditions may impair radar performance. Please drive with caution.

Do not use this function in Tow Mode.

Locking From the Outside

Before leaving the vehicle, you must ensure that the vehicle with the smart key fob.

When all doors are closed, press the lock button on the smart key fob to lock the vehicle. If successful, the turn signals flash twice and the door locks move to indicate that the vehicle is locked. If unsuccessful, the turn signals flash once and the door locks do not move. Refer to the Vehicle Settings page on the touchscreen to enable or disable **Remote > Remote Lock Feedback**.

Press the lock button twice, the emergency lay is lock the driver's door. All other doors will be locked at the same time.

When the key fob button is low, the emergency lay is lock the driver's door. All other doors will be locked at the same time.

Press the lock button twice, the emergency lay is lock the driver's door. All other doors will be locked at the same time. Do not remove the vehicle is lock the vehicle. When all doors are closed, the turn signals flash once and the door locks move to indicate that the vehicle is locked.

Note:

After closing the driver's door and locking the vehicle, if you accidentally leave the smart key fob in the vehicle when attempting to lock the vehicle, the door locks will immediately unlock and the turn signals will flash twice automatically, the turn signals will flash three times, and the horn will sound three times.

When the vehicle is in PARK, unlock the lockings from the Infotainment side of the control bar at the bottom of the center display and tap **Driving > Lock Vehicle Doors > Lock Vehicle Doors When Shifted to Park**. Alternatively, you can set the vehicle to lock automatically when it is in Park. When you exit the vehicle and the smart key fob is in your pocket, the door locks will automatically lock. If the smart key fob is not in your pocket, the door locks will not lock. If you have the smart key fob on you, or unlock app, the vehicle and smart will stop closing.

Note:

- When turning on the Valet Mode, you cannot lock the vehicle.
- When the smart key fob is in your pocket, the door locks will automatically lock the vehicle and the smart will not close. Please do not leave a passenger or pet in the vehicle.
- If the vehicle is locked while a window is using, the window will stop using. In this case, unlock the vehicle lock and close the window. Do not leave the vehicle with an unattended window.

Keyless Lockings

Walk-Away Lock

Lockings With the NFC Tag

Lockings With NFC

Keyless Locking

Your vehicle can be unlocked and start key fob (in your pocket or bag) you can lock the vehicle by pressing the door and of the exterior door handle.

Note:

When locking the vehicle without a key, you should put the vehicle in PARK, and ensure all doors, hood and liftgate are closed.

If the key fob is left in the vehicle, or when a door is opening the hood or the liftgate, the vehicle cannot be locked by the door handle. If the door is closed, the door locks will lock. If the door is closed, the door locks will lock and the door locks will be unlocked.

Caution:

When locking the vehicle without a key, avoid pressing too hard on the exterior door handle.

Parent topic: Locking From the Outside

Walk-Away Lock

When the key fob is in your pocket, the door locks are automatically unlocked when you approach the door handle and touch the door handle. When the vehicle is locked by Walk-Away Lock, the horn beeps, the turn signals flash, and the door mirrors fold automatically when you walk away.

Walk-Away Lock is on or off by default. To turn off the Walk-Away Lock, open the Settings page from the Infotainment side of the control bar at the bottom of the center display and tap **Locks > Walk-Away Lock**. Walk-Away Lock can lock vehicle even if the key fob is in your pocket. Walk-Away Lock will not lock the door if the door is open and check that vehicle is successfully locked as you walk away.

Warning:

- When Walk-Away Lock is turned on, ensure that no child or pet is left in the vehicle so as to avoid any accidents.
- When using Walk-Away Lock, please ensure the vehicle is locked by the door handle or smart door handlepoint, only interior or the NFC tags, so as to prevent the property from being stolen.
- When using Walk-Away Lock, please ensure the door handle is not covered by any objects that could prevent the door handle from being touched, or the door handle will not be unlocked. Walk-Away Lock will fail.
- When using Walk-Away Lock, please ensure key fob (there is a mobile phone, Bluetooth headset, or other communication devices, electronic devices, etc.) that can be linked by wireless, keep it in your pocket.
- Equipment with a strong magnetic field and/or RF (frequent or high-voltage substations, large interface with the smart key fob, or other equipment, etc.) may affect the normal use of the door handle and smart key fob. Please do not use it in such areas to avoid any inconvenience caused by the automatic locking of the vehicle.

Parent topic: Locking From the Outside

Locking with the NFC App

You can remotely unlock the door, trunk or frunk, and start the vehicle by tapping Home in My Car on NFC app.

To lock the door, tap the NFC app, ensure that the following conditions are met:

- The smart key fob is in the vehicle's cabin or is near sufficient by the sensor.
- The door is closed, and the door is unlocked.
- The vehicle is connected to the Internet.

Note:

If you are unable to lock the door using the NFC app, please contact SEV for assistance.

Parent topic: Locking From the Outside

Locking With NFC

When the vehicle is in PARK and the smart, hood and liftgate are closed, you can lock the vehicle using the NFC card or smart key.

Place the NFC card or key to the NFC induction zone on the driver's door B-pillar and hold it for 10 seconds to lock the vehicle. The door locks move to indicate that the vehicle is locked. The turn signals flash once.

Caution:

- The NFC induction range is less than 10 millimeters. It is recommended to place your mobile phone or NFC card in the induction area for more than 10 seconds to ensure the success of the operation.
- After locking the vehicle by NFC, you can only unlock the vehicle locking (i.e. your smart key fob or emergency unlock). The recommend carrying your smart key fob with you.
- Please keep your NFC card safe. Protect it from impact, bending, high temperature, strong vibration and damage. Do not disassemble.
- It is normal for the NFC induction during vehicle ignition. Please wait for the smart key fob to exit from the vehicle.

Parent topic: Locking From the Outside

Locking From the Inside

When the vehicle is unlocked and all doors are closed, you can lock the vehicle from the inside by pressing the central lock. Alternatively, if the vehicle is locked and doors are closed, unlock the lockers from inside.

Drive-Away Lock

Drive-Away Lock

The vehicle automatically locks while driving.

If the vehicle is unlocked and all doors, hood, and liftgate are closed, the vehicle is locked automatically while driving at a speed of 20 km/h.

Note:

Drive Away Locking will only be activated once the vehicle Transmission from Driving stationary to moving.

Parent topic: Locking From the Inside

Anti-Theft Alarm System

After the vehicle is locked, including the hood and liftgate (from the outside with the smart key fob, NFC tags, NFC key or emergency key, the anti-theft alarm system is activated automatically.

When someone tries to open the door without unlocking, an enhanced horn may left to attract the vehicle's attention. Meanwhile, the turn signals flash, the door locks move, and the horn sounds. The system will stop after 30 seconds.

Note:

If the key fob's battery is low and you need to unlock the vehicle with the emergency key, please place the key fob close to the key fob holder, and then insert the emergency key into the key slot to unlock the door. Then, place the key fob into the key fob holder and start the vehicle. Please ensure that the key fob is in the key fob holder when the vehicle is in motion.

Emergency Locking

When you are unable to lock the vehicle from the outside with use of the aforementioned methods, you can use the emergency lock to lock the door. All other doors will be locked at the same time.

Caution:

Do not force the emergency lay or your vehicle. Please keep it safe in case of emergency.

To use the emergency lay:

1. Find the lock hole of the exterior handle on the driver's door.

2. Pull the lay directly and insert the emergency lay into the hole. Rotate the lay counterclockwise to lock the driver's door.

When the CT5 intends to lock the side door with lock door will be locked by the emergency lay. If you want to lock the other doors, please use the key fob, NFC tag, or NFC card to lock the vehicle. Please ensure that the vehicle is locked after completing the operation.

Exterior Rearview Mirror Auto Folding

When you lock the vehicle from the outside, the exterior rear view mirrors are fully folded automatically. They will extend automatically when you unlock the vehicle. You can also set the exterior rear view mirrors to remain folded when the vehicle is locked.

Open the Settings page of the touchscreen exterior mirrors to be turned on by tap **Locks > Fold Exterior Mirrors When Locking**.

Both the exterior and interior rearview mirrors remotely through the hands, your vehicle's hands and the hands of friends, and the manual operation of the hands is considered the displacement of the exterior rearview mirrors.

Side Mirror Manual Fold and Heating

Auto Dimming Rear View Mirror

Side Mirror Manual Fold and Heating

When you are in a narrow street or alley or driveway, you can manually fold or unfold the side mirrors. The side mirrors are equipped with a heating system to ensure the best view in rain or fog.

1. Folding side mirrors

Turn the side mirrors inward to the folding position to fold the side mirrors, and turn the hand to other position to unfold them.

2. Heating side mirrors

Turn the side mirrors to the heating position from another position to turn on the side mirror heating. The heating will stop by turn it to the hand stop by the heating position.

The side mirror heating automatically turn off when.

Parent topic: Exterior Rearview Mirror Auto Folding

Auto Dimming Rear View Mirror

When the driver's seat is occupied, the rear view and side mirrors heater auto dimming and available when the vehicle is powered. The rear view and side mirrors heater will stop when the vehicle is powered off.

When the driver's seat is occupied, the rear view and side mirrors automatically dim when the vehicle is in PARK or the front reading lights are on to reduce the glare of headlights from vehicles behind you.

Parent topic: Exterior Rearview Mirror Auto Folding

Charging Instructions

You can charge the vehicle before leaving it. In order to maintain the vehicle's good condition, please promptly charge the vehicle when the battery level is low.

Note:

The vehicle can only be charged in PARK. It cannot be charged in NEUTRAL or driving without ignition.

The charge port is on the light side of the vehicle. The vehicle can be charged in two ways:

1. By standard charging AC (AC which takes a longer time to charge the vehicle).
2. By fast charging DCC (AC which takes a shorter time to charge the vehicle).

Warning:

- To avoid accidents, do not change the vehicle near any Nationalle power or liquids and make sure to charge the vehicle in a dry environment.
- Turning charging on with distance from the charge is not safe and is the high charge. Do not touch the charging port, charging cable, or charging pile with wet hands, or electrical shock may occur.
- Stores are prohibited from using the charging equipment to operate/plug in during charging.
- Charging equipment which stores signs of damage, use, moisture or foreign matter should not be used for charging the vehicle.
- Do not use the modification or disassembly of the charging connector or equipment is prohibited.
- Stores are prohibited from using the charging equipment to operate/plug in during charging. Otherwise, it may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.
- Do not use the charging equipment if the charging connector is damaged. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.
- Before charging, please check the charging connector and the vehicle's charge port for any deformation. Some models may have a charge port cover that automatically opens when charging. Please ensure that the charge port cover is open for charging. Do not use a charging device if the charge port cover. Please contact SEV if you encounter any issues.
- Before charging, please check the charging connector and the vehicle's charge port for any dirt or foreign matter. The charge port must be kept clean and free of any dirt or foreign matter. If dirt or foreign matter is present, please clean it before charging. Failure to do so may result in a charging failure or cause damage to the vehicle.
- If the charging equipment malfunctions, please contact the charging equipment manufacturer. Do not attempt to fix it yourself.
- Stores are prohibited from using the charging equipment to operate/plug in during charging. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.
- Do not use the charging equipment if the charging cable is damaged or cut. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.
- During lightning, please refrain from operation or contact connectors should any occur from the vehicle's charging port. Failure to do so may result in electrical shock or damage to the vehicle.
- If the vehicle has a pacemaker and is under cardiac charging, stop charging and contact SEV immediately.
- Do not remove the charging connector before charging is completed. Failure to do so may result in a charge failure.

Caution:

- Do not carry out slow charging and fast charging simultaneously. Doing so may damage the vehicle.
- If the environmental temperature is too high or too low, the charging rate will be affected. If the vehicle's temperature is too high or too low, it will automatically stop charging to protect the battery capacity. Please wait.

Charging

You can charge your vehicle with Power Home, a public charger, or portable charging connector.

Charging Process

1. Slide your PIN, place the charge port cover, or swipe right on the center display and tap Charge Port to display the charge port. Open the charge port cover if it is closed.

Caution:

Do not forcibly unlock the charge port cover when it is active or open. Doing so may damage the cover.

Do not forcibly open the charge port cover when it is active or open. Doing so may damage the cover.

Turning charging on with distance from the charge is not safe and is the high charge. Do not touch the charging port, charging cable, or charging pile with wet hands, or electrical shock may occur.

Stores are prohibited from using the charging equipment to operate/plug in during charging.

Charging equipment which stores signs of damage, use, moisture or foreign matter should not be used for charging the vehicle.

Do not use the modification or disassembly of the charging connector or equipment is prohibited.

Stores are prohibited from using the charging equipment to operate/plug in during charging. Otherwise, it may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.

Do not use the charging equipment if the charging connector is damaged. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.

Before charging, please check the charging connector and the vehicle's charge port for any deformation. Some models may have a charge port cover that automatically opens when charging. Please ensure that the charge port cover is open for charging. Do not use a charging device if the charge port cover. Please contact SEV if you encounter any issues.

Before charging, please check the charging connector and the vehicle's charge port for any dirt or foreign matter. The charge port must be kept clean and free of any dirt or foreign matter. If dirt or foreign matter is present, please clean it before charging. Failure to do so may result in a charging failure or cause damage to the vehicle.

If the charging equipment malfunctions, please contact the charging equipment manufacturer. Do not attempt to fix it yourself.

Stores are prohibited from using the charging equipment to operate/plug in during charging. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.

Do not use the charging equipment if the charging cable is damaged or cut. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.

During lightning, please refrain from operation or contact connectors should any occur from the vehicle's charging port. Failure to do so may result in electrical shock or damage to the vehicle.

If the vehicle has a pacemaker and is under cardiac charging, stop charging and contact SEV immediately.

Do not remove the charging connector before charging is completed. Failure to do so may result in a charge failure.

Caution:

- Do not carry out slow charging and fast charging simultaneously. Doing so may damage the vehicle.
- If the environmental temperature is too high or too low, the charging rate will be affected. If the vehicle's temperature is too high or too low, it will automatically stop charging to protect the battery capacity. Please wait.

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Stores are prohibited from using the charging equipment to operate/plug in during charging. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.

Do not use the charging equipment if the charging cable is damaged or cut. Failure to do so may result in a charging failure or cause damage to the vehicle, the charging equipment, or personal injury.

During lightning, please refrain from operation or contact connectors should any occur from the vehicle's charging port. Failure to do so may result in electrical shock or damage to the vehicle.

If the vehicle has a pacemaker and is under cardiac charging, stop charging and contact SEV immediately.

Do not remove the charging connector before charging is completed. Failure to do so may result in a charge failure.

Caution:

- Do not carry out slow charging and fast charging simultaneously. Doing so may damage the vehicle.
- If the environmental temperature is too high or too low, the charging rate will be affected. If the vehicle's temperature is too high or too low, it will automatically stop charging to protect the battery capacity. Please wait.

Charging

Slow charging AC charging, whether the vehicle is locked or not, the charging connectors cannot be removed from the charging port. Please ensure the charging connector is fully inserted.

- Power on the charging equipment or start charging. You can check the current charging status by touching the PIN > Charge > Charge Port button on the CT5 app. The blue charge port indicator will indicate the current charging status.

- If a power cut occurs during charging, you need to unlock the vehicle and stop the charging by touching the **PIN > Charge** button on the center display, or by using the charging card to unlock the charging connector. Alternatively, you can also use the key fob to unlock the vehicle.

When charging completes, you need to unlock the vehicle using your key fob or from the center display before removing the charging connector.

Caution:

During AC charging, whether the vehicle is locked or not, the charging connectors cannot be removed from the charging port. Please ensure the charging connector is fully inserted.

6. After removing the charging connector, return it to its original position and press the silver button near the charge port to lock the Charge Port Door so the cover charge is not accessible.

Notes

When you charge your vehicle using NEV Electric Motor, the charge power will automatically turn off if you unpack the charging connector while charging is in progress. Do not unpack the charging connector while charging is in progress. **Do not touch the charge connector pin or the charge port with your hand or any other body part. Do not touch and the charge port cover will automatically open and lock the door locking.**

Do not touch the charge connector pin or charge port with your hand or any other body part.

If the charging connector cannot be connected after the vehicle is unlocked, please do the following steps:

1. Ensure that the charging connector cabinet button is pressed to be firmly plunging the connector in. Yes and then unlock the door and try to connect the charging connector again. If the connector is not fully connected, and then unlock the door and try to connect the charging connector again.
2. Open the hood, pull the emergency release cable to unlock the charge port, and try to remove the charging connector.

3. If the problem persists, please stop charging immediately and contact NEV.

Battery Level and Charging Display

The current state of high voltage battery and battery related warning messages are displayed on the digital instrument display.

1. Current power
   Indicates current power of the high voltage battery or power current demand requirements heating.
2. Electric range
   The range remaining indicates the power of the high voltage battery. The power range indicates the power gained through regenerative braking.
3. Remaining range
   Indicates the estimated driving range available.

When the battery is fully charged, the battery will be 100%(battery, the cost of 100% yellow). When the remaining driving range is less than 20 kilometers, the icon will turn red.

Note: Power and the range will be displayed in the right side of the warning window and will turn "vehicle Ready" or "electric Ready" when the vehicle is ready to drive.

The battery related indicators on the digital instrument cluster are:

Indicator	Description
	Low battery level
	Indicates that the high voltage battery level is low. Please promptly connect the charging cable to the charging connector.
	Low power battery level
	Indicates that the vehicle's high voltage power is off. Please contact NEV for assistance.
	CT battery charging fault
	Please contact NEV immediately when this indicator lights up.
	High voltage battery fault
	Please stop the vehicle and contact NEV immediately when this indicator lights up.
	High voltage battery overtemperature
	Please stop the vehicle and contact NEV immediately when this indicator lights up.
	In Electric mod
	Indicates that the battery pack ambient temperature is too low and may affect high voltage battery performance.
	Charging cable connected
	Indicates that a charging cable is connected.

Battery Warnings

The charging period of high voltage batteries tends to decrease in low temperatures such as in winter. When Battery Temperature Warning is turned on, the battery pack will automatically heat the coolant and the battery charging system will automatically start the charging. Charging.

Low Temperature Battery Warning

Low Temperature Battery Warning is turned on by default. It turns off when Settings from the bottom left of the center screen. When the battery temperature is too low, the battery pack will automatically heat the coolant and the battery charging system will start the charging. Battery charging system will automatically stop when the battery temperature is too high.

In the Navigation Mode, Low Temperature Battery Warning will be automatically turned off when the charging connector is not, with the preconditioning status displayed on the top center bar of the center display.

The battery pre-conditioning process will not automatically turn off when the charging connector is connected.

Notes

- Low temperature battery pre-heat is only available when the battery temperature is below 5°C.
- Battery Warning cannot decrease the remaining range; with pre-conditioning turned on. Please make sure that the power is enough for the trip to the destination before leaving the house.

Follow Me Home

When you park your car, the vehicle will automatically turn on the headlights, the Follow Me Home will illuminate the road ahead of you.

Follow Me Home will turn on the vehicle at night, the low beams and position lights turn on. Illuminate the road ahead for you. Enter the vehicle and turn off the ignition switch or the ignition switch of the brake or the control of the accelerator, **and press the Lights or Unlocking button on the key fob, the Follow Me Home will be turned off.**

If you have turned on the wheel and lights by touching **Lights > Home** touch lights, the wheel and lights will be turned automatically when the vehicle is locked to respect the visibility of the surrounding environment.

Vehicle Health Status

Please check the vehicle status regularly to keep it in the best condition. You can enter **My ONE > Health** in the center display to check vehicle health status.

On the interface, the vehicle performs a self inspection and displays the current health status.

Maintenance Instructions

To ensure that vehicles are operate normally and bring a good driving and riding experience, you need to conduct regular vehicle maintenance.

Please contact NEV authorized vehicle systems and the other sales service organizations of electric vehicles. We recommend that you contact the nearest NEV service center for vehicle maintenance regularly and inspection regularly annually. If you have any inquiries about the vehicle maintenance please contact NEV in time.

If you have any questions about the vehicle, please contact NEV in time. If you need to go to long-year vehicle to NEV, service center for a comprehensive inspection and maintenance. If you have any inquiries, please contact NEV.

Regular Maintenance

Regular maintenance is crucial for ensuring vehicle performance, reducing vehicle usage costs, and extending the vehicle's lifespan. We recommend that you contact the nearest NEV Electric Car Center regularly for maintenance according to the following requirements.

Routine maintenance

Routine maintenance is important measures to ensure driving safety and reduce vehicle malfunctions. Before driving, you shall check the following items. If you have any abnormalities, please contact the NEV Electric Center in time.

- Check the status of the high voltage battery on the center display or NEV APP.
- Check all external lights, horn, turn lights, and manual warning lights.
- Check the tire pressure and tire wear.
- Check the tightness of the wheel nuts and ensure the tightening torque.
- Check the operation of the seat belts.
- Check if there are indicator lights abnormally lit or not warning messages on the instrument cluster.
- Check and ensure the power and the drainage and drainage system.
- Check if there is any abnormal accumulation of fluid under the vehicle body; if it is normal for water to accumulate after parking, it is a normal phenomenon.
- Clean the vehicle body. Use professional tools to remove the paint and so forth Droppings, stain, asphalt spots, insects and industrial dust, etc.
- Check and ensure that there are no abnormal operations.

Maintenance schedule

Regular maintenance is crucial and is recommended that you follow the following maintenance items and intervals according to the stages of your vehicle's ownership and the vehicle's actual usage conditions.

Based on the overall market performance of the vehicle, NEV may adjust the regular maintenance schedule for regular maintenance. The specific maintenance schedule is subject to the vehicle's actual conditions and the specifications of the local NEV Electric Car Center.

- Perform a NEV standard regular inspection every year or every 20,000 kilometers.
- Check the tire pressure, tire wear, tire rotation every year or every 20,000 kilometers, and the rear tire Radar Alert of any abnormal conditions.
- Check the vehicle every year or every 20,000 kilometers, and add if necessary.
- Check the brake discs every year or every 20,000 kilometers, and replace them if necessary.
- Check the brake pads every year or every 20,000 kilometers, and replace them if necessary.
- Check the brake fluid every year or every 20,000 kilometers.
- Replace the gearbox oil every 20,000 kilometers.
- Check the brake fluid every year and replace it every three years.
- Check the CTS battery every year and replace it every two years.
- Replace the central controller battery every five years.

If your vehicle is frequently driven in the following harsh environments, additional maintenance items or shorter maintenance intervals may be required. Please contact the nearest NEV Electric Car Center:

- Driving in a dusty environment
- Driving in cold climates - 20 °C or high temperature (above 40 °C) environments.
- Driving in a humid environment or frequently wading in water.
- Driving on roads with high salt content or corrosive materials.
- Braking frequently or driving in mountainous area.
- Often exposed to special pollutants such as industrial dust.
- Towing or carrying without authorization from NEV.

If your vehicle is frequently driven in the following harsh environments, additional maintenance items or shorter maintenance intervals may be required. Please contact the nearest NEV Electric Car Center:

- Driving in a dusty environment
- Driving in cold climates - 20 °C or high temperature (above 40 °C) environments.
- Driving in a humid environment or frequently wading in water.
- Driving on roads with high salt content or corrosive materials.
- Braking frequently or driving in mountainous area.
- Often exposed to special pollutants such as industrial dust.
- Towing or carrying without authorization from NEV.

Event Data Recording System

Many electronic components in the vehicle control units temporarily or permanently store technical information about the vehicle's performance, diagnostic information, and other technical information regarding the vehicle's operations, conditions, systems, and environment.

- Status of the vehicle and its individual components, such as vehicle mileage, speed, acceleration, and lateral acceleration.
- Functional status of equipment system components, such as seatbelt buckles.
- Vehicle's operation under special driving conditions, such as airbag deployment or stability control system activation.
- Data for accident or near-accident events, such as airbag deployment, airbag warnings, acceleration, and braking.

This data is mainly used for diagnosing and fixing faults and optimizing vehicle features. It cannot be used to track a vehicle's location or its owner. Without gathering vehicle owner's consent, NEV will not use this data for tracking, inspecting, and analyzing personal, private personal and non-personal information and disclosure data from the internet of vehicle and other third parties. Yes

Yes

NEV will not disclose any information recorded in the system to third party without your permission or consent.

System Update

Your vehicle's system is a real-time update system. When the vehicle is connected to the Internet, you can enjoy the Remote Software Update (FOTA) function. When the vehicle is connected to the Internet, **Remote Software Update** is turned on, and the vehicle system software and map your vehicle's system up to date. You will be notified when a software update is available. You can choose to update the software now or later. If you choose to update later, you will be notified when the update is available the next time you start the vehicle. Yes

Notes

- The system upgrade function is only available for the vehicle owner's account.
- The system upgrade can only be carried out when the vehicle is in the parked state for the P gear and connected to the network.
- The vehicle system's protocol will consume a certain amount of power. Before the system upgrade, please ensure that the power level of the vehicle is greater than 50% and the power level is sufficient to complete the upgrade.
- Only the system upgrade is performed for the vehicle during the charging process, the charging process will not be interrupted. After the system upgrade is completed, the charging process will continue.
- During the system upgrade process, the vehicle may not be able to be operated normally. Please ensure that the vehicle is parked in the safe area. The vehicle cannot be driven.
- The system upgrade process may cause temporary or some functions, as well as changes in the usage habits of certain features. Please read the upgrade instructions carefully to understand the updated content and functions. If the upgrade is completed, Please ensure that the updated functions work normally and if you are unfamiliar with a new or updated function, please contact NEV for assistance.
- If the system upgrade operation is carried out in a complex environment, it may cause unexpected system errors or even damage the vehicle.
- Do not modify vehicle components or software by yourself to avoid potential injury or property damage due to a system upgrade failure.

Reset All Settings

When it encounters a glitch, vehicle, you can restore all settings by selecting Settings from the bottom left of the center display, and touch **General > Reset All Settings**.

Clear the vehicle's data and settings will be erased, including vehicle settings such as settings for seats, mirrors, air conditioning, and audio, as well as personal data such as the vehicle's Bluetooth connection, Wi-Fi connection, navigation data, etc. Yes Navigation settings, mobile phone, phone and video, etc.

Notes

- Only the vehicle owner can reset all settings. The operation can only be performed when the vehicle is stopped.
- When resetting all settings, the instrument cluster and the center display will go black and blank. Do not stop the vehicle when resetting the vehicle. Otherwise it may cause unpredictable problems.
- After resetting, the vehicle will be restarted in the unactivated state. You need to unpack the vehicle keys to activate the vehicle and complete the initial settings according to the prompts on the screen. Yes
- Resetting all settings will not delete the vehicle's software version and system settings. The vehicle's software version and system settings can only be updated through the remote upgrade. Yes **Offline or the center display.**
- Resetting all settings will not delete your personal data stored in the cloud, such as driving habits, frequent navigation addresses, and other data.

Replacing Front Wiper Blades

The front wipers are when weather and dirt on the windshield when need together with windshield washer fluid. The windshield wiper blades need to be replaced regularly.

1. Lift the wiper arm and remove the wiper blade.

2. Install a new wiper blade and pull the wiper blade to confirm that it is securely installed.

Replacing Rear Wiper Blade

The rear wiper cleans raindrops on the rear windshield. The procedure to replace the rear wiper blade is as follows:

1. Lift the rear wiper arm and remove the rear wiper blade.

2. Install a new wiper blade and pull the wiper blade to confirm that it is securely installed.

Refilling Windshield Washer Fluid

Windshield washer fluid is used to maintain good visibility through the windshield. The procedure to refill the windshield washer fluid is as follows:

1. Open the vehicle Hood storage cover and pull out the windshield washer container of vehicle Hood for recommended your top refilling when the fluid level is about to reach the lower.

Cautions

When topping up the windshield washer fluid, please fill the reservoir carefully to avoid spilling and wipe up any spilled liquid.

2. After refilling the fluid, close the cap and cover securely.

Refilling Coolant

Warning

To avoid the risk of high voltage electric shock when opening the hood, please contact NEV to top up the vehicle's coolant.

The coolant maintains the operation of the vehicle power system within an appropriate temperature range. The procedure to refill coolant is as follows:

1. Open the hood and remove the cover of the coolant Expansion. Coolant pipe the volume cable to unlock the hood (Figure 1).

2. Tugged the hook under the hood to release it and lift the hood up.

3. Take out the hood prop rod from the clip and position it appropriately to support the hood.

4. Open the coolant Expansion and add an appropriate amount of coolant (refer to the MIN and Refer the MAX indicators).

5. Close the coolant tank lightly. When closing the hood, hold the hood with your hands and lower it to an appropriate angle. Then, push the hood down firmly until it is completely closed.

Cautions

Do not close or drop the hood.

Refilling Brake Fluid

Warning

To avoid the risk of high voltage electric shock when opening the hood, please contact NEV to top up the vehicle's brake fluid.

Brake fluid is the medium for transmitting brake pressure in the hydraulic brake system. The procedure to refill brake fluid is as follows:

1. Open the hood and remove the cover of the coolant Expansion (Figure 1) and pull the hood release cable to release the hood (Figure 2).

2. Tugged the hook under the hood to release it and lift the hood up.

3. Take out the hood prop rod from the clip and position it appropriately to support the hood.

4. Open the brake fluid cap and add an appropriate amount of brake fluid (refer the MIN and Refer the MAX indicators).

5. Close the coolant tank lightly. When closing the hood, hold the hood with your hands and lower it to an appropriate angle. Then, push the hood down firmly until it is completely closed.

Cautions

Do not close or drop the hood.

Tire Inspection and Maintenance

Tire wear or damaged can cause or unusually unbalanced tires. For driving safety, please check the tires on a regular basis.

- Inspect the tires frequently for damage (puncture, cuts, tears, and bulges), and remove foreign matter embedded in the tire tread.
- A puncture will cause the tire to lose pressure, so it is important to check the tire pressure frequently. Repair or replace the tire immediately if it is punctured. Do not attempt to repair the tire yourself. Please contact the NEV Electric Car Center or a professional tire repair shop. Improper repair may cause the tire to deflate while driving. Poor repair may also cause the tire to deflate while driving, which may cause an accident.
- If the tire valve cleat or cap is lost, please replace it as soon as possible.
- Keep the tires free of grease or fuel.
- Always ensure vehicle is a cool, dry, and dark place. Separate tires that are on wheels should be stored upright.
- Do not place any other items on the tires and avoid prolonged exposure to direct sunlight or high temperatures.

Tire wear is affected by many factors, including tire pressure, vehicle load, and driving habits. Tires that are worn down to the tread wear indicators will appear as flat in the ground and at the end will be poorly inflated, and the tire will need to be replaced. Please contact the NEV Electric Car Center for tire replacement.

For certain reasons, tires must be replaced. Pay close the following damage:

- Damage such as tube, spike, and cracks thrown in the concave and flat surface that indicate tire plies.
- Exposed cords, or exposed damage, thrown in the bottom of the tire or other damaged features.
- Protrusion, large indentation, or bulge in the tire.
- Tire tread wear indicators appear or tire tread is long-term parking.

If you are not sure, please consult the NEV Electric Center.

Cautions

If the tire is uneven, we recommend that you contact NEV Electric Center for tire inspection.

In order to reduce tire wear and prolong the service life of the tires, the tires should be rated for according to your driving habits and road conditions.

- Tires wear can be more general along the line NEV-recommend. Running on a continuous speed will be a smooth driving with prolonging the service life of the tires.
- Frequent acceleration and sudden turns will make the tread wear faster than the tire pressure and wheel alignment and tire balance.
- Hard impacts of the tires against curbs or objects while drive edges, such as rocks, or impacts against sharp edges can damage the tire structure, which may lead to the Tire Pressure Monitoring System (TPMS) alarm or tire damage.
- Turning your tire, even accelerations and hard braking will increase tire wear.
- Tires wear also increase when driving on rough roads or uneven roads.
- If the vehicle is frequently used for towing or carrying, please contact the NEV Electric Center to check the vehicle's tire pressure parameters and make adjustments if necessary.
- It recommended to swap the front and rear tires every 10,000 km.

Winter Tires

In cold environments, tire performance tends to grow by reduced and susceptibility to impact damage is increased. Winter tires are specially designed for low temperatures and snow conditions. Winter tires can provide better grip, shorter braking distance, and better control. Winter tires are made of softer rubber and have more deep grooves and sipes to better cut through the significant frozen snow or hard ice according to the national tire or chain laws.

Winter tires are suitable for use in temperatures below 7°C and are not suitable for use in temperatures above 7°C. The driving performance of winter tires in high temperatures will be significantly reduced, and the service life will be shortened. Please replace the winter tires with summer tires in time when the temperature exceeds 7°C.

Extremely cold temperatures have a negative effect on battery performance. Under such conditions, the battery may temporarily lose some capacity. For optimal performance in cold weather, it is recommended to park the vehicle in a heated garage or other warm environment whenever possible.

Extremely cold temperatures have a negative effect on battery performance. Under such conditions, the battery may temporarily lose some capacity. For optimal performance in cold weather, it is recommended to park the vehicle in a heated garage or other warm environment whenever possible.

For vehicles fitted with a lithium-ion battery, it is recommended that the battery be charged to approximately 50% capacity if the vehicle will be stored for more than 7 days. Prolonged storage at a full charge may accelerate battery aging and reduce overall performance.

Avoid charging the battery immediately after a long drive. Allow the battery to cool down for at least 30 minutes before charging. Charging a hot battery can accelerate internal degradation and reduce its lifespan.

Do not charge the battery in extreme heat. Ensure the charging environment stays within the recommended temperature range to prevent overheating and maintain safe charging conditions.

Do not let the battery drain completely. Deep discharge can permanently damage the battery cells. Recharge the battery before it reaches critical low levels to preserve its long-term capacity.

Use only the charging cable provided with the vehicle. Using third-party or incompatible charging cables may damage the battery or charging system and pose a safety risk.

Do not overcharge the battery. Once the battery reaches full charge, disconnect the charging cable promptly to avoid unnecessary stress on the battery cells.

Regularly check the battery's state of health through the vehicle's diagnostic system. If you notice significant capacity loss or reduced range, consider having the battery inspected by a qualified technician.

Power	0-100%	8h
	10-100%	7h
	20-100%	6h
	30-100%	5.5h
	40-100%	5h
	50-100%	4.5h
	60-100%	4h
	70-100%	3.5h
	80-100%	3h
	90-100%	2.5h
	95-100%	2h
	98-100%	1.5h
	99-100%	1h
	100-100%	0.5h
Power	0-100%	10h
	10-100%	8h
	20-100%	7h
	30-100%	6.5h
	40-100%	6h
	50-100%	5.5h
	60-100%	5h
	70-100%	4.5h
	80-100%	4h
	90-100%	3.5h
	95-100%	3h
	98-100%	2.5h
	99-100%	2h
	100-100%	1.5h
	0-100%	2h
	10-100%	1.5h
	20-100%	1h
	30-100%	0.5h
	40-100%	0.5h
	50-100%	0.5h
	60-100%	0.5h
	70-100%	0.5h
	80-100%	0.5h
	90-100%	0.5h
	95-100%	0.5h
	98-100%	0.5h
	99-100%	0.5h
	100-100%	0.5h

Brake Pad and Disc Inspection and Maintenance

Caution

Lightly press the brake pedal occasionally when driving at rates of 2-3 mph to dry the brake pad. Prevented by friction factors causing the brake pad to rust, affecting the braking effect and causing safety hazards.

Do not wash the tire pattern with the wire wire brush or the brake disc and wheel hub.

The wear of brake pads and discs is largely determined by your driving habits and road conditions. The driving distance and lifespan of brake components vary accordingly.

The high performance braking system is used to achieve the best comprehensive braking performance and ensure vehicle speed and temperature. Therefore, under certain vehicle speeds, braking force and environment (such as temperature and humidity), the brakes may emit a slight sound. This is normal.

If the automatic brake reminder icon is lighted on the brake pad, please contact NIO to replacement as soon as possible.

Air Filter Inspection and Maintenance

Maintain and replace the air filter according to the specified service intervals to keep the car in the safest state. Regular maintenance helps ensure the best performance of the cabin feature, air quality and **Comfort** and **Pet Mode** functions to extend the lifetime.

Keep the grille clean of any obstructions (e.g. leaves, snow) before driving.

12V Battery Maintenance

The 12V battery is a small power supply unit for the starting and electrical equipment of the vehicle. It can be accessed by opening the trunk or by the left side of the vehicle. It is mainly used to start the vehicle, power locks, and other electrical loads.

Warning

12V battery fluid is corrosive. If the fluid gets into the eyes or on the skin, rinse the eyes or skin with running water and immediately seek medical attention.

- If the 12V battery is severely drained (e.g. having been left unused for a long time), please connect NIO for assistance and do not replace it yourself.
- Before leaving the vehicle, please ensure that all electric systems, such as lights and the audio system, are turned off.

After disconnecting and reconnecting the 12V battery, the automatic windows, sunroof, and pedal and mirror adjustment functions will not be available.

High Voltage Battery Maintenance and Recycling

High Voltage Battery Maintenance

The high voltage battery is an important driving component of your vehicle. Please pay attention to the following things during daily use:

- Keeping your vehicle in an environment with not too high or too low temperature, and avoid long-term exposure to extreme temperature environments (such as direct sunlight in summer or parking in a place with a low ambient temperature of minus).
- Please do not park your vehicle in high temperature area with heat source or avoid accidental fire.
- Please place your vehicle in a dry area. Avoid parking in a damp and water parking space as much as possible.
- Please avoid long-term parking with low power. If the vehicle will be parked for a long time, please charge the battery to 50% before the vehicle is parking. Otherwise, it may damage the high voltage component of the vehicle.
- Avoid frequent use of high power DC fast charging methods to charge your vehicle, as high power DC fast charging will accelerate the aging of the battery and affect its performance.
- If your vehicle is used for a long time, ensure that the high voltage battery has been NIO-dedicated or the Equal-standard lithium-ion and that your vehicle is equipped or is not yet the plug-in preparation. Do not try to install the battery yourself, as improper installation may affect the safety and performance of the battery.

Please do not disassemble the battery pack with a damaging device that causes the charging protection and fuses to continuously trigger, which may cause the battery to overheat and catch fire.

When pressing your foot pedal, vehicle power will be cut off, and the vehicle will stop. If the vehicle is still moving, please pull the handbrake to the vertical position and slowly release the foot pedal. The vehicle will slow down and stop. Please do not suddenly release the handbrake or pull your foot pedal. Doing so may cause the vehicle to lose control and cause a collision. Please do not drive the vehicle with the handbrake pulled up.

Warning

- The high voltage battery contains a high voltage. Do not touch, move, or disassemble the high voltage battery or attempt to access vehicle underbodyware. Doing so may result in injury.
- The high voltage battery pack is sealed. Do not attempt to open, disassemble, or modify the battery pack in any way. Doing so may damage the battery and cause serious injury. Contact NIO for assistance if the battery is damaged. Do not attempt to repair or replace it yourself.
- Do not remove or tamper with the high voltage battery.

High Voltage Battery Recycling

Used high voltage batteries are disposed of by properly qualified. During the vehicle service and maintenance process, high voltage batteries are disposed of by NIO or authorized third-party institutions.

- During the service and maintenance process, the high voltage battery at the NIO Service Center or the Service Station will be disassembled by professional technicians. The battery will be placed in a safe area and will be stored and shipped from the center respectively and recycle them based on the market conditions in that time.
- If the battery is damaged or has reached its end of service life, it will be disassembled by the technicians in a safe manner, it can be recycled and used in other energy storage systems.
- If the battery is severely malfunctioning or damaged, and cannot be utilized in a cascading manner, it will enter the recycling process.

Caution

Do not casually dispose of the high voltage battery, as it can cause severe environmental damage.

The process of high voltage battery recycling is in the incorrect and unsuspected, processed by NIO or a third-party recycling agency (hereinafter "NIO").

Underbrand Fuse Box

Caution

Do not use brass with a nominal current higher than the rated current. Only replace the blown fuse with a fuse of the same nominal current and size.

No.	Rated value	Description
1	20A	Rear seat power supply 20A
2	15A	Rear seat power supply 15A
3	15A	Front seat power supply 15A
4	15A	Front seat power supply 15A
5	15A	MPC power supply 15A
6	15A	Front seat power supply 15A
7	15A	Front seat power supply 15A
8	15A	Reserved
9	15A	Reserved
10	15A	Reserved
11	15A	MPC power supply 15A
12	15A	Front sensor cooling fans power supply
13	15A	Front sensor cooling fans power supply
14	15A	Rear cooling fans power supply
15	15A	Cooling fan 15A
16	15A	Reserved
17	15A	Rear seat cooling module power supply
18	15A	Rear seat cooling module power supply
19	15A	Reserved
20	15A	Rear seat cooling 15A 15A
21	15A	Front seat cooling 15A 15A
22	15A	Front and rear seat cooling fan power supply
23	15A	Reserved
24	15A	Reserved
25	15A	Reserved
26	15A	Reserved
27	15A	Reserved

- Do not use cleaning solvents to clean the instrument panel, air bag covers, or leather interior.
- To avoid scratching, dirtying, and damage, the vehicle should not be parked in direct sunlight for long periods of time. If you need to park in direct sunlight for long periods of time, cover the instrument panel.
- Dirtying objects on climbs such as caps, wires, and sharp handles may leave marks or stains on the leather.
- Avoid rubbing, collar or cuffs or strong resistance to vehicle or vehicle's leather surface. Resistance collar or resistance stains on the leather leather with sandy edges' wear or scratch or peeling.
- Do not use the instrumentation cleaner on leather. Dirtying or wear leather stains against or genuine leather which are affected or discolored.

Seat Belts

Only use a child car dampener to clean the seat belts. Do not remove the seat belts from the vehicle. Allow the belts to dry fully. Keep extended.

Warning Sign Information

No.	Name	Warning Sign	Description
1	High voltage electricity warning sign		Danger! Do not touch high voltage electricity!
2	High voltage component warning sign 1		Keep voltage components. Danger! Do not touch high voltage components! Do not touch high voltage components without professional equipment or avoid electric shock!
3	High voltage component warning sign 2		High voltage component. Danger! Do not touch high voltage components! Do not touch high voltage components without professional equipment or avoid electric shock!
4	High voltage battery warning sign		Caution! Keep the high voltage battery away!
5	High voltage cable warning sign		High voltage cable. Danger! Do not touch high voltage cable! Do not touch high voltage components without professional equipment or avoid electric shock!
6	Mixed compatibility warning sign 1	C L L	Mixed compatibility interchange is allowed and charging the car are limited to the car's charging port. Do not use charging port of other cars. Do not charge other cars with the charging port of the car. Charging port of the car is only for charging car, either C, B or L. Do not charge other cars. Charging car as follows: ● C, L, or BB ● C, B, or L ● B, BC, C, or BB ● B, BC, or BB ● L, BC, BB or BB ● L

Instrument Cluster Indicators

If the following indicators do not light up or go out normally, please contact the MG Service Center for assistance immediately.

Symbol or Indicator	Cluster Display	Description
		Automatic high and low beams control indicator
		High beam indicator
		Anti-lock indicator
		Position light indicator
		Low beam indicator
		Front fog light indicator
		Vehicle ready indicator
		Left turn signal indicator
		Right turn signal indicator
		Rear fog light indicator
		Rear anti-crash warning light indicator
		Brake system fault indicator
		Electronic stability control system fault indicator
		Seatbelt fault indicator
		Low battery indicator of high voltage battery
		Vehicle connection status indicator
		Low Dynamic Warning and Assist off warning light
		Power limit warning light
		Low-cost brake system fault warning light
		Smart Tire Pressure Monitoring System (STPMS) warning light
		High voltage battery cut off warning light
		Automatic Emergency Braking (AEB) system/Collision Warning off and fault warning light
		Details of seatbelts status indicator
		Charging cable connected indicator
		Electronic parking indicator
		Electronic parking fault warning light
		Electronic parking brief warning light
		Seat belt unfastened reminder warning light
		Airbag fault warning light
		Drive motor fault warning light
		High voltage battery overheating warning light
		High voltage battery fault warning light
		Low voltage battery charging fault warning light
		Motor Temperature and Lower Torque Limit fault warning light
		Steering Column Tilt, Adjust Off Feedback Lower Tilt, Adjust Order Reset (RT) Tilt fault warning light
		Electric Accessories fault warning light
		A-ABS with Function fault warning light
		Adaptive Cruise Control fault warning light
		Low Dynamic Warning and Assist fault warning light

ESB Information

Vehicle manufacturer	MG
Service hotline	Refer to the contact table
MG official website	Refer to the contact table

You can find the vehicle certification label in the lower area of the light B pillar.

Vehicle front label

Vehicle Identification Number (VIN)

The vehicle identification number is stamped on the right front shock tower header.

You can also find the VIN in the following locations:

1. Outer side of the door
2. Upper side at the end of the front driving motor
3. Left side of the instrument panel frame
4. Lower left end of the front windshield
5. Lower area of the right B pillar
6. Lower area of the right rear door frame
7. Upper area at the end of the rear motor
8. Rear of the spare tire
9. Right side of the charger

You can also read the VIN from diagnostic instruments that are with the vehicle (safety module diagnosis and BECU).

1. Connect the diagnostic instrument to the diagnostic interface of the vehicle and turn it on.

2. Start the diagnostic program and log in to the diagnostic instrument interface.
3. The diagnostic instrument automatically reads and displays the VIN in the interface of the diagnostic instrument.

Power on vehicle (ignition switch is in the ON position), the VIN is also displayed in the vehicle.

Driving Motor Identification Labels

The front driving motor identification label is located on the lower side of the motor.

The rear driving motor identification label is located on the lower side of the motor.

Recommended Fluids and Capacities

Item	Model	Capacity
Brake Fluid	DOT4	0.6 L
Coolant	OAT 5105 ready-dilution glycol coolant (Chinese mainland)	12 kg
Refrigerant	R134a	900g
Windshield Washer Fluid	Freezing point: 30°C	5L
Gasoline Oil	Level RGT/NMO	2 Liters (Series), 1.8 liters (rear)

Instrument Cluster and Controls

1. Interior door handles	2. Lockable door for emergency calls, automatic and manual unlocking mode
3. Control panel for side mirrors and windows	4. Switch
5. Steering wheel buttons - left	6. Center display
7. Light control lever for turn signals and headlights	8. Gear selector and center console control panel
9. Digital instrument display	10. Wireless charging pad
11. Steering wheel buttons - right	12. Accelerator pedal
13. Wiper and washer control lever	14. Brake pedal

Powertrain Information

Warning

All high voltage components and high voltage cables are typically colored orange for easy identification. People who are not professional maintenance personnel are prohibited from touching, disassembling, or cutting the cables of electric drives.

High Voltage Battery

MG is equipped with a flat structural 350 volt lithium-ion high voltage battery. Never disassemble high voltage battery components from inside the vehicle. When using rescue tools, pay special attention to ensure that you do not breach the battery pack.

Warning

Before servicing or disassembling a high voltage component, you must power off the system. Make sure that the ignition switch is in the "OFF" position, and the "ready" indicator light of the vehicle panel is extinguished for at least 5 to 10 minutes before servicing or any operation.

Warning

As the voltage of the battery pack has reached about 400V in the process of removing and installing high voltage components, it is necessary to ensure the qualification of low voltage electricians. Do ground and "cut" high voltage components, and ensure that the high voltage system is completely disconnected from the power.

Driving Motor

The driving system powers the vehicle by converting the direct current from the high voltage battery into mechanical torque which is distributed to the four wheels. In addition, it can also convert kinetic energy in charge the high voltage battery through regenerative braking. The driving system is made up of the front and rear motors, and the power electronic module. The front and rear motors are three-phase AC synchronous motors, and the rear motor is connected to the rear wheels.

Low voltage battery

The low voltage battery provides the DC voltage, lighting, ignition, direct heater, manufacturer, and interior and exterior lights. The high voltage system charges the 12 voltage battery and the 12 voltage battery supplies power to the high voltage system. The 12 V battery is located in the front compartment of the vehicle (Series).

The 12V battery is located behind the front panel on the left of the front.

Airbags

The airbag system includes front airbags and side airbags. The front airbags include front-hand airbags that are located in the steering wheel and front-passenger airbags that are located in the front-passenger instrument panel. The side airbags include side-impact airbags and curtain airbags located on the headrest. Refer to the airbag for a detailed vehicle diagram. The airbag system consists of the following components:

SEAT HEAT FOR TEMPERATURE

The seat heater is a heating device installed in front seat cushions and backs with pressurizers and three-position short-range for the front seats. The pressurizers rapidly remove and heat and hold the instant seat to ensure comfort. Seat heaters are controlled by the instrument panel switch. The seat heater can be turned on when the ignition switch is in front of the accessory and ignition position and the ignition lamp.

Air Suspension High Pressure Tank

The high pressure air tank is mounted on the rear of the vehicle body using a rubber wrapped bracket. The air tank provides high pressure air for the air suspension system. Pressure protection. If The tank ring gauge is ruptured by impacting, by the pressure of the system.

Vehicle Dimensions

Item	Value
Length (Series)	4422
Width (Series) (including side mirrors)	1904
Width (Series) (including side mirrors)	1800
Height (Series)	1756
Wheel Base (Series)	2655
Front Track (Series)	1600
Rear Track (Series)	1615
Front Overhang (Series)	922
Rear Overhang (Series)	845
Ground Clearance (mm)	177
Cargo Volume (L)	310
Cargo Volume - with third row seats folded down (L)	871
Cargo Volume - with second- and third-row seats folded down (L)	1905
Doors	5
Seats	5

Mass Parameters

Item	Value
Curb Mass Weight (Series) (kg)	2100
Curb Mass Weight (Rear Drive) (kg)	2000
Gross Mass Weight (Series) (kg)	2500
Gross Mass Weight (Rear Drive) (kg)	2400
The total mass of vehicle and trailer when the vehicle is equipped with the trailing device (kg)	3500
Maximum Mass of the trailer without brakes (kg)	750
Maximum Mass of the trailer equipped with brakes (kg)	1500

Note: Vehicle gross/curb maximum mass of the trailing device:

- ● a towing vehicle
- ● or a trailer and vehicle

Trailer Tongue parameters:

Item	Series		Rear drive		Remarks
	Minimum	Maximum	Minimum	Maximum	
Vertical load (kg)	100	150	100	150	Rear axle
Vertical load (%)	4.0%	6.0%	4.0%	6.0%	Rear axle
Tongue Weight (kg)	100	150	100	150	Rear axle
Tongue Weight (%)	4.0%	6.0%	4.0%	6.0%	Rear axle
Tongue Weight (kg)	100	150	100	150	Rear axle
Tongue Weight (%)	4.0%	6.0%	4.0%	6.0%	Rear axle

The chart is calculated according to 75kg per person in the standard recommended, changed to the calculation to 75kg.

Motor Specifications

Item	Value		
	Series	Rear	
Type	Permanent Magnet Alternating Current	Alternating Current Induction Motor	
Model	TZ180H001	TZ240H001	
Rated power/torque (kW/Nm)	80/130	80/120	
Peak power/torque (kW/Nm)	160/350	160/325	

Wheel and Tire Specifications

Item	Value
Specifications	215/50R18
	225/45R17
Tire Pressure (bar)	2.5(without tire pressure monitor)
	2.6(with tire pressure monitor)
Front Wheel Camber Angle(°)	0
Front Toe Angle	0.5±0.5°
Front Caster Angle	5.5±0.5°
Front Kingpin Angle	12.5±0.5°
Rear Camber Angle	-1.5±0.5°

Front Rear Camber Angle	0.0-5°
Front Rear Toe Angle	0.0-5°
Front Rear Toe Angle	0.0-5°
Spindash Angle	0.0-5°
Steering Wheel Angle	0.0-5°
Front Rear Height Delta	0.0-5°
Rear Rear Height Angle	0.0-5°
Rear Rear Height Angle	0.0-5°
Up Rear Torque Bias	0.0-

Note: Wheel specifications are subject to the vehicle configuration.

Braking and Suspension Specifications

Item	Value		
Brake Pad Thickness (mm)	Front	Rear	
	2.0 - 8	2.0 - 8	
Brake Disc Thickness (mm)	Front	Rear	
	21 - 30	21 - 28	
Brake Disc Free Play (mm)	0.1 - 0.3		
Normal Pressure of the Suspension Spring (bar)	2.5		

High Voltage Battery Parameters

High Voltage Battery E-Cell	Type	LiFePO4	
	Nominal Voltage (V)	3.2	3.2
	Nominal Capacity (Ah)	56	56
	Nominal Voltage (V)	3.2	3.2
	Nominal Capacity (Ah)	56	56
High Voltage Battery	Length	1.0	1.0
	Length Width Height (mm)	1021x1206x1014	1021x1206x1014
	Weight (kg)	1.0	1.0

Tire Inflation

Warning

Only equipped with a retrofitted tire will increase the risk of accident and injury.

To ensure your safety while driving, please check the tire pressure regularly. When checking the tire pressure, make sure the tires are cold (the temperature is the same as the ambient temperature or the vehicle has not been used for three hours). Do not use the tire pressure gauge to release the pressure in the tire valve. Please refer to the tire label of the Model 3 for the tire pressure recommended for your vehicle.

Overinflation will affect your control while driving, damage tires, superfluidly or single-mode, and cause fractures in severe cases. The tire pressure displayed on your vehicle's dashboard and touchscreen will vary. Underinflation will cause uneven wear and affect the safety and stability of your vehicle. Please refer to the tire label.

Tips

Since the TCMP alert level of the vehicle cut off warning when the vehicle cut off continues to be within a certain speed range, the vehicle will not alert you to the tire pressure. If the tire pressure is too low, the TCMP will alert you when the speed is lower than 25 km/h. Please pay attention to the tire pressure and ensure that the tire pressure is in accordance with the tire label when the vehicle is cold.

You can inflate the tire with the tire inflator in the emergency kit. To inflate a flat tire:

1. Park the vehicle on a safe road and put on the reflective vest and put on the warning triangle properly.
2. Open the emergency first aid kit in the trunk to take out the tire inflator.

3. Connect the inflation hose to the valve of the tire inflator to the valve stem on the tire.

4. Connect the power plug of the tire inflator to the 12V power socket in the vehicle.

5. Make sure the vehicle is powered on to ensure the power switch of the tire inflator, and inflate the tire. When the tire pressure reaches 3.5 bar, turn off the tire inflator manually and disconnect it from the power socket.

6. If the tire is overinflated, press the pressure relief valve on the inflator.

7. After completing inflation, disconnect the inflator from the vehicle and store it in the emergency kit.

Direct Tire Pressure Monitoring System (dTPMS)

TPMS is equipped with a direct tire pressure sensor. The sensor will be activated in temperature of no more than 3 minutes when the vehicle is driven at a speed of more than 25 km/h. The sensor will be activated in the first 20 km/h in the first 20 km of the vehicle. The sensor will be activated in the first 20 km/h in the first 20 km of the vehicle. The sensor will be activated in the first 20 km/h in the first 20 km of the vehicle. The sensor will be activated in the first 20 km/h in the first 20 km of the vehicle.

In the event of abnormal tire pressure or rapid air leakage, the tire pressure warning indicator [illegible] will light up along with a "Warning" tone, allowing you to check the tires in the Driver Tire Pressure Monitoring System (dTPMS) interface on the touchscreen. The tire pressure warning indicator will flash for 1 minute and then remain lit until the issue is resolved. The tire pressure warning indicator will also light up along with a "Warning" tone, if the tire pressure drops by a certain value in a short period of time, even if the tire pressure is still within the normal range. The tire pressure warning indicator will remain lit until the issue is resolved.

The tire pressure monitoring system is based on low temperature and atmospheric temperature. It may be necessary to adjust the tire pressure according to the ambient temperature. Please refer to the tire pressure table.

If while maintaining driving e.g., winding, handling, sudden inflation and rapid air loss occur in the vehicle, the operation of the Direct Tire Pressure Monitoring System (dTPMS) may be subject to interference.

Tire Chains

Tire chains are equipped with tire chains. Your tire can protect them yourself. Please pay attention to the following points when using the chains:

- Equipped tire chains can damage the tires, wheels, and brake system of the vehicle. Please carefully check the installation of the tire chains and ensure that the tire chains are installed correctly and tightened to the recommended value. Do. Do not exceed maximum 250 km/h or exceed maximum 250 km/h on the chains. Tire chains are not suitable for high speed.

  We recommend Maggiorings TRAK R71 4X4 and Korea & Korea SUV, the KrT to 18in.

- Do not drive over 50 km/h in the speed limit specified by the tire chain manufacturer (whichever is lower).
- Drive carefully and slowly to avoid bumps, potholes, sharp turns, or wheel lock up, which may impact the suspension, steering, and other vehicle components.
- Do not drive damage and excessive road wear, tire chains must be removed when driving on roads without snow.

Set Up Warning Signs

In the event of an emergency, drive the vehicle to a safe area which ensuring safety, then stop on the brake pedal to stop the vehicle. Turn on the hazard lights. Place the warning triangle and the reflector vest according to the specifications and standards.

1. Front gear switch
2. Parcel warning lights

Open the cover at the bottom of the rear trunk's storage space, and tumble with cover on the vehicle side, and the warning triangle and reflector vest are the reflective vest and place the warning triangle within 30 meters to 100 meters behind the vehicle. Place the reflector vest on the front seat. Place the warning triangle on the ground, ensure the reflective surface faces toward the vehicle. Place the reflector vest on the front seat, place the warning triangle on the ground.

1. Warning triangle
2. Reflective vest

How to assemble the warning triangle:

1. Unfold the reflector under the triangle.
2. Unfold the sides of the triangle.
3. Fasten the rungs hinges on the top of the triangle.

Call for Road Assistance

In case of accidents such as collisions, floods, or the risk of a burned, gas leak, please set up the warning triangle and leave the vehicle immediately and call for help. Please ensure that the vehicle is in a safe location and contact the emergency rescue team and call the SOS button in the vehicle. Call the rescue center and provide accurate information.

Tips

In the event of a hazard, low fuel, the vehicle will automatically call and prompt and lock the instrument cluster and power display and notify. Learning prompts. Make sure the accompanying vehicle, the vehicle will automatically alert to call for help.

- If the vehicle is connected to the network, you can press the SOS button in the roof to call the road assistance. Long press the SOS button in the roof for 3 seconds to cancel the call. The vehicle will send a "Call for Help" message and a "Call Completed" message to the owner of the SOS button. Long press the button in the roof for 3 seconds to cancel the call. The vehicle will send a "Call for Help" message and a "Call Completed" message to the owner of the SOS button. Long press the button in the roof for 3 seconds to cancel the call. The vehicle will send a "Call for Help" message and a "Call Completed" message to the owner of the SOS button.

In the event of a serious system malfunction, the 12V battery of all its vehicle systems may be depleted. The backlight of the SOS button in the roof will flash to inform the emergency call. Small battery power is insufficient, the vehicle will automatically alert and notify the owner of the vehicle. Please contact the rescue center and provide accurate information. If the vehicle is connected to the network, the vehicle will automatically alert and indicate the vehicle's location. If the vehicle is not connected to the network, you can use the SOS button in the roof to call for help.

The processing of personal data through the 12-hours-of-aid in vehicle systems is in the with the personal data protection regulations of the respective country. Please contact the rescue center and provide accurate information. If the vehicle is connected to the network, the vehicle will automatically alert and indicate the vehicle's location. If the vehicle is not connected to the network, you can use the SOS button in the roof to call for help. Please contact the rescue center and provide accurate information.

- Connected vehicle of occupant unlocked
- Log the 12-of-aid activation of the system and its timestamp

Recipients of the personal data of the 12-hours-of-aid system are the relevant public entity, rescuing points of the vehicle, the vehicle owner, the vehicle driver, the vehicle passenger, the vehicle owner, the vehicle owner, hospitals, hospitals, hospitals

Caution

Tire rims have a special protective coating. When removing or installing lug nuts, tires or rims, take reasonable precautions to protect the rim's surface from accidental scratches caused by hard or sharp objects.

5. Place the jack below the correct jacking spot on the vehicle.

Warning

Make sure the jack is positioned correctly under the jack point. Failure to do so may damage the vehicle, or the vehicle may slip off the jack and cause injury.

6. Jack the vehicle up to a tire changing height. As the jack touches the vehicle and jacks it up, double check to make sure that the jack is in the correct position.

7. Remove the wheel nuts and replace the tire. When installing the wheel, make sure the nuts are aligned with the mounting holes, and that the metal side of the wheel is properly activated with the mounting surface.
8. After installing the wheel nuts, lower the vehicle completely to the ground (use a jack to lower the vehicle and exit jack mode on the center display), then use a wrench to tighten all the nuts clockwise, and then use a torque wrench to tighten the vehicle nuts to the specified torque value.
9. Check the tire pressure after the tire is replaced, inflate to the specified tire pressure if necessary, then install the tire valve cap.
10. Put the tools, jack, and the flat tires away in a secure manner.

Protective Equipment for Rescue Operations

The E-powertrain system of the vehicle is driven by the high voltage battery, which may cause high voltage electricity leakage or battery fluid leakage in the event of a serious collision accident. Therefore, the vehicle shall be rescued by professional rescue personnel and they shall wear the corresponding protective equipment to ensure their personal safety during rescue operations.

Warning

Remove all metal objects (such necklaces and watches) before carrying out any operation. Failure to do so may increase the risk of electric shock.

Electrical protection

Please wear the following protective equipment to avoid high voltage electric shock injuries:

- Insulated rubber gloves (capable of insulating voltages above 500V)
- Goggles
- Insulated rubber shoes
- Tools with insulated protective sleeves

Chemical protection

If there is a risk of a battery leakage or a potential battery leakage, please wear the following protective equipment to prevent damage to your skin and face:

- Protective mask
- Solvent resistant gloves

High Voltage Cutoff

To cut off the high voltage circuit, disconnect the emergency high voltage cutoff plug (located under the hood and near the coolant reservoir), and then disconnect the cable connected to the negative terminal of the 12V battery (located in the left area of the trunk).

To cut off the high voltage circuit:

1. Open the hood handle cover in the cabin (Figure 1) and pull the hood release cable to unlatch the hood (Figure 2).

2. Toggle the hook under the hood to release it and lift the hood up.

3. Take out the hood prop rod from the clip and position it appropriately to support the hood.

4. Disconnect the emergency high voltage cutoff plug to cut off the high voltage circuit. Remove the plug and stow it appropriately.

5. Remove the 12V battery cover on the left side of the trunk and disconnect the cable connected to the negative terminal of the battery. Wrap the cable with a protective layer to avoid conduction due to accidental contact.

Towing a Vehicle that Had an Accident

Caution

- This vehicle is not suitable for traction with wheels on the ground. Do not use a traction chain to tow the vehicle directly.
- When the vehicle is on snow, mud, or sand, or when the wheels are locked and unable to rotate freely, do not use a towing hook to tow the vehicle. Please contact the NIO service center.

If you need the vehicle to be towed, please call a flatbed trailer to transport the vehicle. How to tow a vehicle:

1. Take out the hitch from the vehicle kit in the rear trunk.

2. Press the lower end of the front towing flap of the vehicle to open it (1 in the picture), insert the hitch into the hole and rotate until the hitch is firmly seated (2 in the picture). The rear hitch is installed in the same way as the front hitch.

3. Depress the brake pedal while the vehicle is in the P gear, go to the Settings page from the leftmost side of the control bar at the bottom of the center display, and tap **Driving > "N" Mode**. Now your vehicle will release the parking brake and enter traction mode.
4. Power the vehicle off before towing, turn on the hazard warning lights, make sure that there is no one in the vehicle and lock the entire vehicle.
5. Install the tow chain on the hitch and slowly tow the vehicle onto the flatbed.
6. After the vehicle is towed to the designated location on the flatbed, use brake stops and wheel straps to fix the tires.
7. Before using a flatbed truck to transport your vehicle, exit the "N" Mode on the center display, then tap **Driving > Jack Mode**. Now the current vehicle suspension height can be locked to avoid damage caused by bumps during transportation.

Warning

- Only when there is no safety risk to the vehicle can it be towed away from the site. If the vehicle battery pack is deformed, leaking liquid, or emitting smoke, safety risks shall be eliminated first.
- If you are unable to enter the Trailer/Wash Mode normally, you can try restarting the 12V battery. If the parking brake cannot be released, the vehicle can be transported in as short a distance as possible by using tire slides or wheeled trailers.
- Do not depress the brake pedal or accelerator pedal hard while exiting the Trailer/Wash Mode on the center display.
- When the parking brake is released and the vehicle can be towed, there is a risk that the vehicle may slide down on a slope. If necessary, please use brake wedges in conjunction with the parking brake.

Rescuing the Vehicle in Water

Caution

It is recommended not to stay in deep water (preferably not exceeding the battery base plate) for a long time when the vehicle is wading. Otherwise, it may cause damage to the high voltage components of the vehicle.

If the vehicle body and chassis are not damaged, the vehicle will not experience a greater risk of electric shock due to short-term immersion in water. However, professional rescue personnel shall wear appropriate rescue protective equipment when dealing with immersed vehicles. On the premise of ensuring insulation protection, pull the vehicle out of the water, open the door, power off the vehicle, and then clean the water stains inside the vehicle. After checking for an electricity leakage, cut off the high voltage circuit in a normal manner.

Warning

When dealing with flooded vehicles, if rescue personnel do not wear appropriate protective rescue equipment, serious injury or even death can occur as a result.

Rescuing Vehicle Fire

Warning

- In the case of a vehicle fire, do not directly touch any part of the vehicle. All rescue operations should be performed by professionals who must wear appropriate personal protective equipment.
- The gas stored in the side curtain airbag cylinder and the high pressure air suspension tank may expand and explode under high temperatures. Please act with caution to avoid injury.

If the vehicle fire doesn't involve the high voltage battery, you can use the fire extinguisher to put out the fire.

If the vehicle fire is caused by the high voltage battery or the high voltage battery is overheated, deformed, cracked, or damaged in the fire, use a large amount of water or foam extinguishing agent mixed with water (F-500 EA is recommended) to cool down the high voltage battery. After the battery is completely cooled down (which may take up to 24 hours), monitor it for one more hour to ensure the battery does not heat up again. Then, drive the vehicle to an open and flat area and set up a 15-meter safety zone to keep people away from the vehicle.

Warning

Be aware that a high voltage battery may re-ignite even after it is cooled down. Particular attention should be paid when transporting the battery.

Rescuing the Vehicle with Battery Leakage

Warning

If leakage from a high voltage battery is caused due to an impact, the rescue should be performed by professionals who must wear protective face shields and chemical-resistant gloves. Never make direct contact with the fluids.

When the high voltage battery leaks, it can generate high temperatures and even cause a fire. Please cool the high voltage battery before handling the leaked liquid:

- When a small amount of leakage occurs, use a suction pad to absorb the leakage and place it in a closed container, or dispose of it by incineration.
- When a large amount of leakage occurs, please handle the leaked liquid as hazardous chemicals by spraying calcium gluconate solution onto it.

Caution

If any fluids accidentally get on the skin, remove the contaminated clothes, and rinse the skin with soap under running water for 15 minutes until all chemical residues are removed. Seek medical attention immediately if the irritation or discomfort doesn't improve.

Vehicle Cutting Area

Warning

When professional rescuers perform cutting operations, they must use appropriate tools such as a hydraulic cutter and wear appropriate personal protective equipment to avoid serious injury.

The vehicle columns are reinforced with cast aluminum alloy to protect the safety of the driver and passengers. If cutting is required during rescue, appropriate tools should be used. The high voltage and high-pressure areas of the vehicle shall not be cut, such as airbag-related components, high-voltage components, etc., as shown by the red areas in the figure below.