TATA

NEXON EV

OWNER'S MANUAL

TATA MOTORS

Revision: Rev 01/JULY 2021

CUSTOMER ASSISTANCE

In our constant endeavour to provide assistance and complete service backup, TATA MOTORS has established an all India customer assistance centre.

In case you have a query regarding any aspect of your vehicle, our Customer Assistance Centre will be glad to assist you on our Toll Free no. **1800 209 8282**

You can also approach nearest TATA MOTORS EV dealer.

A separate Dealer network address booklet is provided with the Owner's manual.

TATA MOTORS 24X7 Roadside Assistance Program offers technical help in the event of a breakdown. Call the toll-free Roadside Assistance.

For additional information, refer to **"24X7 Roadside Assistance"** section in the Owner's manual.

Dear Customer,

Welcome to the TATA MOTORS family.

We congratulate you on the purchase of your new vehicle and are privileged to have you as our valued customer.

We urge you to read this Owner's Manual carefully and familiarize yourself with the equipment descriptions and operating instructions before driving.

Always carry out prescribed service / maintenance work as well as any required repairs at an authorized TATA MOTORS EV Dealers or Authorized EV Service Centre's (TASCs). Use only genuine parts for continued reliability, safety and performance of your vehicle.

You are welcome to contact our dealer or Customer Assistance toll free no. **(1800 209 8282)** in case of any query or support required.

We wish you a safe and pleasant driving experience.

TATA MOTORS

Bombay House, 24, Homi Modi Street,
Hutatma Chowk, Fort, Mumbai – 400001

IMPORTANT INFORMATION

- Before driving, read this Owner's manual carefully and familiarize yourself with your vehicle. For your own safety and a longer vehicle life, follow the instructions, 'Warnings', 'Cautions' and 'Notes' in this manual. Ignoring them could result in damage to the or personal injury to you or others.

- The Owner's manual and other booklets are important documents and should always be kept in the vehicle. If you sell the vehicle, always pass on the documents to the new owner.

- This Owner's Manual describes all variants of the model and all standard/optional equipment of your vehicle available at the time of printing. Please note that your vehicle may not be equipped with all features described.

- TATA MOTORS LIMITED reserves the right to introduce changes in the design, equipment and technical features without any obligation to install them on the vehicles previously sold. The equipment in your vehicle may therefore differ from that shown in the descriptions and illustrations.

- Do not carry out any modification including fitment of non-genuine accessories on your vehicle. Safety, handling, performance and durability, may otherwise be adversely affected and may violate government regulations. TATA MOTORS LIMITED no liability for damage resulting from the modifications or use of non-genuine accessories.

- All rights reserved. The information in this manual shall not be copied, translated or otherwise reproduced, in whole or inpart without written permission from TATA MOTORS.

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INTRODUCTION

An electric vehicle is powered by a battery - Edrive and it does not need any type of fossil fuel. While conventional vehicles use an internal combustion engine and gasoline or diesel as fuel, electric vehicles use electrical energy that is stored inside the high voltage battery. As a result, electric vehicles run on electricity, they are eco-friendly - they do not require fuel and are zero emission vehicles.

Review And Characteristics

The NEXON EV is an electric vehicle. Some of the vehicle's systems operate differently and have different operating characteristics than vehicles equipped with an internal combustion engine. It is important to carefully read the entire Owner's Manual for this reason.

Nexon EV uses two types of battery systems- a high voltage system in which a high voltage battery powers the inverter and electric motor which in turn propel the vehicle and a low voltage system in which a 12-volt battery provides power to the vehicle systems and features such as the audio system, supplementary restraint systems, headlights and wind-shield wipers. The high voltage battery also charges the 12-volt battery.

The high voltage battery must be charged with electricity before the vehicle can be driven. As the vehicle operates, the battery gradually discharges and when completely discharged, the vehicle needs to be plugged in for charging. To increase the range of the EV, regenerative braking has been incorporated. Basically, while the vehicle is coasting or braking, the motor works as a generator and converts the vehicle motion (kinetic energy) to electrical energy to charge the HV battery.

This vehicle is considered to be an environmentally friendly vehicle because it does not emit exhaust gases, and thus is cleaner than the conventional vehicles in terms of air pollution.

Important Information

In this Owner's Manual, you will find the text under the heading "WARNING", "CAUTION" and "NOTE" which highlight important information. Pay particular attention to these highlighted messages.

ⓘ NOTE

It indicates additional information to assist you in gaining the optimum benefit and care for your vehicle.

⚠ WARNING

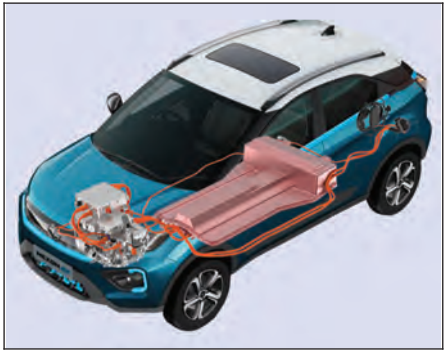
It indicates procedures that must be followed precisely in order to avoid the possibility of severe injury and serious damage to the vehicle.

⚠ CAUTION

It indicates to be careful. You are capable of doing something that might result in damage to equipment.

MAIN COMPONENTS

- **On-Board Charger (OBC)**: A device that charges the high voltage battery by converting AC power from a domestic supply into DC power and supplying it to the battery.
- **Inverter**: A device that transforms direct current (DC) from the high voltage battery into alternating current (AC) to power the electric motor. It also converts braking energy into electrical energy and charges the high voltage battery while decelerating or braking.
- **DC-DC Converter**: A device that converts HV DC power from the HV battery to LV DC power which is required to maintain LV battery charge, which in turn powers the LV systems like lights, wipers, infotainment, etc. in the vehicle.
- **Electric Motor**: A device that converts electrical energy into rotational mechanical energy which is then transferred as rotational torque to the wheels through the gearbox.
- **High Voltage Battery (lithium ion polymer)** - An on board high voltage electrical energy storage device.
- **Power Distribution Unit**: Distributes power from the high voltage battery to the HV components like inverter, DC-DC converter, E-compressor etc.



GENERAL WARNINGS

- Your vehicle contains a sealed Li-ion high voltage battery. If the Li-ion battery is disposed of improperly, there is a risk of severe burns and electrical shock that may result in serious injury or death and there is also a risk of environmental damage.
- The EV system uses high voltage DC current. The system can be hot during and after starting and when the vehicle is shut off. Be careful of both the high voltage and the high temperature.
- Avoid being exposed to high-voltage components in the first place. Observe all high-voltage warning labels these indicate high-voltage components or areas. Observe all orange cables and other high voltage components, large and small these carry high voltage.
- Do not touch high-voltage components while the vehicle is in operation or cranked state.
- Do not disassemble, remove or replace high-voltage parts and cables as well as their connectors because they

can cause severe burns or electric shock that may result in serious injury or death.

- The vehicle high voltage system has no user serviceable parts. It is recommended that you take your vehicle to a TATA Motors EV service centre for any necessary maintenance.
- Pay special attention to pedestrians. Because there is no motor noise, pedestrians may not know the vehicle is approaching, moving or about to move, and may step into the path of vehicle travel.
- When leaving the vehicle, be sure to turn off the EV system. The EV system uses high voltage current. Failure to follow the proper handling instructions may cause serious injury or death.

SAFETY OF THE HIGH-VOLTAGE SYSTEM

- Do not perform any modifications or work on the vehicle, especially maintenance and repair work on the high-voltage system and the body and avoid retrofitting accessories.
- If work is not carried out properly, there is the risk of fire and fatal injury from electrocution due to the high-voltage system.
- Tata Motors recommends to have modifications and work on the vehicle only to be carried out by an authorized Tata Motors authorized EV service center or one that operates according to Tata Motors' specifications with personnel trained accordingly.
- Your vehicle's high-voltage system is a self-contained system. Safety is ensured as long as no unauthorized work is performed on high voltage electrical components or on the chassis.

HIGH-VOLTAGE SYSTEM: CONTACT WITH WATER

The high-voltage system is typically safe even in the following example situations:

- Water in the foot well, for instance after a rainstorm when sunroof was kept open.
- Vehicle is in water but only up to 300 mm.
- Liquid escapes in the trunk.

In these cases there is no risk of injury from electrocution. Other damage to the vehicle is possible.

COMMON TERMINOLOGIES USED IN THIS MANUAL AND THEIR ABBREVIATIONS

EV – Electric Vehicle

HV battery – High Voltage battery

LV battery – Low Voltage (12V) battery

AC – Alternating Current

DC – Direct Current

OBC – On Board Charger

PDU – Power Distribution Unit

VCU – Vehicle Control Unit

BMS - Battery Management System

OBD - On Board Diagnostics

SoC – State of Charge

SRS – Supplementary Restraint System

CRS - Child Restraint System

DAB – Driver Airbag

PAB – Passenger Airbag

ABS – Anti Lock Braking System

EBD – Electronic Brake Force Distribution

PEPS - Passive Entry/Passive Start

ESCL – Electronic Column Steering Lock

EPAS – Electric Power Assisted Steering

LED – Light Emitting Diode

DRL – Daytime Running Lamp

ORVM - Outer Rear View Mirror

IRVM – Inside Rear View Mirror

HVAC – Heating Ventilation and Air Conditioning

FATC – Fully Automatic Temperature Control

DIS – Driver Information System

DTE - Distance to Empty

IGN – Ignition

ACC - Accessory

HIGH VOLTAGE BATTERY SYSTEM

Nexon EV is powered by a lithium ion battery pack and it is managed by a highly intelligent battery management system that controls the output and behavior of the high voltage battery pack. This BMS is powered up by the low voltage battery present in the vehicle.

It is essential to ensure the presence of ample voltage in the low voltage battery to enable the function of the lithium ion battery. Please refer to the LV battery maintenance section to maintain your battery at optimal working conditions.

It is essential to note that even when the Nexon EV is not in use, the HV battery undergoes discharge (Approx. 2% State of Charge in 30 days) over a stagnant period. Hence, to optimize the life of the battery, please ensure the vehicle is plugged into the charger so as to maintain the required level of charge.

The HV battery must never be allowed to discharge completely, as this situation causes a damage to the life of the battery and must be charged regularly.

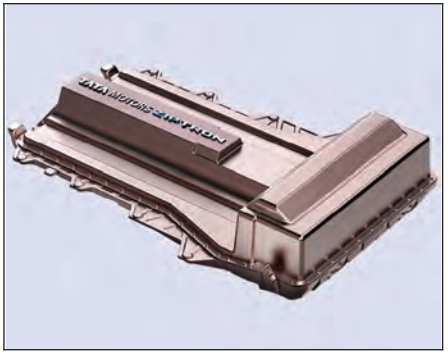
In a situation where the vehicle has undergone complete discharge, please contact the TATA MOTORS EV service centre for further assistance.

It is recommended to charge up to 100% during every charging for best performance of battery pack.

If warning related to battery appears, communicate to TATA MOTORS EV service center.

The Nexon EV is powered by a 30.2kWh high voltage lithium ion battery pack, which in turn powers the electric motor to drive the front wheels. This high voltage battery also powers the air-conditioner, and an auxiliary battery (12 V) that drives the lamps, wipers, and audio system. The auxiliary battery is automatically charged when the vehicle is in the ready mode or the high voltage battery is being charged.

Before you drive the car, it is essential that you read the owner's manual to understand the basics of battery and charging of your EV to prolong the life of battery pack. Be sure to read the warnings and cautions in the following sections.



⚠ WARNING

The battery and motor are not user serviceable. Do not inspect, remove or disassemble any of the high voltage electrical components in your vehicle as it could cause severe burns or even death.

Since the battery pack is not user serviceable, we urge you to visit the nearest Tata Motors authorised EV service centre to safely recycle or dispose the battery. Do not attempt to recycle or dispose the battery yourself, as it might result in severe

injury or even death. There is also a risk of environmental damage.

⚠ CAUTION

Keep the following things in mind to prevent damage of the battery pack:

- Do not expose the vehicle to extreme temperatures for extended period of time.
- Do not leave the vehicle for more than 14 days if the charge of the Li-ion battery is nil or near zero.
- Do not use the Li-ion battery for any other purpose.
- The capacity of the Li-ion battery will decrease with time and usage to hold charge like all such batteries. As the battery ages and capacity decreases, this will result in a decrease from the vehicle's initial mileage range. This is normal, expected, and not indicative of any defect in your Li-ion battery
- When the HV Battery reaches the end of its life cycle, the charging capacity or State of health (SoH) reduces. During such decrease in charge capacity and range of vehicle, contact an authorized service center and get the SoH of Battery pack get inspected.
- Normal charge (once a month or more) is recommended to keep the high voltage battery in optimum condition. If the high voltage battery charge amount is below 20 per cent, (Normal) charge the high voltage battery to 100 per cent. This will keep the battery in its optimum working condition.
- If over time the maximum charge capacity and the maximum electric range begin to degrade, contact an authorized TATA MOTORS EV dealer for inspection and maintenance.
- If the vehicle is involved in a collision, we recommend that you contact an authorized TATA MOTORS EV dealer to inspect if the high voltage battery is still connected or damaged in any way.
- The battery capacity of the high voltage battery may decrease when the vehicle is stored in high/low temperatures.
- Electric range may vary depending on the driving conditions, even if the charge amount is the same. The high voltage battery may expend more energy when driving at high speed or uphill. These actions may reduce the vehicle electric range.
- Natural degradation may occur with the high voltage battery depending on the number of years the vehicle is used. This may reduce the vehicle range.
- If over time the maximum charge capacity and the maximum electric range begin to degrade, contact an authorized TATA MOTORS EV dealer for inspection and maintenance.

- Be sure to read the warnings and cautions in the following sections

Temperature Limits

Battery pack and vehicle can operate safely in limits from 0°C to 50°C.

ⓘ NOTE

To control the battery temperature of the high voltage battery the air conditioner is used to cool down the battery and may switch on automatically without request from control panel which may generate noise from operation of the air conditioner compressor and cooling fan.

Battery Life And Maintenance

The Nexon EV comes with a battery life of eight years or 160,000km warranty for the battery, whichever is earlier. Regular service of the vehicle and charging protocol to be followed to maximize the battery life.

Energy Information

Nexon EV battery pack has a maximum energy of 30.2kWh. Energy retention capacity deteriorates over several cycles of usage and hence range deterioration happens overtime.

This decrease in range during the end of life of battery is expected and is not considered as a malfunction of the battery pack. During these conditions, it is recommended to contact an authorized service center for inspection.

Brake Energy Recovery System

The Nexon EV features energy regeneration system, which regenerates expended energy during coasting or braking during the drive. This system allows the battery to be recharged under the above mentioned conditions.

Please note, the regeneration system does not fully recharge the battery, it only provides a chance to recover a portion of energy that would be lost during braking. When you release the accelerator or press the brake pedal, energy flows from wheels to high voltage battery, thereby charging it.

Regeneration is done by converting driving force (kinetic energy) into electrical energy that is stored in the Li-ion battery while the vehicle is decelerating or being driven downhill. This is called regenerative braking.

Heavily Discharged High Voltage System

In the case of a heavily discharged HV battery, there is a chance that the low voltage battery is discharged as well. In this case, please contact your nearest TATA MOTORS EV service centre for further assistance. Do not try to jump start the vehicle or tow the vehicle without guidance from the service assistant.

Heated High Voltage Battery

In such a condition, the battery has safety logics to limit the performance or disconnect by itself with prior warning. The vehicle should be stopped and allowed to cool down and TATA MOTORS EV service centre must be contacted for rectification.

Long Storage Of Vehicle With Respect To HV Battery Pack

The HV battery undergoes discharge at a rate of approximately 2% over a period of 30 days in storage. Do not allow the vehicle to be discharged to 0% in storage. It is recommended that the vehicle must be charged to a charge level in between 30% to 50% before leaving the vehicle for long time storage. After this time period the vehicle must be charged to 100% using Normal Charging before use.

Predicting Energy Usage

The Nexon EV battery energy usage is displayed in the instrument cluster in the form of estimated range. This range is updated by the system algorithm, depending on the driving conditions.

Displayed range in the instrument cluster is a tentative number based on drive route, driving pattern and usage pattern history over the past drives. It is recommended keep a 20km buffer in estimated range before planning the trip.

High Voltage System Failure

In the case of high voltage system failure, which may arise due to various reasons, contact TATA MOTORS EV service centre for further assistance.

Disposal

The disposal of an HV Battery must be done with utmost care and will be carried out by TATA MOTORS after sales service at the end of the battery life time or if the battery pack has passed its warranty period.

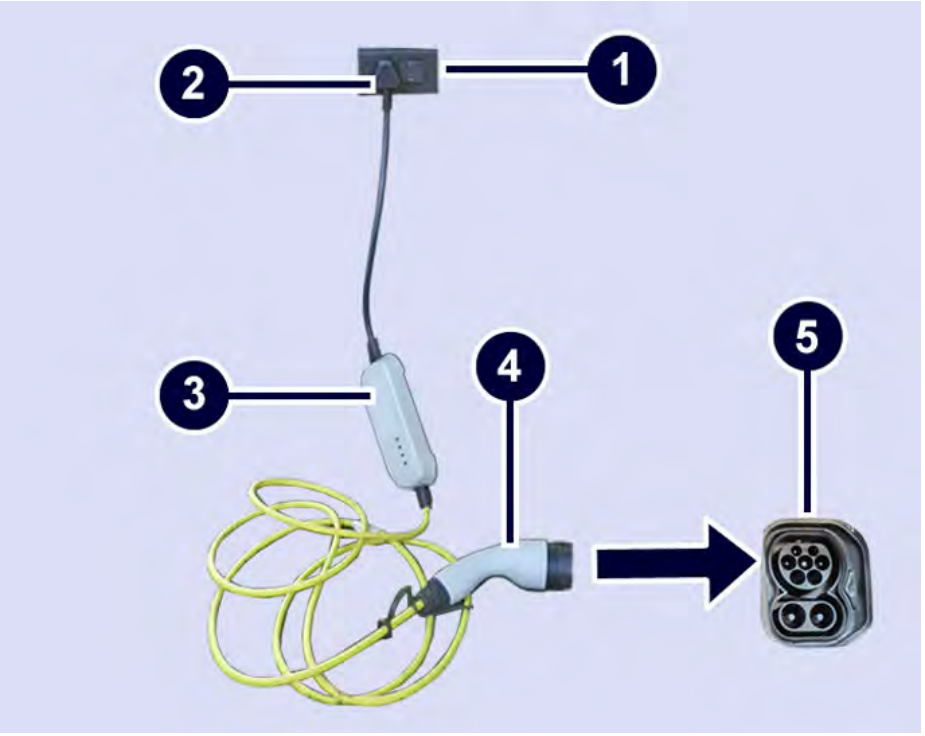
SAFETY INFORMATION

Carefully read these instructions and the charging instructions before charging your electric vehicle. The Normal Charging gun is located inside the boot of the vehicle.

As shown in the image, the parts for Normal Charging system are:

1. Home Charging box socket
2. Plug
3. Control box
4. Charging gun
5. Charging port

Charging Box Socket



SAFETY GUIDELINES FOR PREVENTING FIRE AND ELECTRIC SHOCK

- Make sure the charge station's supply cable is positioned so it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- There are no user serviceable parts inside the charging gun. Contact authorised TATA MOTORS EV service centre should you experience any problems with the charging gun. Do not attempt to repair or service the charge station or charging gun yourself – may result in injury.
- Do not operate your charge station and gun if it or the supply cable is visibly damaged. Contact your Service Representative for service immediately. Refer to the 'Emergency and Breakdown' section in this manual for information on the Service Representative in your area.
- Do not place fingers inside the coupler on either end of the charging gun.
- Do not allow children to operate this device. Adult supervision is mandatory when children are in proximity to a charge station that is in use.
- Not for use in commercial garages.

⚠ WARNING

Unplug both couplers of your Portable Charging Gun before cleaning.

ⓘ NOTE

During normal operation, the charging gun or couplers may feel warm. If either coupler or the charging gun feels hot during charging, unplug the gun and have a qualified electrician inspect the connections before you continue charging.

⚠ CAUTION

Do not use a damaged charging station, domestic plug point or charging port. Both charging gun couplers must fit tightly into receptacles that are in good condition. Using the charger with a worn or damaged port may cause burns or start a fire.

⚠ WARNING

The charger generates electromagnetic waves that can seriously impact medical electric devices such as an implantable cardiac pacemaker in a person. When a person has an implant like the one mentioned above, make sure to ask the medical team and the manufacturer whether charging your EV will impact the operation of the medical electric device implant. In such case, do not go near the vehicle when it is charging.

⚠ WARNING

Ensure that the charging gun is always stored in a safe place. Do no expose it to rain or wet conditions. Avoid pouring or dripping water or other liquids over it. If water penetrates the electrical devices, the risk of electric shock in

creases. Ensure that all plugs and cables are free of moisture before using the charging gun. Never connect the charging gun to the mains with wet or moist hands or when the charging gun is wet.

ⓘ NOTE

Charging station and domestic plug point must be approved/certified by a qualified electrician before using the charging gun. Coupler Receptacle has to have proper Grounding, electrical connection and has to contain a Residual-Current Circuit Device (RCD).

⚠ CAUTION

Make sure that the device is always stored in a safe place. Do no expose the device to rain or wet conditions.
DO NOT use this product if the EV charge connector/cable is damaged.
During charging the vehicle must not be exposed to rain, lightning and snow.

ⓘ NOTE

Charging should be done in Ignition OFF state.

TYPES OF CHARGING

There are two types of charging provided in your Nexon EV – Normal and Fast charging methods. In Normal Charge, plug the charging gun (provided with the car) into a 230V electrical outlet. For Fast Charging, go to the nearest Fast Charging station to charge your car in a short duration.

Normal Charging (AC charging)

- In electricity grid, electric power is AC (alternating current) by nature. However, electric power in battery is DC (Direct Current) by nature. Hence, to charge an electric car by AC grid, power has to be converted from AC to DC. And to convert AC power to DC power On-board Charger is used. This type of charging is called Normal charging/AC charging.
- Normal charging is recommended for usual charging of the vehicle. This charging method is most suitable for parking spots where the car will stay parked for longer duration of time.

Fast Charging (DC charging)

- Fast charging of electric vehicle is achieved by using Fast/DC charging stations; they convert the AC power from the grid to DC power and can directly charge the HV battery pack thus bypassing the On-Board Charger.
- Fast charging can be done wherever Fast/DC charging station is available. User can charge at high speeds at public charging stations.

ⓘ NOTE

Battery performance and durability can deteriorate if the fast charger is used constantly. Use of Fast Charging should be minimized in order to help prolong high voltage battery life.

ⓘ NOTE

After a maximum of four fast charging cycles, the battery pack you must use Normal charging to 100% State of Charge for the optimum performance of the high voltage battery pack.

Here are the details of the different types of charging mechanisms:

Types Of Charging	Charging Specifications	Charge Port	Charge Gun	Power Source

Normal/AC Charging	• Nominal voltage: 230 V ac RMS Single phase, 50Hz supply.
	• Voltage range :
	  • Minimum voltage = 190V ac RMS
	  • Maximum voltage = 250V ac RMS
	• Power rating = 3.3 kW ac RMS
	• Rated current 16A ac RMS.
	• 3 pin wall socket
				

Fast/DC Charging	• Nominal voltage: 320V DC • Charging station voltage capability should be greater than or equal 370V DC.			

Normal/AC Charging

It takes about 9-10 hours at room temperature and normal operating conditions (refer the specs table in previous page) of components to achieve 100 per cent charge with Normal Charging. The charging gun will be locked after switching on the AC supply.

Fast/DC Charging

Nexon EV can be fast charged using any fast charging station or equipment compliant to Combined Charging System standard having Type 2 connector (CCS Type 2). It takes 60 minutes for the high voltage battery to charge from 0% to 80% using any CCS Type 2 fast charging station. The charging gun will be locked after switching on the DC supply.

ⓘ NOTE

Depending on the condition and durability of the high voltage battery, charger specifications, charger rating, and ambient temperature, the time required for charging the high voltage battery may vary.

Precautions For Normal Charging

1. Proper maintenance of earthling pit is must. Add water & add salts at regular intervals into the earth pits in order to maintain the value of earth resistance. Check annually the condition of the electrodes so as to add or replace electrodes.
2. The electrical socket used for EV charging and its associated wiring should be able to supply 15A dedicated load continuously.
3. Check the charging inlet for accumulation of dust or any foreign objects.
4. Don't try to pull off the charging gun during charging.
5. Don't pull out the charging gun if it is in locked condition as excess force can break or damage the locking mechanism.

Charging Instructions

1. Vehicle must be parked with park brake in engaged state before connecting the charging gun.
2. Vehicle charging port must be free of dust, water or snow while connecting the charging gun; if not proper cleaning method must be used to remove dust, water and ice. Refer 'Section 6. Cleaning of Vehicle Inlet'.
3. If the charging gun is removed, reinsertion should be done after at least 10 seconds of removal of the charging gun.

Gun Unlocking Feature On EV

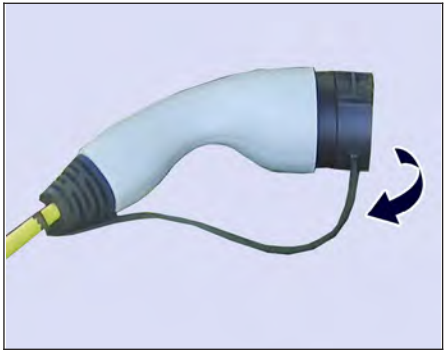
The charging gun will automatically unlock once you switch off AC power supply, in Normal Charging. In case of Fast Charging it will take around 15 seconds for the charging gun to unlock.

Normal Charging Procedure

1. Engage the park brake. **(Charging will not start without engaging the park brake)**.
2. Connect the plug to AC power socket.

3. DO NOT plug into a power strip.

4. Open the protective cap on Charging Gun.



5. Pull the 'Charging-inlet Flap Open Lever' to open the charging inlet flap.

6. Open the protective cap on Charging Inlet.

7. Before connecting the charging gun to vehicle charging socket, make sure the gun lock is released.

⚠ CAUTION

If the Gun Lock is not released please don't insert the Charging Gun forcefully into the socket. It may damage the Charging Socket

8. If the actuator is engaged and the gun is not getting inserted properly, contact TATA Motors EV service center.
9. Remove any dust on the Charging Gun and Charging Inlet. Connect the charging gun to vehicle AC Charging Inlet.

10. Switch on the AC supply.
11. Charging Gun will be locked after switching on the AC supply. You will hear a “click” sound, when the gun is connected correctly.

ⓘ NOTE

When vehicle is in Charging Mode, it will not go in Drive (D), Sport (S) or Reverse(R).

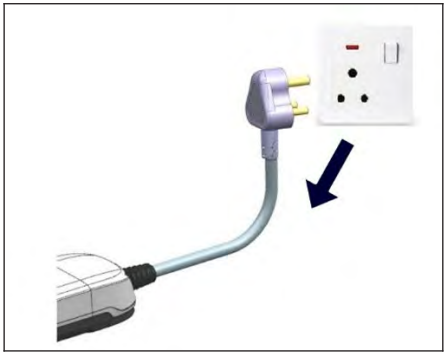
12. Normally the car starts automatically charging. If not, please refer ‘Troubleshooting Guide for Normal Charging’ table.
13. Open the door and see instrument cluster for State of Charge, Time to Charge and Gun connection status.

14. In case the park brake is not engaged or partially engaged the charging won’t start and ‘Engage Park Brake to start charging’ message will be displayed on instrument cluster.

ⓘ NOTE

Infotainment and cabin cooling can be used during charging of the vehicle by putting the vehicle in Ignition.

15. To stop the charging, switch off the AC power supply.
16. The charging gun will be unlocked after switching off the AC supply.
17. Pull out the plug.



18. Put on the protective caps on both Charging Gun and Vehicle Inlet.

ⓘ NOTE

Once Normal/Fast charging is completed, 90 seconds of time gap is required before the vehicle can be started. After turning off the vehicle, wait for four seconds if you want to start the vehicle again.

ⓘ NOTE

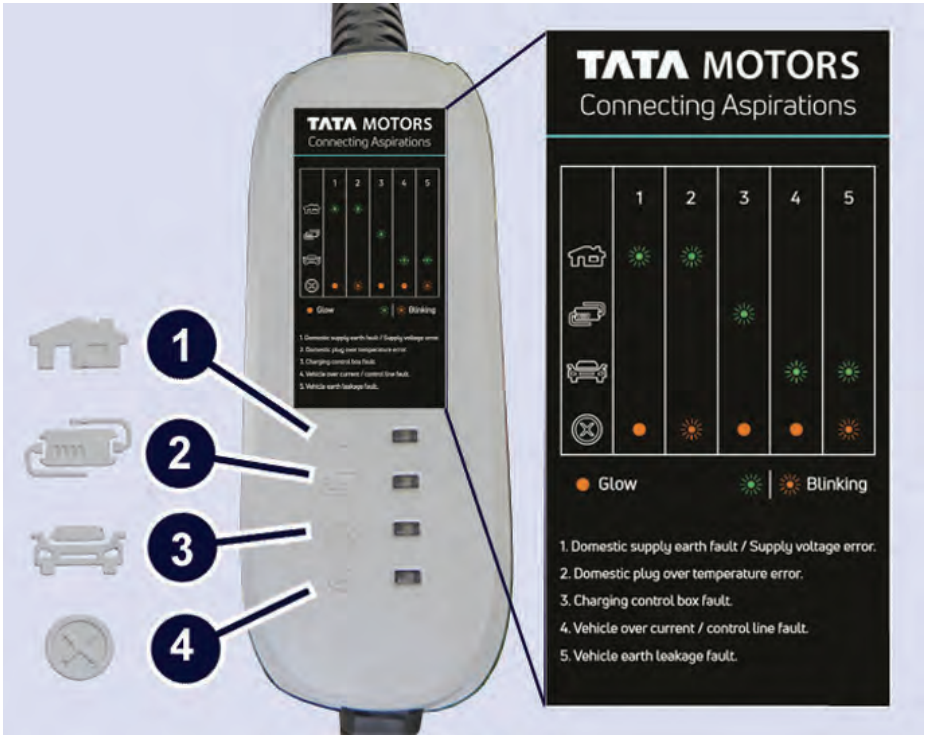
In emergency charging shutdown conditions, Gun won't be unlocked. Contact authorised TATA EV Service Centre.

ⓘ NOTE

In unforseeable circumstances if the charging gun is stuck to the socket after charging is done, user has to contact the service personnel. No mechanical override to remove the charging gun is available for user.

Normal Charging Control Box Indications:

1. Home
2. Control Box
3. Vehicle
4. Fault



NORMAL CHARGING CONTROL BOX INDICATIONS

Working State	Home	Control Box	Vehicle	Fault	Example	Description
Self-inspection state	Blink	Blink	Blink	Blink		Self-inspection for system
Standby state	On	Off	Off	Off		No fault
				Blink		Plug temperature is high
Charging state	On	On	Blink	Off		No fault
				Blink		Plug temperature is high
Charging stopped	On	On	On	Off		No fault
				Blink		Plug temperature is high

TROUBLESHOOTING GUIDE FOR NORMAL CHARGING

Refer the below table if charging is not starting or if it stops abruptly. The below symbols of 'House', 'Control Box', 'Vehicle' and 'Fault' can be seen on the control box beside the respective LEDs.

Fault Category	Indication	Home	Control Box	Vehicle	Fault	Recommended Action
						
Interface fault in home		Blink	Off	Off	On	Improper earth connection. Check the earth pit.
						Short circuit between PE and phase. Error in domestic supply side. Stop changing.
						AC voltage is either less than 190V or more than 250V. Error in domestic supply side. Stop changing.
		Blink	Off	Off	Blink	Proper connection of plug and socket should be ensured. Also, check socket rating and use 20A socket.

CHARGING

Fault Category	Indication	Home	Control Box	Vehicle	Fault	Recommended Action
Control box fault		Off	Blink	Off	On	Contact TATA Motors EV service engineer.
		Off	Blink	Off	Blink	
Vehicle fault		Off	Off	Blink	On	Go to nearest TATA Motors EV Service Centre.
		Off	Off	Blink	Blink	

Legend

FAST CHARGING PROCEDURE

1. Engage the parking brake. **(Charging won't start without engaging the parking brake)**.

2. Pull out the Charging Gun from DC/Fast Charging Station.
3. Open the protective cap on Charging Gun.

4. Pull the 'Charging-inlet Flap Open Lever' to open the charging door.
5. Open the charger-inlet flap.
6. Before connecting the charging gun to vehicle charging socket, make sure the gun lock is released.

⚠ CAUTION

If the Gun Lock is not released please don't insert the Charging Gun forcefully into the socket. It may damage the Charging Socket.

7. Remove any dust on the Charging Gun and Charging Inlet.
8. Connect the charging gun to vehicle AC and DC Charging Inlet.
9. You hear a "click", when the Gun is connected correctly.
10. Switch on the DC charging station supply.

11. Charging Gun will be locked after switching on the DC charging station.

12. Normally the car starts automatically charging. **If not, please refer Charging Gun's Fault Indication & Indication Priority Table on the charging station**.

ⓘ NOTE

When vehicle is in Charging Mode, it will not go in Drive(D), Sport (S) or Reverse(R).

13. To know the State of Charge, Time to Charge and Gun connection status please see instrument cluster. This status is displayed only when driver door is opened.

14. In case the park brake is not engaged or partially engaged the charging won't start and 'Engage Park Brake to start charging' message will be displayed on instrument cluster.

ⓘ NOTE

Infotainment and cabin cooling can be used during charging of the vehicle by putting the vehicle in Ignition.

15. To stop the charging, switch off DC charging station.
16. The charging gun will be unlocked 15 seconds after switching off the supply from DC charging station.
17. Put on the protective caps on both Charging Gun and Vehicle Inlet.

ⓘ NOTE

If you remove the charging gun from the vehicle and if you wish to reinsert the gun to recharge the vehicle, please wait for at least 10 seconds before charging gun is plugged again.

ⓘ NOTE

In emergency charging shutdown conditions, Gun won't be unlocked. Contact authorised TATA EV Service Centre.

MAINTENANCE OF NORMAL CHARGING GUN

The Portable Charger for Normal charging requires no maintenance other than occasional cleaning.

⚠ WARNING

To reduce the risk of electrical shock or equipment damage, be cautious while cleaning the connectors and case.

Clean the charging gun using a soft cloth lightly moistened with mild detergent solution. Never use any type of abrasive pad, scouring powder, or flammable solvents such as alcohol or benzene.

1. The electrical socket used for EV charging and its associated wiring should be able to supply 15A dedicated load continuously.
2. Do not use charging gun if it is wet in interface area. Allow it to dry before use.

⚠ CAUTION

Changes or modifications to this product by other than an authorized service facility may void SAE-J1772 compliance.

State Of Charge (SoC) Gauge For High Voltage Battery

Provided in the instrument cluster as a telltale. It shows the charging status of the high voltage battery.

Low charge or minimum position on the indicator indicates that there is not enough energy in the high voltage battery.

Full charge or max position indicates that the HV battery is fully charged.

- When driving on highways, make sure to check in advance if the HV battery is charged enough.
- When the bar turns red on the high voltage charge indicator, the low charge warning lamp turns ON to alert you of the battery level.
- When the charge percentage is less than 25% in the high voltage battery, the vehicle speed is limited and then eventually the vehicle will be turned OFF. Charge the vehicle immediately.

Action To Be Taken When Charging Stops Abruptly

- Check the reason for interruption of charging.(Refer 'Troubleshooting guide for Normal Charging' table).
- Switch off the AC supply.
- Remove the charging gun from the charging inlet.
- Wait for 5 minutes.
- Restart the charging. (Refer charging procedure).

Cleaning Of Charging Inlet

Covering the charging gun and charging inlet by dust cap will ensure protection from water and dust.

Precautions To Be Taken While Cleaning The Charging Inlet

- Keep the vehicle lid always closed
- When the lid is open ensure that dust caps are in closed position
- During normal charging, make sure that DC charging cap is closed
- In case of dust/mud accumulation in charging port, it can be cleaning by blowing air
- In case of snow accumulation in charging port, it can be cleaned with blowing air.
- Allow the water to drain completely through drain holes.
- Allow the charging port to dry completely.

ⓘ NOTE

Water entering into the charging port will always be drained through the drain system. If water is stagnant in charging port area call Tata Motors Authorised EV service centre to rectify the issue.

SAFE DRIVING

Safety consciousness not only ensures the safety of other road users and yourself, but it also helps to reduce the wear and tear on your vehicle.

Safe driving depends on:

- How quickly you make decisions to avoid an accident.
- Your ability to concentrate.
- How well you can see and judge objects.
- How well familiar you are with your vehicle controls and its capabilities.

ⓘ NOTE

Fatigue is a result of physical or mental exertion that impairs judgment. Driver fatigue may be due to inadequate sleep, extended work hours, strenuous work or non-work activities or combination of other factors. Take rest at regular intervals.

Safety Tips

- Always take into account the road conditions, weather conditions, vehicle speed in order to prevent accidents.
- Turn 'ON' the side indicators at least 30 meters before taking a turn or changing the lane.
- Decelerate to a safe speed before taking turn. Do not apply brakes during cornering.
- When overtaking other vehicles, watch out for oncoming vehicles.
- Never drive under the influence of alcohol or drugs.
- If your vehicle is equipped with infotainment/navigation system, set and make changes to your travel route only when the vehicle is parked.
- Preset the radio when the vehicle is parked and use your programmed presets while driving, for ease of use.

Driving Through Water

Do not drive through flooded areas. Judge the depth of water before driving through it. Otherwise, water may enter the vehicle interior or the motor compartment.

Observe water level and speed. Do not exceed the maximum water level and maximum speed; otherwise, the vehicle's motor, the electrical systems and the transmission may be damaged. Drive though calm water only and only if it is not deeper than 300mm and at this depth, maintain vehicle speed up to 15kmph.

Flowing or rushing water creates strong forces. Driving through flowing water could affect the dynamics of the vehicle. If at all the situation demands that you have to drive through water then:

Lightly apply the brake pedal to dry the liners until the brakes work normally once you are out of water

⚠ WARNING

Do not attempt to start the motor if vehicle gets flooded due to water. Tow the

vehicle to a safe place. Contact a nearest TATA MOTORS Authorised EV Service Centre

Driving On A Rainy Day

- Do a check of the wiper blades, lights and brakes for proper functioning and condition.
- Do a check of the tyre's tread depth, the condition of the tread and tyre.
- Avoid harsh braking and sharp turns. It may cause loss of control and lead to a skid.
- Keep the headlights 'ON' if visibility is poor.

Driving On Wet Roads

On wet road or during light showers, "Aquaplaning" can occur. "Aquaplaning" is the loss of direct contact between the road surface and the vehicle's tires due to a water film forming between them. Steering or braking the vehicle can be very difficult, and loss of control can occur.

There is no hard and fast rule about aquaplaning. The best advice is to slow down when the road is wet.

ⓘ NOTE

If you have driven for a long time in heavy rain without braking, there may be a delayed reaction from the brakes when braking for the first time. You have to depress the brake pedal more firmly. Maintain a greater distance from the vehicle in front.

Night Driving

- Make sure that all lights are working and windshield, window glasses are clean.
- Drive more slowly at night than in the daytime, as the visual range is restricted at night. Maintain a speed such that you can stop within illuminated distance of head lamps.
- Do not use the high beam unless inevitable. It may dazzle the driver of the oncoming vehicle, thus causing an accident.
- Use head lamp main/dip beam to alert other road users on turns/ cross roads etc.
- Use side indicators for lane change or turning.

Driving On Gradients

When driving down a hill, ease off on the accelerator to slow down. Do not drive in neutral or turn the vehicle off.

⚠ WARNING

On long and steep gradients you must reduce the load on the brakes by taking your foot off the accelerator pedal. This allows you to take advantage of regenerative braking effect and helps avoid overheating of service brakes resulting in reduced braking efficiency.

Driving On Highway

Stopping distance progressively increases with vehicle speed. Maintain a sufficient distance between your vehicle and the vehicle ahead.

For long distance driving, perform safety checks before starting a trip and take rest at certain intervals to prevent fatigue.

SEAT BELTS

This section of user manual describes your vehicle's seat belt, airbag and Child restraints system. Please read and follow all these instructions carefully to minimise risk of severe injury or death.

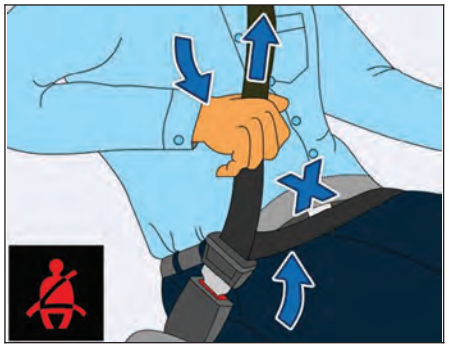
- Seat belts are the primary restraints system in the vehicle. All occupants, including the driver, should always wear their seat belts to minimize the risk of injury.
- Sit back and adjust the seat. Make sure that your seat is adjusted to a good driving position and the back of the seat is upright.

Buckling The Shoulder Seatbelt

- Grasp the tongue then slowly pull out the seat belt over the shoulder and across the chest. When the seat belt is long enough to fit, insert the tongue into the lock buckle until you hear a "CLICK" which indicates that the seat belt is securely locked.
- Position the lap portion of seat belt across your pelvic bone (hips), below your abdomen. To remove slack, pull up a bit on the shoulder seat belt. To loosen the lap portion seat belt if it is too tight, tilt the tongue and pull on the lap seat belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision. Ensure that the seat belt running over the body (shoulder segment and lap segment) does not have any twist. Twisted seat belt may not offer effective protection when required.

Releasing The Seat Belt

To release the seat belt, push the red button on the lock buckle. The seat belt will automatically retract to its stowed position. If necessary, slide the tongue down the webbing to allow the seat belt to retract fully.



ⓘ NOTE

The image is provided for reference purpose only.

Fixed Rear Centre Lap Seat Belt

- When buckling, make sure you hear a click confirming that the tab is latched into the seat belt lock. To tighten it, pull the loose end through the buckle until the seat belt is comfortably adjusted around the pelvic bone (hips).

Seat Belt Height Adjustments (if applicable)

If height adjustment is provided in the seat belt, occupant can adjust it to their comfort as may be applicable.

ⓘ NOTE

The above image is provided for reference purpose only.

⚠ WARNING

- Each seat and seat belt assembly must only be used by one occupant only. It is not recommended to put a seat belt around a child being carried on an occupant's lap.
- Be careful not to damage or tamper the seat belt webbing or hardware. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. A frayed or torn seat belt could rip apart in a collision and leave you with no protection.
- If the seat belt webbing or hardware is damaged, get it replaced immediately at TATA Motors Authorized EV service centre.
- Do not insert any items such as coins, clips, etc. into the seat belt buckles, and be careful not to spill liquids into these parts. If foreign materials get into a seat belt buckle, the seat belt will not work properly.
- Do not wear seat belts over hard, sharp or fragile items in clothing, such as pens, keys, spectacles etc.
- Do not use any accessories on seat belts or modify in any way the seat belt system. Devices claiming to improve occupant comfort or reposition the seat belt can reduce the protection provided by the seat belt and increase the chance of serious injury in a collision.

Seat Belts With Pre – Tensioner (if Equipped)

You can use the pre-tensioner seat belts in the same manner as ordinary seat belts.

The seat belt pre-tensioner system works in conjunction with the SUPPLEMENTARY RESTRAINTS SYSTEM (SRS-Airbags).

In the event of a collision, as may be necessary, pre-tensioner tightens the seat belt so that it fits the occupant's body more

snugly. When pre-tensioner activates, there could be some noise and release of smoke. This is normal and there are no health hazards or fire risk.

⚠ WARNING

In a collision, the pre-tensioner seat belt assembly mechanism becomes hot during activation. Do not touch the pre-tensioner seat belt assemblies for several minutes after they have been activated.

If the vehicle is involved in a collision, get it inspected immediately at an authorised TATA MOTORS EV SERVICE Center.

Seat Belt with Load Limiter (if Equipped)

You can use the load limiter seat belts in the same manner as ordinary seat belts.

The seat belt load limiter system works in conjunction with the SUPPLEMENTARY RESTRAINTS SYSTEM (SRS-Airbags).

In the event of a collision, as may be necessary, load limiter reduces the load on the rib cage region of the occupant.

If the vehicle has been involved in a collision, get it inspected immediately at Authorised TATA MOTORS EV SERVICE Center.

Use Of Seat Belts For Pregnant Women

⚠ WARNING

- Pregnant women must wear a correctly positioned seat belt. It is safer for mother as well as unborn child.
- Pregnant women should wear the lap part of the seat belt across the thighs and as snug across the pelvic bone (hips) as possible. Keep the seat belt low so that it does not come across the abdomen. That way the strong bones of the hips will take the force if there is a collision.

Seat Belt Warning Lamp

For Driver For Front Passenger

The seat belt warning lamp reminds you to fasten the seat belt.

- If the driver and passenger do not fasten seat belt, seat belt reminder lamp will blink and a buzzer will sound for pre-defined duration until the driver's seat belt is buckled.
- If front passenger seat is occupied by an adult and if the person does not fasten seat belt, the seat belt reminder lamp will blink and an audio warning will sound for pre-defined duration until the front passenger seat belt is buckled.
- If this system is also provided for other than front row seats, applicable above warnings will appear until seat belts are buckled.
- If front passenger seat is occupied by

child, system may detect occupancy and warn with front passenger seat belt warning. It is not taken to mean child can occupy front passenger seat and use seat belt. Please refer CRS section for recommended seating position.

ⓘ NOTE

Using unauthorized after-market seat cover may affect function of occupant sensor. TATA MOTORS does not recommended any non-validated seat covers on seats.

CHILD RESTRAINT SYSTEM (CRS)

TATA MOTORS strongly recommends the use of Child Restraint Systems (CRS) for all children up to age of 12 years and to be placed at recommended positions only. Children travelling without recommended CRS and seated at other positions may face serious injuries in case of a collision.

CRS can be installed in the vehicle using seat belts and/or ISOFIX only (if equipped) or ISOFIX with Top Tether (if equipped).

The harness system of CRS holds the child in place, and in a collision, acts to keep the child positioned in the seat and reduce the risk if injuries.

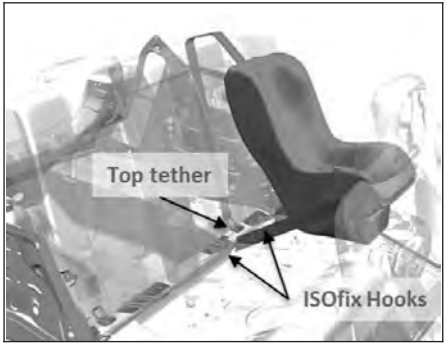
All children below age of one year must always ride in a rear-facing infant CRS.

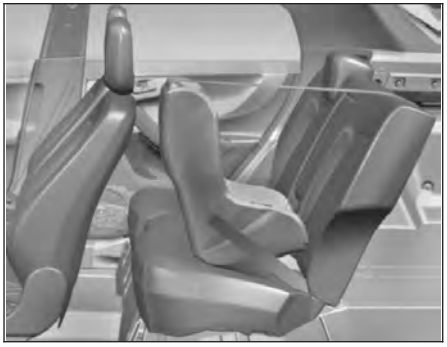
Keep children above age of one year in a forward-facing CRS with a harness until they reach the size or weight limit allowed by your CRS manufacturer.

Once your child outgrows the forward-facing CRS, your child is ready for a booster seat.

Selection And Installation Of Crs:

Always select the CRS that complies with latest safety standards (AIS072 / ECE R44). The CRS are classified according to the child's size, height and weight. Select the appropriate CRS for your child. Ensure that the CRS is securely installed in the vehicle and subsequently the child fits properly in it and wears the harness. For installation, please refer CRS manufacturer's instruction manual.





ⓘ NOTE

The image(s) provided are for reference purpose only.

Recommended CRS Position As Per The Vehicle Matrix

The suitability of seat position for carriage of children and recommended category of CRS is shown in the table below as per the child group.

X - Seat Position not suitable for children in this age group.

U - Suitable for “universal” category restraints approved for use in this age group.

Universal is a category in the AIS072 / ECE R44 norm.

⚠ WARNING

If a child is seated in the front seat it may cause serious injury or even death during any collision.

Group	Mass Group	Age Group	Front Passen-ger	Rear Out-board Lh	Rear Out-board Rh	Rear Center
0	Up to 10kg	Up to 9 months	X	U	U	X
0+	Up to 13kg	Up to 24 months	X	U	U	X
I	9 to 18kg	9 months to 48 months	X	U	U	X
II	15 to 25kg	Approx. 3 to 7 years	X	U	U	X
III	22 to 36kg	Approx. 6 to 12 years	X	U	U	X

⚠ WARNING

If your vehicle is equipped with a front passenger airbag (PAB) and does not have PAB deactivation switch, do not install a rear-facing CRS in the front passenger seat. If the PAB inflates, a child in a rear facing CRS could be seriously injured or killed.

If you install a CRS in the rear seat, slide the front seat far enough forward so that the child's feet does not touch the front seatback. This will help avoid injury to the child in the event of a collision.

ⓘ NOTE

The child's life is at risk in a collision if the CRS is not properly secured in the vehicle. Be sure to secure the child in the restraint system according to the manufacturer's instructions

⚠ WARNING

Do not use an infant carrier or a child safety seat that "hooks" over a seatback, it will not provide adequate protection in a collision.

After a collision, we recommend to get seat belts, seats, ISOFIX and top-tether anchorages (as may be applicable) investigated at TATA MOTORS Authorised EV service centre.

ⓘ NOTE

A CRS in a closed vehicle can become very hot. To prevent burns, check the seating surface and buckles before placing your child in CRS.

⚠ WARNING

- Do not leave unattended children in your vehicle.
- Do not modify CRS in any way.

ⓘ NOTE

- *Do not install a booster seat or a booster cushion with only the lap strap of the seat belt.*
- *Do not install a booster seat or a booster cushion with a seat belt that is slack or twisted.*
- *Do not put the safety seat belt under your child's arm or behind its back.*
- *Do not use pillows, books or towels to boost your child's height.*
- *Make sure that your children sit in an upright position.*
- *Do not allow children to stand up or kneel on either the rear or the front seats. An unrestrained child could suffer serious or fatal injuries during a collision.*
- *Do not leave any toys or other objects loose in the CRS or on the seat while the vehicle is in motion.*

Each CRS should be used for one child only.

When PAB deactivation switch (if provided) is turned ‘OFF’, make sure ‘PAB’ operational status lamp illuminates with ignition ‘ON’, indicating that the passenger airbag is NOT operational. If the airbag SRS warning indicator in the instrument cluster illuminates continuously, it means that there is malfunction in the system. Remove the CRS from front passenger seat and contact your TATA MOTORS authorised EV service center.

ⓘ NOTE

The images provided are for reference purpose only.

SUPPLEMENTARY RESTRAINT SYSTEM (SRS)

The 'SRS' system comprises the following components depending upon the provided safety features in your vehicle.

- Seat belt Pre-tensioners
- Seat belt with load limiters
- Driver Airbag
- Front Passenger Airbag
- Airbag 'SRS' ECU (Electronic Control Unit)
- Collision Sensors
- SRS wiring harness
- SRS Warning lamp

The System is active when ignition switch is in the "ON" position or the ignition mode is "ON". Airbags are designed to inflate in severe collisions. In the event of a collision, the collision sensors will detect signals, and if the airbag ECU judges that the signals represent a severe collision, will trigger the airbags. The inflated airbags provide a cushion to the occupants. The airbag inflates and deflates so quickly that you may not even realize that it has activated. The airbag will neither hinder your view nor make it harder to exit the vehicle.

Airbag inflation is virtually instantaneous and occurs with considerable force, accompanied by loud noise and smoke, which is normal. The inflated airbag, together with seat belts, limit the movement of an occupant, thereby reducing the risk of injury.

When an airbag inflates, you may see some smoke-like particles. The particles are a normal by-product of the process that generates the non-toxic gas used for airbag inflation. These airborne particles may irritate the skin, eyes, nose, or throat. If you have skin or eye irritation, rinse the area with water. For nose or throat irritation, move to fresh air. Also sometimes the smoke can cause breathing problems. In such cases, it is recommended to get fresh air promptly.

After inflation, airbag provides a gradual cushioning effect for the occupant thereafter deflates. It is not advisable to drive your vehicle after the airbags have been deployed. If you are involved in another collision, the airbags will not be in place to protect you.

ⓘ NOTE

The image is provided for reference purpose only.

ⓘ NOTE

- *Open your windows and doors as soon as possible after collision to reduce prolonged exposure to the smoke and powder released by the inflating airbag.*
- *Do not touch the airbag container's internal components immediately after an airbag has inflated. The parts that come into contact with an inflating air bag may be very hot.*
- *Always wash exposed skin areas thoroughly with lukewarm water and mild soap.*

The driver airbag is mounted in the centre of the steering wheel. The front passenger airbag is located inside the dashboard in front of the passenger seat. The vehicle fitted with the airbags have suitable indications on steering wheel and on dashboard. The word 'AIRBAG' is embossed on the airbag covers.

⚠ WARNING

- Even in vehicles with airbags, you and your passengers must always wear the seat belts provided. In order to minimize the risk and severity of injury in the event of a collision.
- ALWAYS use seat belts and CRS – during every trip and at all times. Even with airbags, you can be seriously injured or killed in a collision if you are not wearing seatbelt properly or not wearing the seatbelt at all when the airbag inflates.
- You and your passengers should never sit or lean unnecessarily close to the airbags.
- Move your seat as far back as possible from front airbags, while still maintaining control of the vehicle.
- All occupants should sit upright with the seatback in an upright position, centred on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor until the vehicle is parked and the motor is turned off.
- If an occupant is out of position during collision, the rapidly deploying airbag may forcefully contact the occupant causing serious or fatal injuries.
- Do not allow the front passenger to place their feet or legs on the dashboard.
- Do not allow the passenger to ride in the front seat when the front passenger airbag indicator is OFF indicator is illuminated.

Wrong Seating Positions






ⓘ NOTE

The above image is provided for reference purpose only.

⚠ WARNING

- Never make any modifications to your vehicle. The modifications carried out, but not limited to the vehicle frame, bumpers, front fenders, ride height, suspension, seat belts, interior trims, steering wheel (especially holders), are not acceptable.

This will affect the intended performance of SRS.

- Fitment of bull bars, seat covers on seats with airbags etc, is strictly prohibited, unless authorised by TATA MOTORS. This will affect the intended performance of SRS.
- If you need to make any modifications to accommodate any disability you may have, please contact your Authorized TATA MOTORS EV Dealer for necessary guidance.
- Do not tamper with SRS in any way. This will lead to unexpected performance of system and may cause serious injury or death.

⚠ WARNING

If your SRS malfunctions, the airbag may not inflate properly during a collision thereby increasing risk of serious injury or death. If any of the following conditions occur, your SRS is malfunctioning:

- The SRS warning lamp does not turn ‘ON’ when the ignition switch is placed in the ‘ON’ position for few seconds.
- The SRS lamp stays ON after illuminating.
- The SRS warning lamp comes ‘ON’ and stays ‘ON’ while the vehicle is in motion.
- The SRS warning lamp blinks when the motor is ON.

We recommend the customer to immediately visit TATA MOTORS authorised EV service centre and get the SRS system inspected if any of the above conditions occur.

Airbag Warning Sticker On Front Passenger Sun Visor

The Airbag Warning Symbol on sun visor reminds of the extreme hazards associated with the use of a rearward-facing child restraint on front passenger seat during airbag deployment.

It does not mean that a child can occupy front passenger seat and use seat belt. Please refer CRS section for recommended seating position for children.

⚠ WARNING

Do not use a rearward facing child restraint on a seat with by an active airbag in front of it. Death or serious injury to the child can occur.

Airbags Deployment Conditions

When the front airbags should not deploy?

Minor frontal collision: Seat belt (if fastened) offers adequate occupant protection in low severity collisions. The airbags are deployed only when there is a collision severe enough to trigger the airbags. Deployment of frontal airbags is not beneficial in low severity collisions.

Side collision: During a side collision, occupants tend to move sideways. Therefore, deploying frontal airbags in such situations will not benefit the occupants.

Rear collision: During a rear collision, occupants tend to move (rearwards) away from frontal airbags. Therefore, deploying frontal airbags in such situations will not benefit the occupant protection. Head restraints and seat belts (if fastened) provide occupant protection during a rear collision.

Rollover collision: During a rollover collision, occupants not wearing seatbelts may float inside the passenger compartment. This will increase the risk of injuries and may prove to be fatal. Wearing seat belts provide highly effective occupant protection during rollover collision. Front airbags are not designed to deploy in a rollover as frontal airbags cannot offer any protection in rollover collision.

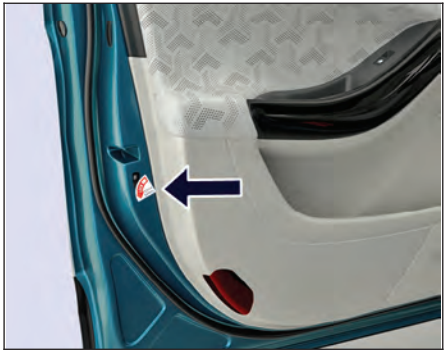
When do front airbags deploy with minor or no visible vehicle damage to the car?

The airbags are triggered only when there is a collision severe enough to trigger the airbags. The extent of vehicle damage is not always the correct indicator for airbag deployment. In some extreme/rare conditions of rough road driving or running into a curb or hitting other fixed objects, the airbags may deploy depending upon the severity of collision. In some of these cases, the damage to the vehicle may be minor or not be readily visible.

Why front airbags do not deploy, even with exterior visible vehicle damage to the car?

The airbags are triggered only when there is a collision severe enough to trigger the airbags. The amount of visible vehicle damage is not always the correct indicator for airbag deployment. Some collisions can result in visible damage but with no airbag deployment, because the airbags would not have been needed or would not have provided protection even if they had deployed. Seat belts, if fastened, offer adequate occupant protection in such cases.

CHILD LOCK



Both the rear doors of the vehicle are provided with a child proof lock. Push the lock lever (located on vertical face of the door) downward before closing the door. The door which has been locked by activating the child lock cannot be opened from inside. It can be opened only from the outside.

ⓘ NOTE

Lift the lock lever upward to deactivate the childproof lock when not required. Child safety lever to be used for safety of child for preventing them to open rear door while seating in passenger seat to avoid accident while vehicle is moving.

ANTI-LOCK BRAKING SYSTEM (ABS)

ABS regulates brake pressure in such a way that the wheels do not lock when you brake. This allows you to continue steering the vehicle when braking.

The ABS warning lamp in the instrument cluster lights up when the ignition is switched on. It goes off after a few seconds if the system is healthy.

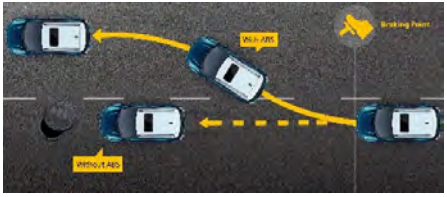
⚠ WARNING

- If ABS is faulty, the wheels could lock when braking. The steer ability and braking characteristics may be severely impaired. There is an increased danger of skid-ding and accidents.
- Drive carefully. Have ABS checked immediately at a TATA MOTORS Authorized EV Service Centre as soon as possible.

While Braking

- If ABS intervenes: continue to de-press the brake pedal vigorously until the braking situation is over.
- To make a full brake application: depress the brake pedal with full force.

If ABS intervenes when braking, you will feel a pulsing in the brake pedal. The pulsating brake pedal can be an indication of hazardous road conditions, and functions as a reminder to take extra care while driving.



⚠ WARNING

- The stopping distance required for vehicles with ABS may be slightly more than conventional brake system but ABS will still offer the advantage of helping you maintain directional control.
- However, remember that ABS will not compensate for bad road or weather conditions or poor driver judgment. Drive within safety margins taking into consideration into consideration prevailing weather and traffic conditions.

ELECTRONIC BRAKE FORCE DISTRIBUTION (EBD)

EBD monitors and controls the brake pressure on the rear wheels to improve driving stability while braking.

EBD provides optimal braking pressure distribution between front and rear wheels to optimize braking distance and to ensure vehicle stability by means of lowering braking pressure at rear wheels.

⚠ WARNING

- If EBD is malfunctions, the rear wheels can lock under full braking. This increases the risk of skidding and accidents.
- You should therefore adapt your driving style to the different handling characteristics. Have the brake system checked immediately at a TATA MOTORS Authorized EV Service Centre as soon as possible.

KEYS

A key is an electronic access and authorization system which is provided as a standard feature on your vehicle.

Unlocking Principle

The transponder which is built into the ignition key carries a unique identification code. The vehicle unlocks when the code on the key matches with the code on the PEPS.

Loss Of Keys

If one of the keys is lost, contact your nearest TATA MOTORS authorised EV dealer immediately.

⚠ WARNING

- Do not turn 'ON' the ignition using key with any type of metal wound around its grip or in contact with it.
- Do not leave the key in areas of high temperature. The transponder in it will behave abnormally when reused.

ⓘ NOTE

UID key fob are provided with PEPS. Use only one key. The spare should be kept in a safe location. Note down "key Tag no." information (and keep it safe) which is required while getting new/spare keys. Remember that it is not possible to prepare new/spare keys without the "key Tag number."

Keys (as applicable)

Sr.no	Name	Remote Key	Description
1	Smart Key		1. Locking all doors 2. Approach light 3. Unlocking all doors 4. Tail gate opening

Smart Key

Keep the smart key with user to perform the passive access. It is used for locking, unlocking and starting the vehicle.

1. Locking all doors
2. Approach Light
3. Unlocking all doors
4. Tail gate opening

1. Locking All Doors

Pressing the Lock button (1) once. Remote locks all the doors of the vehicle.

Please refer section starting and driving for more information.

2. Approach Light

Press approach light button (2) once, low beam, positon, roof lamp will turn 'ON'. This feature helps to find and reach the parked vehicle or to reach home in dark/ cloudy condition. To switch 'OFF' the approach lights, press and release the same button or it automatically turns 'OFF' after certain time.

3. Unlocking All Doors

Pressing the unlock button (3) once. Remote will unlock all the Doors. Please refer section starting and driving for more information.

4. Tail Gate Opening

To open the Tail gate press the button (4) once on the smart key, Tail gate will unlatch. Please refer section starting and driving for more information.

ⓘ NOTE

If smart key battery is low/drained or vehicle battery is low/drained, user can unlock and enter into vehicle by using mechanical key blade. Present inside the smart key. Refer 'Starting and Driving' section for more information.

Key Blade In/out

Slide the knob (1) to unlatch the key. Pull the key blade (2) out.

Smart Key Features

Vehicle Search

In vehicle locked condition if lock button on remote key is pressed the turn indicators of vehicle flashes 2 times.

Auto Locking / Unlocking Of Doors / Auto Relock

In case of PEPS variants, door will get unlocked when ignition is OFF by pressing Start Stop switch.

Anti-grab / Anti-scan Coding

The remote control set of this security system is protected against the use of devices called ‘scanners’ and ‘grabbers’ which can record and reproduce some types of remote codes.

Important

- Don’t operate Unlock button of remote while not in the vicinity of your vehicle, as it could lead to an unintentional unlocking your vehicle.
- For battery, replacement procedure refer ‘MAINTENANCE’ section.
- Don’t remove the battery connection of the vehicle while the vehicle has been locked by remote.

Smart Key Precautions

1. If smart key is close to radio transmitter such as radio station or an airport which can interfere with normal operation of the transmitter.
2. If smart key is near a mobile two way radio system or a cellular phone, then it is not working properly.
3. If another vehicle’s smart key is being operated close to your vehicle, signal is fluctuated.

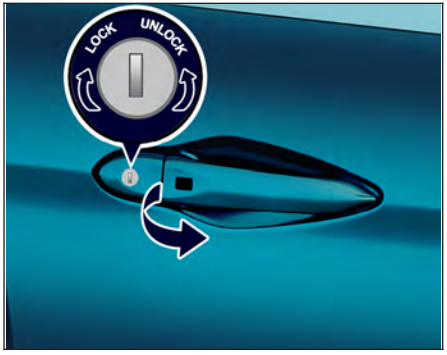
⚠ WARNING

Keep smart key away from electromagnetic materials that blocks electromagnetic waves to the key surface.

DOORS

Door Locking/unlocking With Key (if applicable)

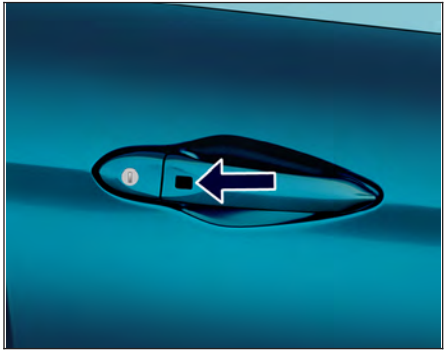
Driver / co-driver doors can be locked or unlocked from outside using the key blade.



Insert the key and turn it clockwise to lock and anticlockwise to unlock the door.

Door Locking / Unlocking Using Door Handle Switch (DHS)

To lock/unlock all the doors without operating smart key button/ key blade. Press the door handle switch (DHS) provided on the driver door to lock/unlock all the four doors except Tail gate.



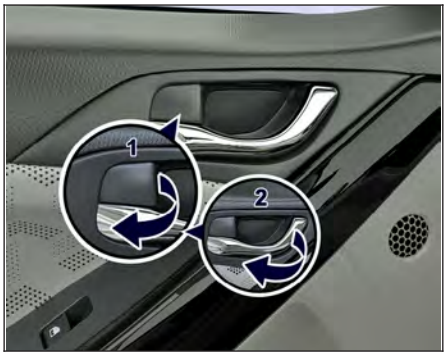
ⓘ NOTE

- *Authentication range for smart key shall be 1 to 1.5 metres from outside the respective door or tail gate.*
- *Passive entry only works during ignition off.*

Locking Without A Key From Inside

All the doors can also be locked from inside by pressing knob on driver door and independently on other doors respectively.

Opening The Doors From Inside



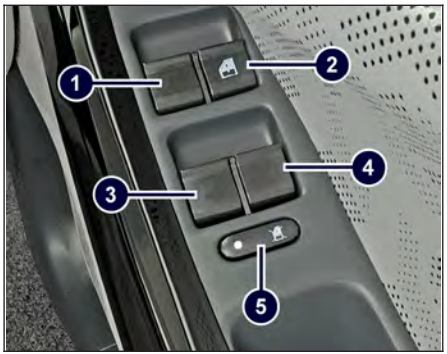
All doors can be opened from inside. To open, pull the door opening knob (1) and then lever (2).

ⓘ NOTE

There is a single pull override feature on driver door. All door can be unlocked by inner handle without operating lock knob of inner handle.

WINDOWS

Power Windows (if equipped)



1. Front Window Winding Switch (Left)
2. Front Window Winding Switch (Right)
3. Rear Window Winding Switch (Left)
4. Rear Window Winding Switch (Right)
5. Inhibit Switch

Window glasses on all four doors can be operated by switches provided on the main control panel located on the driver's arm rest. They work only when the key is in the 'IGN ON' position.

ⓘ NOTE

Power windows can be operated for 30 sec. in 'IGN OFF' and 'KEY OUT' position, provided doors are not open.

Express Down (if equipped)

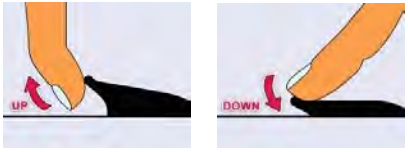
Window glasses can be opened by a single long press of the switch. Express down feature is provided for driver door only.

ⓘ NOTE

The images provided are for reference purpose only.

Individual Switches

Individual window winding switches have been provided on the front passenger and rear doors.



Glasses are wound up by pulling the switch and are lowered by pressing it.

⚠ WARNING

While raising the glass, take care to avoid fingers/hands getting trapped between glass and the door frame.

Inhibit Switch

Inhibit Switch On

When switch is pressed, red light turns ‘OFF’. The individual switches provided on rear and front passenger door cannot be operated. Still it can be operated from the switches on driver’s arm rest.

Inhibit Switch Off

When switch is pressed, red light turns ‘ON’. The individual switches provided on rear and front passenger door can be operated. It can also be operated from the switches on driver’s arm rest.

⚠ WARNING

- If children operate the windows they could be get trapped, particularly if they are left unsupervised. There is a risk of injury.
- Activate the window inhibit feature when children are travelling. When leaving the vehicle, always take the key with you and lock the vehicle. Never leave children unsupervised in the vehicle.

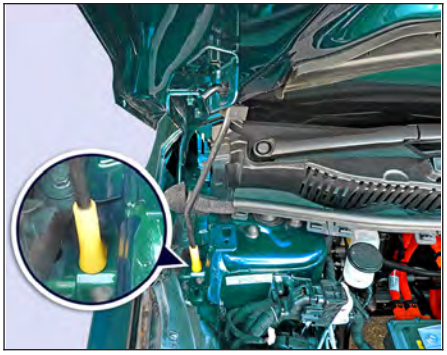
BONNET OPENING

1. Make sure that the vehicle is in neutral and the parking brake is engaged.
2. Pull the bonnet release lever. The bonnet will pop up slightly.
3. Raise the bonnet slightly and with your finger slide the secondary lock lever located under the bonnet center.

ⓘ NOTE

Make sure that the wiper arms are not raised before you lift up the bonnet to avoid damaging the wiper arms and the bonnet.

4. Lift the bonnet up. Pull the bonnet stay rod from its clip and insert the free end into the slot provided on frame.



⚠ WARNING

- The stay rod can be hot enough to burn your finger right after driving. Touch the rod after it becomes cool enough.
- Insert the stay rod into the hole securely. If the rod drops off, your body may be caught below the bonnet.

Closing

1. To close the bonnet, hold the bonnet by one hand, disengage the stay rod and clamp it back properly.
2. Lower the bonnet close to the bumper, then let it drop down.

⚠ WARNING

Ensure that the bonnet is properly locked before driving or it can fly up unexpectedly during driving.

TAIL GATE OPENING

ⓘ NOTE

Some variants may have multiple options to open tailgate.

Option I

When user presses the tail gate button on remote, the tail gate gets unlatched.

⚠ WARNING

The tail gate can be unlatched using smart key by pressing tail gate button on smart key and pressing tail gate door handle switch within 30 seconds.

Option II

To open the Tail gate, press the switch located on fascia switch.

ⓘ NOTE

- *If vehicle is in locked condition then tail gate unlatch via fascia switch will work only when the car is in ON condition.*
- *If vehicle is in unlocked condition then Tail gate unlatch via fascia switch works in ignition ON as well as ignition OFF condition.*

Option III

If vehicle is locked and Tail gate is closed and Tail gate DHS switch is pressed with valid smart key in the authentication range, tail gate gets unlatched.

On closing the Tail gate door, it gets locked. When you close the tailgate, if doors are in locked condition and if valid smart key is inside the trunk, then the tailgate gets unlocked.

ⓘ NOTE

- *Once tailgate is unlatched, it will not get locked automatically with other doors.*
- *If doors are in unlocked condition, tailgate can be unlocked via tailgate handle switch without smart key.*
- *Avoid keeping smart key inside the boot space area while closing tailgate.*

⚠ WARNING

Tail gate can't be locked using mechanical key/ flip key/ smart key. It can be locked by slamming it.

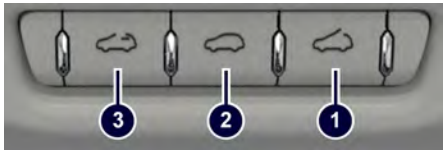
OPENING BATTERY CHARGE FLAP

To unlatch the flap, pull the lever located on the right hand side below the driver seat.

If charge cap needs replacement, make sure that it is replaced by a genuine cap at TATA MOTORS Authorized EV Service Centre only.

POWER SUNROOF (if applicable)

Opening And Closing The Power Sunroof



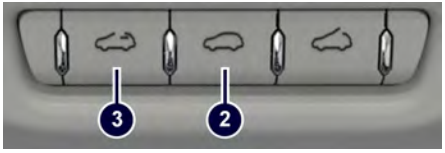
To operate the sliding sunroof, push the switch as shown in fig. Position of the switches (1) to (3).

Switch Position	Function
1	Open tilt/vent sunroof
2	Close sliding / tilt sunroof
3	Open sliding sunroof

ⓘ NOTE

You must switch on the ignition to operate the power sunroof. After switching off the ignition, you can still open or close the power sunroof for a few cycles as long as the driver or front passenger door has not been opened.

Sunroof Open / Close Position



Opening Sunroof When The Sunshade Is Closed

Press the sunroof control button (3). It will open both the sunshade and sunroof glass completely.

Long press the control button (3) to enter manual mode and stop the sunroof at desired position or full open position.

To stop the sunroof movement at any point, press the sunroof control button (2) momentarily.

Closing The Sunroof When It Is Fully Open

Press the sunroof control button (2) to close, glass will slide all the way to close position.

Long press the control button (2) to enter manual mode and stop the sunroof at desired position.

ⓘ NOTE

- *When the sunroof closes, the sunshade is partially closed. However, the sunshade will be in an accessible position so that the user can close it manually.*
- *Sunshade can open fully only when the sunroof is completely open. Otherwise the sunshade can only be partially opened.*

Sun Shade Open/close Position

To fully Open/Close the Sun Shade

Manual Open Of Sunshade-handle Manual Mode

Hold shade handle by hand, pull and move sunshade in the rearward direction.

Sunshade will not slide beyond a point. Once movement is stopped, do not try and force the sunshade to close further.

Manual Close Sunshade-handle Manual Mode

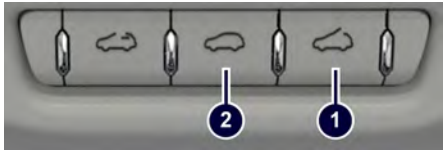
Hold shade handle by hand, and push and move sunshade in the forward direction.

Sunshade can move to full close position.

ⓘ NOTE

Sunshade can close completely only when glass fully closed.

Sunroof Tilt/vent Position



To Tilt/vent The Sunroof Open

Push the sunroof control button (1) to tilt/vent upward.

To Close The Sunroof Tilt/vent

Press the sunroof button (2) to close tilt/vent.

Pinch protection for the power sunroof are as follows:

1. Pinch protection has a range 4 mm to 200 mm from the cutout.
2. Pinch force is more than 100 N.
3. Pinch protection can help reduce the risk of pinching injuries when closing the power sunroof.
4. If the power sunroof closing meets resistance or there is something in the way, the power sunroof opens again immediately.
    1. Check why the power sunroof did not close.
    2. Try to close the power sunroof again.

ⓘ NOTE

If the power sunroof malfunctions, pinch protection may not function properly. Visit the TATA MOTORS Authorized EV Dealer/Service Center immediately.

⚠ WARNING

- Without pinch protection, the power sunroof will close with enough force to cause serious personal injury.
- Always be careful when closing the power sunroof.
- Pinch protection cannot prevent fingers or other parts of the body from being pressed against the edge of the roof; may result in injuries

Re-initializing The Power Sunroof

Initializing The Sunroof

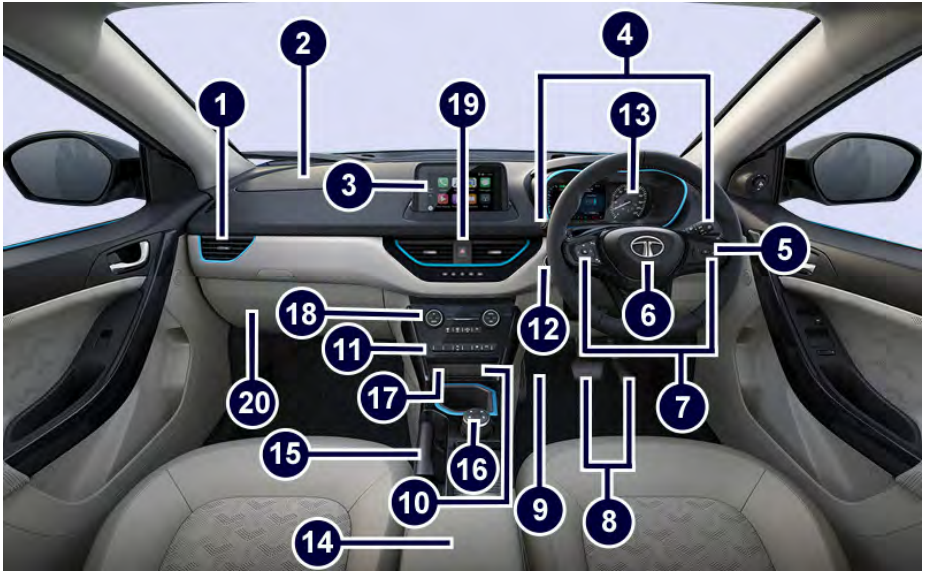
1. If the sunroof is stopped midway due to a discharged battery or power failure, you need to reset the starting point of the sunroof. In addition, the following cases need reset of the starting point for the sunroof.

2. The sunroof does not completely close or open by operating the switch once.

3. The sunroof slides back to close. But the operation does not stop even after a complete close and tilts up the sunroof.

4. The opening gap remarkably decreases for the sliding open or tilt up.
5. Operation of the sunroof switch does not do anything or work properly.
6. The operating process is not same as before due to discharged or disconnected battery.

COCKPIT



1	A.C. Air vent
2	Airbag (PAB)
3	Infotainment Display
4	Combi-Switch
5	Horn pad
6	Airbag (DAB)
7	Steering mounted controls
8	Controls
9	Foot rest
10	USB port
11	Fascia switches
12	Start/Stop switch
13	Instrument cluster
14	Foldable Arm-Rest (if fitted)
15	Parking Brake Lever
16	Gear selection knob
17	Power socket
18	FATC Control panel
19	Hazard Warning Switch
20	Glove Box

INSTRUMENT CLUSTER

The purpose of this section is to elaborate Instrument cluster features applicable for Nexon EV. The instrument cluster consists of tell-tales, speedometer, drive mode indicator, charge graph and driver information system among other information.

Analog Speedometer

The Speedometer indicates the vehicle speed in kmph. If speed exceeds more than the limit, then the 'Speed Limit' telltale indicator lights up in the cluster to indicate the initial warning.

Whenever the ignition is ON, the speedometer needle moves to MAX and returns to '0' position. This is welcome strategy and self-check feature. If the speedometer is not showing the vehicle speed when the vehicle is moving, take your vehicle to TATA authorized EV service center.

Digital Soc Gauge

SoC (State of Charge) gauge indicates the battery state of charge to user in percentage. If SoC reaches low limit value then over the SoC gauge blinking will starts to indicate the criticality of the charging to the user.

Fig 2: SoC Gauge % levels

⚠ CAUTION

- When battery SoC goes below 25%, gauge will turn to Amber.
- When battery SoC goes below 10%, gauge will turn to Red.
- When battery SoC goes below 5%, red portion in gauge will start blink ing with audio warning.
- Do not drive the vehicle with low SoC.

Figure 1: SoC Display in IGN ON

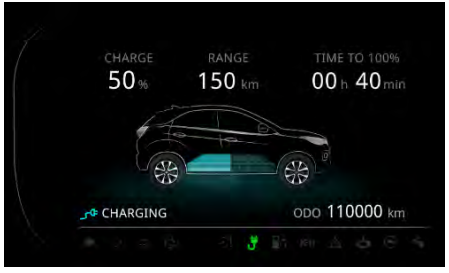
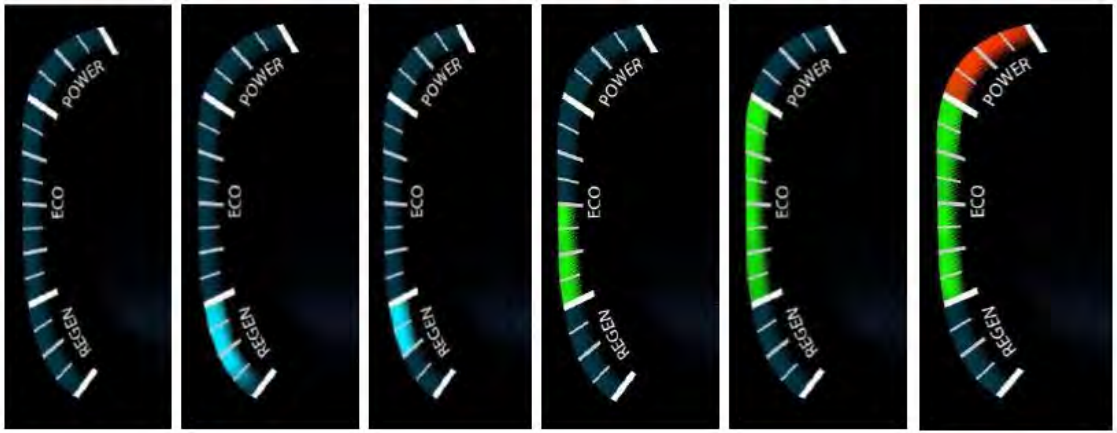


Figure 4: SoC Display in IGN OFF

EV Mode Gauge

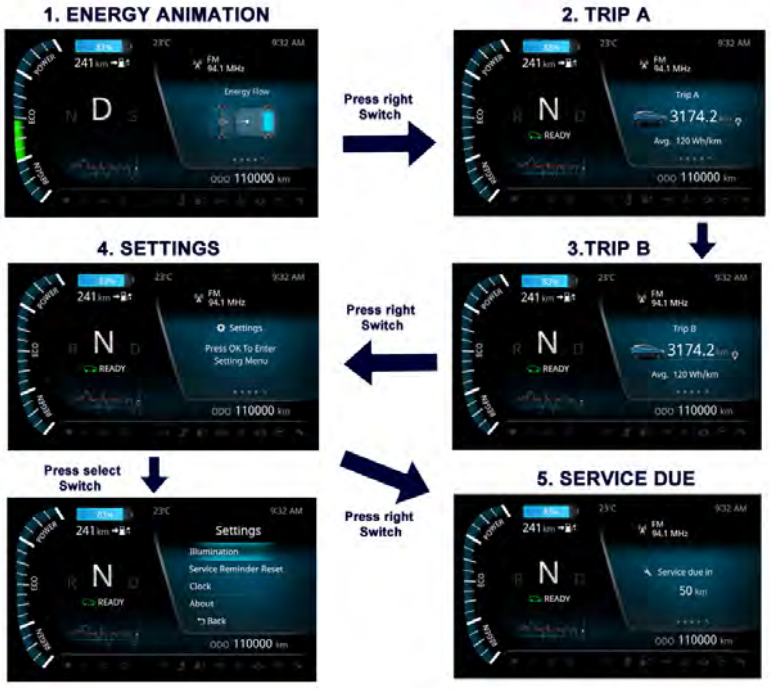


- This function provides instantaneous power consumption mode of vehicle during driving and displayed in the instrument cluster.
- During the IGN ON of the vehicle, EV mode gauge goes from ECO mode to POWER and then back to the ECO mode. This is welcome strategy.
- In ECO mode, green colored band will fill as per the power consumed in ECO drive by taking instantaneous power consumption input.
- In POWER mode, red colored band will fill as per power consumed in Power drive by taking instantaneous power consumption input.
- In REGENERATION mode, blue colored band will fill as per energy recuperation while driving by taking instantaneous power consumption input.

DRIVER INFORMATION SYSTEM

- Press the left and right arrow buttons on right hand side of steering wheel to see the TRIP A, TRIP B and settings and energy flow animation.
- Press the set switch in the middle of Steering Wheel Switch pack with TFT screen in In Trip A or Trip B mode. Select “Yes” to reset Trip meter.

Driver Information Screen Flow



- When service reminder page is activated, operate the set switch in the Steering Wheel to reset the service reminder page.
- With steering mounted controls, user can set the clock or increase brightness of cluster and infotainment screen when driving in the night.

ⓘ NOTE

The images provided are for reference purpose only.

TRIP A Screen

TRIP B Screen

Odometer

- Odometer Indicates distance traveled by vehicle within the range of 0 km to 999999 km with the resolution of 1 km.
- The odometer reading freezes when it reaches maximum value.

Trip Meter A/trip Meter B

- Trip A/Trip B Indicates distance traveled by vehicle since last reset within the range of 0 km to 9999.9 km with the resolution of 0.1 km.
- Trip A/B can be RESET to 0 by pressing Set switch when display is in a TRIP A/B mode.
- In Trip A screen page, user will get information about total Trip A distance travelled, along with Average energy consumption value during the trip in Wh/km, same for the Trip B screen also.

⚠ CAUTION

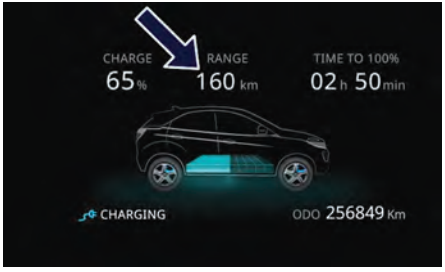
When Trip A value is displayed as '- -' km instead of a value and if average energy consumption value is displayed as '- -' wh/km instead of integer value, then take the vehicle to TATA authorized EV service center.

Range

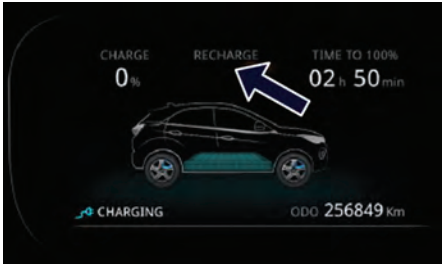
- DTE indicates approximate distance (km) that the vehicle can travel with current charge.
- DTE shall be indicated both in IGN ON & IGN OFF conditions.

- This value may differ from the actual driving distance.
- 'RECHARGE' will be displayed below the SoC gauge when State of Charge (SoC) is low and that it's the time to take your vehicle to the nearest charging station.

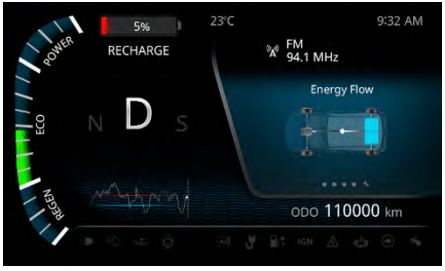
Range At Ignition Off During Charging



Charging When Ign Is Off



'RECHARGE' Symbol When State Of Charge Is Low



Settings Screen

User can enter into settings by pressing select button while being in setting screen.

Following screen shall be seen after entering into setting screen:

NOTE

- *To adjust illumination, the position lamp should be ON.*
- *When the service reminder page is activated then only Ser-vice Reminder Reset option will be enabled or else the option will not be available.*
- *Time will be reflected in instrument cluster from infotainment unit. For variants without infotainment unit, the clock settings can be adjusted from instrument cluster.*

Illumination Setting

User can select Illumination Settings on the steering wheel by scrolling down and pressing Set button in 'Settings' screen.

User can increase or decrease the brightness intensity from (20% to 100%) in 5 steps by using right arrow & SET Button

The illumination is intended to provide for easy viewing of gauges, displays and other warning devices in all light conditions on Cluster Display.

Service Reminder Reset

- User can select Service Reminder Screen using controls on steering wheel to navigate & by pressing Set Button in Settings Screen.
- Service reminder is a feature to alert the user for service action.
- When distance since last service meet the maximum distance criteria, a service screen will get activated for the user to indicate the service of the vehicle has to be done along with the telltale indication.
- User can reset the Service Reminder Symbol by right/left & SET buttons on the steering wheel.
- In the Setting menu if there is no user input for 10 seconds the previous screen shall be displayed.

NOTE

In the Settings menu, if there is no user input for 10 seconds, then the previous screen will be displayed.

Digital Clock

Instrument Cluster equipped with digital clock which indicates current time in 12/24 hours mode. Clock mode can be changed either through Instrument Cluster setting screen or through Infotainment system setting screen, refer infotainment system manual for the same.

When infotainment system is present, clock setting will be disabled in cluster. When infotainment system is absent, user can set clock through steering wheel switches.

NOTE

The images provided are for reference purpose only.

Clock Setting

- User can select Clock Setting by Scroll down & pressing Set Button in Setting Screen.
- Selected field will be highlighted as shown in image.
- User can change the clock setting by following ways: On any mode hour/minute/AM/PM/24 hour format press select button to toggle between editable and non editable state.
- User can change to 24 hour format/hour/minute/AM/PM to set the time and finally by pressing SET option to set the time or CANCEL to close and move to the previous screen.

Outside Ambient Temperature

- This displays outside ambient temperature in units of °C with the resolution of 1°C.
- The temperature sensor is in the front bumper of the vehicle, therefore the temperature reading can be affected by heat reflection from the road surface, motor heat and the exhaust from surrounding traffic.

- This can cause an incorrect temperature reading when vehicle speed is under 30 kmph or when it is stopped.

ⓘ NOTE

If display shows OAT temp as "— ", take your car to a TATA authorized EV service Centre.

Service Reminder

- Service reminder is a feature to give prior and overdue information about service of vehicle to the user for proper vehicle maintenance.
- There are two types of service reminder i) By days ii) By km

By km

- The service reminder shall come at every 7500 kms and it shall be pop up before 500kms of due (i.e. 7500-500=7000km) and it shall be subtracted from the distance travelled.

By days

- The service reminder shall come at every 180 days and it shall be pop up before 30 days of due time(i.e 180-30=150 days) and it shall be subtracted from the days crossed.

By km overdue

- The service reminder overdue shall come if the due km is crossed and it shall be displayed every time when IGN is ON and it shall be minimised in the TFT i.e., till next 999km after due.

Due day

- The service reminder overdue shall come if the due days is crossed and it shall be displayed every time when IGN is ON and it shall be minimised in the TFT i.e For next 45 days after due.

ⓘ NOTE

Take the vehicle to the authorized TATA EV service station between the regular intervals of service reminder notification days/km in the screen and do not reset the service reminder before the service. It shall be reset by the Authorized person during the service.

Gear Indication

- This function displays current gear status of the vehicle.
- The gear displays has the value R, N, D, S.
- When user enters the Sport mode , the cluster HMI theme will change to RED. It will return to normal theme when the user selects any other mode.

ⓘ NOTE

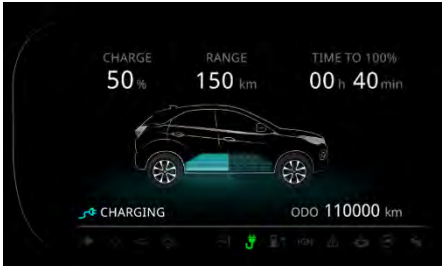
When there is a failure in the system, instead of displaying R, N, D or S, 'FAULT' message will be displayed. If 'FAULT' is displayed instead gear position, take your vehicle to authorized TATA EV service centre to get it repaired.

Door Ajar

- This function indicates the door open state to user.
- Door open state shall be shown graphically as below with the timeout of 5 seconds after which the door open tell tale symbol lights up until the door(s) is open.

Time To Charge

- This function indicates the time required to complete charging.
- Time remaining to charge displayed on cluster in hours & minutes.



ⓘ NOTE

Time to charge screen comes only in charging ON and IGN OFF condition for 60 sec and 5 sec for every interrupt.

Vehicle Status Ready

- This function displays that vehicle is ready to move after first cranking.

When vehicle is not ready or if it is in motion:

Charger Connected

- This function displays the Charger Connected status information.

When charger is not connected:

When charger is connected in IGN ON:

When charger is connected in IGN OFF:

Energy flow animation screen and Energy histogram:

- This animation shows flow of energy from wheel to battery or battery to wheel while driving.

- Energy Histogram represents the instantaneous energy at any point of time and is represented in the form of line-graph.

ⓘ NOTE

The images provided are for reference purpose only.

Animation 1:

The following screen shows energy flow from battery to motor when the vehicle is moving forward.

ⓘ NOTE

The images provided are for reference purpose only.

Animation 2

The following screen shows energy flow from motor to battery when the vehicle is moving in reverse.

Alert Messages

Door Ajar:

- This function indicates the door open state to user.
- Door open state will be shown graphically as below with the timeout of 5 sec after which respective door open state in minimized telltale will be displayed on cluster.

Press brake pedal:

The display timeout for Press Brake message is 5 seconds.

Display Messages

The messages shall be displayed in the screen for 3 seconds based on the priority. The alerts along with message & animation shall be displayed in cluster for 5 seconds.

Alerts	String On TFT Screen
Door Ajar	Respective Door Open
Steering Wheel Alignment	1. Steering Wheel Alignment 2. Steering Wheel Aligned
ESCL	Press Start Button While Turning Wheel
Steering Failure, Please Stop Driving	Steering Failure Stop the Vehicle Safely
Steering Failure, Please Visit Garage	Steering Failure Contact Service Center
No Key	Smart Key Out of Range
Low Key Battery	Smart Key Battery Low
Press Brake Pedal	Press brake pedal to start vehicle
Tea Break	Take a break
Owner's Birthday	Happy Birthday
Key Fob + Park Brake Reminder	1. When Park brake is engaged: Take key Fob Out 2. When Park is disengaged: Take Key Fob Out Engage Park Brake
Service Reminder Days	Service Due in/Service Overdue days
Service Reminder km	Service Due in/Service Overdue km
Park Brake Engaged	Park Brake Engaged
Charging Full	Battery Fully Charged Remove Charger Safely

Alerts	String On TFT Screen
Charging below 100% & Removed Charger	Battery XX% Charged Range YYY km
Battery Low & user changes gear to S	Sport Mode Not Recommended
Charging ON Park brake OFF	Engage Park Brake to start charging
HV Critical alert	Critical Alert Contact Service Center
Slow Down Vehicle Speed	Slow Down to Turn Off Vehicle
Fasten Seat Belt - Driver	Fasten Driver Seat Belt
Fasten seat belt co-driver	Fasten Co-Driver Seat Belt
LV Battery charge indication	Charging Fault Contact Service Center
EV system warning (Limp Home Mode)	Limited Performance Mode Activated
Low HV battery indication	Battery Low Need to Charge
High Temperature Motor	Motor Temp.High Contact Service center
High Temperature Battery	Battery Temp.High Contact Service center
Speed Limit Warning	Over Speeding Detected Slow Down

Infotainment Information In The Instrument Cluster

In this feature, the information including media data, navigation data is shared from infotainment and projected in the instrument cluster. However, this information will not be displayed if Settings screen is requested.

Following are the sources information can be made available on the cluster,

1. FM source icon with station name.
2. AM source icon with station name.
3. USB device icon with music and videos names.
4. Android Auto icon with music and navigation display.
5. Car Play icon with music and navigation display.
6. Bluetooth device icon with music, calls and text information.

High Temperature Warning

If the HV battery or motor temperature is running high, the respective warning telltale flashes with an audio warning.

In this case, stop the vehicle, switch 'OFF' the motor and cool it down for some time. Contact a nearest TATA MOTORS Authorized EV Service Centre immediately for rectification.

⚠ WARNING

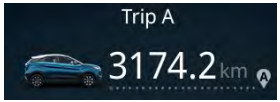
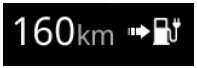
- The HV battery/motor high temperature warning telltales indicates overheating that may damage the core components. Continuing to drive the vehicle when motor over

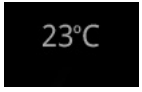
  heating is indicated can result in severe motor damage or fire.
- Never remove the radiator pressure cap from the radiator when the motor is hot. Do not restart the motor until the problem has been duly attended.

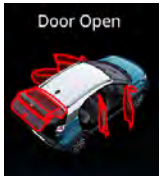
Range/battery Soc

It indicates approximate distance in 'km' that your vehicle can travel with available charge in battery.

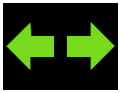
The values may vary significantly based on driving conditions, driving habits, and condition of the vehicle. It is an estimate value of the available driving distance.

Driver Information	System Image	Description
Odometer		Indicates distance travelled by a vehicle. The odometer reading does not return to “0” when maximum value is reached, the display will freeze to maximum value.
Trip meter A and B		The trip meter can be used to measure the distance travelled on short trips or between stops for charging. It can be reset to “0”.Trip meter reading becomes “0.0” after it crosses 9999.9km.
Distance To Empty		Indicates approximate distance that your vehicle can travel with available range under current average range and it is displayed in “km”. ***NOTE:*** Irrespective of DTE value, please charge your EV if the low charge warning is turned ON.
Clock		Indicates current time in AM/PM mode. Clock time can be changed using ‘SET’ & ‘MODE’ knob. Whenever the battery terminals or related fuses are connected, you must reset the clock time. This feature is available when ignition switch is in ‘ON’ position. ***NOTE:*** *Clock settings can also be changed through infotainment system. For more information, refer infotainment manual.*

Driver Information	System Image	Description
Service reminder		Service reminder is the feature to give the prior and overdue service information of the vehicle to the user for proper vehicle maintenance. ***NOTE:*** *This option is for indicative purpose only. Keep track of your odometer reading and follow the maintenance schedule.*
Gear position indicator		Current gear engaged by the transmission will be displayed on DIS. ***NOTE****: If "F" is displayed it means a defect in the system is detected Contact the nearest TATA MOTORS Authorized EV service centre immediately to rectify the problem*.
State of Charge		SoC (State of Charge) gauge indicates the battery state of charge to user in percentage.
Outside ambient temperature		This displays outside ambient temperature in units of °C with the resolution of 1°C.
Press brake pedal		Before you start the vehicle, press the brake pedal and then press the start/stop button.
Energy flow animation		This indicates the energy flow from the battery to the front wheels via electric motor or the flow to battery from high voltage components in case of regenerative braking.

Driver Information	System Image	Description
Door Ajar (If applicable)		All four doors and tailgate are indicated independently when respective door or tailgate is open. This warning will be indicated when driver door and any others door is open. ***NOTE:*** *If any other door is open roof lamp will be 'ON'.*

WARNING LAMPS

Warning Lamps	Color	Indicator	Remarks
Turn signal	Green		One of these symbols comes ‘ON’ when the turn indicators is switched ‘ON’. Turn signal lamps can be operated only when the Ignition supply is ‘ON’ and by using the turn indicator switch on the Combi-switch. The direction indicator arrow on Instrument Cluster flashes along with external indicator lights as selected. Both telltales shall blink simultaneously when Hazard switch is pressed irrespective of Ignition ON. A ‘Tick-Tock’ sound will be heard when any one or both the telltales are ON.
High Beam	Blue		This symbol comes ‘ON’ when the headlamp high beam is switched ‘ON’ or if high beam is flashed.
12V Battery charging	Red		This symbol provides low voltage battery charging status to user. If it remains on when the motor is running, it indicates that the 12V battery is not getting charged. Switch off all unnecessary electrical equipment and contact the Tata Authorized EV Service Centre.
Park Brake / Brake Fluid low/ EBD malfunction	Red		This indicator comes ‘ON’ for a few moments when Ignition is turned ‘ON’ and goes ‘OFF’. If it remains ‘ON’ continuously, it may indicate: 1. Brake fluid level is low. 2. Parking brake is applied. It shall go ‘OFF’ when it is released. 3. Fault in EBD (Electronic Brake force distribution) system

Warning Lamps	Color	Indicator	Remarks
ABS Indicator	Amber		When Ignition is turned ‘ON’, this symbol comes ‘ON’ for a few moments and goes ‘OFF’. This symbol shall continue to remain ‘ON’ if there is a problem in the ABS system. If the warning is continuously ON Take your Car to TATA authorized EV service center
Airbag indicator	Red		The airbag warning symbol comes on for approximately a few moments when the ignition is turned ‘ON’ and goes ‘OFF’. If the warning is remain ‘ON’ or blinks, take your car to the Tata Authorized EV Service Centre.
Driver Seat Belt Indicator	Red		Seat belt warning indicator comes ‘ON’ for a few moments, when ignition is turned ‘ON’ irrespective of seat belt buckle status. If seat belt is not fastened then telltale will be ON as initial warning with no audio warning. If seat belt remains unbuckled and vehicle speed goes above 15kmph, warning will start with audio warning for 90 seconds continuously. ***NOTE:*** • Once the seat belt is fastened, the audio warning and warning indicator will go ‘OFF’. • Seat belt audio warning remains OFF when reverse gear is engaged
DRL indication	Green		This symbol lights up when the ‘IGN’ is turned ‘ON’ and shall go ‘OFF’ a few moments. This symbol comes ON when the Day Time Running lamp is ‘ON’
Key Not Detected (Used in PEPS Vehicles)	Amber		This symbol lights up when the Valid UID (User Identification Device) is not detected inside the vehicle.

Warning Lamps	Color	Indicator	Remarks
Co-Driver Seat Belt Indicator	Red		Co-driver Seat belt warning indicator comes 'ON' for a few moments, when ignition is turned 'ON' irrespective of seat belt buckle status. If Co-Driver is present & its seat belt is not fastened then Telltale will be ON as initial warning with No audio warning. If seat belt remains unbuckled and vehicle speed goes above 15kmph, the warning will start with audio warning for 90 seconds continuously. ***NOTE:*** • Once the seat belt is fastened, the audio warning and warning indicator will go 'OFF'. • Seatbelt audio warning remains OFF when reverse gear is engaged.
Speed Limit Warning Indicator	Amber		Speed Limit warning indicator comes 'ON' for a few moments, when ignition is turned 'ON'. When Vehicle Speed cross 80kmph then Speed Limit Warning Indicator will turn ON along with audio warning every two minutes. If Vehicle Speed crosses 120kmph then along with Speed Limit Warning Indicator, audio warning will remain on until the vehicle speed is above 120kmph. Once Vehicle Speed comes below 120kmph but is still above 80kmph, then a continuous beep (audio warning) will stop but Speed Limit Warning Indicator will be ON continuously with audio warning once in two minutes. When vehicle speed is below 80kmph, then Speed Limit Warning Indicator along with audio warning is OFF.
Charging indicator	Green		This features provides HV battery charging status to user. Whenever the IGN is ON, this telltale glows for a few seconds and goes off. The telltale shall remain ON irrespective of the Input state during these few seconds. This tell-tale shall be turned ON/OFF by receiving the charging input sig

Warning Lamps	Color	Indicator	Remarks
			nal. This Telltale is ON during charging.
Zero Charge/ Low Charge	Red		This features provides High Voltage battery status to user. Whenever the IGN is ON, this telltale glows for a few seconds and goes off. The telltale shall remain ON irrespective of the Input state during these few seconds. This tell-tale shall be controlled turned ON/OFF by receiving the SoC input when the SoC level is low telltale will turn ON to indicate HV battery SoC low to the user.
Battery High Temperature Telltale	Red		This features provides HV battery high temperature status to user. Whenever the IGN is ON, this telltale glows for a few seconds and goes off. The telltale shall remain ON irrespective of the Input state during these few seconds. This tell-tale shall be turned ON/OFF by receiving the input HV battery high temperature input signal , whenever battery temperature is high it will indicate the user EV system battery high temperature and to visit service center.
Motor High Temperature Telltale	Red		This features provides traction motor high temperature status to user. This tell-tale shall be controlled turned ON/OFF by receiving the input motor high temperature input signal , whenever Motor temperature is high it will indicate the user EV system motor high temperature and to visit service center.
Limp Home Mode Telltale	Amber		This features provides vehicle limp home mode indication to user. Whenever the IGN is ON, this telltale glows for a few seconds and goes off. The telltale shall remain ON irrespective of the Input state during these few seconds. This telltale turns ON to indicate that the EV system with limited performance mode is getting activated to caution user to charge the EV.

Warning Lamps	Color	Indicator	Remarks
HV Critical Alert Tell-tale	Red		This features provides vehicle high voltage system critical alert indication to user. Whenever the IGN is ON, this telltale glows for a few seconds and goes off. The telltale shall remain ON irrespective of the Input state during these few seconds. When HV side error signals happens then telltale will turn ON to indicate the user EV system criticality and to contact service center.
Press brake	Amber		This telltale indicates the driver to hold the Brake while using Start /Stop button to start the vehicle. Whenever the IGN is ON, this telltale symbol will light up for a few seconds and then go off. The telltale shall remain ON irrespective of the Input state during these few seconds.
IGN	Green		This telltale lamp indicates the user that vehicle is in Ignition On condition
ACC	Amber		This telltale symbol indicates the user that vehicle is in Accessory mode.
Service indicator tell-tale	Amber		This telltale indicates the user about due service due of the vehicle.
EPAS	Amber		This feature monitors the Electric Power Steering system state to warn the driver in case of EPAS malfunction. Whenever the IGN is ON, this telltale glows for a few seconds and goes off. The symbol shall remain ON irrespective of the Input state during these few seconds.

REMINDER FEATURES (Audible)

The following are the Audible Reminder warnings provided to the user.

Key In Reminder

While leaving your vehicle, if you forget key inside and Ignition is OFF and door is open, buzzer shall sound. Remove Key to stop the warning.

Parking Lamp ON Reminder

While leaving your vehicle, if user forget to turn OFF the Head Lamps, buzzer shall sound. Switch off Park Lamps to stop the warning. Do not forget to turn OFF your Head Lamps as it may drain your Car Battery.

Parking Brake ON Reminder

If Park Brake is applied and vehicle is driven above 5kmph, telltale shall blink along with warning continuously. Disengage the park brake to stop the warning.

Turn Indication Hazard Warning ON

If any of the turn indication or both turn signal are ON, tick tock warning shall sound.

Reverse Gear Reminder

If reverse gear engaged buzzer shall sound to alert you.

PEPS Key Not Detected

If key is not found inside the vehicle, audio warning shall sound.

Driver/co-driver Seat Belt Reminder

If seat belt remains unbuckled and vehicle speed goes above 15kmph, audio warning will start and will continue for 90 seconds. Seat belt telltale light will remain continuously ON when audio alarm is active.

ⓘ NOTE

Fasten the seat belt to stop audio warning.

ESCL Warning

This feature inform the driver to rotate steering wheel when ESCL gets engaged inadvertently. This warning is sounded in IGN OFF mode.

Speed Limit Warning

If speed goes above defined threshold (120kmph) an audio warning will sound to alert user. The audio warning sounds continuously till the speed comes down to the normal limit (<80kmph).

High Temperature Alert For Battery/motor

When machine and inverter/battery cell temperature crosses the maximum limit specified, audio warning will starts along with the battery high temperature telltale blinking to indicate the user to contact service center.

Telltale and audio warning will be ON continuously until the issue is solved.

Gear Indication

If gear changes, an audio warning shall sound. Gear Indication buzzer is the one time buzzer to give information about the gear change.

Door Open, Park Brake OFF And IGNOFF

If ignition is OFF, park brake not engaged and door is open, an audio warning shall sound.

Low Battery Charging

When Auxiliary battery charging fault occurs with high criticality, buzzer will starts along with the telltale blinking to indicate the user to contact service center.

The telltale and an audio warning will be ON continuously until the issue is resolved.

EV Limp Home Mode

When SoC percentage crosses the lower limit then telltale will get activated to indicate EV system with limited performance so that user shall take the necessary safety actions. During which, buzzer will starts along with the telltale blinking to indicate the user to contact service center.

The telltale and audio warning will be ON continuously until the issue is re-solved.

AUDIO REMINDERS

No Key Detected Inside The Vehicle

- Customer takes the smart key outside the vehicle and closes the door and when the last door closes, customer can hear audio warning on instrument cluster (beeps) for 10 seconds.

ⓘ NOTE

If key is not detected customer needs to bring the smart key inside the vehicle.

Key Detected Inside

- Vehicle is in unlock condition & ignition is OFF.
- Smart key is inside the vehicle or in the range of other door/tailgate.
- Customer tries to lock the vehicle by pressing driver door handle switch.
- Customer can hear the audio warning on instrument cluster (beeps) for 10 seconds.

ⓘ NOTE

If key is detected inside the vehicle or is placed in the wrong place, customer needs to bring smart key in proper range to lock vehicle

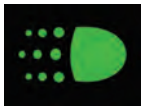
Rotate Steering Wheel

- When vehicle shows ‘READY” status after cranking, the steering wheel alignment function will be visible on screen.
- This will allow user to align the wheels in straight direction before he/she can move the vehicle.

ⓘ NOTE

In this condition customer needs to rotate the steering wheel and press the Start/Stop button again

DAY TIME RUNNING LAMPS (DRL) (if equipped)



Daytime Running Lamps (DRL) are used to increase the visibility of the vehicle to other drivers during daytime.

To activate and deactivate DRL, keep the Ignition switch is 'ON' position and switch ON-OFF parking lamp twice within approximately 3 seconds.

GEAR SELECTION KNOB

Gear Selection knob is a rotary knob. User can change vehicle gear positions starting from Neutral (N), Drive (D), Sports (S), and Reverse (R) by rotating the knob to select the desired gear positions.

To change the gear state (from N to D or N to R), brake should be pressed while rotating knob.

Gear Selection knob is located on floor console.

Welcome Strategy

When Ignition is switched ON from OFF, rotary knob will perform Welcome Strategy for 3 seconds.

Changing gears during welcome strategy is not allowed.

After welcome strategy, default gear position will be 'N' (Neutral).

Gear Selection Knob Lock Strategy

The rotary knob will allow fast rotation from S to R or R to S in static condition.

Gear Display On Cluster

Current gear selected by user will be shown in the instrument cluster.

Gear Selection Knob Illumination

The rotary knob will have the backlight illumination in the night condition when position lamp is ON.

This illumination varies in accordance with the intensity levels set from instrument cluster.

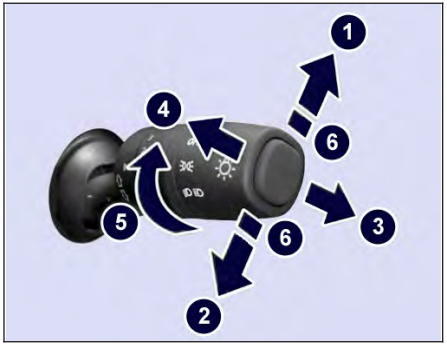
Gear Selection Knob Failure Behavior

The rotary knob will turn on all function ON Indication LEDs. Please contact TATA Motors EV service centre.

ⓘ NOTE

The images provided are for reference purpose only.

COMBI-SWITCH (RH Stalk)



Left Turn Signal

Move the lever fully upward.

Right Turn Signal

Move the lever fully downward.

ⓘ NOTE

When the turn is completed, the signal will cancel and the lever will return to its normal position.

High Beam

Move the lever forward to select the High Beam function.

Pull the lever back to normal for low beam.

High Beam Flash (spring Return)

To flash the high beam, pull the lever towards you from the normal position. It will return to its normal position when you release it.

Headlamp Rotary Switch

i) OFF Position

All lamps will remain 'OFF'.

ii) Parking Lamp

Rotate stalk to turn 'ON' the Parking lamps.

ⓘ NOTE

DRL (if equipped) will turn 'ON' as long as parking lamp input is 'OFF' and IGN is ON.
To temporarily deactivate DRL turn 'ON' and 'OFF' the park lamp switch two times within 3 seconds. The lamp can be activated again by performing the same action.

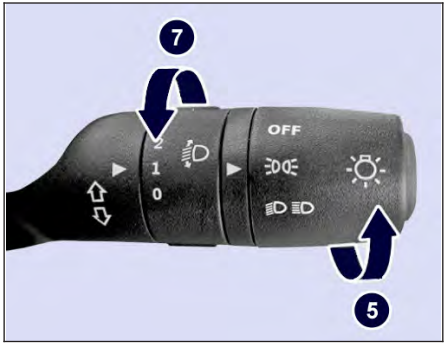
iii) Low Beam

Rotate stalk to turn 'ON' the Low Beam function.

Lane Change Signal

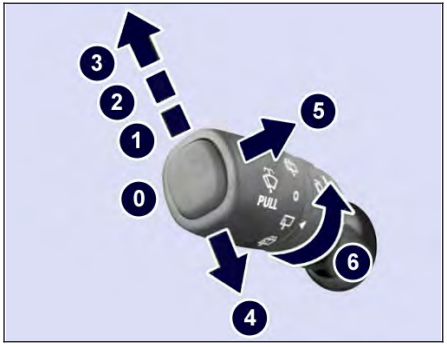
To signal a lane change, move the lever slightly up or down to the point where the turn signal light begins to flash, but the lever does not latch. The turn signal will flash 3 times automatically.

Head Lamp Leveling Rotary Switch



Inner rotary switch on right hand stalk is provided for head lamp leveling. With the inner rotary switch, Head lamp leveling can be done with head lamp in Low Beam and in 'ON' position. Select correct position before start of trip and vehicle is stationary. Depending upon the number of passengers and luggage in the vehicle headlamp focus may change. This can be adjusted by rotating the knob to one of the 4 level positions.

COMBI-SWITCH (LH Stalk)



0. Off' Position

The wiper is switched 'OFF'.

1. Intermittent Wipe

Push the stalk upwards to operate intermittent wipe.

Inner rotary switch on left hand stalk is provided for intermittent front wiper delay. The switch has 5 delay timers.

2. Slow Wipe

Push the stalk towards position (2) for continuous slow wipe.

3. Fast Wipe

Push the stalk towards position (3) for continuous fast wipe.

Flick Wipe (spring Return)

Pull the stalk downwards and hold it for continuous wipe, the wiper continuously wipes across the windshield at low speed till the stalk is released.

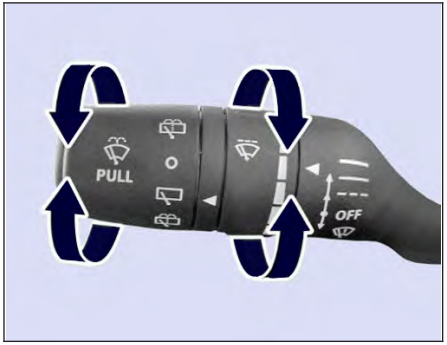
5. Front Windshield Washer

- Pull the lever little longer, washer fluid will be sprayed on the windshield.
- The windshield wipers operate for 3 cycles after the lever is released and 1 more cycle after 5 seconds.

ⓘ NOTE

When you crank the motor, the supply to washer motor is momentarily cut off.

6. Rear Wash And Wipe (If equipped)



Rear Windshield / Wiper And Washer

Turn the rotary knob clockwise and release to operate rear windshield wash and wipe. The windshield wipers operate for 3 cycles.

Rear Wipe

Turn the rotary knob counter clockwise such that it aligns its positions with arrow mark to operate rear windshield wiper continuously.

ⓘ NOTE

Rear wiper stop working as long as tailgate is found open.

Rear Windshield/ Wiper And Washer Switch

Turn the rotary knob counter clockwise such that it aligns its positions with arrow mark and hold it, to operate rear windshield wash and wipe. It will return to 'Rear wipe' position as soon as released and continue to wipe.

⚠ WARNING

If you operate wash and wipe function for more than 15 seconds the controller cuts off the supply to washer motors to avoid overheating.

FASCIA SWITCHES

Fascia switches are provided on the center console below FATC control panel.

Option I

1. Tail gate opening
2. Door lock/Unlock
3. Front fog lamp

Option II

1. Tailgate opening

Front Fog Lamps (if equipped)

Front fog lamp is located on front bumper. In conditions where visibility is poor due to fog, snow or rain, the fog lamps improve visibility as well as making it easier for other road users to see you.

It turns 'ON' when the front fog lamp switch is pushed in with ignition 'ON' and position and parking / head lamp is 'ON'. An indicator on the switch will be illuminated when the front fog light is 'ON'.

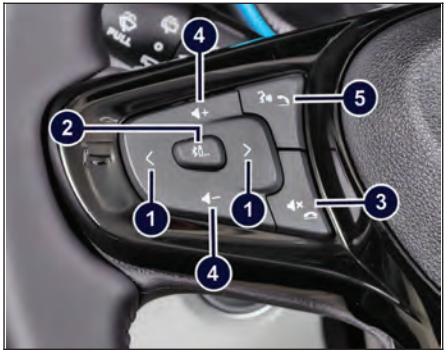
Door Lock/unlock (if available)

To open the door, press the Lock/unlock door switch located on the fascia switch.

Tailgate Opening

To unlatch the tailgate, press the switch located on fascia switch.

STEERING MOUNTED CONTROLS (LHS)



Seek Forward / Backward

To change radio channels.

Source

Press to select the required source in the infotainment (USB, AUX, AM, FM).

Mute / Phone Reject

To reject or hang up a phone call. It is also used to mute the volume of music system / radio.

Volume

To increase and to decrease volume of music system / radio.

Phone Receive / Ptt (push To Talk) And Voice Recognition

This button is used to accept in-coming call when a cell phone is connected via Bluetooth.

Voice Recognition

To activate, long press the voice activation button provided on the steering wheel. The system mutes/ pauses the currently played audio and you will hear a beep sound to indicate the activation of the voice recognition feature. The system also display the icon on the right top corner of the screen to indicate activation of voice recognition.

ⓘ NOTE

The system will start recognizing your voice command only after the beep. So, speak your command only after you hear the voice activation beep.

STEERING MOUNTED CONTROLS (RHS) (if equipped)

ⓘ NOTE

For more information on steering wheel switches refer Infotainment manual.

Instrumentation Controls(ic)

1. Instrumentation controls scroll LH

Press above switch to scroll LH < side on Instrument Cluster display.

2. Instrumentation controls scroll RH

Press above switch to scroll RH > side on Instrument Cluster display.

Ok/select & Long Press For Settings

Press the above switch to select the option and long press it (approx. three seconds) to go directly to the instrument cluster settings.

MIC

A mic is provided on roof interior above roof lamp.

INFOTAINMENT SYSTEM DISPLAY

Option I

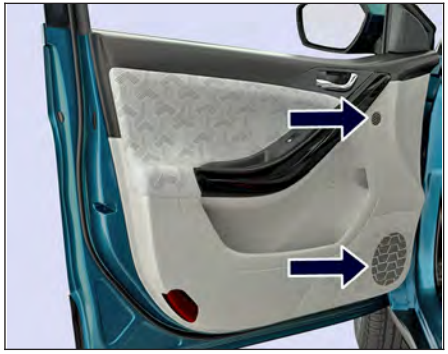
Option II

ⓘ NOTE

For more information, refer infotainment manual.
((Refer link - http://service.tatamotors.com/content/owners-manual)if applicable)

SPEAKERS & TWEETER (if equipped)

4 Speakers and 4 tweeters are provided on models with infotainment system. Provisions are given for music system and speakers on versions without infotainment system.



USB CONNECTIVITY

Connect your portable digital music players, pen drives etc. to this socket for playing music tracks through the vehicles music system.

POWER SOCKET

Two power sockets are provided.

1. On center console
2. Behind rear seat on LH side

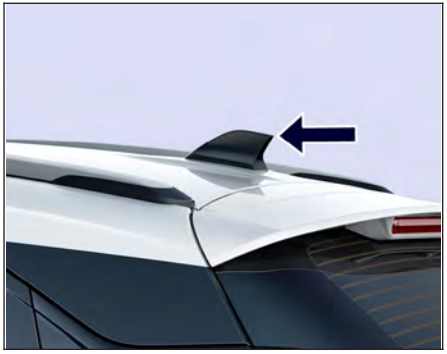
The power socket will work when the ignition switch is in the “ACC” or “ON” position. This socket can be used to provide 12V (10A) power for electrical accessories.

ⓘ NOTE

Use of inappropriate electrical accessories can cause damage to your vehicle’s electrical system. Make sure that any electrical accessories you use are designed to plug into this type of socket and rating.

ANTENNA

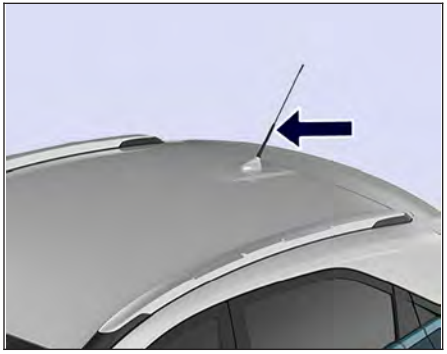
Option I



A shark fin antenna is provided on the roof at rear end for the top variant.

Option II

A rod type antenna is located on the roof for the lower variants. Turn antenna anti-clockwise to remove from vehicle, if required



ⓘ NOTE

While using radio, if AM Signal is weak, a whirring sound may be heard while accelerating or decelerating the vehicle. This is normal.

ROOF LAMP

Option I

Option II

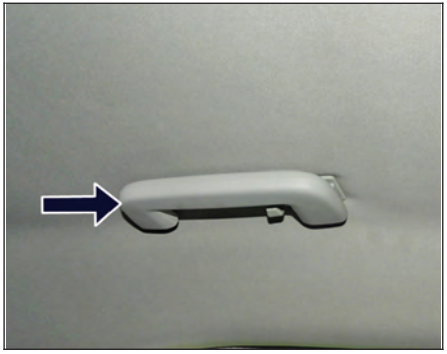
Interior roof lighting lamp is provided on the roof with inbuilt switch. The switch has three positions:

ON - The lamp will turn 'ON' as long as the switch is in this position.

DOOR - In this position the lamp turns 'ON' with dimming when either of the doors are opened. When the last door is closed, the lamp will turn 'OFF' with dimming. When the key is turned to the 'IGN' position, the lamp goes 'OFF' immediately.

OFF - In this position, the lamp will remain 'OFF'.

ROOF GRAB HANDLE

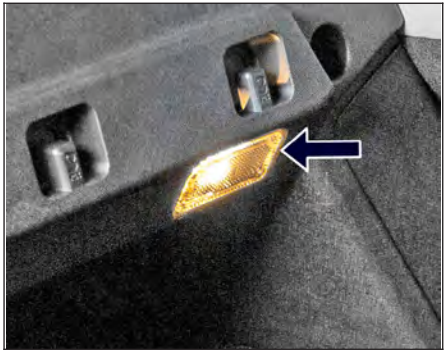


Roof grab handles are provided on all seats except driver's seat. This helps in comfortable positioning of passengers during a journey.

ⓘ NOTE

The images provided are for reference purpose only.

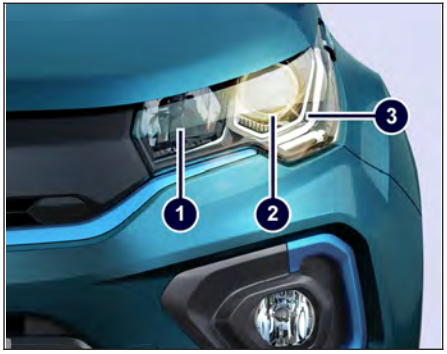
BOOT LAMP (if equipped)



Boot lamp is provided in the rear lug-gage compartment to light up the luggage area.

Boot lamp is without switch type. It will be ON when tailgate is open.

HEAD LAMP



1. High beam headlamp
2. Low beam projector headlamp
3. Parking lamp/DRL/Turn indicator lamp

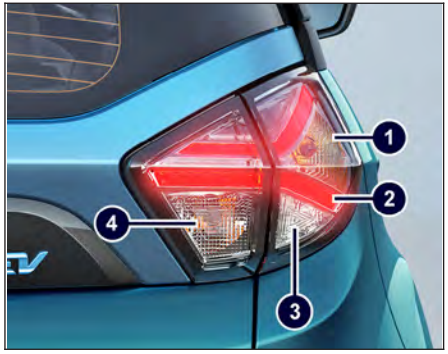
Lamp Condensation / Fogging Condition

Condensation is a natural phenomenon in lamp. This occurs mainly because of atmospheric condition/weather change. During normal condensation, thin film of mist is visible on the inside surface of the exterior lens. Generally, this condition is considered normal and can be eliminated by turning on the headlamp with motor running or during normal driving conditions.

ⓘ NOTE

- *Headlamp fogging/condensation is natural occurrence and headlamp assembly replacement will not be necessary to resolve the issue.*
- *High-pressure washer jet direct on vent system of lamp are not recommended, there might be possibility of water ingress causing heavy fogging.*

TAIL LAMP



1. Turn indicator
2. LED Parking / Position lamp
3. Stop lamp
4. Reverse lamp

VEHICLE TELEMATICS

Tata Motors Connected Car System:

The Nexon EV is equipped with Connected Vehicle Technology which offers a host of features to the users through the “ZConnect” Mobile Application (APP). The Vehicle is equipped with an Electronic Control unit which monitors & records the data from various vehicle systems like Traction Motor, Battery & other electrical systems. This data is then processed & used for providing the connected Car features (for complete list of features and details of ZConnect App, please refer the digital user manual available in the Nexon EV website’).

INDIRECT TIRE PRESSURE MONITORING SYSTEM (if equipped)

The Indirect Tire pressure Monitoring system (iTPMS) senses low tire pressure by comparing relative wheel speeds via wheel speed sensor of ABS system. As added safety your vehicle is equipped with indirect Tire pressure monitoring system, if one or more tires pressure decrease below the recommended value, the system warning light will be illuminated in instrument panel cluster with text message “**check all tire Pressure and Reset the TPMS system**”.

For the system to function properly it is driver’s responsibility to fill the recommended Tire pressure in all four wheels before resetting the iTPMS system successfully. This will be a reference point for system to indicate tire pressure warning correctly. Hence it is important to follow recommended iTPMS reset procedure. Resetting the iTPMS system in an incorrect manner may lead to erroneous results.

iTPMS Reset Procedure

The driver can reset the iTPMS system by following below procedure:

1. Inflate all Tires to the OEM recommended Tire pressure.
2. Turn on vehicle & keep it stationary.
3. Use steering control buttons to enter into settings screen of instrument panel cluster, where iTPMS reset option will be visible.

Steering control which needs to be used for Selection of iTPMS Reset

4. Select the "**iTPMS reset**" option with tick button and arrow buttons can be used for navigation on Right steering control buttons.
5. Confirm iTPMS reset input by clicking on OK, always ensure iTPMS reset is initiated only after all tires are inflated to recommended tire pressure.
6. Warning indicator will blink approximately 7 times indicating reset is initiated successfully.
7. iTPMS system will complete its self-reset procedure in background once vehicle is getting driven between 40 - 120 kmph after reset is Initiated 20 minutes approximately.

ⓘ NOTE

Resetting the TPMS function in an incorrect manner may lead to erroneous results. It is imperative that the function is reset only 'after' all tires are inflated to the OEM recommended tires/tire pressure.

How It Works?

When Tire pressure drops significantly below Recommended levels the "check all tire Pressure and reset the iTPMS system" Indicator comes ON with text message.

What To Do?

1. Visually inspect all the tires for any damage.
2. Use the tire pressure gauge to check which tires have low pressure.
3. If a tire is observed to have air leakage or a puncture, please replace it with the spare tire. Please get the faulty tire rectified at the earliest to avoid any further damage.
4. Inflate ALL THE TIRES to recommended tire Pressure As specified on the driver door's label.

iTPMS Reset

Any time you change or rotate one or more of your tires, you need to Inflate ALL THE TIRES to recommended tire pressure and reset the iTPMS system. Reset should not be initiated if spare tire (other than ground tire) is fitted on the vehicle.

1. Go to instrument cluster setting window.

2. Select settings through steering right side steering controls buttons.

3. Select iTPMS reset and confirm OK

4. The iTPMS warning blinks and iT-PMS reset starts.

5. iTPMS reset option will grey out during vehicle driving conditions

iTPMS system will complete its self-reset procedure in background once vehicle is getting driven between 40 -120 kmph after reset is Initiated 20 minutes approximately, during this period system is not available to detect any low tire pressure.

ⓘ NOTE

- *iTPMS system provides the warning to the driver when tire pressure is low. iTPMS system cannot inflate the tire.*
- *As additional functionality one tire over inflation, Diagonal 2 tires over*

inflation and three tires over inflation is detected as puncture to remaining tires, with this "check all tire Pressure and reset the iTPMS system" Indicator comes ON with text message. User has to follow tire check and iTPMS system reset procedure as mentioned above.

- *It is very rare but if two tires on Rear axle are deflated by same percentage then iTPMS might not detect this situation.*

ⓘ NOTE

iTPMS system is not the substitute for regular tire pressure check, be sure to check the tire pressure regularly. If the vehicle is driven at speeds less than 25 km/hr the iTPMS system may not operate correctly. Kindly ensure to use OEM recommended tire only of same make and size.

System Malfunction

iTPMS continuously monitors itself for any error , iTPMS warning lamp will appear on instrument panel cluster for 3 seconds after every ignition on during system self-check and disappear after self-check is complete and if system is healthy. If Malfunction is detected the iTPMS malfunction lamp (amber) on instrument cluster will blink for 3 seconds with chime for first and then will remain illuminated until fault is present in the system.

For every ignition reset iTPMS warning lamp will be ON and chimes and text message will reappear until fault is present in the system.

Kindly visit TATA Motors authorized EV service centre if iTPMS malfunction indication is ON continuously.

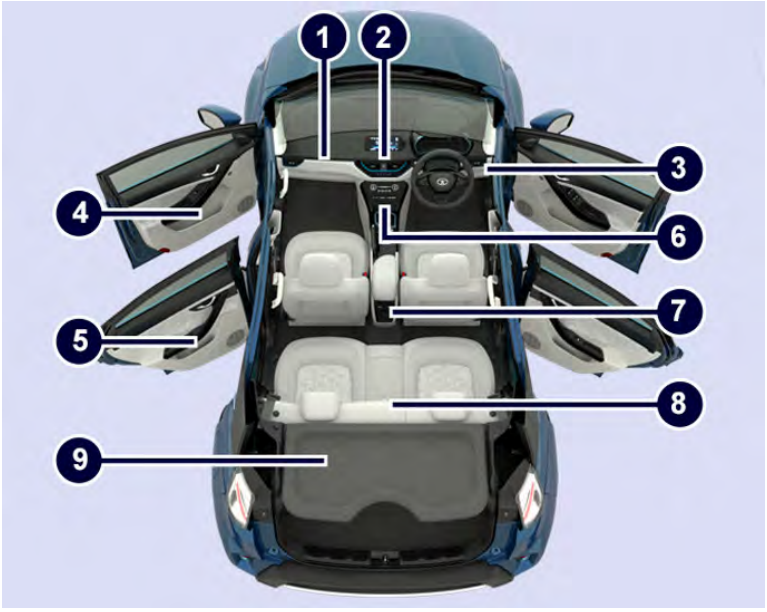
Under Certain Condition iTPMS Warning Lamp Will Illuminate When Fault Is Not Present, These Conditions Include

- The non-Recommended tire fitted.
- If Vehicle is fitted with Spare Tire or non-recommended spare tire.
- Tires are installed with snow chain.
- Rough Terrain driving for excessive periods.
- Bending or mountain type terrain driving for excessive periods.
- iTPMS system will not indicate immediately if tire "blows out".
- If iTPMS system is not reset successfully after Tire Inflation, Tire rotation, Tire change and Tire Puncture/repair.
- If Wheel alignment and wheel balancing is not performed as per OEM specifications.

Changing The Tire With iTPMS

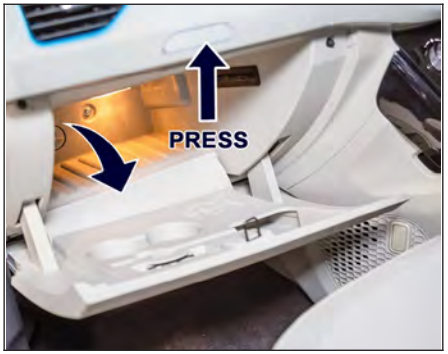
If you have a flat tire iTPMS warning lamp and text message will get triggered, have a flat tire replaced/repaired from authorized TATA EV service centre/tire shop After fitting the repaired tire kindly ensure all wheels are inflated with recommended tire pressure and reset the iTPMS system as specified in iTPMS reset procedure.

STORAGE AREA LOCATIONS



1. Cooled glove box
2. Wallet stowage(near roof lamp)
3. Driver side coin box
4. Utility pockets on front doors
5. Utility pockets on rear doors
6. Center console
7. Stowage for rear passenger
8. Foldable armrest for rear occupants
9. Tailgate Compartment

GLOVE BOX



Opening And Closing

To open - Press the knob and open the glove box flap.

To close - Lift glove box flap until it engages.

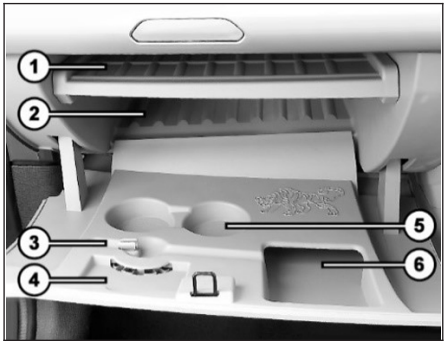
Glove Box Illumination (if applicable)

The lamp inside the glove box lights up when it is opened.

ⓘ NOTE

Make sure that glove box flap is closed while driving.

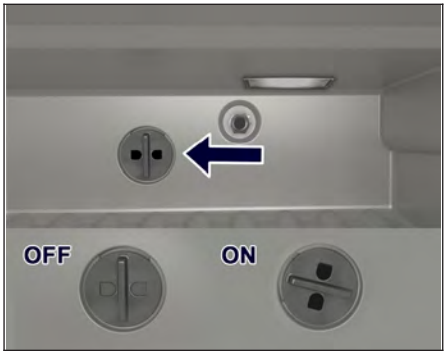
Stowage Detail (if applicable)



Following items can be stowage in glow box.

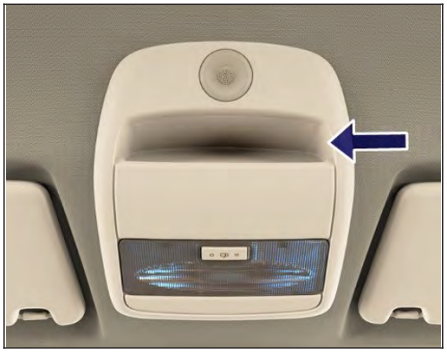
1. Owner's manual and other vehicle document
2. Chiller glow box
3. Pen holder
4. Visiting card
5. Cup holder
6. Receipts etc.

Cooling Facility (if applicable)



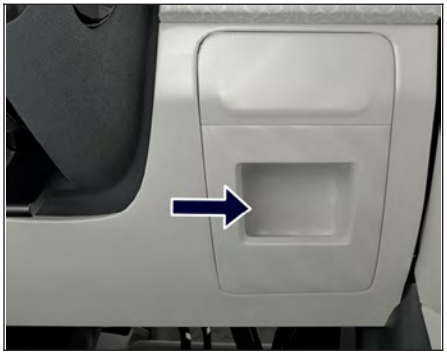
On selected models glove box is provided with a cooling facility. It cools the glove box only when the front A/C is ON. Shut OFF the vent by rotating the knob, whenever cooling is not required.

WALLET STOWAGE (if available)



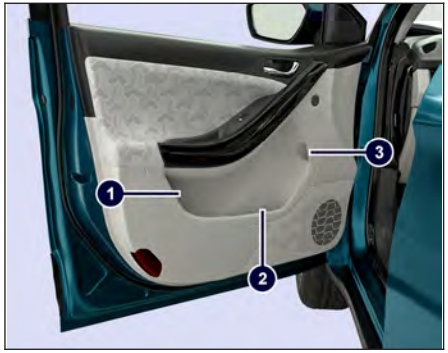
Place for keeping wallet is available near the roof lamp in some variants.

DRIVER SIDE COIN BOX



Stowage for the coins is provided on RH side of the steering wheel.

UTILITY POCKETS ON FRONT DOORS



Utility pockets are available on front doors and it can be used to keep following items.

1. Water bottle
2. Magazine/paper
3. Umbrella holder

ⓘ NOTE

Remove the water from umbrella and fold it properly before storing it in the umbrella holder.

UTILITY POCKETS ON REAR DOORS

Utility pockets are available on rear doors. They can be used to keep following items:

1. Magazines/books
2. Water bottles etc.

CENTER CONSOLE

Option I

Stowage Below Arm Rest

Stowage compartment is provided below the foldable arm rest for keeping cell phones, iPods, chargers etc.

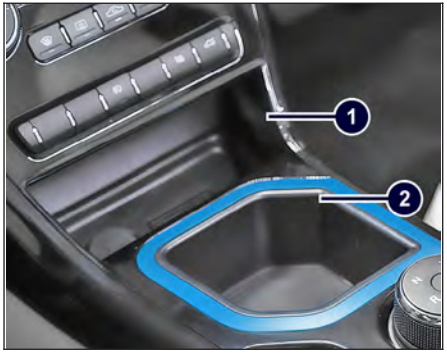
Tambour Door

Tambour door is provided on center console. To access the Tambour door, lift arm rest (1), Slide the shutter (2) to open and close the stowage area.

ⓘ NOTE

Use cups, containers and bottles of right size and that have lids. The content could otherwise spill.

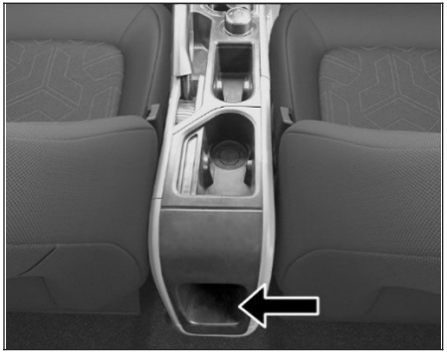
Centre Console Storage II



1. Coin box
2. Utility storage bin

Space for coin holder and cup holder are provided in centre console.

STOWAGE FOR REAR PASSENGER (if applicable)



Stowage for rear passenger is provided on rear side of floor console between the front passenger seats. It can be used to keep mobile charger and small items.

ⓘ NOTE

Applicable for models where rear blower is not provided.

FOLDABLE ARM REST (if applicable)

A foldable arm rest has been provided in the rear seat. It also has two-cup holders, which can be accessed by opening the cover. When not required, fold the armrest back into the seat.

ⓘ NOTE

Remove all items and cups before folding the cup holders.
Use cups, containers, bottles of right size and which have lids. The content could otherwise spill.

TAILGATE COMPARTMENT

Store the luggage in tailgate compartment. You can keep suitcase, bags etc.

⚠ WARNING

- Distribute the items of luggage as evenly as possible.
- Position heavy loads as far forwards as possible and as low down in the trunk as possible.
- Never allow occupants to travel in the luggage compartment.

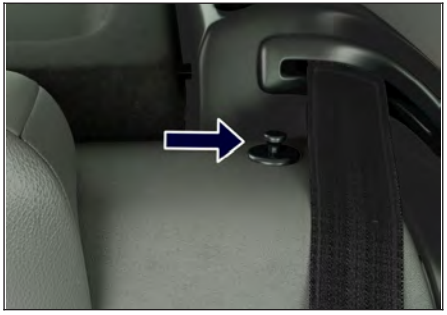
Rear Seat Folding (60:40 % Split)

You can increase the luggage capacity by folding the rear seats splits as required.

To fold the seat:

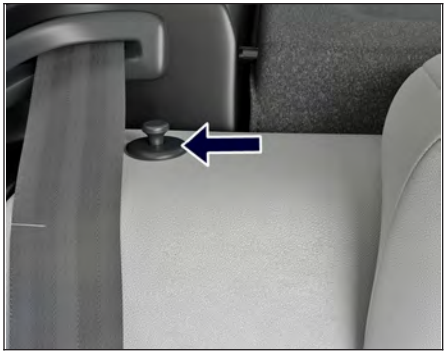
- Lift the seat cushion upwards
- Move the driver and co-driver seat forward if necessary.

- Push the headrest all the way down.
- Pull the backrest release knob upwards and fold the back.



- Fold the backrest of the seat.

- Follow the same procedure for 60% and 40% split seat, as shown below:



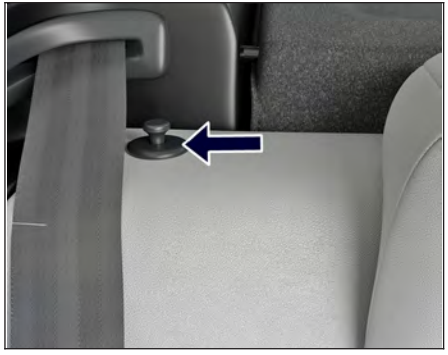
ⓘ NOTE

Make sure that the 'foldable arm rest' is closed before you fold the seat.

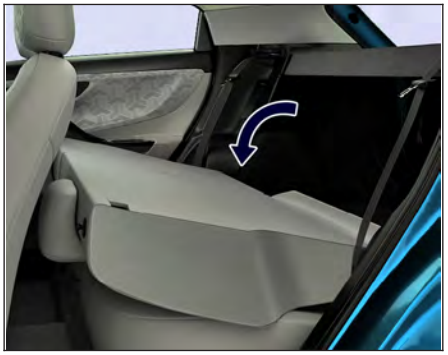
Rear Seat Folding (complete Seat 100%)

You can increase the trunk capacity by folding the rear seat. For folding:

- Push the headrests all the way down
- Pull the backrest release knob available on both sides simultaneously.



- Fold the seat backrest forwards.



⚠ WARNING

- You should always engage the rear seat if you do not need the through loading feature.
- If the rear bench seat and seat backrest are not engaged they could fold forwards, e.g. when braking suddenly or in the event of an accident.

⚠ WARNING

- The vehicle occupant would thereby be pushed into the seat belt by the rear bench seat or by the seat backrest. The seat belt can no longer offer the intended level of protection and could even cause injuries.
- Objects or loads in the trunk cannot be restrained by the seat backrest. There is an in-creased risk of injury.
- Before every trip, make sure that the seat backrests and the rear bench seat/rear seat are engaged and securely latched.

Luggage Cover

Luggage cover is designed only for hiding the luggage compartment.

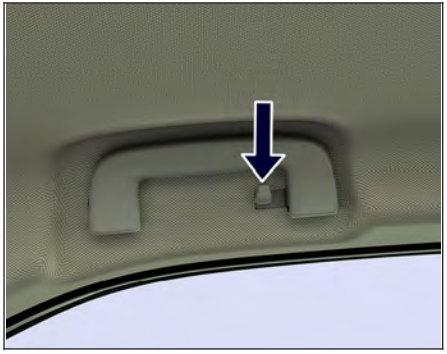
⚠ WARNING

Do not place anything on luggage cover as it could obstruct driver's rear view. Also in case of an accident or sudden braking, it could cause an injury to occupants.

HOOKS (if applicable)

Coat Hanger

Coat hanger is provided on rear passenger right side grab handle.

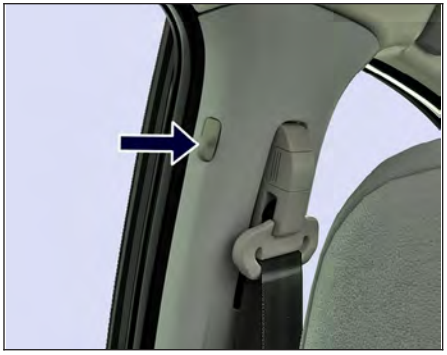


⚠ WARNING

The coat hook cannot restrain heavy objects or items of luggage.
Do not hang hard, sharp-edged or fragile objects on the coat hook.

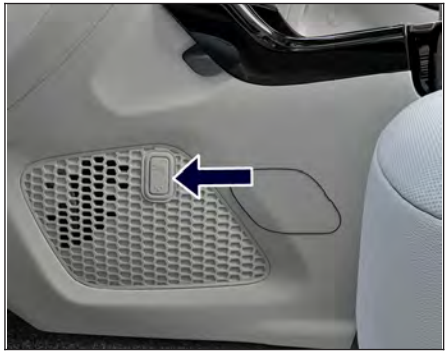
Hook For Purse Holder

Hooks for holding purse are provided on both B pillar.



Collapsible Hook

Collapsible hook is available on right hand side of the front passenger to hang carry bags. Permissible load is 2kg only.



Hooks In Luggage Compartment

These hooks are available on both sides in the luggage compartment for to hang small carry bags up to 3kg only.

ⓘ NOTE

Do not use these hooks for securing luggage like using nets etc.

AIR DISTRIBUTION

The Climate Control regulates the temperature based on the user set temperature settings in the vehicle and also filters the dust particles in the cabin.

Air Distribution- The air is distributed through the vents in the passenger compartment as shown below:

AIR VENTS

Air vents are provided on dashboard. Direction of air flow can be adjusted with the help of slider provided on respective vent.

REAR AC VENTS (if applicable)

Rear vents unit is provided between two front seats.

ⓘ NOTE

The AC can be switched 'ON' only if the blower is 'ON' and motor is running.

When desired temperature is achieved AC trips 'OFF' automatically.

ⓘ NOTE

- *Water may drip from the underside of the vehicle when it is in cooling mode. Traces of water on the ground are normal and are not a sign of leakage or malfunction.*
- *Ventilate the vehicle for a brief period during warm weather. This will speed up the cooling process and the desired vehicle interior temperature will be reached quickly.*
- *Do not cover the air vents or air intake grilles in the vehicle interior.*
- *If the AC is not used for a long period, such as during winter, it may not give the best performance when you start using it again. Operate the AC at least once a month to maintain optimum performance.*
- *To get faster heating, it is recommended to set 4- 5°C higher set temperature than ambient tempera*

ture.

- *While starting the vehicle after long duration (more than 15 days), follow the procedure for better AC performance.*
  - *Start the vehicle*
  - *Switch the AC on and run it for 2~3 minutes. This circulates the refrigerant and oil to lubricate the internal parts of AC system.*

FULLY AUTOMATIC TEMPERATURE CONTROL (FATC) (if applicable)

FATC system controls the in-cabin temperature of the vehicle automatically and provides maximum passenger convenience regardless of outside weather conditions.

1. AC compressor ON/OFF button
2. Blower speed control knob
3. ECON (economy mode) button
4. Maximum defrost button
5. Rear window demister button
6. Fresh air/recirculation button
7. Air distribution (mode) button
8. OFF mode
9. Auto on selection button
10. Temperature control knob

Display Unit

FATC display is shown on main display screen.

FATC functions can be controlled using both the FATC control panel and the touch screen display.

Whenever the user presses any push button or turns the rotary knob, then the display unit will show the relevant Climate Information.

Also, when the display is not in climate mode then climate information will be displayed on the all-time display provide on the bottom bar.

Ac On / Off Button

Press the AC compressor ON/OFF button to turn the air conditioning ON or

OFF. The AC icon activated on the display when the AC is ON.

Blower Speed Control Knob

Rotate the knob clockwise to increase or decrease the blower speed.

ⓘ NOTE

- *Rotating the knob clockwise increases the blower speed and vice versa.*
- *In 'AUTO' mode, the FATC sys-tem will regulate the blower speed automatically.*

Econ Button

During ECON AC operation, the system automatically cuts off compressor at a higher temperature than normal AC. The operation can be used during mild weather conditions for battery saving.

Comfort level may be compromised during this operation. By pressing ECON button text will be displayed on display.

Max Defrost Button

1. This button directs the main airflow towards windscreen for faster defrosting. (It also overrides any mode selection you may have made).
2. When you turn off the button, the system returns to its former settings.

ⓘ NOTE

For your safety make sure that you have a clear view through all the windows before driving.

Rear Window Demister Button

1. This button turns the rear window demister ON or OFF. The system will be deactivated after 15 min of continuous operation.

Fresh Air / Recirculation Button

1. When the recirculation Button or LED is switched ‘ON’, air from the vehicle’s interior is sent throughout the system.
2. When the recirculation button is switched ‘OFF’, air is brought in from outside of the vehicle (fresh mode). Whenever discomfort is felt, switch to fresh air mode.

ⓘ NOTE

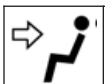
The outside air intakes for the cli-mate control systems are at the base of windscreen. Keep this area clear from leaves and other debris.

The system should be used with recirculation air mode for faster heat up and cool down, however keeping the system in recirculation mode, particularly with AC OFF, can cause the windows fog up.

Air Distribution (mode) Button

In AUTO mode, the FATC system will regulate the mode automatically. However, user override is possible with the use of MODE button to select the desired airflow mode.

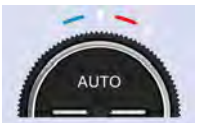
Each time you press the MODE button, the display shows the mode selected.

	Directs air through the center and side air vents
	Directs air through the center, side and foot well vents
	Directs air through the foot well air vents
	Directs air through the defroster & foot well vents (Default fresh air mode)
	Directs air through the defroster vents (Default fresh air mode)

“OFF” Button

Press the OFF button to switch OFF The system. OFF will be displayed on the infotainment screen.

Auto On Selection Button



To put the automatic climate control in fully automatic mode:

1. Press the ‘AUTO’ button.
2. Set the desired temperature by turning temperature control knob. The display will show all the functions during ‘AUTO’ mode.
3. The system automatically selects the proper mix of conditioned and / or heated air that will, as quickly as possible, raise or lower the interior temperature to your preference.
4. When you set the temperature to its lower limit (-) or upper limit (+), the system runs at full cooling or heating only. It does not regulate the interior temperature.

Semi-automatic Operation

You can manually select various functions of the climate control system when it is in fully automatic mode. All other features remain automatically controlled. Making any manual selection causes the word ‘AUTO’ in the display to go OFF and overridden setting is displayed. System will remain in semiautomatic mode till ‘AUTO’ is repressed.

Temperature Control Knob

Turning the temperature control knob clockwise increases the temperature of the air. The desired temperature will be increased by steps of 0.5ºC. User can select temperature range from 18ºC to 30ºC. Whereas the anticlockwise direction decreases the temperature.

When you set the temperature to its lower limit (-) or its upper limit (+), the system runs at full cooling or heating only. It doesn’t regulate the interior temperature.

FATC SENSORS

FATC system is fitted with three sensors. (as applicable)

Solar Sensor

A solar sensor is on top of the dash-board at the right hand side of defroster grill.

In-car Sensor

In-car sensor on control panel.

Outside Ambient Temperature (OAT) Sensor

It is located under the front bumper grille.

ⓘ NOTE

1. *Do not cover or spill any liquid on sensors.*
2. *Do not cover sensor, this may cause the sensor to malfunction. This may lead to FATC not functioning to desired level.*

Remote Ac Mode

AC can be controlled and temperature can be set remotely through mobile app.

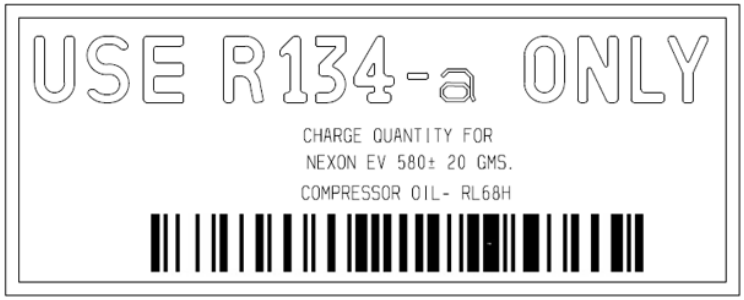
For more information please refer telematics section.

ⓘ NOTE

To control the high voltage battery temperature, the air conditioner is used to cool down the HV battery and may switch on automatically without request from the user, which may generate noise from operation of the air conditioner compressor and cooling fan.
Also air conditioner's performance may be degraded during summer due to operation of the cooling system for the high voltage battery.

FUNCTIONS & SETTINGS

Functions	Control Knob Position			Button Position				
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
								
Normal heating	Desired Speed	Desired Temp.	OFF	ON	OFF	OFF	OFF	
Quick heating	Max. speed	To the extreme right	OFF	ON	OFF	OFF	OFF	
Normal Cooling	Desired speed	To the right up to the desired temperature	ON	Optional	OFF	OFF	ON	
Quick Cooling	Max speed	To the extreme left	ON	Optional	OFF	OFF	ON	
Demisting, rear windscreen	Desired speed	To the right up to the desired temperature	As desired	As desired	As desired	ON	As desired	As desired
Defrosting	Max speed	To the right up to the desired temperature	OFF	OFF	ON	OFF	OFF	
Demisting front windscreen	Max speed	To the right up to the desired temperature	ON	OFF	ON	OFF	OFF	



⚠ CAUTION

It is important that the correct type and amount of oil and refrigerant used, otherwise damage to the vehicle and injury may occur. To prevent damage, the air conditioning system in your vehicle should only be serviced by trained and certified technician. We recommend that you contact authorized TATA EV dealer for more details.

PRE DRIVING CHECKS

Make Sure That

- Windshield, windows, mirrors, lights, and reflectors are clean and unobstructed.
- Tool kit, jack & handle, warning triangle, owner's manual, first aid kit and vehicle documents are available and stored at their locations.

⚠ WARNING

Never put any mat on top of the floor carpet near pedal region.

- All doors, motor bonnet and tail gate are securely closed and latched.
- All of your passengers are properly restrained. All occupants travelling should always wear seat belts or suitable CRS as applicable.
- Objects, luggage or loads are secured properly against slipping or tipping.
- Rear seat is securely latched.
- Sufficient range for the trip.
- Wheels are in correct alignment.
- Tyres have the recommended inflation pressures
- To lighten your load by removing any unnecessary cargo.
- Windows are fully raised
- Any mounted parts that may in-crease air resistance.

Daily Check

- Tyres - for abnormal wear, cracks or damage and embedded foreign material such as nails, stones, etc.
- Traces of fluid and oil below vehicle.

ⓘ NOTE

Water dripping from the air conditioning system after use is normal.

- All lamps, wipers, wiper blades and horn for proper operation.
- All switches, gauges and tell tales are working properly.

Adjust

- Seats, head restraints (if equipped) and steering wheel position.
- All the mirrors properly adjusted.

Weekly Check

- Coolant level
- Brake fluid level
- Windshield washer fluid level

ⓘ NOTE

Tyre pressure to be measured at cold condition.
Examine tyre pressure and condition after every 15 days including spare wheel.

TIPS TO GET MAXIMUM RANGE WHILE DRIVING

- If safe to do so, modulate the accelerator pedal instead of using the brake pedal when gradually slowing down. Whenever the vehicle is moving and you are not pressing the accelerator pedal, regenerative braking slows down the vehicle and feeds surplus energy back to the HV battery.
- Limit the use of resources such as heating, and air conditioning. If you operate the air conditioner/heater for long duration, it will use too much electricity from HV battery.

Turn OFF the heater and air conditioner if you do not need them.

- Using the climate control system to heat the cabin when the outside temperature is below 0°C uses more electricity and affects vehicle range more than when using the heater when the temperature is above 0°C.
- Press and hold the accelerator pedal to maintain speed and drive economically.
- Gradually press and release the accelerator pedal when accelerating or decelerating.
- Do not use unnecessary electrical components while driving.
- Drive in ECO mode
  - ECO mode helps reduce power consumption by reducing acceleration when compared to the same accelerator pedal position in the D (Drive) position.
- Drive at a constant speed. Maintain cruising speeds with constant accelerator positions as much as possible.
- Accelerate slowly and smoothly. Gently press and release the accelerator pedal for acceleration and deceleration.
- Vehicle range may be substantially reduced in extremely cold conditions (for example, 0°C).
- Release the accelerator pedal to slow down and do not apply the brakes when traffic and road conditions allow.
- Do not load unnecessary items in the vehicle trunk.
- Do not mount parts on the exterior of the car as it might increase drag.
- Always maintain specified tyre pressures.

Acceleration, Braking And Coasting

Acceleration: This vehicle has a single speed automated gearbox. In accelerating mode, the torque supplied by the motor via the gearbox to the front wheels is linear in nature.

Braking And Coasting

- During braking, both the conventional brakes and regenerative braking contribute towards the braking effort.
- However, during coasting (when the accelerator pedal is released and no brakes are applied), only regenerative braking takes place.

Regenerative Braking

- This vehicle is equipped with a regenerative brake system. The primary purpose of the regenerative brake system is to provide some power to help recharge the Li-ion battery and extend driving range.
- The electric motor when decelerating and braking and transforms kinetic energy to electrical energy in order to charge the high voltage battery. (Torque is applied in the opposite direction when decelerating to generate braking force and electricity).
- A secondary benefit is an effect similar to “engine braking” seen in IC engine cars. Here, it depends on HV battery condition.
- In the Drive mode, when the accelerator is released, the regenerative brake system provides some deceleration and generates power for the high voltage battery.
- Power is also generated when the brake pedal is applied. When you brake and take your foot off the accelerator pedal, more regenerative brake is applied than in the drive mode. However, during high-speed driving you may feel that regenerative brake provides less deceleration than the motor braking in an ordinary vehicle. This is normal.
- Less deceleration is provided by the regenerative brake system when the Li-ion battery is fully charged. Regenerative brake is automatically reduced when the high voltage battery is fully charged to prevent it from overcharging.
- Regenerative brake is also automatically reduced when the battery temperature is high/low to prevent battery damage.
- The brake pedal should be used to slow or stop the vehicle depending on traffic or road conditions. The vehicle brakes are not affected by regenerative brake system operation.

Limp Home Condition Of EV

In situations when certain conditions in the vehicle are not met or when some fault arises in the vehicle, the vehicle control unit intervenes and puts the vehicle into Limp Home Mode. The NEXON EV will give reduced performance in these situations. These limp home interventions are defined on two levels which are provided in the table.

ⓘ NOTE

There will be a single audio chime whenever the vehicle goes into Limp Home Intervention along with the IPC message.
Sports mode cannot be selected if the vehicle SoC is below 25% or the vehicle is in limp home mode. If the vehicle is already in sports mode, it will automatically switch to drive mode. A message ‘Gear Shift not allowed’ will be displayed with an audio warning.
When level 1 intervention takes place, the vehicle will not start in the next ignition cycle

State Of Charge (SoC) Gauge For High Voltage Battery

Limp Home Mode Telltale Warnings

Telltale Indicator	Condition	Description
	Blinking	HV Critical Fault Contact TATA MOTORS EV Service Station.
	Continuously ON	HV Critical Fault Mobility is not allowed Contact TATA MOTORS EV Service Station.
	Continuously ON	Vehicle has entered in Limp Home mode

LIMP HOME STRATEGY

Level 0 Intervention					
Zone	**Ipc Message And State**	**Max. Speed**	**Acceleration**	**Gradability**	**Cabin Cooling**
SOC <=25%	IPC display of battery SoC gauge turns amber.	No change	No change	No change	No change
SOC <=10%	'Low SOC Battery Saver Mode.' IPC display of battery SoC gauge turns red.	50kmph	Reduced	Max. 15%	No cooling
SOC <=5%	'Low SOC Battery Saver Mode.' IPC display of battery SoC gauge blinks in red	45kmph	Reduced	Max. 12%	No cooling
Level 1 intervention					
Critical Fault	'Critical Fault. Contact Service Station'	30kmph	Reduced	Reduced	Reduced

TYRE EQUIPMENT

Summer tires have a tread designed to provide superior performance on dry pavement. However, the performance of these tyres will be substantially reduced in wet conditions. If you operate your vehicle on wet roads, use all season tyres for all four wheels.

Special Winter Equipment

It is recommended that the following items be carried in the vehicle during winter:

- A scraper and stiff-bristled brush to remove ice and snow from the windows and wiper blades.
- A shovel to dig the vehicle out of snowdrifts.
- Extra windshield-washer fluid to refill the reservoir tank.

Driving On Snow Or Ice

⚠ WARNING

Wet ice (0°C and freezing rain), snow or ice can be slick and very hard to drive on. The vehicle will have much less traction or “grip” under these conditions. Try to avoid driving on wet ice until the road is salted or sanded.

- Whatever the conditions, drive with caution. Accelerate and slow down with care. If accelerating too fast, the drive wheels will lose even more traction.
- *Allow* more stopping distance under these conditions. Braking should be started sooner than on dry pavement.
- *Allow* greater following distances on slippery roads.
- *Watch* for slippery spots (glare ice). These may appear on an otherwise clear road in shaded areas. If a patch of ice is seen ahead, brake before reaching it. Try not to brake while on the ice, and avoid any sudden steering maneuvers.
- Do not use cruise control on slippery *roads*.

- Use high quality ethylene glycol coolant
- Your vehicle is delivered with high quality ethylene glycol coolant in the cooling system. It is the only type of coolant that should be used because it helps prevent corrosion in the cooling system, lubricates the water pump and prevents freezing. Be sure to replace or replenish your coolant in accordance with the maintenance schedule
- Before winter, have your coolant tested to assure that its freezing point is sufficient for the temperatures anticipated during the winter.

CHECK BATTERY AND CABLES

Winter puts additional burden on the battery system. Visually inspect the battery and cables as described.

Don't Let Your Parking Brake Freeze

Under some conditions your parking brake can freeze in the engaged position. This is most likely to happen when there is an accumulation of snow or ice around or near the rear brakes or if the brakes are wet. If there is a risk the parking brake may freeze, apply it only temporarily to block the rear wheels so the vehicle cannot roll. Then release the parking brake.

Don't Let Ice And Snow Accumulate Underneath

Under some conditions, snow and ice can build up under the fenders and interfere with the steering. When driving in severe winter conditions where this may happen, you should periodically check underneath the vehicle to be sure the movement of the front wheels and the steering components are not obstructed.

Carry Emergency Equipment

Depending on the severity of the weather, you should carry appropriate emergency equipment. Some of the items you may want to carry include tow straps or chains, flashlight, emergency flares, sand, shovel, jumper cables, window scraper, gloves, ground cloth, coveralls, blanket, etc.

We do not recommend using this vehicle for trailer towing.

BEFORE YOU START YOUR EV

- Make sure that the area around the vehicle is clear.
- Do a check of the fluid levels - coolant, brake fluid, and wind-shield-washer fluid as frequently as possible.
- Make sure that all windows and lights are clean.
- Examine the tyres for their appearance, inflation pressure and condition.
- Make sure that all doors are closed.
- Position the seat and adjust the headrests.
- Adjust the inside and outside mirrors.
- Fasten seat belts and ask all passengers to do likewise.
- Do a check of the operation of the warning lights when the power switch is pushed to the ON position. For additional information, refer to "Warning lamps and audible reminders" in the "Dashboard and Features" section of this manual.

Procedure To Start Your EV

1. With the smart key, sit in the driver's seat.
2. Fasten the seat belt before you start the vehicle.
3. Make sure to engage the parking brake for your safety.
4. Turn off all electrical devices.
5. Make sure the accelerator and brake pedal have clearance with your right foot.
6. Make sure to press and hold the brake pedal.
7. The vehicle will get ON in 'N' mode only and it will be automatically selected.
8. Press and hold the brake while pressing the start/stop button.
9. When 'Ready' message appears, you can drive the vehicle. Else, you cannot drive the vehicle. Start the vehicle again.

10. Press and hold the brake pedal and rotate the gear knob to the desired position.
11. Release the parking brake and slowly release the brake pedal. See if the vehicle slowly moves forward, then press the accelerator pedal.

Procedure To Stop Your EV

1. Hold down the brake pedal while the vehicle is parked.
2. While pressing the brake pedal, shift the knob in N (Neutral).
3. While pressing the brake pedal, engage the parking brake.

4. Press the start/stop button to stop the vehicle.

ⓘ NOTE

The vehicle must always be put in 'N' when you stop the vehicle before engaging the park brake.

When the 'Ready' message is ON and if the gear knob is in a position other than N (Neutral), the driver can accidently press the accelerator pedal, causing the vehicle to move unexpectedly.

Range Of Your EV

The Nexon EV can drive about 312km when the high voltage battery is 100 per cent charged (ARAI certified).

However, in certain situations like driving at high speed or when the air conditioner/heater is ON, the distance to empty can reduce significantly, as the high voltage battery consumes more electricity.

If the "—-" symbol is displayed, charge the vehicle immediately. After you charge your vehicle, the distance to empty reading may vary significantly depending on previous operating patterns.

When previous driving patterns include high speed driving, resulting in the driving battery using more electricity than usual, the estimated distance to empty is reduced. When the high voltage battery uses a little electricity in ECO mode, the estimated distance to empty increases.

Distance to empty may depend on many factors such as the charge available in the high voltage battery, weather, temperature, durability of the battery, geographical features, and driving style. Natural degradation may occur with the high voltage battery depending on the number of years the vehicle is used. This may reduce the distance to empty. Contact your nearest Tata Motors authorised EV service centre to replace the battery in that case.

Different Modes In Your EV

There are three different modes that tell you the vehicle's energy consumption rate along with the charge/discharge status of the regenerative brakes. These are Power, ECO and Regeneration modes.

- POWER: It shows the energy consumption rate of the vehicle when driving uphill or accelerating. The more electric energy is used, the higher the gauge level.
- ECO: It shows the energy consumption rate during normal driving condition.
- REGENERATION: It shows level of energy saved using regenerative system when brakes are applied.

Cold Weather Driving

⚠ CAUTION

Do not store the vehicle in temperatures below -25°C for more than seven days. If the outside temperature is -25°C or less, the Li-ion battery may freeze and it cannot be charged or provide power to run the vehicle. Move the vehicle to a warm location.

- Connect the charger to the vehicle and place the power switch in the ON position when parking the vehicle if temperatures may go below -20°C.
- Vehicle range may be substantially reduced in extremely cold conditions (for example under -20°C).
- Using the climate control system to heat the cabin when outside temperature is below 0°C uses more electricity and affects vehicle range more than when using the heater when the temperature is above 0°C.

Freeing A Frozen Door Lock

To prevent a door lock from freezing, apply anti-icing agent through the key hole. Some examples of anti-icing agents are sodium chloride, potassium chloride, glycerol, and urea. If the lock becomes frozen, heat the key before inserting it into the key hole or use the remote keyless entry key fob. Handle the heated key with care to avoid burn injuries.

Antifreeze

In the winter when it is possible that the outside temperature will drop below 0°C, check the antifreeze to ensure proper winter protection. For additional information, refer to the Maintenance section of this manual.

12-volt Battery

If the 12-volt battery is not fully charged during extremely cold weather conditions, the 12-volt battery fluid may freeze and damage the 12-volt battery. To maintain maximum efficiency, the 12-volt battery should be checked regularly.

DRIVING TIPS

The battery life, vehicle range, brakes and tyre wear are mainly affected by below factors:

- Operating conditions of your vehicle
- Your personal driving style

Operating Conditions

- Avoid frequent start and stop as these reduce the battery charge.
- Always make sure that the tyre pressures are correct.
- Do not carry any unnecessary weight.
- Regularly service your vehicle and adhere to the recommended service maintenance schedule.

Personal Driving Style

- Do not press the accelerator pedal when starting the car.
- Always adapt your driving style to suit the prevailing road, weather conditions, and maintain a safe distance from the vehicle in front. Drive carefully.
- Avoid frequent, sudden acceleration and braking. Keep an eye on the vehicle's range.
- Driving safety systems are merely aids designed to assist driving. You are responsible for the distance to the vehicle in front, for vehicle speed and anticipating braking in good time.

⚠ WARNING

You could lose control of your vehicle if you try to adjust the driver's seat, head restraint, mirror, steering wheel and fasten the seat belt while driving. There is a risk of an accident.

IMPORTANT TIPS

Do And Don't

- Do not allow the vehicle to be discharged to 0% in storage.
- It is recommended that the vehicle must be charged to a charge level in between 30% to 50% before leaving the vehicle for long time storage. It is recommended that the vehicle must be charged greater than 50% before leaving the vehicle for long resting period (>15 days). After this time period the vehicle must be charged to 100% using Slow Charging before use.
- Do not direct high pressure washer fluid/ water jets (Pressure above 0.5 bar) at electrical devices and connecter during washing. This is to prevent malfunction/failure of electrical system due to water ingress. No High pressure washing in in Motor compartment, Under-floor battery pack and CCS Charging port.
- Drive though calm water only and only if it is not deeper than 300mm and at this depth, the vehicle speed to be maintained at creep speed.
- If car gets completely or partially submerged in water, switch off the ignition, evacuate the car and call RSA (Roadside Assistance) at 18002098282 for assistance.
- For optimum driving range use drive/eco mode and maintain the recommended tyre pressure.
- As EV service requires certain skillsets and trained manpower, it is always recommended to get the car serviced or repaired at only Tata Motors authorized EV workshop.
- Always check the SOC level before start of journey & ensure car is adequately charged. You may check the SOC level on the mobile app also.
- Remote AC command not to be executed through mobile app while/during the charge initiation process.

EV Charging

- Do not use a damaged charging station, plug point or charging port. Using the charger with a worn or damaged port may result in unanticipated consequences.
- Ensure that the charging gun is always stored in a safe place. Do no expose it to rain or wet conditions. Avoid pouring or dripping water or other liquids over it.
- Charging should be done in Vehicle OFF state.
- Battery performance and durability can deteriorate if the fast charger is used constantly. Use of Fast Charging should be minimized in order to help prolong high voltage battery life.
- After a maximum of four continuous fast charging cycles, it is recommended to use Slow Charging and charge the car to 100% State of Charge for optimum performance of high voltage battery pack.
- If the charging gun is removed, reinsertion should be done after at least 10 seconds of removal of the charging gun.
- Once Slow/Fast charging is completed, 90 seconds of time gap is required before the vehicle can be started.
- Overcurrent and leakage current protections are given in the home charging box and charging gun. The RCBO (Residual Current Breaker with Over-Current) should always be in ON state during slow charging use-case and there should be no error (Red) LEDs on the charging gun. In case any tripping of RCBO is observed or error LEDs start blinking on the Charging gun, please contact TATA MOTORS Authorized EV Service Centre.
- Home charging box comes with a key and lock. It is recommended to lock the box during overnight charge or when the charging box is not in use to avoid misuse of the charging point.
- Do not disengage/play around with the Park brake/hand brake while vehicle in fast charging condition.

Additional Driving Tips

1. Drive Smoothly – Do not change the accelerator pedal inputs rapidly. GO as smooth as possible. EV's being instantaneous torque and power – there is very little lag in translating the pedal input to vehicle response.
2. Slow down – EV's give best range between speeds of 40 – 60 kmph. Therefore they are ideal for city applications. Driving in this range along with following of other points here will add your mileage significantly.
3. Maximize regenerative braking – Regenerative braking is the best advantage of an EV. The calibration on the regen is done in such a way that most people can experience a "single pedal" drive at most times, just lift your feet of the accelerator pedal to slow the vehicle down and gain range. Don't brake unless really necessary.
4. Go easy on the heating and Cooling – The heating and cooling on the car uses energy from the battery. Set tem-

peratures to a comfortable 24°C, and see the comfort as well as the range go up significantly.

5. Travel Light – Any additional load in the car drains the battery. Do not add more accessories, do not keep dead weight in the car, and in general travel as light as possible.

SEAT ADJUSTMENTS

Front Seat Adjustments

Following seat adjustments can be carried out manually.

1. Backrest angle
2. Seat height (if equipped)
3. Seat forward/rearward adjustment lever

⚠ WARNING

Do not adjust the driver's seat while driving. Adjusting the seat while driving could cause the driver to lose control of the vehicle.

Seat Backrest Angle Adjustment

To change the seat back rest angle, lean forward slightly and pull up the lever (1). Adjust seat backrest until it reaches desired comfortable position. Make sure that lever returns to its original position and seat is securely latched.

ⓘ NOTE

Adjust the seat backrest until your arms are slightly angled when holding the steering wheel.

⚠ WARNING

Never travel in a moving vehicle with the seat backrest in an excessively reclined position as this can be dangerous. You could slide under the seat belt in a collision.

Seat Height Adjustment (If equipped)

To raise the seat, pull and continue pumping the lever (2) in the upward direction until the seat is at the desired height.

To lower the seat, pump the lever downward until the seat is at desired height.

Seat Forward/rearward Adjustment

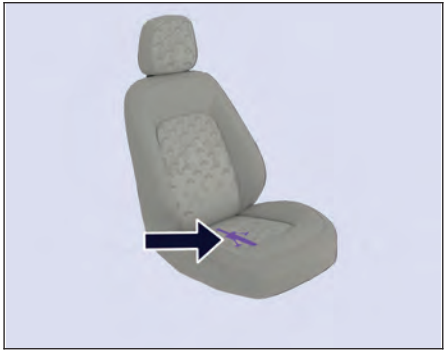
Lift lever (3) and slide the seat forwards or rearwards. Release lever and make sure that seat is securely latched.

ⓘ NOTE

Adjust the driver seat position in such a way that the driver will be able to operate the control pedals conformably.

Occupant Detection System (ODS)

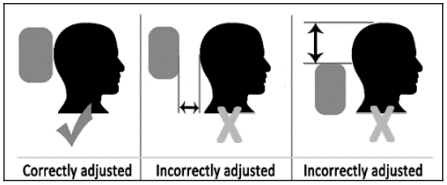
Use of aftermarket cover over the seats may impact the performance of ODS in front co-driver seat.



Adjustable Head Restraint

Front Seats

Adjust the head restraint so that it is as close to the head as possible and the center of the head restraint supports the back of the head at eye level. This will reduce the potential for injury to the head and neck in the event of an accident or similar situation.



⚠ WARNING

Do not drive the vehicle without the seat head restraints. Head restraints are intended to help reduce injuries during an accident.

Rear Seats

Foldable rear seats are provided. Refer 'Stowage area' section for more details.

ⓘ NOTE

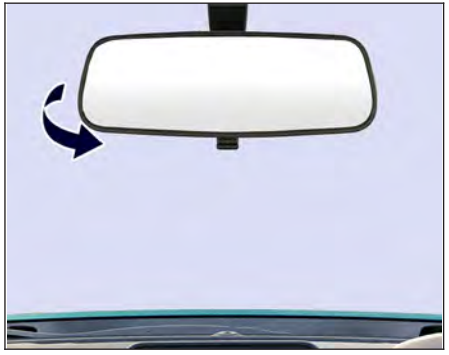
The images provided are for reference purpose only.

REAR VIEW MIRRORS

Inside Rear View Mirror (IRVM)

To adjust the mirror move the mirror up, down or sideways manually to obtain the best rear view.

When driving at night, set the selector tab to select anti-glare mode to reduce glare from the headlights of vehicles behind you.



ⓘ NOTE

Use antiglare position only when necessary, as it reduces rear view clarity.

OUTER REAR VIEW MIRRORS (ORVM)

You can adjust the outer rear view mirrors manually by joy stick or remotely by knob. Adjust the outside rear view mirrors to desired position.

ⓘ NOTE

Objects visible in the mirror are actually closer than they appear. Always make sure of the actual distance from the road users traveling behind by glancing over your shoulder.

Motorized Outer Rear View Mirrors

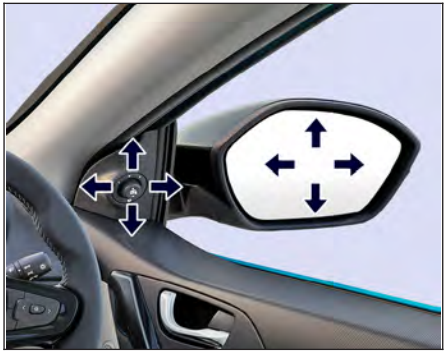
The switch to adjust the motorized mirrors is located on the driver's door. You can adjust the mirrors when the vehicle is switched on.

Auto Folding (if equipped)

To fold / unfold the ORVMs, keep the Selector switch in center position (i.e. neither 'L' nor 'R, position) and then toggle down.

To adjust the mirrors:

1. Move the mirror selection switch to L (for left side) and R (for right side) to select the mirror you wish to adjust.
2. Use the 4 positions of the knob to adjust the rear view mirrors to required position.



SUN VISORS

The sun visors can be pulled down to block the glare coming through the windshield.

To Block The Glare From Side Windows

Pull down the sun visor and release it from retainer. Swing the sun visor to the left side.

Vanity Mirror (If equipped)

Vanity mirror is provided on the back of the front passenger side sun visor.

ELECTRICAL POWER ASSISTED STEERING (EPAS)

Your vehicle is equipped with electric power assisted steering system. The EPAS system assist you to steer the vehicle. If the motor is 'OFF' or if the EPAS system becomes inoperative, the vehicle still can be steered with more steering effort.

In EPAS system, the steering effort becomes heavier as the vehicle speed increases and becomes lighter as the vehicle speed decreases for better control of the vehicle at different vehicle speeds.

This EPAS system is equipped with the following assist features.

1. Speed sensitive assist control
2. Active return control

ⓘ NOTE

The following symptoms may occur during normal vehicle operation:

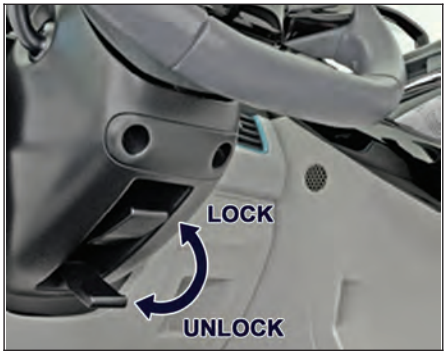
- *The EPAS warning light does not illuminate.*
- *The steering effort can suddenly increase, if the operation of the EPAS system is stopped to prevent serious accidents when it detects malfunction of the EPAS system during self-diagnosis.*
- *Extreme continuous steering may increase the steering efforts. This occurs to prevent internal overheating and permanent damage to steering system.*
- *A 'click' sound may be heard from the EPAS relay after the ignition switch is turned ON or OFF position.*
- *Motor noise may be heard when the vehicle is at low driving speed.*
- *The steering wheel may not unlock normally in some cases when ignition key turned 'ON' or motor*

start/stop button pressed. If this happens, turn the steering wheel to the right or left slightly to unlock the steering wheel while turning the ignition key or pressing motor start/stop button.

⚠ WARNING

If the EPAS system does not operate normally, the warning light will light up on the instrument cluster. The steering wheel rotation may become difficult to control or operate. Then take your vehicle to an authorized TATA EV dealer and have the EPAS system checked as soon as possible.

STEERING WHEEL ADJUSTMENT



You can adjust the steering wheel position to suit your convenience.

The release lever is located under the steering column.

To Adjust The Steering Wheel

1. Adjust the seat to a comfortable position.
2. Push release lever completely down to unlock the steering column.
3. Adjust the steering wheel to the desired position.
4. Pull release lever up completely to lock the steering column.
5. Make sure that steering wheel is securely locked by checking up and down direction.

ⓘ NOTE

When adjusting the steering wheel, make sure that:
You can operate control pedals without any obstacles.
You can see all the displays in the instrument cluster clearly.

⚠ WARNING

Before starting off, make sure the steering wheel position is locked. Never unlock or adjust the steering wheel while the vehicle is in motion.

BRAKING

Your vehicle has disc brakes upfront and drum brakes at the rear. The distance needed to bring the vehicle to a halt increases with the speed of the vehicle. Start applying brake anticipating the distance and slow down gradually.

⚠ WARNING

- Do not use the brake pedal as a footrest.
- If you rest your foot on the brake pedal while driving, the braking system can overheat. This increases the stopping distance and can even cause the braking system to fail. There is a risk of an accident.
- Do not depress the brake pedal and the accelerator pedal at the same time.

If you have driven for a long time in heavy rain without braking, there may be a delayed reaction from the brakes when braking for the first time. This may also occur after the vehicle has been washed.

Brake performance may become poor and unpredictable if brakes are wet.

After driving through water or washing the underside of the vehicle, test the brakes while driving at a slow speed to see if they have maintained their normal effectiveness. If the brakes are less effective than normal, dry them by repeatedly applying the brakes while driving slowly until the brakes have regained their normal effectiveness.

Braking On Downhill Gradients

On long and steep gradients, you must reduce the load on the brakes by lifting your foot off the accelerator. This allows you to take advantage of regenerative braking and helps avoid overheating and excessive wear of the brakes.

GEAR MODES

Neutral

Vehicle is in neutral gear position. This will be indicated N in instrument cluster.

Drive

Vehicle moves forward and ‘D’ will be indicated in instrument cluster.

Sport

The acceleration is more when compared to ‘Drive’ mode as the throttle response is increased. It is indicated as ‘S’ in the instrument cluster.

⚠ WARNING

- Always make sure to keep the gear shift knob in the “N” position ignition is ON and vehicle is stationary.
- Do not shift the rotary knob in “N” position, even momentarily, when the vehicle is in motion.

Reverse

Reverse gear can be engaged only when vehicle is stationary and brake pedal pressed. An audio signal indicates when reverse gear is engaged. R will be indicated in instrument cluster.

STARTING AND STOPPING (PEPS)

Motor Passive Start/stop

Start/Stop button is provided on the dashboard towards the left side of steering wheel.

Start / Stop Button

A Start/Stop button or Push to Start Button is a main component of PEPS system. It is used to control ACC, IGN outputs as well as to start and stop the motor.

ⓘ NOTE

- *If Smart key is inside the vehicle and on pressing start stop switch, if start stop switch green LED blink for 10 seconds then rotate steering wheel and simultaneously press start/stop button again.*
- *If smart key is inside the vehicle and on pressing start stop switch, if start/stop button green LED blinks more than 10 seconds, then contact authorized TATA MOTORS EV dealer.*
- *If ESCL (Electronic Steering Column Lock) is not unlocked properly, then vehicle doesn’t go into ACC mode.*

Backup Start

If smart key battery voltage is low or empty and vehicle is in OFF mode then to start the vehicle user needs to press start/stop button two times with interval of 2.5 seconds between two presses after pressing the brake pedal with valid smart key near

Immobilizer antenna (below head unit).

Emergency Start

ⓘ NOTE

If ESCL (Electronic Steering Column Lock) is not unlocked properly, then vehicle will not get cranked.

PEPS - UID KEY (if applicable)

Introduction

It is a new gen technology to create wow factor among customers and enable easy entry into the car.

- It provides an innovative form factor for car access Key-fob in form of UID (Smart Key).
- Customer can wear it on his/her wrist and drive the car (ease of carrying and usage)
- This shall perform dual functions of Passive entry/exit and Passive start (similar functions of UID)
- Protected with IP67 compliance that means dust proof and temporary water immersion (1m depth for 30min)

UID (Smart Key)

PEPS Features

(a) Passive Entry

Entry in Vehicle through Driver Door:

- Customer reaches to driver door
- Customer presses driver door handle switch along with valid UID (Smart Key) within authentication range approx. 1.2 m.

Tailgate Opening of vehicle:

- Customer reaches to tailgate.
- Customer presses tailgate handle along with valid UID (Smart Key) within authentication range of 1.2m.

UID (Smart Key)

Tailgate handle

(b) Passive Exit

Exit from Vehicle through Driver Door

- Customer finishes driving and switches off the vehicle.
- Customer exits the vehicle and closes door.
- Customer presses driver door handle switch along with valid UID (Smart Key) within authentication range of 1.2m.
- Vehicle gets locked.

UID (Smart Key)

Battery Replacement Procedure

How does customer understand the battery of UID (Smart Key) fob is low?

- If customer press the driver door handle switch or tailgate switch 2-3 times with valid UID (Smart Key) and if passive entry is not working it means UID (Smart Key) battery is low.
- As standby he can use Smart Key (UID) or emergency key for entry.
- Customer to contact nearby dealer or service station for battery replacement.

Battery Specifications

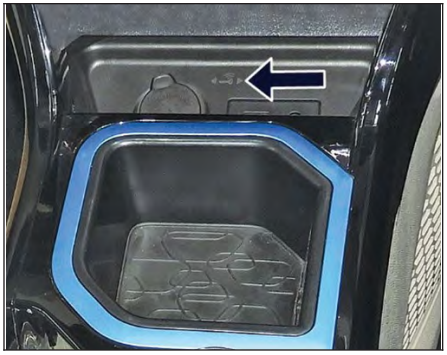
- Lithium Battery CR1632
- Voltage 3V
- Make: Panasonic, Renata

ⓘ NOTE

Battery life 10 month or 25000 PKE cycles (whichever is earlier)

Emergency Start

- If UID (Smart Key) battery is low or drained, customer can go through battery replacement procedure to take necessary action.
- In this condition customer has to keep “UID (Smart Key)” near centre console antenna (within 7 cm).
- Press the start-stop button twice within 10 seconds.
- Vehicle will start and customer can drive the car.



PARKING BRAKE

Mechanical parking brake acting only on the rear wheels is provided on the vehicle. To apply the parking brake, pull the lever up fully. The parking brakes tell-tale illuminates on the instrument cluster. To release it, pull the lever up slightly, press the release button and push the lever down. Parking brakes tell-tale on the instrument cluster will turn ‘OFF’ when the lever is fully released.

Parking brake released

To release it, pull the lever up slightly (1), press the release button (2) and push the lever down (3). Parking brakes tell-tale on the instrument cluster will turn 'OFF' when the lever is fully released.

ⓘ NOTE

Apply the parking brake properly before leaving the vehicle and release it before moving.

VEHICLE PARKING

- Park the vehicle in a safe place. Switch on the indicator signal be-fore turning to park.
- Apply the parking brake.
- Ensure that all window glasses are closed and all lamps are turned 'OFF'.
- At night, put on the parking lights if re-quired.
- Block the wheel if parked on a slope.

ⓘ NOTE

While parking on uphill or downhill gra-dients, place the gear lever in the 'N' po-sition and engage parking brake.

⚠ WARNING

Never leave children unsupervised in the parked vehicle. They could also op-erate the vehicle's equipment. There is a risk of an accident and injury.

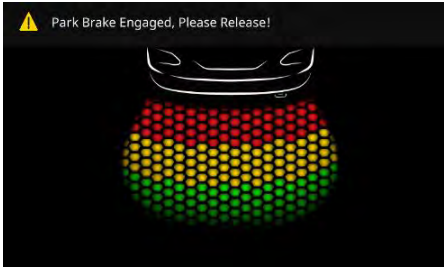
ⓘ NOTE

Do not use parking brake for braking unless unavoidable circumstances like when service brake is not working prop-erly. The braking distance is consider-ably longer and the wheels could lock. There is an increased danger of skid-ding and accidents.

REVERSE PARK ASSIST WITH SENSOR (if equipped)

Reverse Park Assist system is an electronic parking aid that will assist you to park your vehicle safely when in reverse gear mode. It provides audio and visual information through the vehicles infotainment system. The reverse park assist system can also be activated manually through infotainment screen.

Always look at surrounding before initiating reverse parking, for kids, pets and elderly people moving around the vehicle.



There are ultrasonic sensors placed on the rear bumper of the vehicle. Once the system is activated, the sensors will detect the proximity of an obstacle from the bumper, and this information would be displayed on the vehicles infotainment system. In Low variants, only audio warning shall be given through a buzzer.

Approximate Distance From Bumper, In Cm	Visual Information	Audio Warning
25-40	All six zones are highlighted (red, yellow, green)	Continuous beep
41-80	Bottom four zones are highlighted (yellow and green)	Fast beep
81-120	Bottom two zones are highlighted (green)	Slow beep

In case of low end variants where Infotainment system is not available, audio buzzer will be played within first two seconds to indicate the proper functioning of the system when reverse park assist is activated. After these two seconds, normal functioning of the system will continue. If no audio buzzer is heard for first two seconds, it mean that RPAS system is faulty. Please take the vehicle to a TATA MOTORS authorized EV service outlet.

⚠ WARNING

0 to 25 cm obstacle detection performance is not guaranteed due to ultrasonic sensor technology limitation.

Park Assist Indications

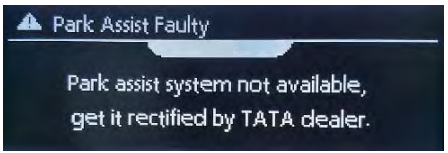
If Reverse park assist system malfunctions, the following fault messages will appear on the infotainment system.

Reasons for this fault may be:

a. Park Assist Controller / Body Control Module Failure"

b. Sensor Malfunction

c. Partner components such as Infotainment music system, Instrument Cluster failure.



Reverse Park Assist Limitations

Reverse Park Assist system is not a collision avoiding system. It is solely the driver's responsibility to park the vehicle safely.

Reverse Park Assist feature works on ultra sound echo technology, due to which performance is not guaranteed in following scenarios:

- If the object has a sharp edge sur-face, where surface may divert echoes from sensor reception.
- If object is mesh fence made up of thin wires, where echoes can't be given by the surface.
- Fast moving objects passes in the sensor field of detection, where echoes

are not processed by the system.

- If object is made/covered by foam or sponge or snow where ultrasonic sound signals are absorbed.
- Objects close to the rear bumper can go undetected by the Reverse Park Assist field of detection. Driver should use extreme caution while parking the vehicle.
- If height of the bumper is changed due to alteration to the suspension or other causes
- If the sensor areas are extremely hot from direct sunlight or cold due to freezing weather.
- If sensors are covered by a hand, sticker, accessory, etc.
- If ultrasonic noise is present around Vehicle due to other vehicle sensors, horn, motor, air braking system (large vehicles), Exhaust Fans, Wireless transmitters or mobile phones
- If the vehicle speed exceeds 10 kmph, the system will not warn you even though objects are detected, error message 'Vehicle Speed is high, drive slowly!' will appear.
- Driving on uneven road surfaces e.g. Gravel, unpaved roads, Artificial Speed Breakers, or gradient.
- Poles of square/rectangular cross section might not be detected due to the ultrasonic technology limitation.

⚠ WARNING

Due to any reason, if the sensor gets misaligned or loses its intended fitment position, contact your dealer for refitment.

ⓘ NOTE

Turning the ignition 'OFF' 'while the Park assist feature in running would disable the feature.

Reverse Park Assist System Preventive Maintenance

1. Regularly clean the Sensors/camera* (*if equipped) and keep them free from dust, ice, mud, water, chewing gum etc. for proper working of the system. Use a smooth cloth for cleaning.
2. Do not use water at high pressure for cleaning the sensor or camera.
3. Do not cover the Sensors/camera* (*if equipped) surface with any additional fitment. This will interrupt park assist performance.
4. Do not remove mud, snow on the sensors using stick or hard material. Use normal water and soft cloth.

General Warnings

1. In low light conditions, the screen may darken or image may appear faint.
2. If the tire sizes are changed, the position of the fixed guidelines dis-played on the screen may change.
3. In case of damage of the rear portion of the vehicle, Reverse Park Assist sensors position may change which causes wrong visual information on display. In case of dam-age make sure that Reverse Park Assist sensors are fitted properly at the intended location.
4. In case of uneven road conditions or

up-hill or downhill conditions, do not depend on Reverse Park Assist aid.

5. Do not apply any kind of force on the reverse park assist sensors.
6. Always use rear view mirrors along with Reverse Park Assist for confirming the safety of the rear and the surrounding conditions.

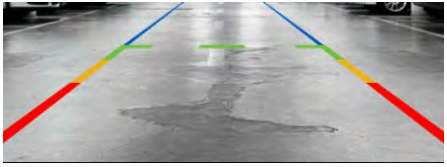
REAR VIEW CAMERA

Rear View Camera is a visual reverse guiding system. When reversing or parking, make sure that there are no persons, animals or objects in the area which you are reversing.

ⓘ NOTE

Turning the vehicle 'OFF' while the reverse park assist feature in running would disable the feature.

Display screen



Activation

Reverse Mode

This system will activate, if reverse gear is engaged, or reverse park assist button (if equipped) is pressed.

Deactivation

System will stop, if reverse gear is disengaged, or reverse park assist button (if equipped) is pressed.

Understanding Guidelines Indication

Green Line

You can safely reverse the vehicle, but be cautious if objects fall in this zone.

Yellow Line

You have to take utmost care if objects fall in this zone. However, the objects may not hit vehicle.

Red Line

Red line indicates that you have to stop reversing the vehicle. If you still go backwards, the car will hit the obstacle.

Do's And Don't

- Do not use camera when tailgate is open. If tailgate is open, visual information may not be the actual rear view of the vehicle & system will warn with message 'Tail Gate Open, Please close'.
- When the camera is operated un-der fluorescent lights, sodium light or mercury light etc., illuminated areas on the lens may appear to flicker in the display.
- Do not attach any advertisement or styling or any kind of stickers on top of camera. If this happens, camera cannot provide you the visual image and may damage camera.
- Do not add any accessory, which will obstruct camera field of view.

Cleaning Camera

1. Due to environmental reasons, dust, mud or fog may accumulate on the camera lens. So regularly clean the camera lens.
2. Use water to clean the camera lens. Do not use extreme cold or hot water. Rapid changes in temperature may brittle the camera lens. Do not apply High Pressure water for cleaning.
3. Wipe the camera lens with soft cloth.
4. Do not use hard cloth or material to wipe the camera lens. This will cause scratches on the camera, and leads to deteriorated visual image on the display.
5. Do not apply organic solvent, car wax, window cleaner or glass coat to clean the camera. If this is applied, wipe it off as soon as possible.
6. Do not apply heavy force on lens, while cleaning.
7. Do not remove mud, snow on the camera lens using stick or hard material. Use normal water and soft cloth.

⚠ WARNING

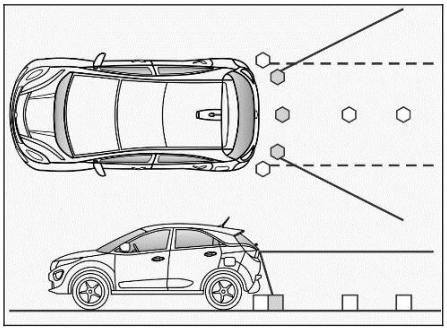
- The camera uses fish eye lens. So the size of the objects or in the display may differ from the actual size and distances in low light conditions, the screen may darken or image may appear faint.
- If the tire sizes are changed, the position of the fixed guide-lines displayed on the screen may change.
- During rainy conditions, image may get obscured. In such conditions, do not depend on camera view. The camera used in the vehicle, may not reproduce the same color of the real object.
- In case of damage of the rear portion of the vehicle, camera position may change. Which causes wrong visual information on display. In case of damage, make sure that, camera is fitted properly at the intended location.
- In case of uneven road conditions or up-hill or downhill conditions, do not depend on rear view camera park aid.
- Do not apply any kind of force on the camera.
- Always use rear View mirrors along with Rear View Camera for confirming the safety of the rear and the surrounding conditions.
- High humidity and variation in ambient temperature may result into condensation inside the camera lens, which may further result into degradation of camera video feed on the screen. It is recommended that not to rely on camera video feed for parking assistance in such scenario. This phenomenon is temporary and will be automatically recovered with reduction in humidity and less variation in ambient temperature.
- The area displayed by the rear view camera is limited. The camera does not display objects that are close to or below the bumper, underneath the vehicle, or objects out of the

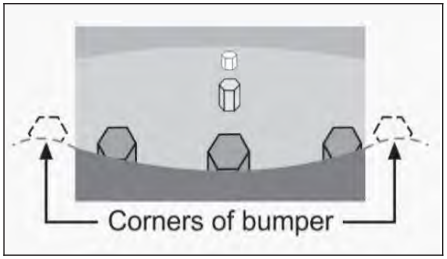
camera's field of view. The area displayed on the screen may vary according to vehicle orientation or road conditions.

Rear View Camera System Precautions

1. Area Displayed On Screen

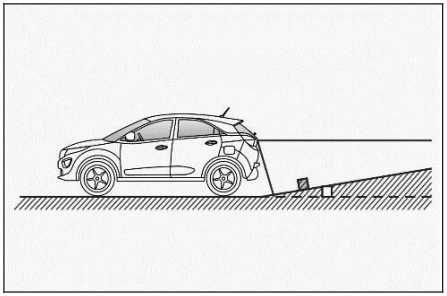
The rear view camera system displays an image of the view from the bumper of the rear area of the vehicle.

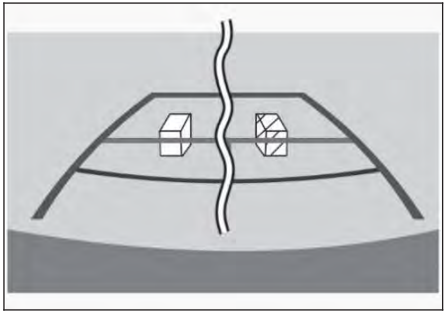




- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects, which are close to either corner of the bumper or under the bumper, cannot be seen on the screen.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance. The camera may not display items that are located higher than the camera field of view.

2. When The Ground Behind The Vehicle Slopes Up Sharply



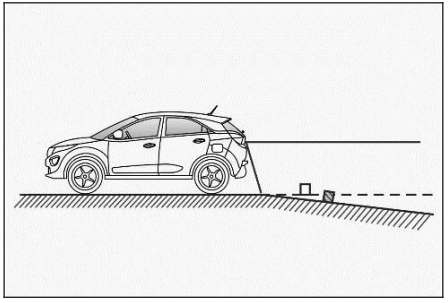


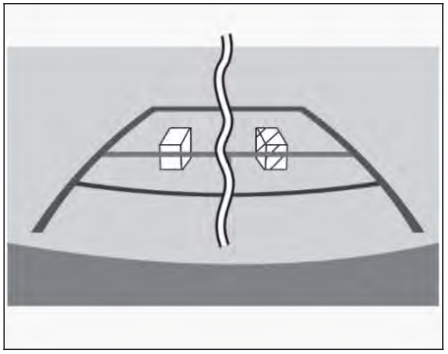
The distance guidelines will appear to be closer to the vehicle than the actual distance.

Because of this, objects will appear to be farther away than they actually are.

In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.

3. When The Ground Behind The Vehicle Slopes Down Sharply

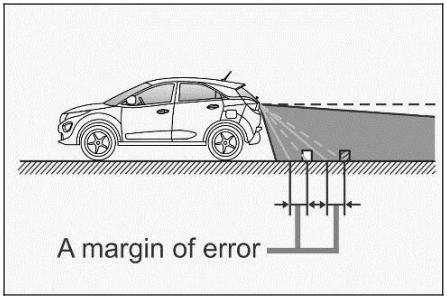




The distance guidelines will appear to be further from the vehicle than the actual distance.

Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.

4. When Any Part Of The Vehicle Sags



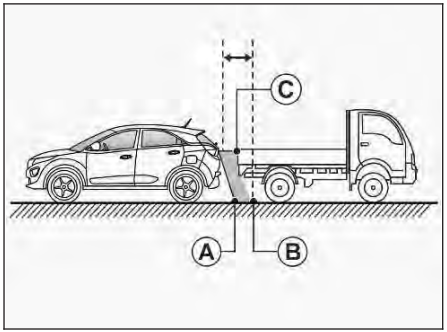
When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the fixed guide lines on the screen and the actual distance/course on the road.

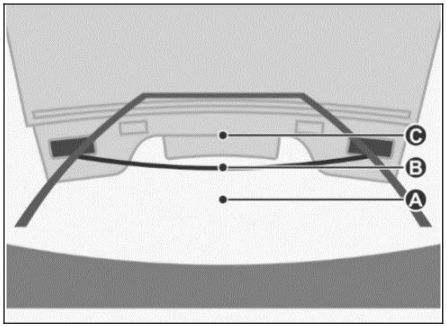
5. When Approaching Three-dimensional Objects

The distance guidelines are displayed according to flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the distance guidelines. When approaching a three-di-

mensional object.

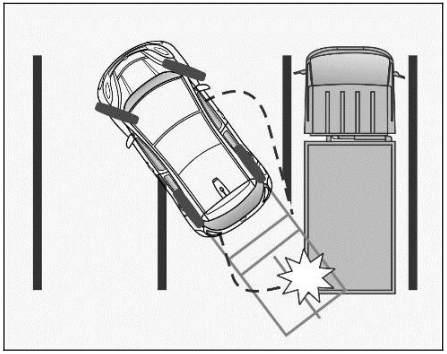
a. Distance guidelines

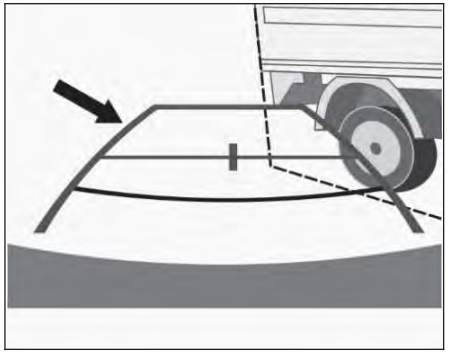




Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parked at point B. However, in reality if you back up to point A, you will hit the truck. On the screen, it appears that A is closest and C is furthest away. However, in reality, the distance to A and C is the same, and B is farther than A and C.

b. Vehicle width guidelines





EMERGENCY EQUIPMENT

You should be familiar with the location of the emergency equipment provided in the vehicle and how to use it.

Check this equipment periodically and make sure that they are in proper working condition and stowed at their locations.

First Aid Kit

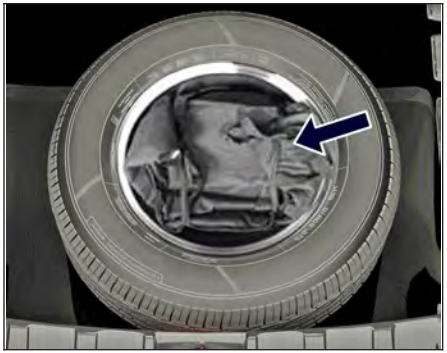
The first aid kit is kept inside the glove box compartment.

The kit contains items that can be used in case of minor injuries only.

ⓘ NOTE

Check contents of the first aid kit periodically and replenish consumed or expired items.

Tool Kit, Tow Hook, Jack And Spare Wheel



Following parts are provided as part of toolkit in the rear boot.

- Tow hook
- Wheel Spanner
- Spanner 8x10
- Jack Handle
- Jack
- Spare wheel
- Advance warning triangle

ⓘ NOTE

The jack should be used only to change wheels. It is important to read the jacking instructions in this section before attempting to use the jack.

Advance Warning Triangle

An advance warning triangle is kept in the luggage compartment.

Use advance warning triangle to warn the approaching traffic in case of vehicle break-down or during emergency, where your vehicle could become a potential traffic hazard.

Press hazard warning switch, all turn signal lamps will start blinking.

Keep the warning triangle at an approximate distance of 50-150 m behind your vehicle in the same lane of traffic. The reflecting side of the triangle should face the oncoming traffic and it should be free from any obstacles.

Remove the advance warning triangle carefully from the bag and assemble. Refer instructions given on the bag.

ⓘ NOTE

After using the warning triangle tie it firmly and keep it inside the bag to avoid rattling noise.

Spare Wheel Removal Process

- To access the spare wheel, open the tail gate and lift the carpet up.

- Take out the advance warning triangle and tray.

To remove the spare wheel, unscrew and remove the retaining bolt.

HAZARD WARNING SWITCH

Press the hazard warning switch to activate the hazard warning. All the turn signal lamps will flash simultaneously. To turn OFF, press the switch again.

Use the hazard warning to warn the traffic during emergency parking or when your vehicle could otherwise become a traffic hazard.

The hazard warning lamps can operate even if the ignition is switched off.

IN CASE OF FLAT TYRE

- Reduce vehicle speed gradually, without making any sudden steering or braking maneuvers. Pay attention to the traffic conditions as you do so.
- Switch on the hazard warning lamps.
- Stop the vehicle on solid, non-slippery and level ground, as far away as possible from traffic.
- If possible, bring the front wheels into the straight-ahead position.
- Secure the vehicle against rolling away.
- Set the parking brake firmly.
- Switch off the motor.
- Keep advance warning triangle at a suitable distance behind the vehicle as an indication of breakdown.
- Close all the doors.

⚠ WARNING

If you drive with a flat tyre, there is a risk of the following hazards:

- A flat tyre affects the ability to steer or brake the vehicle.
- You could lose control of the vehicle.
- Continued driving with a flat tyre will permanently damage the tyre and cause excessive heat buildup and possibly a fire. There is a risk of an accident.

⚠ WARNING

DO NOT jump start the vehicle, since it is an EV. If the 12V battery is completely discharged, contact the nearest Tata Motors EV service center.

Changing Flat Tyre

Loosen the nuts (as indicated) on the wheel in diagonal sequence. Do not unscrew the nuts completely before jacking the vehicle.

Wheel nut removal

ⓘ NOTE

- *The jack is designed only to raise and hold the vehicle for a short time while a wheel is being changed. It is not suited for performing maintenance work under the vehicle.*
- *Use the jack on level, hard ground. Avoid changing the wheels on uphill and downhill slopes. Chock the wheels, if the deflated wheel needs to be changed on slope / ghat area.*
- *Before raising the vehicle, se-cure it from rolling away by applying the parking brake.*
- *Do not use wooden blocks or similar objects as a jack underlay.*
- *Never place your hands and feet or lie under the raised vehicle when it is supported by the jack.*
- *Never run the motor when the vehicle is supported by the jack and never allow passengers to remain in the vehicle.*
- *Never open or close a door or the tailgate when the vehicle is raised.*

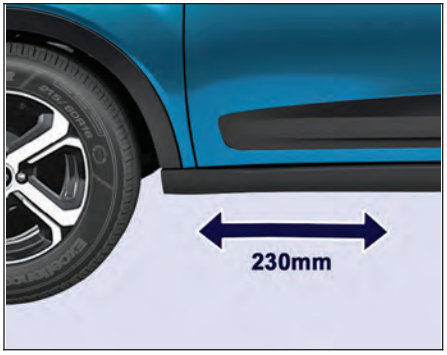
Assemble the Jack handle and wheel spanner (as shown in jacking fig.)

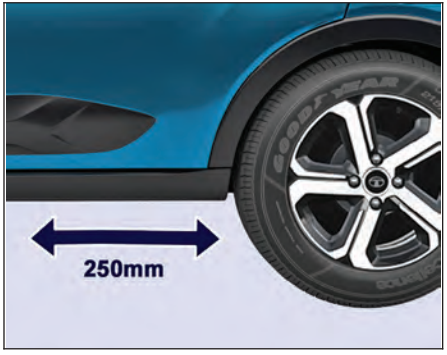
Position the jack vertically and raise it by turning the jack handle clockwise until the jack sits completely on jacking point and the base of the jack lies evenly on the ground.

The jacking points ▼ are indicated on sill cover of the vehicle (Refer jacking point location).

Jacking Point Locations On Vehicle

Jacking point location front and rear



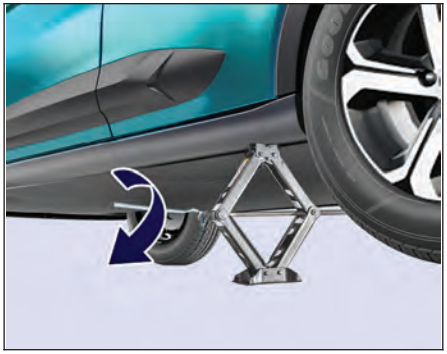


⚠ WARNING

If you do not position the jack correctly at the appropriate jacking point of the vehicle, the jack could tip over with the vehicle raised. There is a risk of injury.

Continue to raise the jack slowly and smoothly until the tyre clears the ground. Do not raise the vehicle more than necessary.

Lifting front wheel using jack



Lifting rear wheel using jack

Remove wheel mounting nuts with the help of wheel spanner and take out flat tyre.

ⓘ NOTE

Do not place wheel nuts in sand or on a dirty surface. Do not apply oil or grease on it.

Roll the spare wheel into position and align the holes in the wheel studs.

Install wheel nuts with their cone shaped end facing the wheel. Tighten each nut by hand until the wheel is securely seated on the hub.

Lower the jack completely then tighten the wheel nuts in diagonally opposite sequence.

Press fit the wheel cover back (if fitted).

Restore all the tools and jack at their respective location.

Place the flat tyre at spare wheel location.

ⓘ NOTE

Check and correct the tyre pressure and wheel nuts tightness of the changed wheel at nearest authorised service station. Get the flat tyre repaired at the earliest.

Recommended Towing

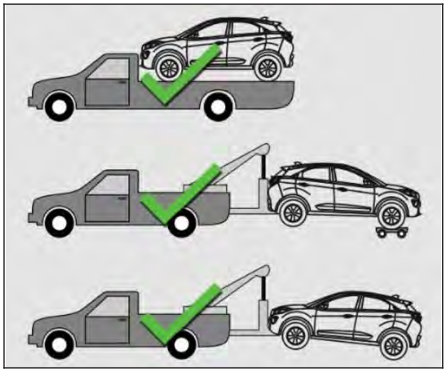
In case of break down, we recommend that your vehicle be towed with the driving wheels off the ground or place the vehicle on a flatbed truck as shown.

⚠ WARNING

- Do not tow your vehicle with the front wheels on the ground or four wheels on the ground (for-ward or backward), as this may cause serious damage to the E-Drive.
- When towing with the rear wheels on the ground or on towing dollies, place the ignition switch in the ‘ACC’ or ‘ON’ position, and secure the steering wheel in the straight-ahead position with a rope or similar device.

Wrong method:

Correct methods:



Tow Hook Fitment

- Open the tailgate and remove tow hook from the tool kit.
- Open the tow hook cover provided on the front bumper by pressing it at the bottom part and simultaneously pulling it at the top (as shown in fig). Screw in and tighten the tow hook in clockwise direction.
- After towing, remove the towing hook and press fit the cover properly.
- Place the towing hook in the vehicle tool kit.

PUNCTURE REPAIR KIT (if available)

Introduction

⚠ WARNING

Compliance with these instructions is vital to ensure vehicle safety. Non-compliance with these instructions means risking tire damage, which can affect vehicle handling and lead to loss of vehicle control. This may result in serious injury or death .Inform all other users of the vehicle if standard items for dealing with a puncture (e.g. spare tire) have been replaced by the Puncture repair Kit.

The Puncture repair Kit seals most tire punctures to restore temporary mobility. Recommended use only for passenger car ground tires only and vehicle tire inflation pressure up to 300kPa (3 bar 43psi). The system consists of a compressor and a sealant, and serves to effectively and conveniently seal punctures in car tires caused, for example, by nails or similar foreign objects with a diameter of up to ¼″ (6 mm).

Depending on the type and extent of tire damage, some tires can only be partially sealed or not sealed at all. Loss of tire pressure can affect vehicle handling, leading to loss of vehicle control. Observe the following rules when using the Puncture repair Kit:

- Drive with caution and avoid making sudden steering or driving maneuvers, especially if the vehicle is heavily loaded or you are towing a trailer.
- The system will provide you with an emergency temporary repair, enabling you to continue your journey to the next vehicle or tire dealer, or to drive a maximum distance of 200 km (120 miles).
- Do not exceed a maximum speed of 80 km/h (50mph).
- Keep the Puncture repair Kit out of the reach of children.
- Once the Puncture repair Kit has been used for a temporary tire repair, the functionality of the TPMS module (if applicable) shall be checked by an expert and replaced if necessary.

These instructions provide a step-by-step explanation of how to use the Puncture repair Kit to temporarily repair a tire puncture.

Please read the section on “How to proceed in the event of a tire puncture”.

⚠ WARNING

Do not use the Puncture repair Kit if the tire has already been damaged as a result of being driven underinflated. Do not try to seal damage other than that located within the visible tread of the tire. Do not try to seal damage to the tire’s sidewall.

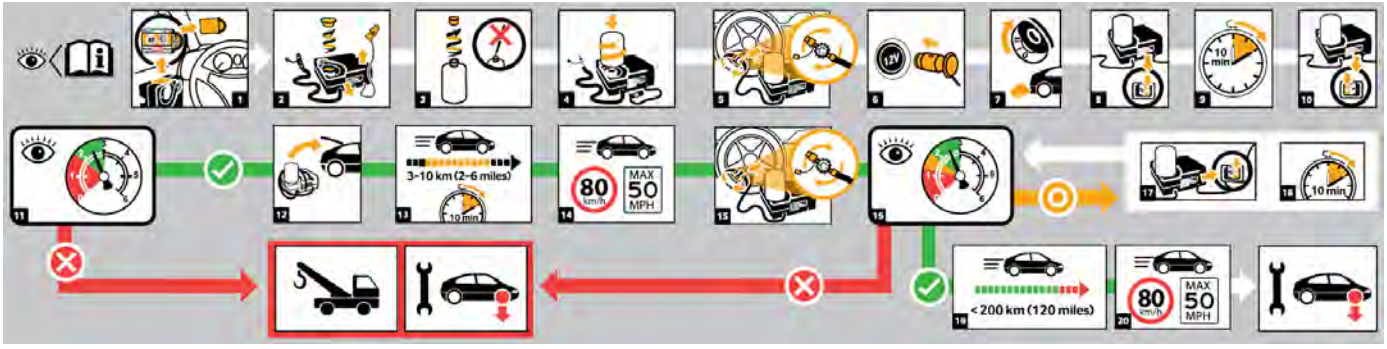
Location In Vehicle

In Luggage Compartment

Puncture Repair Kit Removal Process

- To access the puncture repair kit open the Tailgate.
- Remove the two Velcro as shown in figure and take out the puncture repair kit.

Steps:



Instructions On How To Use The Puncture Repair Kit Safely

- Use product with original vehicle ground tires only.
- Only use the Puncture repair Kit with tubeless tires.
- If used for other than its intended purpose, the Puncture repair Kit may cause severe accident or injury due to the fact that compressed air can act as an explosive or propellant.
- Park your vehicle at the roadside so that you do not obstruct the flow of traffic and you are able to use the Puncture repair Kit without being in danger.
- Engage the hand brake, even if you have parked on a level road, to ensure that the vehicle will not move.
- Do not attempt to remove foreign objects like nails or screws penetrating the tire. Leave them as they are.
- Leave the motor running while the Puncture repair Kit is in use, but not if the vehicle is in an enclosed or poorly ventilated area.
- Never leave the Puncture repair Kit unattended while in use.
- Do not keep the compressor operating for more than 10 minutes otherwise there is a risk of it overheating.
- Replace the sealant bottle with a new one before the expiration date is reached (see bottle label). In case that the sealant is expired the functionality cannot be fully guaranteed. Only use original Puncture repair Kit bottles which are pressure resistant.

How To Proceed In The Event Of A Tire Puncture

You can temporarily repair a tire puncture in two steps.

First pump the tire sealant and air into the tire (see Step 1).Immediately there-after, drive a short distance (3-10km / 2-6 miles) in order to distribute the sealant in the tire. After that, check the tire pressure and pump more air into the tire if necessary (see Step 2). Then you can proceed to drive with caution for a maximum distance of 200 km (120 miles) and at a maximum speed of 80 km/h (50 mph).

Inform all other users of the vehicle that the tire has been temporarily sealed with the Puncture repair Kit and make them aware of the special driving conditions to be observed.

⚠ WARNING

Need to drain fluid from tire before repair.

Step 1: Pumping The Tire Sealant And Air Into The Tire

1. Peel off the decal denoting the maximum permissible speed (80 km/h | 50 mph) from the casing and attach it to the edge of the windscreen as shown on the picture.
2. Take the hose and power plug with cable out of the Puncture repair Kit casing. Unscrew the orange cap of the bottle connector.
3. Unscrew the red cap of the sealant bottle. (Shake sealant bottle well before use.)

⚠ WARNING

Leave the bottle seal intact. Screwing the bottle onto the bottle holder will pierce the seal of the bottle. Avoid skin contact with the sealant which contains natural rubber latex. Do not open pressure “air release” valve. Please use protective glove for safety purpose.

4. Screw the bottle clockwise firmly against the slight resistance of the notches onto the sealing gasket of the bottle connector until it is screwed tight.
5. Remove the valve cap from the damaged tire. Pull the protective cap off the end of the hose and screw the hose firmly onto the valve of the damaged tire. Make sure that the compressor switch is switched to “0” and the pressure “air re-lease” valve is closed.
6. Insert power plug into the 12 volt power socket connection.
7. Start the motor (only if the vehicle is outdoors or in a well ventilated area).
8. Press compressor switch to “I”.

ⓘ NOTE

Check the sidewall of the tire prior to inflation. If there are any cracks, bumps or similar damage, do not attempt to inflate the tire. Do not stand directly beside the tire while the compressor is pumping. Watch the sidewall of the tire. If any cracks, bumps or similar damage appear, turn off the compressor and let the air out by means of the pressure “air release” valve. In this case, do not continue to use the tire.

ⓘ NOTE

When pumping in the sealant through the tire valve, the pressure may rise up to 500 kPa (5 bar, 73 psi) but will drop again after about 30 seconds.

9. Inflate the tire within about 10 minutes to an inflation pressure of minimum 180kPa, (1.8 bar, and 26 psi) and a maximum of 300kPa (3 bar, 43 psi).
10. Switch off the compressor briefly in order to read the actual tire pressure from the pressure gauge.

⚠ WARNING

If the tire inflation pressure does not reach 180kPa (1.8bar, 26 psi) within 10 minutes, the tire may have suffered excessive damage, making a temporary repair impossible.
In this case, do not continue to use the tire.

11., 12. Once a tire inflation pressure of at least 180kPa (1.8 bar, 26 psi) has been reached.

- Switch the compressor to “0”.
- Pull the power plug from the 12 volt power socket connection.
- Slowly unscrew the hose from the tire valve (sealant residues may escape from the hose) and put the protective cap back onto the hose.
- Leave the bottle in the holder. This avoids unexpected leakage of sealant residue.

- Make sure the Puncture repair Kit, the cap of the bottle and the orange cap are stored safely, but are still easily accessible, in the vehicle.

The kit will be needed again when you check the tire pressure.

13., 14. Immediately start and drive for about 3-10 km (2-6 miles) so that the sealant can seal the damaged area. Do not drive for more than 10 min and not any faster than 80 km/h (50 mph) (observe the decal indicating the permissible speed).

⚠ WARNING

If heavy vibrations, unsteady steering behaviour or noises should occur while driving, reduce your speed and drive with caution to a place where it is safe for you to stop the vehicle. Recheck the tire and its pressure. If the tire pressure is less than 130kPa (1.3bar, 19 psi) or if there are any visible cracks, bumps or similar damage on the side wall, do not continue to use the tire!

Step 2: Checking The Tire Pressure

15. Stop the vehicle after driving about 3-10 km (2-6 miles).Check and, where necessary, adjust the pressure of the damaged tire. Remove the protective cap from the end of the hose. Screw the hose firmly onto the valve of the damaged tire.

16. Read the tire pressure from the pressure gauge.

If the pressure of the sealant-filled tire is 130kPa (1.3 bar, 19 psi) or more, it must now be adjusted to the pressure specified for your vehicle (Refer sticker on vehicle).

⚠ WARNING

If the tire check shows that the pressure of the sealant-filled tire is less than 130kPa (1.3 bar, 19 psi) or if there are any visible cracks, bumps or similar tire damage on the side wall, you must not continue to use that tire.

- Make sure that the compressor switch is switched off to “0”.
- Insert the power plug into the 12 volt power socket connection.
- Start the motor (only if the vehicle is outdoors or in a well ventilated area).

17., 18. Switch the compressor on to “I” and pump the tire up to the specified tire pressure within max. 10 minutes.

ⓘ NOTE

Compressor unit we can use for filling the air & checking the pressure of the normal tire.

- Switch the compressor off and check the tire pressure again. If tire pressure is too high, deflate the tire to the specified pressure using the pressure “air release” valve.
- Rest of the remaining sealant in the hose might leak out when opening pressure “air release” valve or taking off the protective cap of the hose. Please use protective glove for safety purpose.

- Once you have inflated the tire to its correct tire pressure, switch off the compressor, pull the plug out of the socket, unscrew the hose, fasten the tire valve cap and put back on the protective cap of the hose.
- Leave the bottle in the holder and store the Puncture repair Kit away safely in the vehicle trunk.

⚠ WARNING

After using the sealant you may drive no faster than 80 km/h (50 mph), and the damaged tire must be replaced as quickly as possible (within a maximum driving distance of 200 km (120 miles). You must not continue to drive if heavy vibrations, unsteady steering behavior or noises should occur while driving.

19., 20. Drive to the nearest workshop to get the damaged tire repaired and if the tire repair is not possible, tire should be removed from the car. Before the tire is removed from the rim, inform your tire dealer that the tire contains seal-ant. Sealant deposits in a used hose may impair proper function of the Puncture repair Kit. Both the sealant bottle and the hose need to be replaced together after using the Puncture repair Kit.

ⓘ NOTE

Remember that emergency road-side tire repair kits only provide temporary mobility. Regulation concerning tire repair after usage of Puncture Repair Kit may differ from country to country. You should consult a tire specialist for advice.

⚠ WARNING

Before driving, ensure tire is adjusted to recommended inflation pressure as indicated on vehicle placard. Monitor tire pressure until sealed tire is replaced. Proceed as described above from point 15 onwards.

New sealant and replacement parts can be purchased from your authorized repair shop or dealer. Sealant bottles can be disposed with household waste.

TOWING

When towing a break down vehicle, certain precautions and procedures must be taken to prevent damage to the vehicle and/or components. Failure to follow standard towing procedures could result in an accident or injury due to the unsafe operating condition.

To ensure proper towing and to prevent accidental damage to your vehicle, take help of a TATA MOTORS authorized EV dealer or a commercial tow-truck service.

ⓘ NOTE

Make sure that the parking brake is released; vehicle in neutral position and steering wheel is unlocked. The power steering functions only when motor is running. Hence, during towing the steering efforts will be more.

Emergency Towing

If towing is necessary, we recommend you contact the nearest Tata Motors authorised EV dealer or service centre. In case of an emergency situation when towing is not available, your vehicle can be temporarily towed using a cable or chain connected to the emergency towing hook at the front of the vehicle.

To avoid serious damage to your EV, do not flat tow it. In an emergency situation, use extreme caution when towing the vehicle with a cable or chain. A driver must be in the vehicle to steer and operate the brakes. Towing, in this case, should be done only on hard surfaced roads for a short distance at low speeds (max 20kmph).

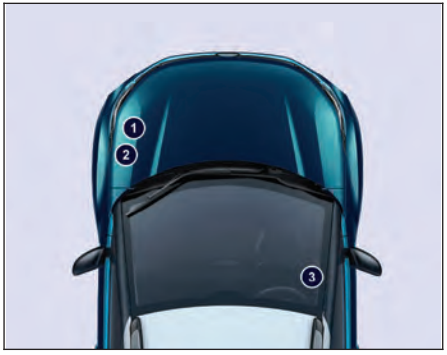
⚠ WARNING

- Do not get under your vehicle after it has been lifted by a tow truck.
- For towing a vehicle, the best way is to use a flat bed truck. Alternatively use a rigid tow bar.
- Switch ‘ON’ the hazard warning indicators of both the vehicles to warn other road users.
- Limit the speed to 20-30kmph.
- In case of brake failure, use the parking brake to control the vehicle.
- Fasten the tow rope or tow bar at the towing eyes. Otherwise, the vehicle could be damaged.
- When towing, pull away slowly and smoothly. If the tractive power is too high, the vehicles could be damaged.

FUSES

Your vehicle has fuse boxes at three locations.

The vehicles electrical circuits have fuses to protect the wiring from short circuits or sustained overload.



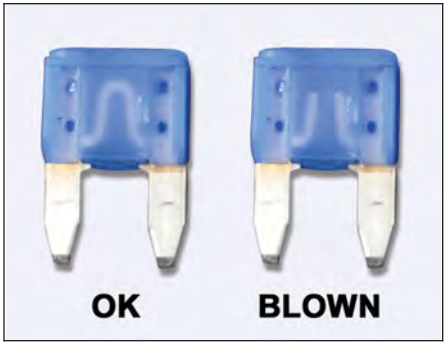
1. Battery mounted fuse box
2. Motor Compartment Fuse Box.
3. Cabin Compartment Fuse Box.

Checking And Replacing Fuses

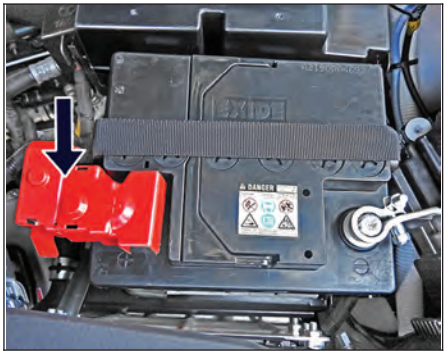
If any electrical unit in your vehicle is not functioning, check the fuses first.

Please follow the steps below that will guide you to check and replace them.

- Apply parking brake.
- Switch off all electrical accessories.
- Turn off the vehicle.
- In the fuse box, identify the defective fuse from its melted wire.
- Remove the blown fuse by “fuse puller”. The fuse puller and spare fuses are provided in the motor compartment fuse box.



Battery Mounted Fuse Box



Fuse No.	Function	Fuse Rating
F01	DC-DC converter	200A

ⓘ NOTE

The battery mounted fuse is not replaceable. If F01 fuse blows, the 12V battery +ve cable along with fuse has to be replaced.

⚠ WARNING

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with higher amperage, the electric cables could be overloaded. This could result in a fire. There is a risk of an accident and injury. Always replace faulty fuses with the specified new fuses having the correct amperage.

Motor Compartment Fuse Box

The motor compartment fuse box is located under the bonnet on the left hand side of the vehicle behind the 12V battery.

- Blown fuses must be replaced with fuses of same rating, which you can recognize by color and value.

ⓘ NOTE

Always ensure that the spare fuses are replenished.

- Ensure that all other fuses are pressed firmly in position.

If a newly inserted fuse also blows, have the cause traced and rectified at nearest TATA MOTORS Authorized EV Service Centre immediately.

Accident Disconnect Fuse

In case of an accident, to disconnect the high voltage battery from the rest of the high voltage electrical components, remove the cover of the fuse and pull out the accident disconnect fuse. The fuse can be identified with a yellow label.

⚠ WARNING

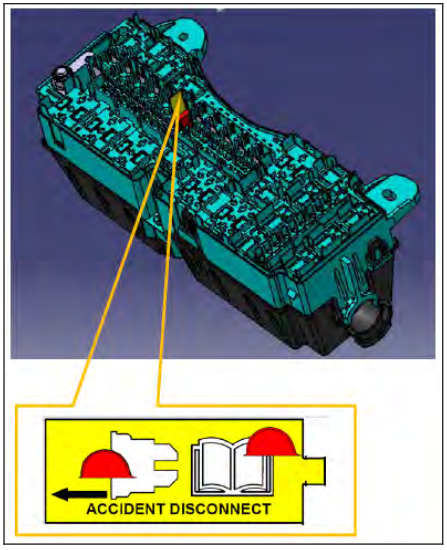
In case of Accident/Emergency/Crash, the rescuer or first emergency responder may be prone to Electric Hazard.

To avoid the Electric hazard, the Power supply to Battery Management System must be disconnected.

Follow the steps below to disconnect the power supply from the battery management system:

- Open the fuse box cover located under the bonnet behind the 12V battery without touching any other High Voltage Components.

- Remove the Accident Disconnect 10A fuse. The fuse puller and spare fuses are provided in the motor compartment fuse box
- The 10A fuse labelled in yellow color as shown in image.



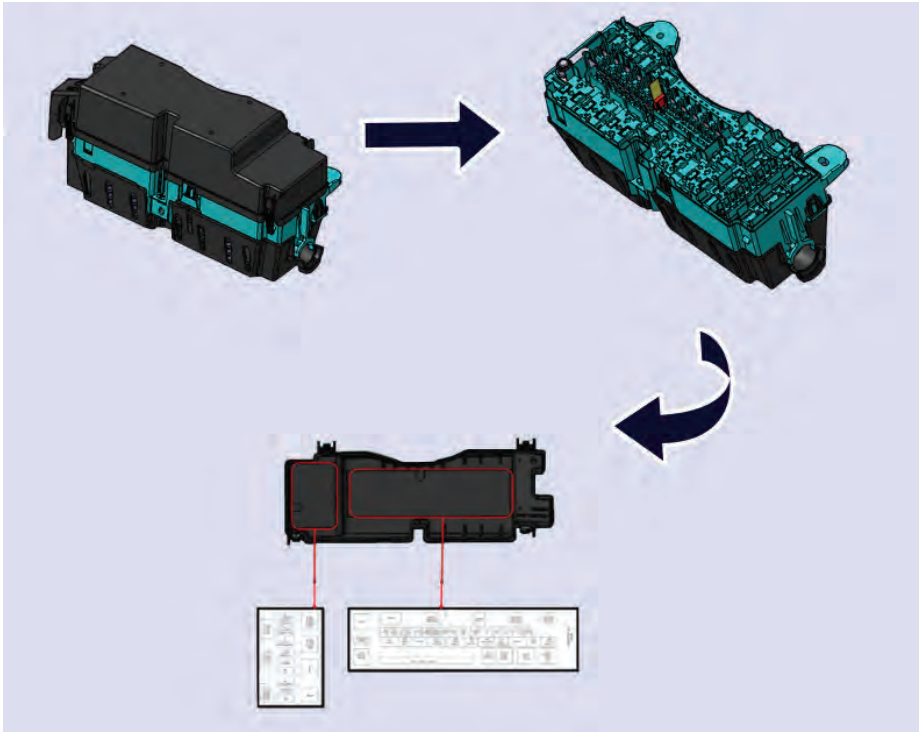
⚠ WARNING

If Fuse box cover is removed for any reason, it should be refitted properly at its original position.

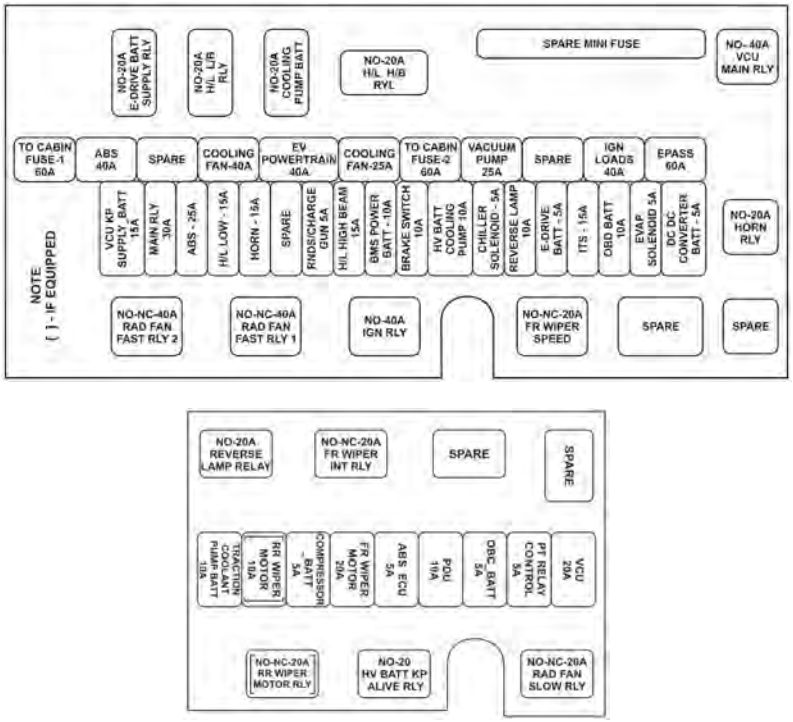
ⓘ NOTE

The fuse box layout is for reference purpose only. Please refer the sticker provided inside the fuse box cover.

Under Bonnet Fuse Box – Layout And Details



Under Bonnet Fuse Box – Layout And Details



Under Bonnet Fuse Details			
Fuse No.	**Value**	**Type**	**Description**
EF1	60A	SLOW BLOW	SUPPLY CABIN FUSE BOX-1
EF2	40A	SLOW BLOW	ABS ECU
EF3	-	SLOW BLOW	SPARE
EF4	40A	SLOW BLOW	COOLING FAN
EF5	40A	SLOW BLOW	EV POWERTRAIN
EF6	25A	SLOW BLOW	COOLING FAN
EF7	60A	SLOW BLOW	SUPPLY CABIN FUSE BOX-2
EF8	25A	SLOW BLOW	VACCUM PUMP
EF9	-	SLOW BLOW	SPARE
EF10	40A	SLOW BLOW	IGN LOADS
EF11	60A	SLOW BLOW	EPAS
EF12	15A	FAST BLOW	VCU KP SUPPLY_BATT
EF13	30A	FAST BLOW	MAIN RELAY
EF14	25A	FAST BLOW	ABS ECU
EF15	15A	FAST BLOW	HEAD LAMP LOW
EF16	15A	FAST BLOW	HORN
EF17	-	FAST BLOW	SAPRE
EF18	5A	FAST BLOW	RNDS SWITCH/CHARGING GUN
EF19	15A	FAST BLOW	HEAD LAMP HIGH BEAM
EF20	10A	FAST BLOW	BMS POWER _BATT

Under Bonnet Fuse Details			
Fuse No.	**Value**	**Type**	**Description**
EF21	10A	FAST BLOW	BRAKE SW
EF22	10A	FAST BLOW	HV BATTERY COOLING PUMP_BATT
EF23	5A	FAST BLOW	CHILLER SOENOID
EF24	10A	FAST BLOW	REVERSE LAMP
EF25	5A	FAST BLOW	E-DRIVE BATT
EF26	15A	FAST BLOW	ITS
EF27	10A	FAST BLOW	OBD_BATT
EF28	5A	FAST BLOW	EVAPORATOR SOLENOID
EF29	5A	FAST BLOW	DC-DC CONVERTER_BATT
EF38	20A	FAST BLOW	VCU
EF39	5A	FAST BLOW	PT RELAY CONTROL
EF40	5A	FAST BLOW	OBC_BATT
EF41	10A	FAST BLOW	PDU
EF42	5A	FAST BLOW	ABS ECU
EF43	20A	FAST BLOW	FRONT WIPER MOTOR
EF44	5A	FAST BLOW	COMPRESSOR _BATT
EF45	10A	FAST BLOW	REAR WIPER MOTOR
EF46	10A	FAST BLOW	TRACTION COOLANT PUMP_BATT

Under Bonnet - Relay Details			
Relay No.	**Rating (A)**	**Relay Type**	**Description**
R1	-	MINI	SPARE
R2	-	MICRO	SPARE
R3	20A	MICRO	HV BATT KP ALIVE RELAY
R4	40A	MINI	VCU MAIN RELAY
R5	20A	MICRO	COOLING FAN SLOW
R6	40A	MINI	COOLING FAN FAST1
R7	20A	MICRO	INT WIPE (ON/OFF)
R8	20A	MICRO	COOLING PUMP_BATT
R9	-	MINI	SPARE
R10	40A	MINI	COOLING FAN FAST2
R11	-	MICRO	SPARE
R12	20A	MICRO	E-DRIVE BATTERY SUPPLY RLY
R13	20A	MICRO	HEAD LAMP LOW BEAM
R14	20A	MICRO	HEAD LAMP HIGH BEAM
R15	20A	MICRO	REAR WIPER MOTOR
R16	20A	MICRO	HORN
R17	40A	MINI	IGNITION
R18	20A	MICRO	FRONT WIPER MOTOR SPEED
R19	20A	MICRO	REVERSE LAMP RELAY

Under Bonnet Low Voltage Service Disconnect

Isolation of high voltage components through low voltage Service Disconnect in case of emergencies

A low voltage Service Disconnect connector is provided under the bonnet of the vehicle. If it is disconnected, the low voltage Service Disconnect cuts off the High Voltage Interlock circuits.

- The low voltage Service Disconnect is located beside the fuse box, near the vacuum pump relay.
- It is labeled with yellow color flag as per below image.

Without touching any other high voltage components, Disengage the Low voltage “Service Disconnect”, in case of emergencies.

⚠ WARNING

During any kind of servicing of the vehicle, the Technician/Service operator can be prone to Electric Hazard.
To avoid such electric hazard, the high voltage system should be disconnected by removing the MSD before service the vehicle.

ⓘ NOTE

Remove Service Disconnect only in case of an emergency and keep it safe to start the vehicle again. Avoid contaminating Service Disconnect.

Cabin Compartment Fuse Box

Cover Removal Procedure

Fuse box is located inside the cover below steering column. To access the fuse box, remove cover as per procedure given below.

1. Fuse box cover is mounted on dash board with the help of lugs at the top and bottom of the cover from inside.

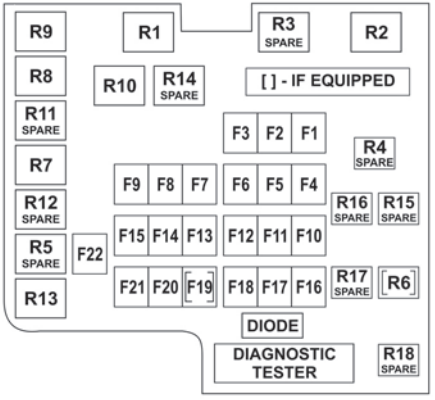
2. To remove the cover, gently pull the cover from bottom side such that the lugs get disengaged.

Re-fitment Procedure

Align and engage the top and bottom mounting lugs with respective slots on dash board and press the cover firmly.

Fuses - Cabin Compartment

Cabin Fuse Box - Cockpit Harness Fuse Details – 1



Cabin Compartment Fuse Box Details			
Fuse No	**Value**	**Type**	**Description**
F1	20A	FAST BLOW	BCM # 1
F2	15A	FAST BLOW	ACC/OBD BATT
F3	15A	FAST BLOW	REAR POWER SOCKET
F4	20A	FAST BLOW	BCM # 2
F5	20A	FAST BLOW	BCM # 3
F6	30A	FAST BLOW	BLOWER
F7	5A	FAST BLOW	MIRROR ADJUST MOTORS
F8	15A	FAST BLOW	POWER SOCKET 1
F9	20A	FAST BLOW	SUNROOF
F10	5A	FAST BLOW	RESTRAINTS CONTROL MODULE
F11	5A	FAST BLOW	EPAS
F12	10A	FAST BLOW	IGNITION
F13	10A	FAST BLOW	PEPS
F14	15A	FAST BLOW	CDL ACTUATOR
F15	5A	FAST BLOW	CLUSTER
F16	10A	FAST BLOW	TAILGATE RELEASE MOTOR
F17	5A	FAST BLOW	PDC IGN/RPAS
F18	10A	FAST BLOW	HVAC
F19	25A	FAST BLOW	HEATED REAR SCREEN
F20	5A	FAST BLOW	PEPS ECU

Cabin Compartment Fuse Box Details			
Fuse No	**Value**	**Type**	**Description**
F21	5A	FAST BLOW	TELEMATIC
F22	20A	FAST BLOW	TRANSIT/INFOTAINMENT

Cabin Compartment Fuse Box Relay Details			
Relay No.	**Rating (A)**	**Relay Type**	**Load Passed (A)**
R1	40A	MINI N/O	ACC RELAY
R2	40A	MINI N/O	BLOWER
R3		MINI	SPARE
R4		MINI	SPARE
R5		MICRO N/O	SPARE
R6	20A	MICRO N/O	HEATED REAR WINDOW
R7	20A	MICRO C/O	CDL LOCK
R8	20A	MICRO C/O	CDL UNLOCK
R9	20A	MICRO N/O	TAILGATE RELEASE MOTOR
R10	20A	MICRO N/O	IGNITION RELAY
R11		MICRO	SPARE
R12		MICRO	SPARE
R13	20A	MICRO N/O	WW SIGNAL INVERSION RELAY
R14		MICRO	SPARE
R15		MICRO	SPARE
R16		MICRO	SPARE

Cabin Compartment Fuse Box Relay Details			
Relay No.	**Rating (A)**	**Relay Type**	**Load Passed (A)**
R17		MICRO	SPARE
R18		MICRO	SPARE

If An Accident Occurs…

- If your vehicle is drivable, park your vehicle off the road; rotate the gear selector knob to “N” and apply the parking brake.
- If not drivable do not try to start the vehicle. Rotate the gear selector knob to N and apply the parking brake.
- Roll down the windows and open the door locks if possible. If the ‘Ready’ message does not come in the instrument cluster, do not try to switch ON the supply by pressing the Start/Stop button.
- If there is no electrical supply, at-least try to unlock single door manually.
- If the vehicle ‘Ready’ message flashes in the instrument cluster, press the Start/Stop button to turn off the supply, and ensure ‘Ready’ message goes off to verify the high-voltage system is disconnected.
- De-latch the bonnet from inside the cabin by pulling the lever to open it.
- If the lever is not reachable, do not spend time to de-latch the bonnet.
- Come out of the vehicle and move the smart key at least 2 meters away from the vehicle to avoid any accidental restart or activation of high voltage systems.
- Try to evacuate the occupants from inside of the vehicle.
- Secure vehicle by barricading it, without touching the vehicle.
- Inform the TATA Motors On-Road-Assistance immediately.
- Do not touch the vehicle. Keep a safe distance.

⚠ WARNING

- Do not touch electric wires that may become exposed from inside or outside the vehicle, high voltage electric wires (orange), connectors and any exposed electric components and devices. Doing so may result in electric shock and lead to injuries or even death.
- If you observe any coolant leaks and rupture in refrigerant lines, do not drive the vehicle and contact TATA Motors On-Road Assistance.
- If the vehicle switches off after an accident, come out of the vehicle immediately without touching any metal parts.
- Leaks or damage to the Li-ion battery may result in a fire. If you dis

cover them, contact emergency services immediately. Never touch the fluid leaked inside or outside the vehicle. If the fluid contacts with your skin or eyes, wash it off immediately with a large amount of water or saline solution and receive immediate medical attention to help avoid serious injury.

- If water enters inside the vehicle: If your vehicle is flooded or if water has soaked the carpets, you should not try to start the vehicle. Never touch the high voltage cables, connectors and package modules, because an electric shock may occur causing injury or death. (High voltage components are orange in colour)
- If a submersion in water occurs: Do not touch your vehicle, if the vehicle has been submerged in water. The high voltage battery may cause shock or may catch fire. Immediately contact the authorities and advise them of the condition of your vehicle and that an electric vehicle is involved.

If a small scale fire occurs, use a fire extinguisher (C, ABC, BC) that is meant for electrical fires. If it is impossible to extinguish the fire in the early stage, remain a safe distance from the vehicle and immediately call the authorities. Also, advise them that an electric vehicle is involved.

When approaching a high voltage vehicle in a situation of fire, rescue or recovery, follow the standard rule:

- Always assume the high-voltage system is live in the vehicle.
- Only High Voltage System trained personnel with necessary high voltage PPEs (hand gloves, electrical safety shoes, etc.,) should access and analyse the EV after all occupants are safely evacuated.

Emergency Shut Off System

When vehicle detects any fault in HV system, it activates the emergency shut off for safety purpose. Even if the gear knob is in Drive mode, the system may shut-off suddenly. In this case, contact the nearest Tata Motors authorised EV dealer to rectify the issue.

In Case Of Emergency

If The EV Stalls At A Crossroad Or Crossing

If the vehicle stalls at a crossroad or crossing, rotate the rotary knob to N (Neutral) position and then push the vehicle to a safe place.

If The Vehicle Stalls While Driving

- Reduce your speed gradually, keeping a straight line. Move cautiously off the road to a safe place.
- Turn on the hazard lamps.
- Try to start the vehicle again. If your vehicle will not start, contact an authorized Tata Motors EV dealer or seek other qualified assistance.

- Since this vehicle runs on electric power, it generates little sound. Be aware of your driving environment and drive safely.
- After you park the vehicle or while you are waiting at a traffic light, check whether there are kids or obstacles around the vehicle.
- Check if there is something behind the vehicle when driving in reverse. Pedestrians may not hear the sound of the vehicle.

24 X 7 ROAD ASSISTANCE

Dear Customer,

It is our responsibility and our endeavour to ensure that you have our complete service backup if ever, wherever and whenever you need the same. When you have a road network that spans wide area, the probability of a breakdown happening within hailing distance of a TATA MOTORS Authorized EV Workshop is very low.

It is precisely for this reason, we have tied up with TVS AA, who will provide breakdown assistance including towing to the nearest TATA MOTORS Authorized EV Workshop through their Authorized Service Providers (ASP).

The 24X7 On Road Assistance Program shall be automatically available to your vehicle for the duration of Warranty period. The program shall also be available, if you avail the same post warranty.

Response Time ** For The On Road Assistance Program

Within City Limits	**60 minutes**
On State or National Highways	**90 minutes**
Ghat Roads and other places	**120 minutes +/-**

** (The response time will depend on the location, terrain, traffic density and the time of the day.)

Standard Procedure When Calling For On Road Assistance In Case Of A Breakdown

- Dial the toll free help line number – 1800 209 8282
- Identify your vehicle with the Vehicle chassis number that is available in the Owner's Manual.
- Explain your exact location with landmarks and tell us about the problem you face with the vehicle.
- Park your vehicle on the edge of the road, open the bonnet and put on the hazard warning signal.

- Place the advance warning triangle supplied with the vehicle approx. 3 m from the vehicle in the direction of oncoming traffic.

Coverage Under 24 X 7 On Road Assistance Program

- I. The 24x7 On Road Assistance Program Service covers the following services on your vehicle during warranty period.
- Wheel change through spare wheel.
- Re-opening the vehicle in cases of key lock out.
- Rectification of electrical problems related to Auxiliary battery, fuses etc.
- On spot repairs for complaints repairable at site. ^
- Vehicle to vehicle towing or winching & towing for non-accident cases up to the nearest TATA MOTORS authorized EV workshop. Towing charges at actual cost beyond the same to be paid to the ASP in cash. (Any ferry or toll charges levied in relation to the vehicle being towed to be paid by the customers in actuals in cash).
- Accidental towing will be available only after completing all legal formalities. This includes only towing facility. All other charges to be borne by customer
- If required cab service can be provided on free of charge basis upto a distance of 50 KMs. Beyond that the amount has to be paid directly by the customer.
- II. The 24x7 On Road Assistance Program coverage on availing the 24X7 policy, post warranty is upto maximum of 6 instance of assistance in one year for both the plans- Basic and Premium. In the premium plan, this includes 2 instances of towing upto the nearest TATA MOTORS authorised EV workshop.
- Exclusions
- 24 X 7 On Road Assistance Program does not apply to
- Cost of parts, consumables and labour for such repairs not covered under warranty*. These charges are to be settled with ASP in cash.
- Toll or ferry charges paid by ASP in reaching to the breakdown site to be settled with ASP in actuals in cash.
- Cases involving fire, theft, vandal-ism,

riots, lightening, earthquake, windstorm, hail, tsunami, weather conditions, other acts of God, flood, etc.

- Vehicles that are unattended, un-registered, impounded or abandoned.
- Breakdown/defects caused by misuse, abuse, negligence, alterations or modifications made to the vehicle
- Lack of maintenance as per the maintenance schedule as detailed in the owner's manual.
- Cases involving racing, rallies, vehicle testing or practice for such events.

Disclaimer

- The Service is not available in Lakshadweep.
- **The reach time is indicative & the actual reach time will be conveyed by the call centre at the time of breakdown call.
- The reach time can vary depending on the traffic density & time of the day.
- The reach time indicated does not account for delays due to but not limited to acts of God, laws, rules & regulations for time being in force, orders of statutory or Govt. authorities, industrial disputes, inclement weather, heavy down pour, floods, storms, natural calamities, road blocks due to accidents, general strife and law & order conditions viz. fire, arson, riots, strikes, terrorist attacks, war etc.
- ^ On spot repairs at breakdown site shall depend on nature of complaints & will be as per the discretion of the ASP.
- *The decision for free of charge repairs will be as per the warranty policy & procedures of TATA MOTORS LIMITED and as per the interpretation of the same by ASP. You will be duly informed by the ASP & call centre for the change applicable if any.
- All charges wherever applicable need to be settled directly with the ASP.
- Exclusion of Liabilities
- It is understood that TATA MOTORS shall be under no liability whatsoever in respect of any loss or dam-age arising directly or indirectly out of any delay in or non-delivery of, defect/deficiency in service/parts provided by ASP.
- In case vehicle cannot be repaired on-site, customers are advised to use the towing facility for taking their vehicle to the nearest TATA MOTORS authorized EV workshop only. In no condition will the vehicle be towed to any unauthorized workshop. TATA MOTORS will not be responsible for any repairs carried out in such unauthorized workshop.
- Customer are advised to take acknowledgment from the ASP for the list of accessories/extra fittings and other belongings in the vehicle as well as the current condition related to dents/scratches breakages of parts/fitments of the vehicle at the time of ASP taking possession of the vehicle & to verify these items when delivery is taken back by them, Claim for loss of or damage to items, if any should be taken up with ASP directly. TATA MOTORS shall not be responsible for any

such claims, damages/loss or any deficiency of service of the ASP.

- Vehicles will be handled, repaired & towed as per the customer's risk & TATA MOTORS shall not be liable for any damages / claims as a result of the same.
- Services entitled to the customers can be refused or cancelled on ac-count of abusive behavior, fraudulent representation, malicious intent and refusal to pay the charges for any charges related services and spare parts during service or on previous occasion on part of the customer.
- On site repairs may be temporary in nature. The completion of repairs does not certify the road worthiness of the vehicle. The customer is advised to ensure temporary re-pairs carried out onsite is followed by permanent repairs at a TATA MOTORS Authorized EV Workshop at the earliest. Terms and conditions and service coverage, exclusions etc. are subject to change without notice.

MAINTENANCE AND SERVICE

Periodic maintenance is essential for ensuring long trouble free performance of your EV.

Have your vehicle serviced as per the schedule from your nearest TATA MOTORS Authorized EV Service Centre.

There is a large network of TATA MOTORS Authorized EV Service Centre to help you with their professional servicing expertise. Scheduled maintenance information is provided which makes tracking routine service easy.

The following checks can be carried out between the recommended scheduled maintenance services. Take help of our authorized EV service centre for assistance.

- Brake fluid level
- Traction Control System (TCS) coolant level
- Washer fluid level checking & top-ping up
- Battery electrolyte level
- Tyre inflation pressure including spare wheel.

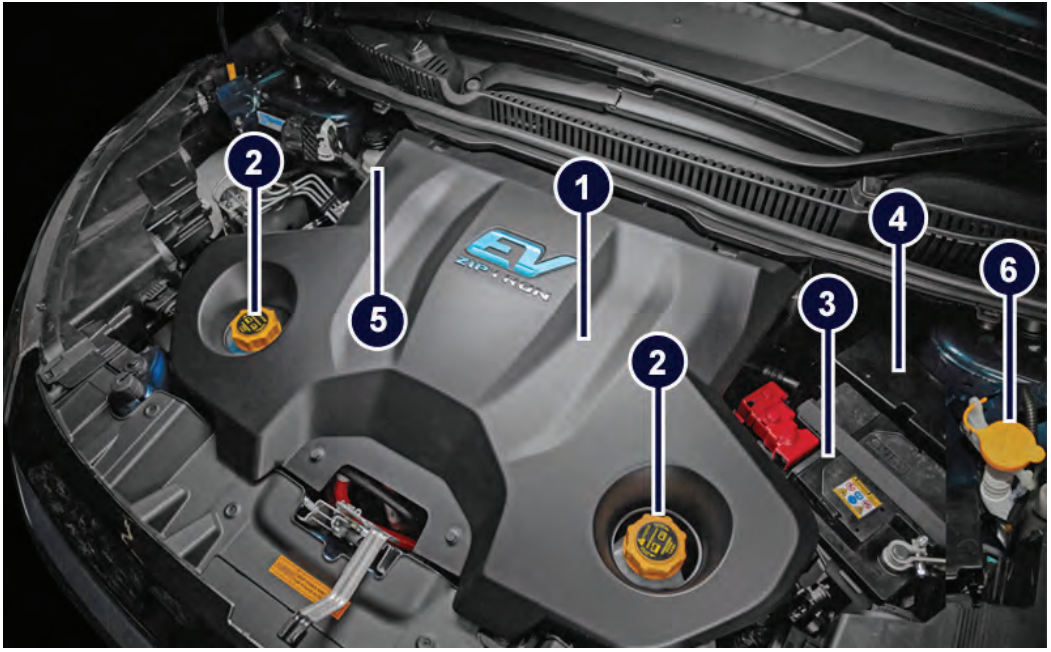
ⓘ NOTE

Refer “Opening and Closing” section for bonnet opening.

⚠ WARNING

- Keep all open flames and other burning material (such as cigarettes) away from the battery.

MOTOR COMPARTMENT



1. High voltage components
2. Coolant tank
3. Low voltage battery
4. Motor Compartment Fusebox
5. Brake fluid reservoir
6. Windshield washer container

Monthly And Yearly Checks

Do These Checks At Least Once A Month

- Do a check of the coolant level in the coolant reservoir.
- Do a check of the operation of all exterior lights, including the stop-lights, turn signals and hazard warning flashers.
- Do a check of the inflation pressures of all tires including the spare.

At Least Twice A Year

- Examine the heater and air conditioning hoses for leaks or damage.
- Examine the windshield washer spray and wiper operation. Clean the wiper blades with clean cloth dampened with washer fluid.
- Do a check of the headlight alignment.
- Do a check of the clamps.
- Do a check of the lap/shoulder belts for wear and function.
- Examine for worn tires and loose wheel lug nuts.

Do These Checks At Least Once A Year

- Clean the body and door drain holes.
- Lubricate the door hinges and checks, and hood hinges.
- Lubricate the door and hood locks and latches.
- Lubricate the door rubber weatherstrips.
- Do a check of the air conditioning system.
- Clean the battery and terminals.
- Do a check of the brake fluid level.

Cooling System

Do a check of the cooling system components like the radiator, coolant reservoir, hoses and connections, coolant three-way valve, chiller for leakage and other damage. Replace any damaged parts.

Coolant

The coolant should be changed at the intervals specified in the maintenance schedule.

Brake Hoses And Lines

Visually check for proper installation, chafing, cracks, deterioration and any leakage. Replace any deteriorated or damaged parts immediately.

Replacing The Components Of Your EV

Since the electrical components of Nexon EV are not user serviceable, it is recommended that you approach your nearest Tata Motors authorised EV service centre to replace any electrical components of the car.

Radiator Maintenance

Maintaining radiator and fan motor shroud (FMS) is important for keeping your EV in good working condition as they’re essential part of thermal management system (TMS). Routine maintenance of radiator and FMS safeguards EV powertrain components from overheating on your commute and also ensures the durability of these components.

- Visually inspect the radiator and FMS. Make sure the radiator and FMS are

dust free to prevent particle buildup and clogging.

- Look for corrosion or breaks in the radiator cores, find cracked hoses and rusted clamps, check for any damage on side tanks, de-aeration port, coolant inlet and outlet ports and also watch for drip stains underneath the car.
- Always make sure that the coolant is topped up. Having to top up the coolant more than a couple times per year means that you probably have a leak and should have your radiator professionally inspected. This is extremely important to your radiator parts maintenance and to keep it good and running.
- Keep an eye on the motor temperature (if shown in instrument cluster). If you notice the temperature raising more than it usually does, that probably means that your vehicle's radiator isn't performing at top efficiency and needs radiator parts maintenance.
- Make sure the coolant is always present in reservoir (always above min level). Use only recommended coolant as specified in the lubricants section.
- Have your radiator flushed and filled on an annual basis to get rid of degradation and wearing down of radiator.

Instruction For Cleaning The Charging Port

- Keep the charge lid always closed.
- When the lid is open ensure that dust caps are in closed position.
- Ensure that drain outlet is not blocked.
- During Normal Charging make sure that DC dust cap is closed.
- In case of dust / mud accumulation in charging port, it can be cleaned with spraying clean water.
- In case of snow accumulation in charging port, it can be cleaned with spraying clean lukewarm water.
- Allow the water to drain completely through drain holes.
- Allow the charging port to dry completely.

ⓘ NOTE

Water entering into the charging port will always be drained through the drain system.

Brake Fluid Level

The level of the brake fluid should be between the 'MIN' and 'MAX' marks provided on the side of the brake fluid container. If the level falls below the 'MIN' mark, add recommended brake fluid.

ⓘ NOTE

Do not allow brake fluid to make contact with the skin or eyes.
Do not allow brake fluid to splash or spill on the paint surface as it will damage the paint. In case of spillage, wipe it off immediately.

For location of Brake Fluid Container and filling cap, please refer respective Motor Compartment.

Windshield Washer Fluid Level

Check that there is washer fluid in the tank. Refill it if necessary. Use a good quality windshield washer fluid, diluted with water as necessary.

ⓘ NOTE

Do not use detergent or any other additive in the windshield washer reservoir. This can severely impair visibility when sprayed on the windshield, and can also damage your vehicle's paint.

For location of Windshield Washer Container and filling cap, please refer respective Motor Compartment.

12V BATTERY

- Check the battery for electrolyte level against the marking on the battery outer case.
- Check the battery terminals for corrosion (a white or yellowish powder). To remove it, wash the terminals with a solution of baking soda. It will bubble up and turn brown.
- When this stops, wash it off with plain water. Dry off the battery with a cloth or paper towel.
- Coat the terminals with petroleum jelly to prevent future corrosion.
- Use a proper wrench to loosen and remove cables from the terminals.
- Always disconnect the negative (-ve) cable first and reconnect it last.
- Clean the battery terminals with a terminal cleaning tool or wire brush.
- Reconnect and tighten the cables, coat the terminals with petroleum jelly.
- Make sure that the battery is securely mounted.

- If you need to connect the battery to a charger, disconnect both cables to prevent damage to the vehicle's electrical system.

For location of battery, please refer respective Motor Compartment.

ⓘ NOTE

- *During normal operation, the battery generates gas which is explosive in nature. A spark or open flame can cause the battery to explode causing very serious injuries.*
- *Keep all sparks, open flames and smoking materials away from the battery.*
- *The battery contains sulphuric acid (electrolyte) which is poisonous and highly corrosive in nature. Getting electrolyte in your eyes or on the skin can cause severe burns. Wear protective clothing and a face shield or have a skilled technician to do the battery maintenance.*

Reduction Gear Fluid

To check or add reduction gear fluid, it is recommended that you visit a Tata Motors authorised EV service centre for the same.

⚠ CAUTION

- Use only ATF recommended by Tata Motors. Do not mix with other fluids.
- Using reduction gear fluid other than recommended ATF will cause deterioration in drivability and reduction gear durability, and may damage the reduction gear, which is not covered by the warranty.

High-pressure Washing

High pressure washing is not allowed in the motor bay and on the battery connectors.

- When using high-pressure washers, make sure to maintain sufficient distance from the vehicle. Insufficient clearance or excessive pressure can lead to component damage or water penetration.
- Do not spray the camera, sensors or its surrounding area directly with a high pressure washer. Shock from high pressure water may cause the device to not operate normally.
- Do not bring the nozzle tip close to boots (rubber or plastic covers) or connectors as they may be dam-aged if they come into contact with high pressure water.

⚠ CAUTION

Water washing, including high pressure water washing in the motor bay can cause the failure of electrical circuits located in the motor compartment.

- Never allow water or other liquids to come in contact with electrical/electronic components inside the vehicle as this may damage them.

12-volt Battery

- Keep the 12-volt battery surface clean and dry. Clean the 12-volt battery with a solution of baking soda and water.
- Make certain the terminal connections are clean and securely tightened.

Fuses And Replacing Fuses

Do not remove or replace any fuses or contactors at home or nearby non-TATA Motors EV service centre. Please contact authorized TATA Motors EV service centre and only allow TATA Motors authorized EV service personnel to repair or replace.

TYRES

1	Under inflation	Excessive side tread wear
2	Correct tyre pressure	Uniform wear
3	Over inflation	Excessive center tread wear

Inflation

Check for inflation and condition of your vehicle tyres periodically.

Check the pressure in the tyres when they are cold.

Keeping the tyres properly inflated gives you the best combination of riding comfort, handling, tyre life and better range.

Over inflation of tyres makes the vehicle ride bumpy and harsh. Tyres are more prone to uneven wear and damage from road hazards.

Under inflated tyres reduce your comfort in vehicle handling and are prone to failures due to high temperature. They also cause uneven wear and reduce range of EV.

ⓘ NOTE

Every time you check inflation pressure, you should also examine tyres for uneven wear, damage and trapping of foreign objects in the treads and wear.

Recommended Tyre Pressures

Tyre Size	Front	Rear	Spare
215/60 R16	32 psi / 2.20 bar	32 psi / 2.20 bar	32 psi / 2.20 bar
195/60 R16 (if applicable)	×	×	32 psi / 2.20bar

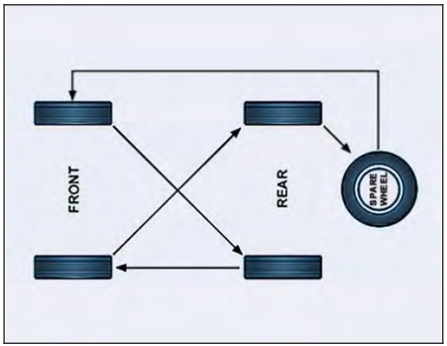
Tyre Pressure Sticker Location

Tyre Rotation

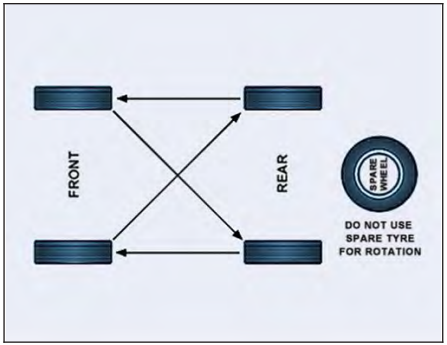
To help increase tyre life and distribute rotated at specified intervals or earlier depending on the operation of vehicle.

The illustrations shows how to rotate tyres when normal or temporary spare wheel is fitted.

When Spare Wheel Is Same As Vehicle Wheels



When Spare Is Different From Vehicle Wheels



Wheel Balancing

Wheels of your vehicle are balanced for better ride comfort and longer tyre life. Balancing needs to be done whenever tyre is removed from rim.

⚠ WARNING

If the vehicle vibrates abnormally on a smooth road, have the wheel balanced done immediately.

Special Care For Tubeless Tyres

- While removing tyre from wheel rim and mounting it back on wheel rim, take precautions not to damage tyre bead. Use tyre removal and assembly machines. Damage or cut on tyre bead may cause gradual loss of air and deflation of tyre.
- Do not scratch inside of tubeless tyre with metallic or sharp object. Tubeless tyres are coated with impermeable layer of rubber from in-side which holds the air inside the tyre. Removal of this layer due to scratching may cause gradual loss of air and deflation.
- If wheel rim gets damaged in service, get the wheel rim repaired/ replaced immediately. Running the vehicle with damaged rim may cause deflation of tyre and subsequent dislodging of tyre from rim.
- Maintain recommended inflation pressure. Over-inflation, in particular, may cause puncture or bursting of tyre.

ⓘ NOTE

Life and wear pattern of tyres depends on various parameters like tyre pressure, wheel alignment, wheel balancing, tyre rotation, etc. It also largely depends on vehicle speed, load carried, usage, driving habits, road conditions, tyre quality, etc. In case fault is suspected to be due to poor quality of tyres, the same may be taken up with concerned tyre manufacturer.

SMART KEY BATTERY REPLACEMENT (For PEPS variant)

Procedure

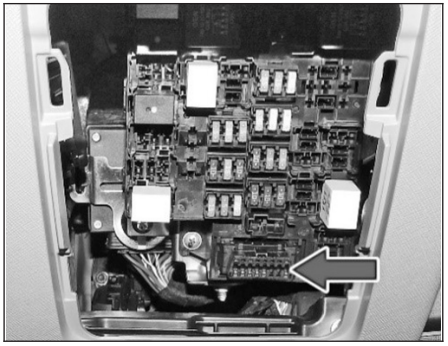
1. Open rear side of key (battery cover).

2. Replace with new battery in the smart key battery slot.
3. Close the battery cover.
4. Ensure that the key cover is intact properly.

ON BOARD DIAGNOSTIC SYSTEM

The OBD system also has a diagnostic connector that can be interfaced with appropriate diagnostic tools, which makes it possible to read the fault codes stored in the Electronic Control Unit, together with a series of specific parameters for Motor operation and Diagnosis. This check can also be carried out by the traffic police.

To access the diagnostic connector, open the cockpit fuse box cover, which is located on RH side below the steering wheel. Refer ‘Emergency and Breakdown Assistance’ section for removal of cover.



SERVICE INSTRUCTIONS

The **TATA NEXON EV** has been manufactured to give you economical and trouble free performance. To achieve this, please follow the instructions as stated.

Your vehicle is entitled to three free services (labour only). The free service coupons are attached to the sales invoice. Please present these coupons to the EV servicing dealer while availing free services.

1st free service - At 1,000-2,000km. OR 2 months, whichever is earlier.

2nd free service - At 7,000-8,000km. OR 6 months, whichever is earlier.

3rd free service - At 14,500-15,500km. OR 12 months, whichever is earlier.

All services other than free services are chargeable.

Servicing of the vehicle can be done at any TATA MOTORS Authorised EV Dealer Workshop or TATA MOTORS Authorised EV Service Centre (TASC).

Warranty claims can be settled by any TATA MOTORS Authorised EV Dealer Workshop or TATA MOTORS Authorised EV Service Centre (TASC).

SERVICE SCHEDULE

 # - Km or Months whichever occurs earlier

*** Check and adjust wheel alignment after every 5000km if usage is severe**

Sr. No.	Operation	Km	Pdi	1.5k	7.5k	15k	22.5k	30k	37.5k	45k	52.5k	60k	67.5k	75k	82.5k	90k	97.5k	105k	112.5k	120k	127.5k	135k	142.5k	150k
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	General																							
1	Wash the vehicle & Clean Condenser Fins	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2	Check & Top up Fluids (If required): Transaxle Oil, Coolant, Brake Fluid, Battery Electrolyte, Wind Screen washer fluid.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3	Check HV Battery box under the vehicle	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	Check all the HV cables for looseness, cuts, wear & tear	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Inspect cooling systems (Battery cooling system (BCS) and Traction cooling system (TCS))	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Sr. No.	Operation	Km	Pdi	1.5k	7.5k	15k	22.5k	30k	37.5k	45k	52.5k	60k	67.5k	75k	82.5k	90k	97.5k	105k	112.5k	120k	127.5k	135k	142.5k	150k
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
6	Change coolant (Battery cooling system (BCS) and Traction cooling system (TCS))	# 60K/36 M										•								•				
7	Check and Capture all DTC's Clear all faults and Erase the Codes.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	Check Rubber Boots, Rubber seat, Dust cover & Bushes for damage & replace if required (Suspension), front and rear coil spring seats , front and rear bump stoppers and dampers, anti-roll bar, rear twist beam, bellow in rack and pinion, ball joints, steering column. Replace if necessary. (First at 15K/12M then at every service)	7.5K / 6M				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Sr. No.	Operation	Km	Pdi	1.5k	7.5k	15k	22.5k	30k	37.5k	45k	52.5k	60k	67.5k	75k	82.5k	90k	97.5k	105k	112.5k	120k	127.5k	135k	142.5k	150k
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
9	Check & Replace if found damaged- Suspension bushes	30K/24 M						●				●				●				●				●
10	All door latch & striker operations , Adjust If required	15K/12 M				●		●		●		●		●		●		●		●		●		●
11	Check for all bolts & nuts (Tighten)	7.5K / 6M			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Brakes																							
12	Check front brake pads & rear brake linings. Replace if necessary	15K / 12M				●		●		●		●		●		●		●		●		●		●
13	Replace brake fluid Check brake system components for Leakages	# 45K / 24M								●						●						●		
14	Inspect & if necessary adjust handbrake setting	15K / 12M				●		●		●		●		●		●		●		●		●		●
	Wheels & Tyres																							
15	Check & Adjust Wheel alignment*	# 15K / 12M				●		●		●		●		●		●		●		●		●		●

Sr. No.	Operation	Km	Pdi	1.5k	7.5k	15k	22.5k	30k	37.5k	45k	52.5k	60k	67.5k	75k	82.5k	90k	97.5k	105k	112.5k	120k	127.5k	135k	142.5k	150k
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
16	Check for Tyre pressure, condition & rotate	# 7.5K / 12M			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Transaxle																							
17	Replace Transaxle oil -First Oil change at 7500km or six months & subsequently after 2 years or every 30000km, whichever comes first	30K/ 24 months			●			●				●				●				●				●
	Electrical																							
18	Check specific gravity of battery electrolyte	7.5K / 6M			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
19	Check headlamp focussing	15K / 12M				●		●		●		●		●		●		●		●		●		●
	A.C. System																							
20	Check Air-conditioning / FATC System for satisfactory performance	Every service	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
21	Replace AC filter	15K/12 M				●		●		●		●		●		●		●		●		●		●

VEHICLE PARKING FOR LONG DURATION (Non - Use Maintenance)

If you want to park your vehicle at one place for long duration, following care is to be taken:

1. Park the vehicle in a covered, dry and if possible, well-ventilated premises.
2. Remove the 12V battery terminal cables (first remove the cable from the negative terminal). Ensure that 12V battery is fully charged.
3. Block the wheel or engage in the gear mode.
4. Clean and protect the painted parts using protective wax.
5. Clean and protect the shiny metal parts using commercially available special compounds.
6. Sprinkle talcum powder on the rubber windscreen wiper and lift them off the glass.
7. Slightly open the windows.
8. Cover the vehicle with a cloth or perforated plastic sheet. Do not use sheets of imperforated plastic as they do not allow moisture on the vehicle body to evaporate.
9. Inflate the tyres to 0.5 bar above the normal specified pressure and check it at regular intervals.
10. Check the HV battery charge every six weeks.
11. The HV battery undergoes discharge at a rate of approximately 2% over a period of 30 days in storage. Do not allow the vehicle to be discharged to 0% in storage. It is recommended that the vehicle must be charged to a charge level in between 30% to 50% before leaving the vehicle for long time storage. After this time period the vehicle must be charged to 100% using Normal Charging or AC charging before use. This will keep the battery to full charge while also keeping the auxiliary power systems ready to use.
12. Do not drain the coolant in motor cooling system.

LUBRICANT SPECIFICATION

Use following genuine fluids, coolants and lubricants recommended for optimum performance of your vehicle.

Item	Specification	Company	Brand	Qty.
Battery cooling system - Coolant (Pre-mixed) (Antifreeze agent +Soft water40:60 ratio)	Class II/JIS K2234 TATA SS7700S1	SUNSTAR CCI	Golden Cruiser LLC 2200NP	3.6 litres
		IOCL	TATA MOTORS GENUINE COOLANT KOOL PLUS	
Traction cooling system - Coolant (Pre-mixed) (Antifreeze agent +Soft water40:60 ratio)	Class II/JIS K2234 TATA SS7700S1	SUNSTAR CCI	Golden Cruiser LLC 2200NP	3.5 litres
		IOCL	TATA MOTORS GENUINE COOLANT KOOL PLUS	
Transaxle Oil	BOT 130M SAE75W90	Castrol	Synthetic Manual Transmission Oil	1.3 Litres
Brake Fluid	SAE J 1703, DOT 4	PETRONAS	PETRONAS TATA MOTORS Genuine Brake Oil DOT 4S	As required
		Sunstar CCI	Golden Cruiser Tata Genuine Brake Fluid (DOT4)	
		CASTROL	Optional - CASTROL – Universal Brake Fluid DOT 4	
AC compressor oil	POE RL68	Emkarate	Emkarate	120ml
Refrigerant	R-134a	-		580gm

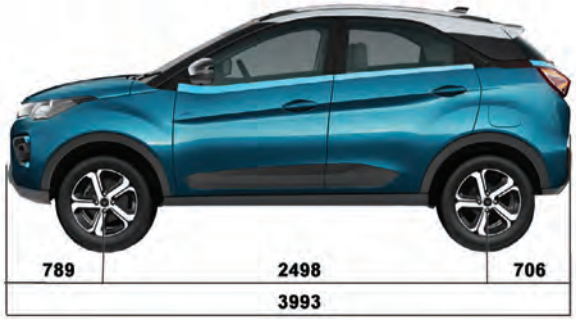
TECHNICAL SPECIFICATIONS

Parameter	Nexon EV
Powertrain	
Battery	30.2kWh Li-ion
Electric motor	Permanent magnet, synchronous motor
Nominal voltage	320V DC
Maximum power, kW	100
Maximum torque, Nm	245
Transaxle	
Model and Type	Electric Vehicle Transaxle
No. Of gears	Single speed, 1-Reverse
Steering	
Type	Column Mounted Electric Power Assisted Steering System
Brakes	
Brakes	Front (Disc); Rear (Drum)
Parking brake	Cable operated Mechanical brake on rear wheels
Suspension	
Front	MacPherson struts
Rear	Gas charged rear shock absorbers
Wheels & tyre	
Tyres	Option I: 195/60 R16 (Radial -Tubeless) Option II: 215/60 R16 (Radial -Tubeless)

Parameter	Nexon EV
Wheel rims	Option I: 6J x 16 steel wheel Option II: 6.5J x 16 alloy wheel
Cab / body	
Type	Monocoque
Electrical system	
System voltage	12 Volts
Auxiliary battery	12V DIN 40 Ah
Main chassis dimension (in mm)	
Wheel base, mm	2498
Track front, mm	1540
Track rear, mm	1530
Overall length, mm	3993
Overall height, mm	1614 (unladen)
Max. Width, mm	1811
Ground clearance, mm	160
Performance	
Max. Speed	120kmph
Max. Recommended gradability	28%
Minimum Turning Circle Dia. in meter as per IS:12222	10m
Minimum Turning Clearance circle dia. in meters as per IS:12222	10.7m

Parameter	Nexon EV
Weight	
Gross vehicle weight (Laden), kg	1810
Kerb weight (unladen), kg	1400

VEHICLE DIMENSIONS



NOTE: Dimensions are in mm, unladen condition

AGGREGATE IDENTIFICATION NUMBERS

Chassis No. punching near driver seat

VIN plate below driver seat

CAR CARE

Your vehicle is subjected to many external influences such as climate, road conditions, industrial pollution and proximity to the sea. These conditions demand regular care of the vehicle body. Dirt, insects, bird droppings, oil, grease, fuel and stone chippings should be removed as soon as possible.

Washing

Following these tips while washing your vehicle.

1. Do not wash vehicle underbody with direct jet, also don't wash the under bonnet area with water
2. Always wash your vehicle in shade and the surface is at room temperature.
3. Wash with mild vehicle wash soap like 'Car Shampoo' and use a soft bristle brush, sponge or soft cloth and rinse it frequently while washing to avoid scratches.
4. To avoid scratches, please wear soft gloves. Remove finger rings, nails, wrist watch while washing.
5. To remove stubborn stains and contaminants like tar, use turpentine or cleaners like 'Stain remover' which are safe for paint surfaces.
6. Avoid substances like petrol, diesel, kerosene, benzene, thinner, ac-ids or other solvents that cause damage to paint.
7. Dry your vehicle thoroughly to prevent any damp spots.
8. Rinse all surfaces thoroughly to prevent any traces of soap and other cleaners as this may lead to the formation of stains on the painted surface later.

ⓘ NOTE

Avoid parking the car under trees without proper cover. This will reduce the amount of bird droppings, tree sap and pollen contact on the paint surface. Regularly remove the twigs, leaves and vegetation near the windshield areas to avoid water stagnation.

⚠ WARNING

Do not direct high pressure washer fluid/ water jets (Pressure above 0.5 bar) at electrical devices and connecter during washing. This is to prevent malfunction / failure of electrical system due to water ingress.

After drying the vehicle, inspect it for chips and scratches that could allow corrosion to start. Apply touch up paint where necessary.

Cleaning Of Carpets

Vacuum clean the carpet regularly to remove dirt. Dirt will make the carpet wear out faster. Periodically shampoo the carpet to keep it looking new.

Use carpet cleaners (preferably foam type). Follow the instructions that come with the cleaner. Apply it with a sponge or soft brush. Keep the carpeting as dry as possible by not adding water to the foam.

ⓘ NOTE

Avoid wiping of painted surface in dry condition as it may leave scratches on the painted surface.

Cleaning Of Windows, Front And Rear Glasses

Clean the windows inside and outside with commercially available glass cleaners.

This will remove the haze that builds up on the inside of windows. Use a soft cloth or paper towels to clean all glass and plastic surfaces.

FASTag

A FASTag sticker is pasted on front windshield from the inside. It enables electronic toll collection.

ⓘ NOTE

Do not attempt to rip or tamper the tag. It will disable the functionality of the tag.

Waxing

Waxing and polishing is recommended to maintain the gloss and wet-look appearance of your paint finish.

1. Use good quality polish and wax for your vehicle.
2. Re-wax your vehicle when the water does not slip off the surface but collects over the surface in patches.

Polishing

Polishes and cleaners can restore shine to the painted surface that has oxidized and become dull. They normally contain mild abrasives and solvents that remove the top layer of the finish coat. Polish your vehicle, if the finish does not regain its original shine after using wax.

Interior Fabric Cleaning Tips

1. Stains should be treated immediately. If left for a long time, they can leave a permanent mark.
2. Cleaning the stains immediately is important especially for stains which contain artificial colors in the stain creating liquid or semisolid substance. The colorant may leave a stain if kept for longer time.
3. Stain should not be removed by rubbing. As far as possible, try to blot or lift the stain with cloth or plastic spatula and then clean the remaining stain with cloth or sponge.

4. If the stain has dried, then gently brush off the material and then press with damp cloth or sponge till it disappears.
5. Do not use household detergents to clean the fabric.
6. Always use clean cotton cloth for cleaning.

Paint Care

Following guidelines will help you to protect your Vehicle from corrosion effectively. Avoid Spillage or direct contact of air freshener liquid/chemicals with painted plastic parts. These chemicals may cause damage to paint like blisters, peel off, wrinkles etc.

Proper Cleaning

In order to protect your vehicle from corrosion it is recommended that you wash your vehicle thoroughly and frequently in case:

- There is a heavy accumulation of dirt and mud especially on the underbody.
- It is driven in areas having high atmospheric pollution due to smoke, soot, dust, iron dust and other chemical pollutants.
- It is driven in coastal areas.
- Do not direct high pressure washer fluid/water jets (Pressure above 0.5 bar) at electrical devices and connecter during washing. This is to prevent malfunction/failure of electrical system due to water ingress. No High pressure washing in under bonnet area, Under-floor battery pack and CCS Charging port.

In addition to regularly washing your car, the following precautions need to be taken.

Periodic Inspection

- Regularly inspect your vehicle for any damage in the paint film such as deep scratches and immediately get them repaired from an authorized service outlet, as these defects tend to accelerate corrosion.
- Inspect mud liners for damages.
- Keep all drain holes clear from clogging.

Proper Parking

- Always park your vehicle in shade to protect it from harsh sunlight or in a well-ventilated garage so that there is no dampness on any part of the vehicle.

Wiper Care

- To prevent damage to the wipers or windshield, do not operate the wipers when the windshield is dry.
- To prevent damage to the wiper arms and other components, do not attempt to move the wipers manually.

EXTENDED WARRANTY

TATA MOTORS recommends the purchase of its extended warranty program.

Coverage - Mechanical + Electrical

Benefits

- Insures you against unforeseen break down repair bills.
- Documentation is simple and hassle free.
- Near cashless & speedy claim

Term

36 + 12 months or 1,25,000 kms whichever occurs first

OR

36 + 24 months or 1,25,000 kms whichever occurs first

Extended Warranty Booklet & Cover Note

The Extended Warranty booklet and cover note is the basis of the contract between TATA MOTORS LIMITED and the Owner of the vehicle shown on the Extended Warranty booklet. The Customer is to retain this booklet and the same to be pro-duced to the dealer while claiming benefit s under Extended Warranty.

Note

- The 12 or 24 months extended warranty does not follow the 36 months Manufacturer's warranty.
- The extended warranty comes into force once the manufacturer's warranty expires e.g. after 36 Months.
- It is more restrictive as by the time it comes into force the vehicle is already 36 months old.

What is Covered?

- Mechanical / Electrical break down as defined in this warranty and confirmed by the dealer within the stipulated terms and conditions.
- TATA MOTORS EV dealer shall either rep air or replace any part found to be defective with a new p art or an equivalent at no cost to the owner for p arts or labour.
- Such defective parts which have been replaced will become property of TATA MOTORS LIMITED.
- Comprehensive list of parts covered is mentioned in the page 9-12 of the Extended Warranty Booklet.

What is not covered?

Please refer the Extended Warranty Booklet for details of the exclusion list.

Owner's Responsibility

- Proper use, maintenance and care of the vehicle in accordance with the instructions contained in the Owner's Manual and Service Booklet. The records of the same to be ensured in Owner's Manual.
- Retention of maintenance service bills.

I / We have been explained the Terms and conditions, Coverage and Owner's responsibility by the Dealer Service Marketing Executive.

☐ I wish to avail / ☐ Do not wish to avail extended warrant policy.

Customer's Signature **Dealer's Signature**

VALUE ADDED SERVICES

Why are Corrosion Protection Waxes necessary?

Corrosion is caused by:

Water / salt water acid rain & atmospheric fallouts.

Critical areas are:

Cavities: joints, crevices, spot welds, underbody

- Corrosion is the most important factor when we talk about the vehicle life. If you treat your car you can prolong the life.
- It is very dangerous to drive around in a corroded vehicle.
- The corrosion creeps onto the vehicle from the inside and from the outside. The most dangerous kind of corrosion is often not discovered until it is too late.

Benefits of Anti - Rust Treatment:

- A professionally applied range of world class products offering real value to the new and used vehicle customer.
- The treatment has been developed to withstand the harshest environmental and climatic conditions (rust. Pollutants, stone and gravel impact, etc.)
- Insulate cabin space from external noises.
- Expensive tin work and Denting / Painting avoided.
- Higher resale value for the vehicle.
- Higher safety – uncorroded vehicle
- 10 free checkups available

TATA MOTORS has tied up with **M/s Wurth, M/s Autokrom, M/s 3M India Lt d & M/s Bardahl** for these world class treatment at affordable prices. These treatments are available in all authorized workshops. The Dealer Service Marketing Executive will explain to you the benefits and terms and conditions of this treatment.

I / We have been explained the Benefits, Terms and conditions and the prices of these treatments by the Dealer Service Marketing Executive.

☐ I wish to avail / ☐ Do not wish to avail extended warrant policy.

Customer's Signature **Dealer's Signature**

VEHICLE INTERIOR ENRICHMENT

Why protect your new car's fabric interior?

- Someone will spoil your vehicle's fabric carpet or seats.
- A significant detractor from your vehicle's resale value.
- A permanent stain on your vehicle's interior fabric.

The Enemy

Drink Spills - Food Stains - Mud - Ultraviolet Rays Pets - Traffic

Benefits: Vehicle Interior Enrichment

- Removal of medium stains and dirt from all interior parts of the car i.e., carpet, upholstery and roof lining.
- Cleaning of windshield and all windows (inside and outside).
- Dressing of all internal plastics (e.g.: door pad trims) and rubber parts.
- The treatment involves cleaning and dressing of all parts of the exposed interiors.
- Specialised protection for seat fabric from liquid spills.

TATA MOTORS has tied up with **M/s Wurth** and **M/s Autokrom** for this world class treatment at affordable prices. This treatment is available in all authorized workshops. The Dealer Service Marketing Executive will explain to you the benefits and terms and conditions of this treatment.

I / We have been explained the Terms and conditions, Coverage and Owner's responsibility by the Dealer Service Marketing Executive.

☐ I wish to avail / ☐ Do not wish to avail extended warrant policy.

Customer's Signature **Dealer's Signature**

VEHICLE WARRANTY: TERMS AND CONDITIONS

We WARRANT each **TATA NEXON EV** vehicle and parts thereof manufactured by us to be free from defect in material and workmanship subject to the following terms and conditions:

1. This warranty shall be for a period of **36 months from the date of sale of the car or a mileage of 1,25,000 km whichever occurs earlier. The warranty on the battery and motor shall be for a period of 96 months from the date of sale of car or a mileage of 1,60,000 KMs which-ever occur earlier**.
2. Our obligation under this warranty shall be limited to repairing or replacing, free of charge, such parts of the car which, in our opinion, are defective, on the car being brought to us or to our dealers within the period. The parts so repaired or replaced shall also be warranted for quality and workmanship but such warranty shall be co-terminus with this original warranty.
3. Any part which is found to be defective and is replaced by us under the warranty shall be our property.
4. As for such parts as Tyres, Batteries, Audio and / or Video equipment (if any), etc. not manufactured by us but supplied by other parties, this warranty shall not apply, but buyers of the car shall be entitled to, so far as permissible by law, all such rights as we may have against such parties under their warranties in respect of such parts.
5. This warranty shall not apply if the car or any part thereof is repaired or altered otherwise than in accordance with our standard repair procedure or by any person other than from our sales or service establishments, our authorized dealers, service centres or service points in any way so as, in our judgment which shall be final and binding, to affect its reliability, nor shall it apply if, in our opinion which shall be final and binding, the car is subjected to misuse, negligence, improper or inadequate maintenance or accident or loading in excess of such carrying capacity as certified by us, or such services as prescribed in our Owner's Manual are not carried out by the buyer through our sales or service establishments, our authorized dealers, service centres or service points.
6. **This warranty shall not apply to the replacement of normal wear parts, including without limitation, drive belts, hoses, wiper blades, fuses, clutch disc, brake shoes, brake pads, cables and all rubber parts (except oil seal and glass run).**
7. This warranty shall not cover any inherent normal deterioration of the car or any of its parts arising from the actual use of the car or any damage due to negligent or improper operation or storage of the car.
8. This warranty shall not apply to normal maintenance services like oils & fluid changes, head lamps focusing, fastener retightening, center hub cap/wheel cover. wheel balancing and alignment, tyre rotation, adjustment of valve clearance, ignition timing and consumables like bulbs, air and gas leaks in case

of air conditioned cars.

9. This warranty shall not apply to any damage or deterioration caused by environmental pollution or bird droppings. Slight irregularities not recognized as affecting the function or quality of the vehicle or parts, such as slight noise or vibration, defects appearing only under particular or irregular operations are items considered characteristics of the vehicle.
10. This warranty shall be null and void if the car is subjected to abnormal use such as rallying, racing or participation in any other competitive sport. This warranty shall not apply to any repair or replacements as a result of accident or collision.
11. This warranty is expressly in lieu of all warranties, whether by law or otherwise, expressed or implied, and all other obligations or liabilities on our part and we neither assume, nor authorize any person to assume on our behalf, any other liability arising from the sale of the car or any agreement in relation thereto.
12. The buyer shall have no other rights except those set out above and have, in particular, no right to repudiate the sale, or any agreement or to claim any reduction in the purchase price of the car, or to demand any damages or compensation for losses, incidental or indirect, or inconvenience or consequential damages, loss of car, or loss of time, or otherwise, incurred or accrued.
13. Any claim arising from this warranty shall be recognized only if it is notified in writing to us or to our authorized dealer without any delay soon after such defects as covered & ascertained under this warranty.
14. **This warranty is fully transferable to subsequent vehicle owner. Only unexpired remaining period of warranty applies.**
15. We reserve our rights to make any change or modification in design of the car or its parts or to introduce any improvement therein or to incorporate in the car any additional part or accessory at any time without incurring any obligation to incorporate the same in the cars previously sold.

ENVIRONMENT SAFETY

TATA MOTORS LIMITED is committed to produce vehicles using environmentally sustainable technol-ogy. TATA MOTORS passenger vehicles have been designed to ensure environ-mental compatibility throughout the life cycle of the vehicle. We would also like to inform you that your vehicle is a zero emission and environmental friendly vehicle.

CHARGING DO'S AND DON'TS

- The charging gun provided for home charging has to be stored safely and securely in the trunk of the vehicle or has to be plugged on to the Home Charging Box in locked condition.
- The wall box charging unit is also used for slow or home charging. It comes with a key and lock. It is recommended to lock the home charging box when the vehicle is kept for overnight charging or when nobody is around while the vehicle is being slow charged. This ensures that the charging unit along with the charging gun cannot be misused or stolen.
- Wet surfaces are good conductors of electricity. Though the vehicle is equipped with safety mechanisms to protect users, it is advisable to take a few precaution while plugging in for charging. Hence, before charging, ensure that the power source socket, the charging gun and the charging port (CCS2) port in the vehicle are dry. Also ensure that you are standing on dry ground and your hands are dry as well while using the high voltage charging equipment.
- Usage of damaged cables, Power Source socket and vehicle side CCS2 port must be avoided as they may result in electrical hazard and inconsistent charging experience.
- While plugging in for home charging, ensure power source is off. Subsequently ensure charging gun is connected at both ends – One at power source and the other at vehicle's CCS2 port. Then switch ON the power source switch to commence charging. Confirm that the vehicle is charging from the green charging tell tale displayed on the instrument cluster. The cluster remains ON to display charging status for 60 sec after the start of charging.
- If charging gun is removed before 100% charging and again needs charging upto 100%, it is advisable to wait for at least 10 seconds before reinserting the gun in the charging port.

- Once charging is complete and gun is removed from the charging port, it is advisable to pause for 30 sec before switching on the car to start driving.
- When the vehicle is shuttoff after drive, it is advisable to pause for at least 10-15 sec before charging. It allows the vehicle's electrical system time to de-energize and stabilize before the charging commences.