CAR IDENTIFICATION RECORD

OWNER'S NAME : _____

ADDRESS: _____

SELLING DEALER CODE : _____

DATE OF DELIVERY : _____

DATE OF REGISTRATION : _____

REGISTRATION NO : _____

MOTOR NO : _____

CHASSIS NO : _____

TRANSAXLE NO : _____

AUX. BATTERY MAKE : _____

AUX.BATTERY SR. NO : _____

AUX. BATTERY CODE : _____

KEY NO.: _____

THE WARRANTY ON THIS VEHICLE IS VALID ONLY IF THE DETAILS ARE FILLED, SIGNED AND STAMPED BY THE SELLING DEALER

DEALER'S SIGNATURE AND STAMP

Tiago.ev

OWNER'S MANUAL (IB)

TATA MOTORS

Revision: Rev 00/JUN 25

Dear Customer,

Welcome to the TATA MOTORS family,

Thank you on the purchase of TATA MOTORS vehicle.

As a global Indian automobile manufacturer, we focus on innovation, technology and build high quality products with exceeding values of “Connecting Aspirations”.

The Owner’s Manual will familiarize you with the operations, equipment description, features that are either as standard or optional on your vehicle. It is requested you read this manual carefully and follow the instructions and recommendations as mentioned.

You are advised to carry out service, maintenance and repairs at TATA MOTORS EV Dealers and EV Authorized service centers through out the life of your vehicle. Always use genuine parts for continued performance of your vehicle. Avoid modification, non-genuine accessories fitment on your vehicle. TATA MOTORS does not carry any liability arising due to it. Always keep this manual in the vehicle.

Information provided in this Owner’s Manual is explicit at the time of publication. However, as TATA MOTORS continues to make changes and improve products, it reserves the right to make changes in this manual or any product at any time, without notice and without any obligations.

We look forward for your continued association with us for many years to come.

Wishing you a Safe and pleasant driving experience.

TATA PASSENGER ELECTRIC MOBILITY LTD.

Floor 3, 4, Plot-18, Nanavati Mahalaya,Mudhana Shetty Marg, BSE, Fort,

Mumbai, (MH) - 400 001, India

CONTENTS

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 andare zero emission vehicles.

Review and Characteristics

This 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.

This vehicle uses two types of battery systems, high voltage battery system, it powers the inverter and electric motor to propel the wheel. The low voltage battery system (12V) provides power to the vehicle systems and features such as the audio system, supplementary restraint systems, headlights and windshield 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 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 Messages

In this Owner's Manual, you will find the text under the heading "WARNING", "CAUTION" and "NOTE" which highlights important information. Pay particular attention to these highlighted messages. The Images / Illustrations in this owner's manual are only for reference. It may defer with actual vehicle.

ⓘ NOTE

Indicates additional information that will assist you in gaining the optimum benefit and care for your vehicle.

⚠ WARNING

Indicates procedures or information that must be followed precisely in order to avoid the possibility of severe personal 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.

IMPORTANT INFORMATION

Vehicle in water logged condition

- Before driving through water logged areas ensure that water is below running board.
- Unseen potholes could damage un-der surface of the vehicle.
- Drive slowly and maintain constant acceleration.
- After passing the water logged area ensure to press brakes intermittently to dry the brake disc.

⚠ WARNING

- Do not drive through heavy waterlogged area.
- Water may enter into vehicle interior and motor compartment which may damage electrical, electronic circuits.

Vehicle in flood

⚠ WARNING

- If your vehicle gets flooded and if you see gas bubbles around submerged EV, smoking, it may indicate a damaged battery, Immediately contact TATA MOTORS EV Authorized Service Centre.
- If your vehicle is flooded wait for water level to recede.
- Once the water is receded, approach the vehicle, open all doors and let the water inside the vehicle get drained completely.
- Start the ignition and check if all electronic are working. Take your vehicle to nearest TATA MOTORS EV Authorisesd Service Centre get it inspected.

- Remove floor carpet and open the rubber/plastic gourmet provided on floor board, stepney space for water to recede from interior flooring of the vehicle completely.

Vehicle in fire

In case of vehicle fire, immediately evacuate vehicle and contact local fire tender responder. They possess proper training and equipment to safely extinguish vehicle fire. Inform them your vehicle is EV. Contact nearest TATA MOTORS EV Authorised Service Centre for further assistance.

⚠ WARNING

- If there is damage to EV, there is risk of thermal runaway which could lead to fire
- If the damage occurs in saltwater, the risk of battery short circuits leading to fire is increased.
- Do not modify your vehicle.
- Do not install high-wattage bulbs, non-genuine lamps, horns
- Do not modify suspension, wheels, tyres.
- Stick to manufacturer-recommended parts.
- Avoid tampering with the wiring harness it can lead to short circuits.

⚠ CAUTION

Do not store or carry inflammable materials in the vehicle.

Vehicle Scrapping

Your vehicle is equipped with SRS Air Bags and Seat Belt Pretensioner, ensure to remove and disposed it by qualified Service Centre or by TATA MOTORS Authorised Service Centre before scrapping your vehicle.

Vehicle Cyber Attack

Modern vehicles are equipped with internet connectivity for navigation, entertainment and diagnostics, making them vul-nerable to cyber attacks. Vehicles collect and stores personal data, which can be targeted by hackers. Cyber attacks can compromise infotainment system, brakes, steering and engine control, leading to severe cyber risk.

Vehicle Cyber Security

- Refrain from connecting the vehicle to public or unsecured Wi-Fi networks.
- Ensure your vehicle is physically secured by locking doors and parking in safe areas to prevent from unauthorised access.
- Never leave your keys in the car, even if you are nearby.
- Keep your vehicle updated with latest software versions.

- Pay attention to any security alerts or notifications and follow the guidelines.
- Disable the blue tooth of the car where not required and vehicle is not in use.
- Keep infotainment app's login credentials private & do not share it with anyone.

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

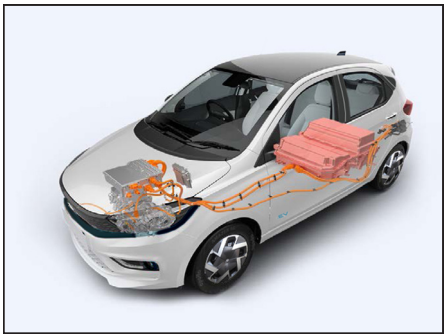
A device that converts electrical energy into rotational mechanical energy which is then transferred as rotational torque to the wheels through the gearbox in order to drive the vehicle.

High Voltage Battery (lithium ion)

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 High voltage battery is disposed of improperly, there is a risk of severe burns and electrical shock that may cause serious or fatal injury/casualty 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 exposure to high-voltage components. Observe all high-voltage warning labels which indicate high-voltage components or areas. Observe all orange cables and other high voltage components, large and small which carry high voltage
- Do not touch high-voltage components while the vehicle is in operation or ignition on.
- 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 cause serious or fatal injury/casualty.
- The vehicle high voltage system has no user serviceable parts. It is recommended that you take your vehicle to TATA MOTORS EV Authorised 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. Ensure Parking Brake to be engaged. Failure to follow the proper handling instructions may cause serious or fatal injury/casualty.

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 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 TATA MOTORS EV Authorised Service Centre or one that operates according to TATA MOTOR'S specifications with personnel trained accordingly.
- Your vehicle's high-voltage system is a self-contained system. Safety is ensured as long as no work is performed on 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:

- 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 or 12V battery

AC – Alternating Current

DC – Direct Current

OBC – On Board Charger

PDU – Power Distribution Unit

VCU – Vehicle Control Unit

OBD -On Board Diagnostics

SoC – State of Charge

SRS – Supplementary Restraint System

CRS - Child Restraint System

DAB – Drive Airbag

PAB – Passenger Airbag

ABS – Anti Lock Braking System

EBD – Electronic Brake Force Distribution

PEPS- Passive Entry/Passive Start

ESCL – Electronic Steering Column 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

RCBO – Residual Current Breaker with Over-Current

BMS – Battery Management System

HIGH VOLTAGE BATTERY SYSTEM

Your vehicle 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 it is not in use, the HV battery undergoes discharge (Approx. 2% State of Charge in 30 days) over a stagnant period.

Please refer to the 'Charging' section on how vehicle charging is performed correctly.

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 Authorized EV Service Centre for further assistance.

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

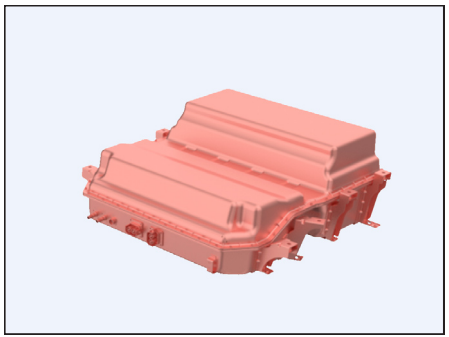
If warning related to battery appears, communicate to TATA MOTORS EV Authorised Service Centre.

Your vehicle is powered by 24 kWh or 19.2 kWh 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 may cause serious or fatal injury /casualty.



BATTERY INFORMATION

Since the battery pack is not user serviceable, we urge you to visit the nearest TATA MOTORS EV Authorised 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:

- Avoid exposure of the vehicle to extreme environmental temperature for extended period of time.
- Do not leave the vehicle for longer period when High voltage battery is near zero SoC. Follow the long duration storage guideline.
- Do not use the High voltage battery for any other purpose.
- The capacity of the High voltage 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 High voltage 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 centre and get the SoH of Battery pack get inspected.
- It is recommended that the vehicle must be charged greater than 50% before leaving the vehicle for long resting period (>15 days).After the resting period the vehicle must be charged to 100% using slow Charging before use.
- One complete charging (slow) at least once a month is recommended for optimum battery life. One full slow charging after every 4 fast charging cycle is recommended for regular charging.
- If over time the maximum charge capacity and the maximum electric range begin to degrade, contact TATA MOTORS EV Authorised Service Centre for inspection and maintenance.
- If the vehicle is involved in a collision, we recommend that you contact TATA MOTORS EV Authorised Service Centre to inspect if the high voltage battery is still connected or damaged in any way.
- The HV 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.
- Be sure to read the warnings and cautions in the following sections.

Temperature Limits

Battery pack is maintained to operate between 20°C to 35°C to ensure best performance.

Battery pack can operate safely in limits of 0 to 55°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

This Vehicle comes with a standard battery warranty as mentioned in warranty section. Regular service of the vehicle and charging protocol to be followed to maximize the battery life.

Energy Information

The vehicle battery pack has a maximum energy of 24 kWh or 19.2 kWh. 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 TATA MOTORS EV Authorised Service Centre for inspection.

Energy Recovery System

The vehicle 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.

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 Authorised 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 Authorised Service Centre must be contacted for rectification.

Predicting Energy Usage

The vehicle 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.

High Voltage System Failure

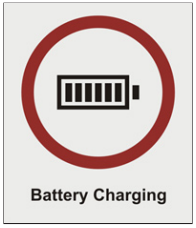
In the case of high voltage system failure, which may arise due to various reasons, contact TATA MOTORS EV Authorised Service Centre for further assistance.

Disposal

The disposal of an HV Battery will be carried out by TATA MOTORS EV Authorised Service Centre or authorized agency at the end of the battery life time or if the battery pack has passed its warranty period.

Tips to Conserve Battery Life

1. Battery Charging

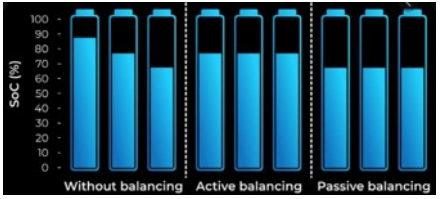


It is advisable to charge the vehicle upto 100%. This ensures accurate SoC calculation and consistent energy content intake during charging. Charging to 100% also maintains battery health for longer time and ensures better range throughout the life cycle of the vehicle.

It is also advisable to slow or home charge the vehicle to 100% as much as possible. Slow Charging and full charging is the best way to charge your vehicle to maintain the health of the high voltage battery.

If fast charging is used, it is advisable to slow or home charge the vehicle from less than 20% charge to 100% for every 4 fast charging cycles.

2. Cell Balancing or equalization



Cell balancing or equalization and SoC calibration happens during charging, especially at higher SoC, > 90%. This causes charging to take longer time above 90%. Allow the vehicle to reach 100% SoC before terminating the charging session, as both cell balancing and SoC calibration are essential steps for any battery to perform optimally for a prolonged time

3. Extreme Temperatures

Extreme temperatures impact upon how well a battery can maintain its level of charge. Avoid charging the high voltage battery when it is hot and vehicle is driven for long distances especially in summers. Allow vehicle temperature to cool down before charging. It is always better to charge EV when ambient temperature is low especially at night.

4. Vehicle Parking

Avoid parking vehicle in direct sunlight for long duration. Try to park it under shade, tree etc. This helps in keeping battery temperature low resulting enhance battery life over the life cycle.

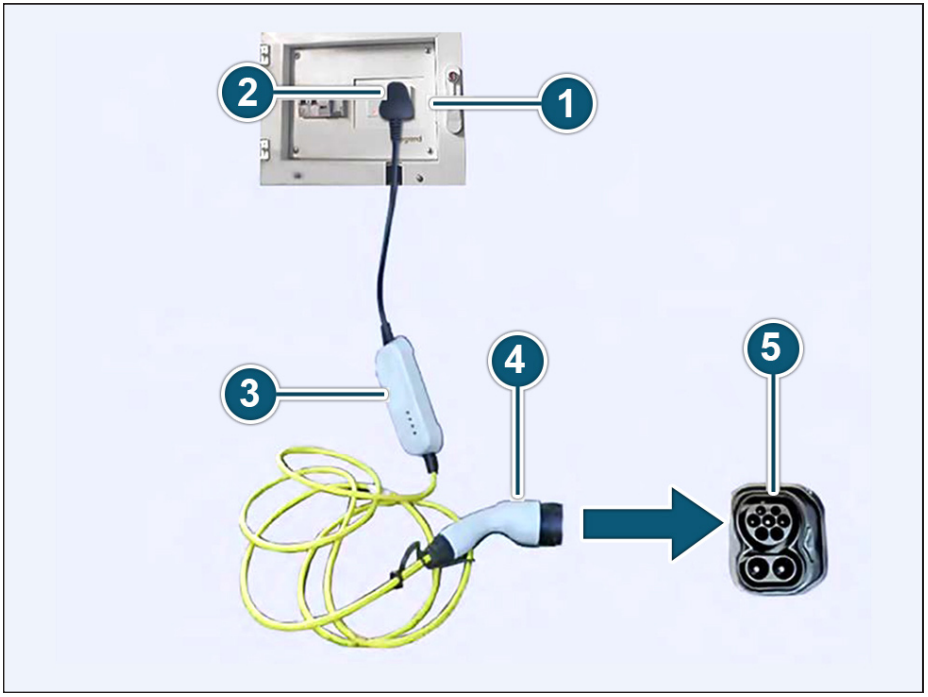
SAFETY INFORMATION

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

As shown in the image, the parts for Slow 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 such that 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 TATA MOTORS Authorized 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, which 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 increases. 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 vehicle – Slow and Fast charging methods. In Slow Charge, plug the charging gun (provided with the car) into a 230V electrical outlet. For Fast Charging, go to the nearest Fast Charging station (CCS Type 2) to charge your car in a short duration.

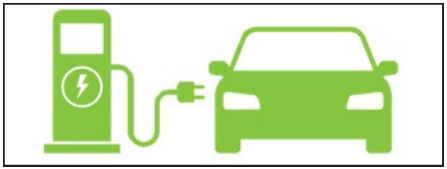
Slow Charging (AC Charging)

- 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 slow charging / AC charging.

- Slow 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.
- Slow charging generally refers to AC home charging or wall box charging. It is advisable to always charge vehicle with slow charging as it helps to enhance battery life, ensure consistent vehicle and battery performance and also maximize driving range.
- It is advisable to charge the vehicle to 100%. This ensures accurate SOC calculation, cell balancing and consistent energy content intake during charging. Charging to 100% also maintains battery health for longer time and ensures better range in the long run. If charging has to be stopped at less than 90%, it is advisable to ensure that vehicle is charged to 100% every 4 charging cycles.
- Alternately, in case where charging does not happen as frequently, please charge the vehicles to 100% at least once a week.
- Slow charging happens in vehicle off condition or ignition on condition. However, it is recommended to charge the vehicle in off condition in order to ensure optimum energy consumption/ efficiency and charging robustness. It is also recommended not to change power state during charging, unless absolutely necessary as it may cause interruptions/ discontinuation in charging.
- Charging only happens in park brake engaged condition. So always keep the park brake engaged during a charging session.

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.
- Fast charging refer to DC charging at dedicated stations. Fast charging is a faster method to replenish the High voltage battery.
- Opportunity charging is a charging session in which the battery is not charged to 100% during the charging session. Typically the high voltage bat-

tery is charged up to 80-90% SoC.

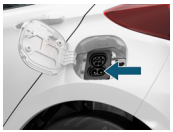
- This charging scenario is not healthy for a battery as it does not allow for cell balancing and SOC calibration which happens at higher SOC, > 90%..
- Consecutive and multiple use of fast or opportunity charging results in inconsistent battery performance. Hence, it is advisable to use fast or opportunity charging only when necessary, i.e. when on long trips, away from home charging facilities etc.
- If fast or opportunity charging is used, it is recommended to slow charge the vehicle from <20% charge to 100% after maximum 4 fast or opportunity charging sessions.

ⓘ NOTE

In order to derive optimum performance and durability from the pack, it is recommended to use slow charging frequently and fast charging only when required. It is recommended to perform slow charging at least after every 4 cycles of fast charging.

CHARGING

Here are the Details of the Different Types of Charging Mechanisms:

Types Of Charging	Charging Specifications	Charge Port	Charge Gun	Power Source
Slow/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 15A ac RMS • 15A plug point			
AC Charging (WMU)	• Nominal Voltage: 230 V AC RMS single 50Hz (L1,N ,PE,3 -Phase) • Power Rating: 7.5Kw AC RMS • Rated Current 32A AC RMS			
Fast/DC Charging	• Nominal voltage: 320V DC • Charging station (CCS Type 2) voltage capability should be greater than or equal 370V DC.			

Slow / AC Charging

It takes about 6.9**Hrs. to 8.7** Hrs. at room temperature and normal operating conditions (refer the specs table in previous page) for the EV to charge from 10% to 100% with Slow Charging. The charging gun will be locked after switching on the AC supply.

AC Charging (WMU)

Approximately 2.6** Hrs. to 3.6**Hrs. (time for a 0 to 100% charge, may increase basis factors such as ambient temperature, electrical load on meter, vehicle usage during and before charging, air conditioning usage during charging, aux loads etc.)

Fast / DC Charging

Tiago 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 58** minutes for the high voltage battery to charge from 10% 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.

Precaution for Slow Charging

1. Proper maintenance of earthing 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 Instruction

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

Before unlocking the charging gun, switch off the ac power supply and press the "charging gun unlock switch", on dashboard panel.

In case of Fast charging, it will take around 15 to 20 sec for the charging gun to unlock.

ⓘ NOTE

In emergency charging shutdown conditions, Gun won't be unlocked. Contact TATA MOTORS EV Authorised service centre.

ⓘ NOTE

In unforeseeable 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.

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.

HOME CHARGING BOX FOR SLOW CHARGING OF YOUR EV

In order to provide customer a seamless charging experience at home, TATA MOTORS provides a complementary Home charging box and its installation at customers premise.

This Home charging box is to be installed in customer's dedicated parking area or near the EV parking slot.

Customer to use this charging socket for regular slow charging purpose of EV.

This charging box consist of:

- Switch & Socket (25 A) suitable for long hours of usage.
- RCBO - Residual circuit breaker with overcurrent protection to ensure electrical safety.
- Charger Holder/Mounting Bracket for holding the charging cable controller.
- Lockable Metal box assembly for prevention of Electricity theft since this unit is powered by customers own electric meter.

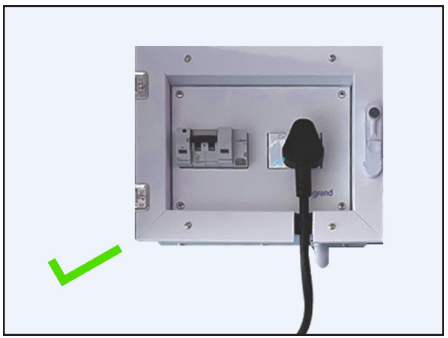
In case of any damage or any malfunction if observed in home charging box, please connect to TATA MOTORS EV Authorised service centre for assistance.

SLOW CHARGING PROCEDURE

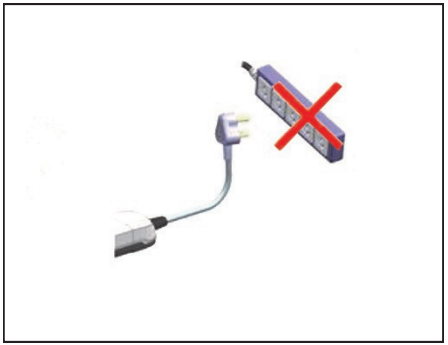
1. Engage the park brake. **(Charging will not start without engaging the park brake).**

> **ⓘ NOTE**
>
> *Ensure vehicle is in OFF / Ignition ON condition.*

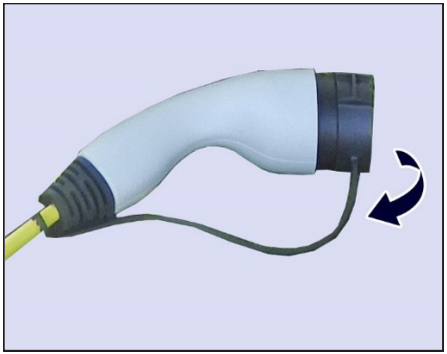
2. Connect the plug to AC power socket.

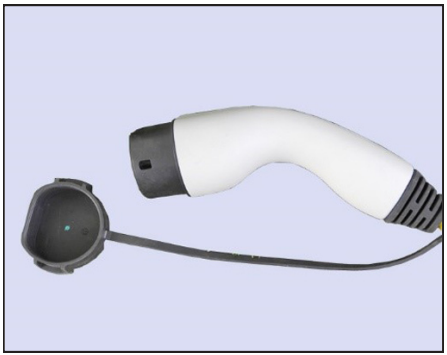


3. DO NOT plug into a power strip.

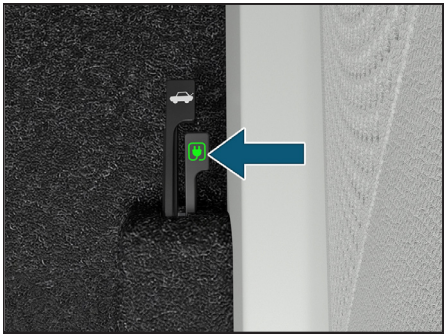


4. Open the Protective cap on charging gun.

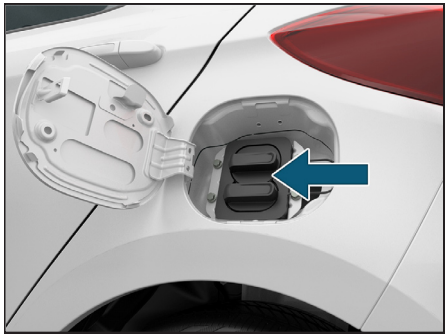




5. Pull the ‘Charging-inlet Flap Open Lever’ to open the charging inlet flap.



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.

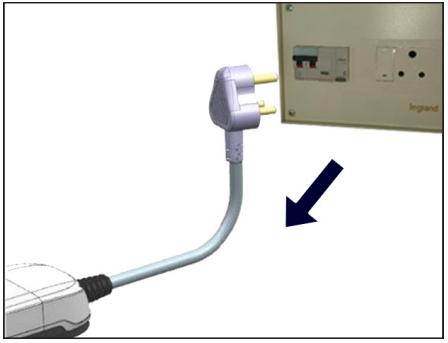
8. If the actuator is engaged and the gun is not getting inserted properly, contact TATA MOTORS EV Authorised Service Centre.
9. Remove any dust on the Charging Gun and Charging Inlet. Connect the charging gun to vehicle AC Charging Inlet.

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 charging automatically. If not, please refer 'Troubleshooting Guide for Slow 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.
15. To stop the charging, switch off the AC power supply.
16. Press the charging gun unlock switch displayed on dashboard panel.
17. Remove the plug.



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

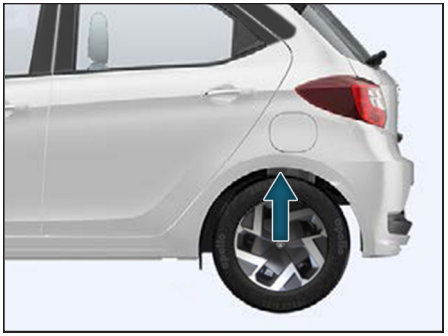
ⓘ NOTE

- *Once Slow/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 unforeseeable 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.

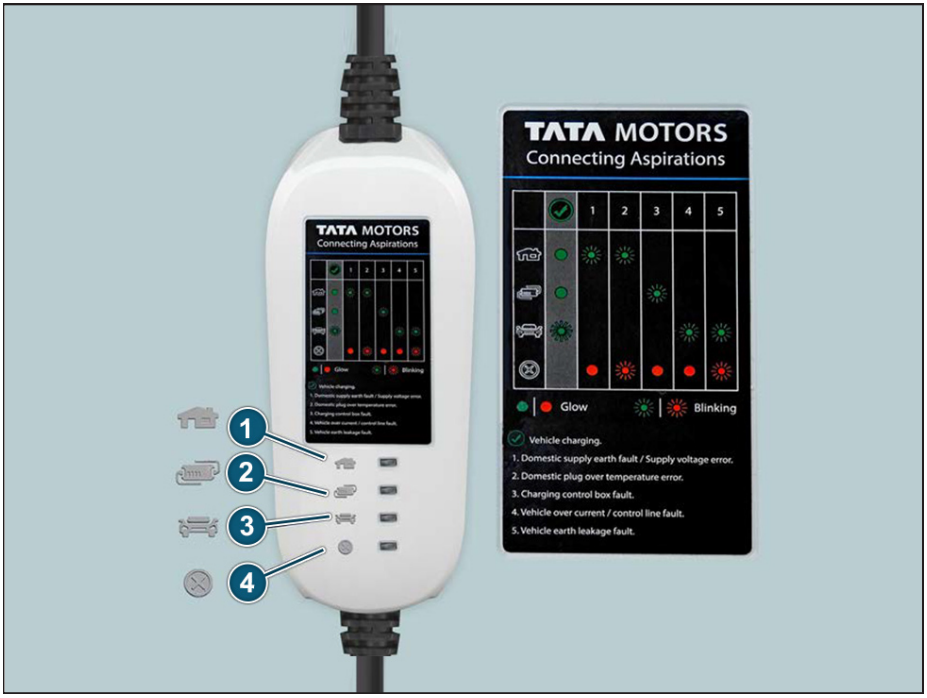
If the charging gun remains stuck even after pressing the fascia switch five times, use the mechanical override lever located at the back of the vehicle, as shown in the adjacent figure. Pull this lever to release the gun from the CCS2 port.



Important: Operate the mechanical lever only after ensuring that the current from the charger to the vehicle has stopped. Tata Motors is not liable for any issues arising from the use of the mechanical override lever without confirming the cessation of current delivery from the charger to the vehicle.

Slow Charging Control Box Indications

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



Slow charging control box

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 Check for engagement of park brake
				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

CHARGING

Troubleshooting Guide for Slow 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 Charging"
						AC voltage is either less than 190V or more than 250V. Error in domestic supply side. "Stop Charging"
		Blink	Off	Off	Blink	Proper connection of plug and socket should be ensured. Also, check socket rating and use 15A socket

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 box		Off	Off	Blink	On	Go to nearest TATA Motors EV Service Centre
		Off	Off	Blink	Blink	

Legend

 -Blink  - Off  - On

Maintenance of Slow Charging Gun

The Portable Charger for slow 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.

Action to be Taken When Charging Stops Abruptly

- Check the reason for interruption of charging.(Refer 'Troubleshooting guide for Slow Charging' table).
- Switch off the AC supply. Press the Charging Gun unlock switch on the dashboard panel to unlock the slow charging gun.
- 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 slow charging, make sure that DC charging cap is closed.
- In case of dust/mud/snow accumulation in charging port, it can be cleaned by blowing air into the charging port. Never use any water or liquid for cleaning purpose.
- Allow the charging port to dry completely.

ⓘ NOTE

Water entering into the charging port will always get drained through the drain system. If water is stagnant in charging port area call TATA MOTORS EV Authorised Service Centre to rectify the issue.

AC CHARGING (WMU)

1. APB should be in engaged condition (Charging won't start if APB is not engaged).

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

3. Open the protective cap on Charging Inlet (AC side).
4. Remove the charging gun from the WMU. (WMU will be separately installed at customer end)

5. Open the protective cap on WMU Charging Gun.

6. Before connecting the WMU charging gun to vehicle charging socket, make sure the gun lock is released.
7. If the actuator is engaged and the gun is not getting inserted properly, contact TATA MOTORS EV Authorised service center.
8. Remove any dust on the Charging Gun and Charging Inlet. Connect the WMU charging gun to vehicle AC Charging Inlet.

9. Scan the RFID provided, on the WMU to start charging.
10. Charging gun will be locked automatically. You will hear a “click” sound, when the gun is connected correctly.

11. Normally the car starts automatically charging. If not, please refer ‘Troubleshooting Guide in WMU’s owners’ manual.
12. Open the door and see instrument cluster for State of Charge, Time to Charge and Gun connection status.
13. To stop the charging, scan the RFID on WMU.
14. The charging gun will be unlocked after pressing the fascia switch on the dashboard panel. Pull out the gun.
15. Put on the protective caps on both Charging Gun and Vehicle Inlet. Place

the Charging gun back and close the charging inlet flap.

FAST CHARGING PROCEDURE

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

ⓘ NOTE

Ensure vehicle is in OFF / Ignition is in ON condition.

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 charging automatically. **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 to 20 seconds after switching off the DC power supply as well as after pressing the fascia switch on instrument cluster.
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, it is always advisable to put the gun back in the charger station module and then put it back for charging. A 10 sec time gap is recommended.

ⓘ NOTE

In emergency charging shutdown conditions, Gun won't be unlocked. Contact TATA MOTORS EV Authorised service center.

STATE of CHARGE (SoC) GAUGE FOR HIGH VOLTAGE BATTERY

Provided in the instrument cluster as a tell-tale. 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 your SoC drop below 10%, Where your tell-tale will be continuous ON and Single chime will be played to alert Low HV Battery SoC Level. further When SoC 1st bar blinks with low charger tell-tale with continuous chime it will indicate HV battery SoC is critically low.
- When the charge percentage is less than 10% in the high voltage battery, the vehicle speed is limited and the vehicle will be turned OFF once the SoC reaches 0%. Charge the vehicle immediately.

GENERAL SAFETY TIPS

Safe Driving

Safety consciousness not only ensures your safety and the safety of other road users, but 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

During long journey take rest at regular intervals.

Safety Tips

- Always take into account the road conditions, weather conditions, vehicle speed in order to prevent accidents.
- Set the side indicator switch to ON at least 30 meters before taking a turn or changing the lane.
- Decrease the speed before taking turn. Do not apply brakes during cornering.
- When overtaking the vehicles, make sure that the road ahead is clear.
- 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.
- Program radio presets with the vehicle parked, and use your programmed presets to make radio use quicker and simpler.

Driving in Adverse Condition

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 Authorized EV Service Centre.

Driving on a Rainy Day

Do a check of brakes, steering, windows, tyres for wear and tyre pressure. Also, do a check of wiper blades to function correctly. Avoid harsh braking and sharp turns. It may cause loss of control and lead to a skid. Keep lights ON if visibility is poor. Always drive in D mode if the road is slippery.

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 press 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.

Climbing Sharp Gradients

Apply the parking brake firmly so that the vehicle does not roll backwards.

Shift the Gear Knob lever to the “S” position. Release the brake pedal and depress the accelerator pedal gradually, and when the vehicle starts to move, release

the parking brake and depress the accelerator pedal to start off.

On climbing sharp gradients, never hold the vehicle at a stop using only the accelerator pedal or the creeping function.

Descending Sharp Gradients

Always ensure the Gear Knob is selected in either D or S or R depending on the direction. Do not shift the Gear Knob to N while descending, as reverse current from motor can damage the electronic components. Whenever need to decrease the speed press the brake as desired.

Driving on Gradients

When climbing gradient, the vehicle may begin to slow down and show a lack of power. If this happens, apply power smoothly so that there is no loss of traction.

When driving down a hill, do not drive in neutral gear or switch off the motor.

⚠ 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 gives the information about your vehicle seat belt, airbag and Child restraints system. Please read and follow all these instructions carefully to minimize risk of severe may cause serious or fatal injury /casualty 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 front seat. Make sure that your seat is adjusted to a good driving position and the back of the seat is up-right.

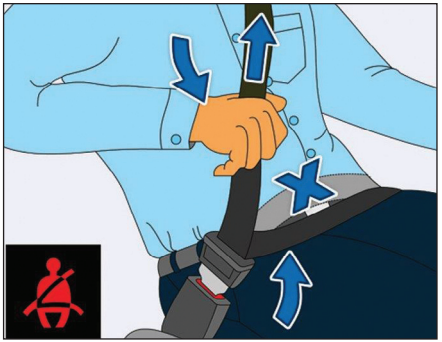
Buckling the Shoulder Seatbelt

- Grasp the tongue and slowly pull out the seat belt over the shoulder and across the chest. When the seat belt is long enough to fit, put 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 thighs, 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. Make sure that the seat belt running over the body (shoulder segment and lap segment) does not have any twist. As it 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 above image is for reference purpose only.

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 collision, pre-tensioner tightens the seat belt so that it fits the occupant's body more safely. When pre-tensioner activates, there could be some noise and release of smoke. This is usual and there are no health hazards or risk of fire.

⚠ WARNING

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

If the vehicle has been involved in a collision, get it inspected immediately at TATA MOTORS EV Authorised 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 together with the SUPPLEMENTARY RESTRAINTS SYSTEM (SRS-Airbags).

In the collision, load limiter decreases the load on the rib cage region of the occupant.

If the vehicle has been involved in a colli-

sion, get it inspected immediately at Authorized TATA MOTORS EV Service Centre.

Use of Seat Belts for Pregnant Woman

⚠ 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 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

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

- The seat belt warning lamp reminds you to fasten seat belt via audio and visual warnings.
- The seat belt warning lamp turns on in case seatbelt is not buckled. The warning lamp will be ON for around 60 seconds.
- If the speed exceeds 17kmph, audio warning is also given. Here irrespective of whether the seat is occupied or not, warning will be given if seat belt is unbuckled. Duration of audio warning is around 35 seconds.
- If reverse gear is engaged and seatbelt is unbuckled, only visual warning will be given.
- If reverse gear is disengaged and then forward gear is re-selected and vehicle speed is below 10Km/h, visual warning will be there in case seat belt is unbuckled. When vehicle speed exceeds 10 Km/h, then audio warning shall also

continue to resume its count of 35 seconds.

- If vehicle speed is below 10kmph, seat belt is unbuckled and door is open, visual warning will be there for the entire duration for which door is open.
- When door closes and seat belt is unbuckled, visual warning will restart and when vehicle speed crosses 17 kmph, then audio warning will also start.

SUPPLEMENTARY RESTRAINT SYSTEM (SRS) (Airbags)

The airbag 'SRS' system contain the following components depend upon the provided safety features in 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". Air bags are designed to inflate in collisions when required. 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 air bags provide a cushion to the occupants. The air bag inflates and deflates so quickly that you may not even realize that it has activated. The air bag 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 usual. 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, it is advised to get fresh air immediately.

After inflation, airbag gradually gives a cushioning effect for the occupant after which it 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 above image is 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 Airbag may be very hot.*
- *Always wash exposed skin areas thoroughly with lukewarm water and mild soap.*

The driver airbag is mounted in the center 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 dash board. The word 'SRS' is embossed on the airbag covers.

⚠ WARNING

- Even in vehicles with airbags, passengers must always put on the seat belts. In order to minimize the risk and severity of injury in the collision.
- Always use seat belts and CRS – during trip. Even with air bags, this can cause injury or death in the collision. If you put on improperly seat belt or not using seat belt when the air bag inflates.
- Do not sit or lean close to the air bags.
- 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, centered 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 IGN is turned off.

- If an occupant is out of position during collision, then quickly deploys air bag may hit the occupant causing serious or fatal injuries.
- Do not let the front passenger to put their feet or legs on the dashboard.
- Do not let the passenger to ride in the front seat when the front passenger air bag OFF indicator is illuminated.

Wrong Seating Position

NOTE

The above image is for reference purpose only.

WARNING

- Never place your arm over the airbag area as a deploying airbag can result in serious arm fractures or other injuries.
- Do not place or stick any items in the vehicle, except at designated locations (such as utility bins, cup/bottle holders, boot space etc). Loose items may act as projectiles during a collision and cause severe to fatal injuries.
- Please be aware that any unsecured item in your vehicle, such as your pet, unsecured CRS or a laptop, can become a potential hazard in the event of a collision or sudden stop, causing injuries to occupants in the vehicle.
- Coat hooks if provided, must be used only for that purpose. Never hang other items on to those hooks. This could affect deployment of airbags and may lead to severe or fatal injuries.
- ALWAYS contact your TATA MOTORS Authorized EV Service Centre if the vehicle is damaged, even if airbag has not inflated.
- ALWAYS contact your TATA MOTORS Authorized EV Service Centre if any part of an airbag module cover shows sign of cracking or damage.

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 perform

ance of SRS.

- Fitment of bull bars, seat covers on seats with airbags etc, is strictly prohibited, unless authorized 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 TATA MOTORS Authorized EV Service Centre 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 Authorized 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 extreme hazards associated with the use of 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.

CHILDREN ON BOARD

⚠ WARNING

- Do not leave unattended children in your vehicle.
- During reversing and parking, ensure that your children are far away from the vehicle.

⚠ WARNING

- 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.
- 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 install a booster seat or a booster cushion with a seat belt that is slack or twisted.

Child Restraint System (CRS)

TATA MOTORS strongly recommends the use of Child Restraint Systems (CRS) for all children up to 36 Kg and to be placed at recommended positions only (Refer CRS Position table in this section).

ISOFIX

CRS can be installed in the vehicle using seat belts and/or ISOFIX with support leg (if equipped) or ISOFIX with Top Tether (if equipped). These ISOFIX attachment points are located on rear outboard seating locations which enables quick and safe child seat engagement.

ISOFIX

Top Tether

Top Tether mounting anchorages are located at backside of rear outboard seats.

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 of injuries.

Keep children in a forward-facing or rearward facing CRS with a harness until they reach the size or age or weight limit recommended by your CRS manufacturer.

Selection And Installation Of Crs

Always select the CRS that complies with latest safety standards (AIS 072 / ECE R44 / ECE R129). The CRS are classified according to the child's size, height and weight. Select the appropriate CRS for your child. Ensure that the child fits properly in the CRS and it is securely installed in the vehicle.

While installing the child seats always adhere to the directions in this Owner's Manual as well as those provided by the child seat's manufacturer.

TATA MOTORS recommends Joie i-Spin Safe i-Size child seats for up to 18 Kg children. These seats are available at TML dealerships.

ⓘ NOTE

TATA MOTORS recommends to keep the highlighted device in close condition while using Joie i-Spin Safe child seat in car

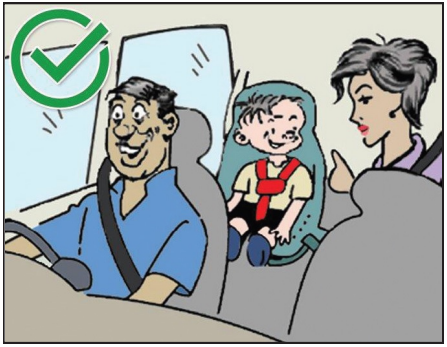
Installing The Child Seat On Front Passenger Seats

- Adjust the front passenger seat back up to its vertical position as per requirement, so that it can create adequate contact between passenger seat backrest & child seat.
- Adjust the front passenger seat forward or backward as per requirement, so that there could not be any contact between front passenger seat & child seat or child present behind it.
- If required, adjust the front passenger seat height to its suitable position.
- While installing child seat on front passenger seating position, adjust the buckle to its suitable position of rotation.
- While installing forward facing child seat for 15 to 18kg children on front passenger seating position, adjust the front passenger seat to its rearmost position.

Installing The Child Seat On Rear Passenger Seats

- If required, adjust the front seat so that there could not be any contact between front seat & child seat or child present behind front seat.
- While installing forward facing child seats adjust the rear seat head restraints to its lowermost position or remove it if required & keep it at safe location to reinstall it whenever adult passenger is sitting at that position.
- While installing child seats on rear outboard seating position, adjust their respective buckles to its required position of rotation.

Recommended CRS Position



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 as per the child group.

ⓘ 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 seat-back, it will not provide adequate protection in a collision.

Recommended CRS Positions (CRS Fastened With A Safety Belt)					
Group	Mass Group	Front Passenger	Rear Outboard LH	Rear Outboard RH	Rear Centre
0	Up to 10 kg	X	U	U	X
0+	Up to 13 kg	X	U	U	X
I	9 to 18 kg	UF	U	U	X
II	15 to 25 kg	UF	U	U	X
III	22 to 36 kg	UF	U	U	X

X: Seat Position not suitable for children in this mass group.

U: Suitable for "universal" category restraints approved for use in this mass group.

UF: Suitable for forward facing "universal" category restraints approved for use in this mass group.

⚠ CAUTION

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 modify CRS in any way.

⚠ CAUTION

- Do not install a booster seat or a booster cushion with only the lap strap of the seat belt or a seat belt that is slack or twisted.
- Do not leave any toys or other objects loose in the CRS or on the seat while the vehicle is in motion.

Recommended CRS Positions (CRS That Can Be Used With ISOFIX System)						
Group	Mass Group	Category Of Child Seat	Front Passenger	Rear Outboard LH*	Rear Outboard RH*	Rear Centre
0	Up to 10 kg	E	X	IL	IL	X
0+	Up to 13 kg	C, D, E	X	IL	IL	X
I	9 to 18 kg	D, C, B, B1, A	X	IL IUF	IL IUF	X
II	15 to 25 kg		X	IL	IL	X
III	22 to 36 kg		X	IL	IL	X

IL: The seat is suitable for the ISOFIX child seats with “Semi-Universal” approval.

IUF: The seat is suitable for forward facing child seats and is permitted for use in this weight category.

X: The seat is not equipped for the ISOFIX system.

*Rear outboard seating positions are suitable for ISO/R3, Class C CRS.

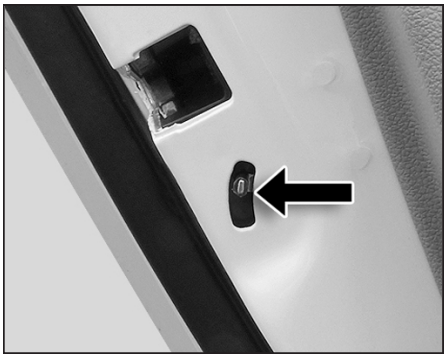
After a collision, we recommend to get seat belts, seats, ISOFIX and top-tether anchorages (as may be applicable) investigated at TATA MOTORS EV Authorised Service Centre.

Each CRS should be used for one child only.

⚠ WARNING

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 EV Authorised Service Centre.

Child Lock



Child lock are provided on both rear doors. It is used for safety of a child.

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.

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.*

ANTI-THEFT DEVICE-IMMOBILIZER / PEPS (if equipped)

Immobilizer system is designed to prevent vehicle theft by electronically disabling the ignition system. The EV can be started only with vehicle's original Immobilizer ignition key which has an electronic identification programmed code.

ⓘ NOTE

Use only Flip key, the other 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." Keep the Flip key safely because without it, the vehicle cannot be started.

Vehicle Condition	Immobilizer Lamp Status	Vehicle State	Meaning / Function Of The State
Ignition OFF	Blinking	Locked	Vehicle Immobilized and awaiting electronic key
Ignition ON	OFF	Unlocked	Normal condition and ready to start the vehicle
Ignition ON	ON	Locked	- Problem with key (Wrong key used to start vehicle) - Problem with Immobilizer system. Contact the TATA MOTORS Authorized EV Service Centre
Ignition ON	Blinking	Unlocked	Contact the TATA MOTORS Authorized EV Service Centre immediately

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 for few seconds when the ignition is turned on. It turns off when the motor is ON.

⚠ 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 skidding and accidents.
- Drive on carefully. Have ABS checked immediately at a TATA MOTORS Authorized EV Service Centre as soon as possible.

While Braking

- In an emergency situation take your foot off the accelerator and press the brake pedal fully. This allows the ABS to regulate braking for you and have steering control along with maximum possible braking.
- When ABS is active driver will feel brake pedal pulsating and very low motor (ABS) activation noise from Motor compartment, which is normal during ABS braking.

⚠ WARNING

- On certain surfaces, such as gravel or firm ground covered by snow, the standard ABS system may have the effect of increasing the stopping distance, but ABS will still offer the advantage of helping you to maintain directional control of vehicle.
- 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) (if equipped)

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 increase at rear wheels.

⚠ WARNING

- In the case of EBD failure the driver will be alerted via the symbol on instrument cluster.
- If EBD is malfunctioning, the rear wheels can lock, e.g. under full braking. This increases the risk of skidding and an accident.
- You should therefore adapt your driving style to the different handling characteristics. Have the brake system checked immediately at TATA MOTORS EV Authorised Service Centre as soon as possible.

KEYS (if equipped)

An E-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 E-key carries a unique identification code. The vehicle unlocks when the code on the E-key matches with the code on the Vehicle Control Unit (VCU).

Vehicle Starting

When the key is engage and the ignition is switched 'ON', all codes are communicated within E-key, Immobilizer and VCU. The car will start only if all the codes match.

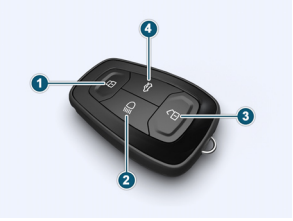
Loss of Keys

If you cannot the find the key, contact the nearest TATA MOTORS Authorized EV Service Centre immediately.

⚠ WARNING

- Do not turn 'ON' ignition switch by using E-key with any type of metal wound around its grip or in contact with it. This may be detected as unusual condition by immobilizer and prevent car from starting.
- Do not leave the E-key in areas of high temperature. The transponder in it will behave abnormally when reused.
- Do not try to start the vehicle when the Immobilizer indicator lamp on the instrument cluster is glowing. In this condition the vehicle will not start and the vehicle's battery will also be drained due to frequent cranking.

Keys (if equipped)

Sr. No.	Name	Remote Key	Description
1	Mechanical key		1. Locking all doors 2. Unlocking all doors
2	Flip key with remote		1. Unlocking all doors 2. Approach light 3. Locking all doors 4. Folding key blade in/out
3	Smart Key (PEPS)		1. Locking all doors 2. Approach light 3. Unlocking all doors 4. Tail gate opening

FLIP KEY

1. Unlocking all doors
2. Approach Light / follow me / Tail gate
3. Locking all doors
4. Key blade in / out button

Unlocking all Doors

To unlock all doors, press unlock push-button (1) once. Unlocking will be confirmed by single flash of turn indicators.

Approach Light / Follow Me

Press approach light button (2) once, low beams, potion lamps and roof lamp will turn 'ON' . This feature helps to find and reach the parked vehicle or to reach home in dark/ cloudy condition after parking. To switch 'OFF' the approach lights, press and release the same button or it automatically turns 'OFF' after approx. 30 seconds.

Tail Gate Opening

Electric Tail gate opening can be done through long press (4 sec) approach light button on remote key.

Locking all Doors

To lock all doors, press lock push-button (3) once. Locking will be confirmed by two flashes of turn indicators.

If lock button is pressed on the remote key with the driver door open, locking-unlocking takes place with audible warning sound. If any other door is open, the vehicle gets locked but indicators do not flash.

Folding Key Blade in / out

Press button (4) to flip out the key blade. For folding, press the button (4) and fold the key blade inside.

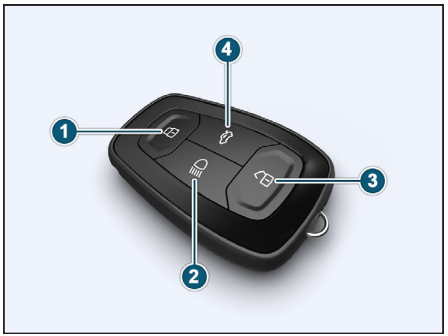
ⓘ NOTE

Key Blade should not be folded without pressing the button. Also, it should not be forced in any direction apart from folding direction to avoid damage to Flip Mechanism.

Manual Operation of Central Door Locking / Unlocking

All doors can be locked / unlocked operating driver door using either key blade from outside or knob from inside.

SMART KEY (if equipped)



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

Locking all Doors

Press the lock button once (1) to lock all the doors of the vehicle.

Successful lock will be indicated by two flashes of turn signal indicators.

Approach Light

When you press approach light button (2) once, position lamps or low beam and position lamps will turn 'ON'.

This feature helps to find and reach the parked vehicle or to reach home in dark/cloudy condition after parking.

To switch 'OFF' the approach lights, press and release the same button or it automatically turns 'OFF' after 30 sec.

Unlocking all Doors

Press the unlock button once (3) to unlock all the doors.

Successful unlock will be indicated by one flashes of turn signal indicators.

ⓘ 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, which is present inside the smart key.

Tail Gate Opening

Press the lock button once (4) to unlock the tailgate.

Key Blade in / out

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

SMART KEY FEATURES

Vehicle Search

If lock button on smart key is pressed when the vehicle is locked, the turn indicators of vehicle flashes four times for the driver to locate the vehicle.

Automatic Activation Of Immobilizer

If smart key will not found within the passenger compartment, Power electronics and Drive unit will be immobilized and vehicle cannot be start.

Auto Lock/unlock of Doors/ Auto Relock (drive Away Locking)

In case of PEPS variants, door will get unlocked when ignition is OFF by pressing start/stop button.

Vehicle doors get automatically locked when all doors are closed and the vehicle speed crosses 10 kmph.

Also, when unlocked with remote key and if no door is opened within 30 seconds, vehicle doors get automatically locked.

Vehicle doors get automatically locked after 180 sec .time elapsed, when vehicle power is in OFF mode and vehicle all doors in locked condition. After doing other than driver door transition (open a closed) then vehicle all door will get unlocked and an audio warning will be sounded for nine sec to alert that the key is inside the vehicle.

Anti-grab / Anti-scan Coding

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

Important

- Don’t press unlock button on remote in the vicinity of your vehicle, as you may accidentally unlock 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, it may interfere with the operation of the smart key.
2. If the smart key is near a mobile two way radio system or a cellular phone, then it will not work correctly.
3. If another vehicle’s smart key is being operated close to your vehicle, the signal will fluctuate.

⚠ WARNING

Keep the smart key away from electromagnetic materials which block electromagnetic waves to the key surface.

ⓘ NOTE

In case any button of the key is accidentally pressed for more than 20 seconds, the remote stops functioning till the time the button is pressed. The LED on the Remote also stops glowing. The function of the remote gets reinstated immediately when the user stops pressing

the push button of remote.

Force Panic Operation

Force Panic ON Operation

When the vehicle is in off condition and the lock and unlock buttons are pressed at the same time, the force panic operation becomes active. In this case, the turn indicators start flashing and the vehicle starts to honk.

Force Panic OFF Operation

To deactivate the force panic operation, press any button on the smart key.

Two Smart Keys Scenarios

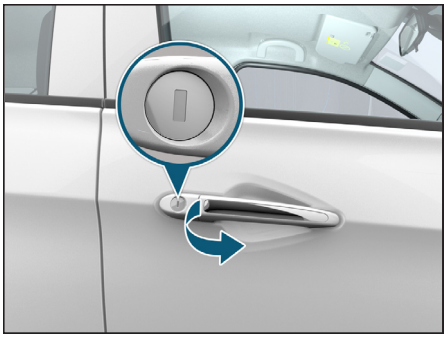
Sr No	Scenarios	Precondition	Action	Peps Behaviour
1	One smart key is inside the vehicle (away from Immobilizer antenna) and other smart key is outside the vehicle within authentication range.	Vehicle is in OFF mode and all door closed	Lock the vehicle with outside smart key (passive lock / RKE lock) and keep outside smart key away from authentication range.	When user tries to start the vehicle with inside smart key, vehicle doesn't start.
2	One smart key is inside the vehicle (near Immobilizer antenna) and other smart key is outside the vehicle within authentication range.	Vehicle is in OFF mode and all door closed.	Lock the vehicle with outside smart key and keep outside smart key away from authentication range.	When user tries to start the vehicle with inside smart key, vehicle would start with back up start. User presses start/stop button twice with the interval of 2.5 sec between two presses within 5 seconds. **Note**: The vehicle doesn't start if inside smart key is kept away from Immobilizer antenna until vehicle is unlocked by outside smart key via outside door handle OR RKE unlock command from inside/outside smart key is received.
3	One smart key is inside the vehicle (near Immobilizer antenna) and other smart key is outside the vehicle within authentication range.	Vehicle is in OFF mode and all door closed.	Lock the vehicle with outside smart key and keep outside smart key away from authentication range.	When user tries to unlock/lock the vehicle ((RKE lock / unlock) with inside smart key, RKE lock/ unlock operation takes place normally.

Sr No	Scenarios	Precondition	Action	Peps Behaviour
4	One smart key is inside the vehicle (away from Immobilizer antenna) and other smart key is outside the vehicle within authentication range.	Vehicle is in OFF mode and all door closed.	Lock the vehicle with outside smart key (passive lock / RKE lock) and then unlock the vehicle with mechanical key.	When user tries to start the vehicle with inside smart key, vehicle doesn't start. However, RKE operations (lock/unlock) take place normally.
5	One smart key is inside the vehicle (away from Immobilizer antenna) and other smart key is outside the vehicle within authentication range.	Vehicle is in ACC/IGN mode and all door closed.	Lock the vehicle with internal knob.	When user tries to unlock the vehicle passively with outside Smart key (from driver/co driver side), vehicle doesn't get unlocked in ACC/IGN mode. Also, when user tries to unlock the Tail gate passively, Tail gate doesn't get unlocked.
6	One smart key is inside the vehicle (away from Immobilizer antenna) and other Smart key is outside the vehicle within authentication range.	Vehicle is in ACC/IGN mode, all door closed, and vehicle is in unlock state.	Keep the outside smart key within driver door vicinity and try to lock vehicle with driver door handle switch from driver / co driver side.	Vehicle doesn't get locked in ACC / IGN mode.

DOORS

Door Lock and Unlock with Key

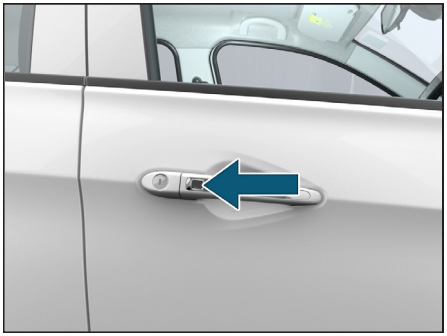
The front doors can be locked or unlocked from outside using the key blade.



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

Door Locking and Unlocking using Door Handle Switch (DHS)

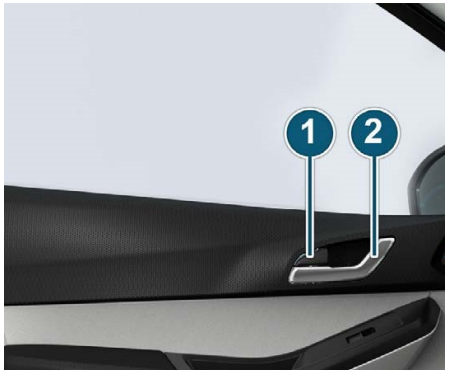
To lock/unlock all the doors without operating smart key button/ key blade. Press the door handle switch (DHS) provided on the driver door to lock/unlock all the four doors excluding Tail gate.



ⓘ NOTE

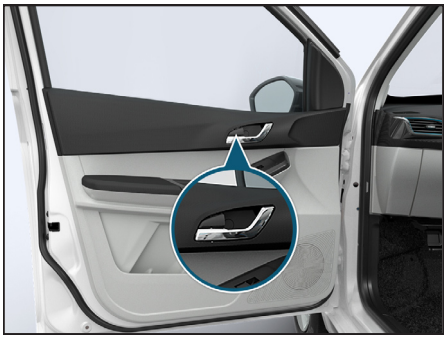
- *Authentication range for smart key ranges from 1 to 1.5 meters from outside the respective door or tail gate.*
- *Passive entry works only when ignition is off.*

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



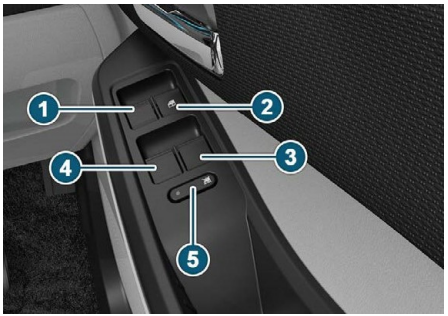
All doors can be opened from inside. To open, pull the door opening knob and then lever.

ⓘ 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 Window (if equipped)



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

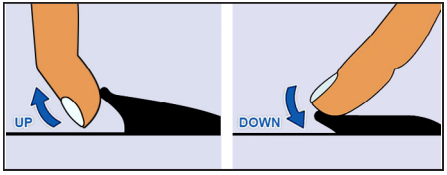
Power windows can be operated for 30 seconds in 'IGN OFF' and 'KEY OUT' positions, provided the doors are closed.

Express Down (if equipped)

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

Individual Switches

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

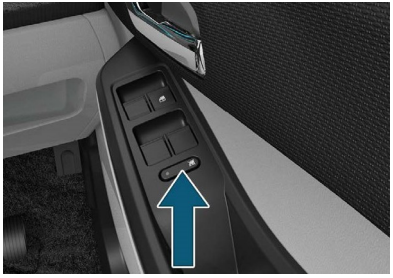


Glasses are wound up or down by pulling or pressing the switch.

⚠ WARNING

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

Inhibit Switch



When switch (5) is pressed, amber light turns 'OFF'. 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.

As the switch is depressed, amber light turns 'ON'. 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.

⚠ WARNING

- If children operate the windows they could 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

⚠ WARNING

Always switch off the ignition before opening the bonnet.

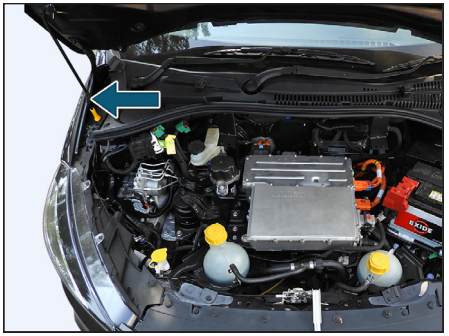
1. Make sure that the vehicle is in neutral position with the parking brake applied.
2. Pull the bonnet release lever. The bonnet will pop up slightly.

3. Raise the bonnet slightly and with your finger slide the secondary lock lever located under the bonnet centre to the left side.

ⓘ 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 engage the free end into the slot.



⚠ WARNING

Put 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, and then let it drop down.

⚠ WARNING

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

TAILGATE OPENING

PEPS Key (if equipped)

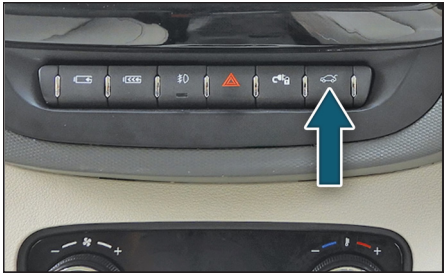
Option 1

To release the tail gate, press the tail gate button on the remote.

Option 2

Press the button available below the chrome garnish to open the Tailgate.

Option 3



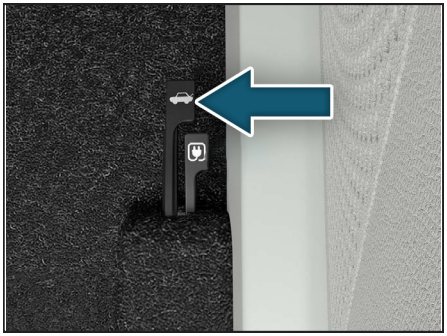
To open the Tail gate, press the switch located on fascia switch.

Flip Key (if equipped)

Option 1

Press and hold approach light button for few sec until the trunk lid is unlock.

Option 2



Pull the lever located at right side below near to driver seat to open the trunk lid.

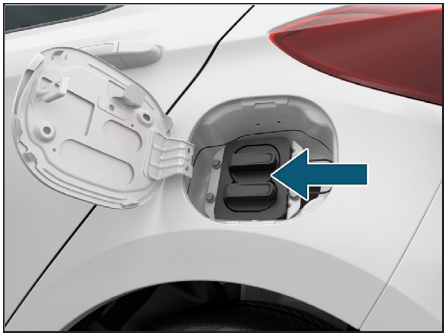
ⓘ NOTE

For other key type, use key for opening the trunk lid.

OPENING CHARGING PORT FLAP

To release the Charging port flap, pull the lever located at the right hand side below the driver seat.

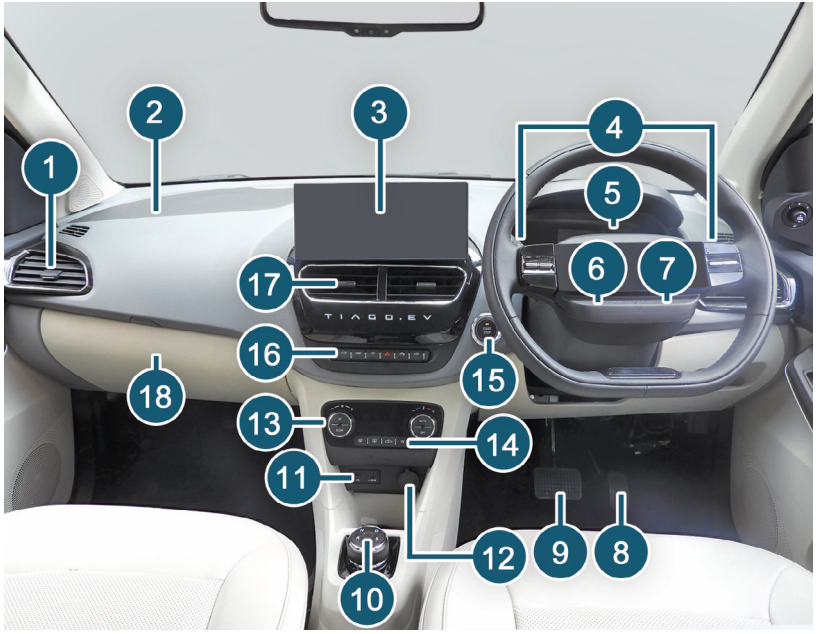
Remove the Rubber Cap for charging before gun insertion and place it back after charging.



ⓘ NOTE

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

COCKPIT



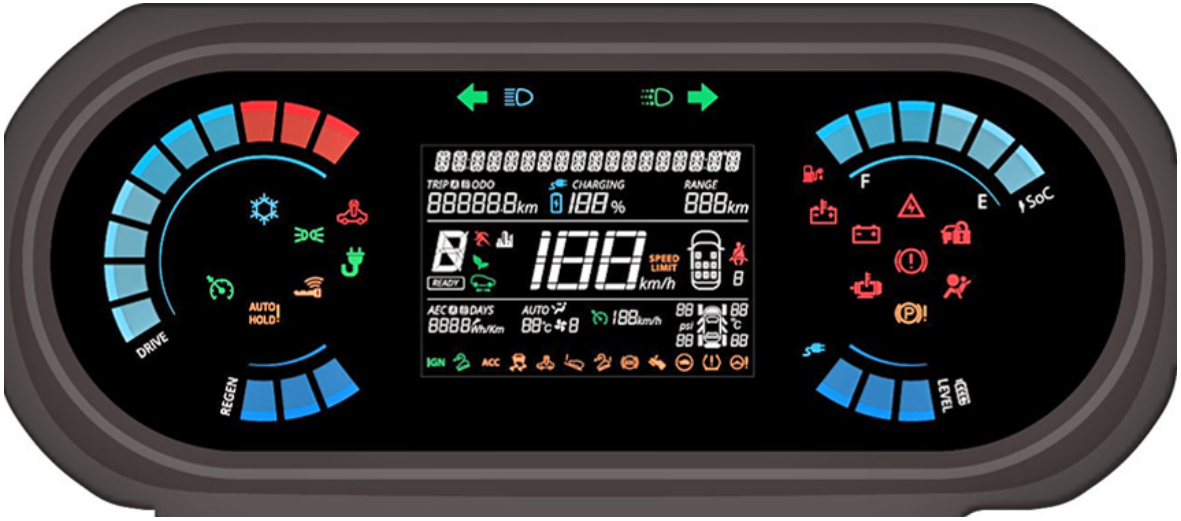
1	A.C. Air vent (Side)
2	Air Bag (PAB)
3	Infotainment System
4	Combi-Switch
5	Instrument Cluster
6	Air Bag (DAB)
7	Horn
8	Accelerator Pedal
9	Brake Pedal
10	Gear Selection Knob
11	USB port
12	Power Socket
13	FATC Control Panel
14	FATC Switches
15	Start / Stop switch
16	Fascia Switches
17	A.C. Air vent (Middle)
18	Glove Box

* Image for your reference, actual vehicle may differ.

* Features listed above may or may not be applicable to your vehicle.

INSTRUMENT CLUSTER

Option I



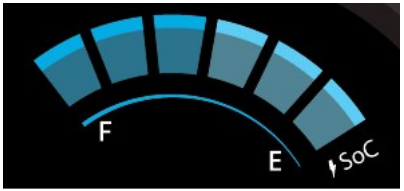
NOTE: All indicators show may not be applicable to your vehicle.

Option II

NOTE: All indicators show may not be applicable to your vehicle.

State Of Charge (SoC)

Option - I



Option - II

SoC Gauge indicates the State of Charge remaining in battery in percentage.

ⓘ NOTE

Do not drive the vehicle with low SoC.

Speedometer

Speedometer indicates the vehicle speed in km/h.

ⓘ NOTE

At every key in and Ignition ON, speedometer digits moves from 0 to 199 and returns to 0. This is a welcome strategy and a self-check feature.

EV Mode Gauge

Option- I

Option - II

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 will starts sweep from ECO mode from Minimum to Maximum and then Power mode from Minimum to Maximum and coming back from Maximum to Minimum from Power to ECO mode to indicate the welcome strategy behavior.

For ECO mode, ECO band will fill as per

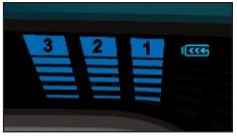
the power consume in ECO drive by taking instantaneous power consumption input.

For POWER mode, Power band will fill as per power consume in Power drive by taking instantaneous power consumption input.

Re generation Level Gauge

Option- I

Option-II



In regeneration mode, Regeneration band will fill as per energy recuperation while driving by taking instantaneous power consumption input.

This function provides Regeneration Level settings to user from Minimum to Maximum in steps of Level 0, Level 1& Level 2 of vehicle during driving and displayed in the instrument cluster.

The “Maximum” Regen Level setting provides the maximum amount of regenerative braking power & it recaptures the most energy and reduces wear & tear on the brakes.

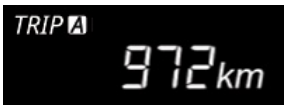
The “Minimum” Regen Level setting incorporates a reduced regenerative braking force that recaptures less energy but allows the vehicle to coast farther than in the “Maximum” Regen Level.

Sr. No.	Regen Selection Through Switch	Regen Levels On Instrument Cluster Display
1.	OFF	
2.	LEVEL 1	
3.	LEVEL 2	
4.	LEVEL 3	

ⓘ NOTE

When all functional modes are activated, then take the vehicle to TATA authorized EV service center.

Driver Information System

Driver Information	System Image	Description
Odometer		Indicates total distance travelled by a vehicle. The Odometer reading does not return to “0” when it reaches maximum value, the display will freeze to maximum value and not resettable.
Tripmeter A& B	 	The trip meter is used to measure the distance travelled on short trips. It can be reset to “0”. Trip meter reading becomes “0.0” after it crosses 9999.9 kms.
Average energy consumption for Trip A and Trip B	 	Indicates “Average Energy consumption” that your vehicle consumed during the trip A and Trip B. ***NOTE:*** *When Average energy consumption value displays - - Wh/km instead of integer value, then take the vehicle to TATA MOTORS authorized EV Service Centre.*

Driver Information	System Image	Description
Distance to empty		Indicates approximate distance that your vehicle can travel with available usable battery charge left in battery & it is displayed in “km”. This value may differ from the actual driving distance available. ***NOTE:*** *If RANGE is displayed as ‘—-‘, take your vehicle to authorized TATA MOTORS EV Service station.* The distance to empty value is an estimate of the available driving distance. In event of drive with higher power consumption / harsh drive, actual initial RANGE shown and kilometer driven will vary than display.
Service reminder	 	Indicates the number of days or kilometers remaining for next service at every ignition ON for few seconds if service is due. If service is overdue, DIS will display 0 km or 0 days and spanner symbol shall blink at every ignition ON for few seconds. DIS will indicate Spanner symbol as continuously ON when service is overdue. When Service reminder warning appears, take your vehicle to Authorized TATA MOTORS EV Service station. ***NOTE:*** *The service reminder through instrument cluster is just for an indicative purpose. Please refer the Maintenance and Service*

Driver Information	System Image	Description
		section in owner's manual for extensive information on service schedules.
Clock		When the ignition switch is in the "ON" position, it shows the time. ***NOTE***: You can change the clock time using SET and MODE buttons. 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.
Night time illumination control		Instrument cluster illumination in night time can be controlled in 5 steps as per your convenience using SET and MODE button. Refer settings flow.
Time to charge (TTC)		Indicates approximate time to charge for complete Charging of Battery. It indicates in "HH:MM" (Hours: Minutes).This value may vary based on the various vehicle parameters. NOTE: Time to charge screen comes only in charging ON and IGN OFF condition for 30 Sec and 5 Sec for every interrupt.

Driver Information	System Image	Description
Door ajar (if applicable)		All four doors and tail gate are indicated independently when respective door or tail gate is open. NOTE: If any other door is open roof lamp will be 'ON' provided that roof lamp switch is in position
		This warning will be indicated when driver door is open. ***NOTE:*** *If any other door is open roof lamp will be 'ON' provided that roof lamp switch is in position.*
Vehicle status display		Indicates the vehicle is in run mode and ready to move.
Gear for display		Indicates the current drive mode of the vehicle will be displayed on DIS. ***NOTE:*** *If display shows 'F or Blank' take your car to TATA Authorized EV Service Centre.*

Driver Information	System Image	Description
Outside ambient temperature		Indicates the outside ambient temperature of FATC System from 'LO' to 'HI'. Displays outside ambient temperature in units °C. and Resolution is 1°C. ***NOTE:*** 1. The temperature sensor is in the front bumper of the vehicle, therefore the temperature reading can get affected by heat reflection from the road surface, Power electronics and Drive unit heat, the exhaust from surrounding traffic etc. *This can cause an incorrect temperature reading when the vehicle is under low speeds or when stopped.* 2. *If display shows '- - ', take your car to TATA Authorized EV Service Centre.*
Charging level		Indicates the charging level of the battery in Percentage.
KEY BATT LOW		"KEY BATT LOW" text warning comes 'ON' for 4 seconds when UID key battery is low.
KEY OUT OF RANGE		"KEY OUT OF RANGE" text warning comes 'ON' for 4 seconds when UID key is not inside the vehicle.
PRESS BRAKE TO CRANK		"PRESS BRAKE TO CRANK" text warning comes 'ON' for 4 seconds when BRAKE is not pressed to crank the vehicle.

Driver Information	System Image	Description
SERVICE DUE		“SERVICE DUE” text warning comes ‘ON’ for 4 seconds when service is overdue.
OVER SPEED		“OVER SPEED” text warning comes ‘ON’ for 4 seconds when dis-play speed crosses 120 Km/Hr.
TAKE A BREAK		“TAKE A BREAK” text warning comes ‘ON’ for 4 seconds when driver drives continuously for prolonged duration. ***NOTE:*** *“TAKE A BREAK” text warning comes ‘ON’ for 4 seconds again with specific duration if vehicle is not stopped and con-tinuously driven.*
HAPPY BIRTHDAY		“HAPPY BIRTHDAY” text comes ‘ON’ for 4 seconds on owner’s birthday.
BATT TEMP HIGH DRIVE SLOW		“BATT TEMP HIGH DRIVE SLOW” text warning comes ‘ON’ for 4 seconds when HV Battery Temperature is high.
MOTOR TEMP HIGH DRIVE SLOW		“MOTOR TEMP HIGH DRIVE SLOW” text warning comes ‘ON’ for 4 seconds when Motor Temperature is high.
HV BATTERY LOW PLEASE RECHARGE		“HV BATTERY LOW PLEASE RECHARGE” text warning comes ‘ON’ for 4 seconds when there is Low State of Charge.

Driver Information	System Image	Description
HV CRITICAL ALERT		“HV CRITICAL ALERT” text warning comes ‘ON’ for 4 seconds when there is critical alert in HV System.
LIMITED PERFORMANCE		“LIMITED PERFORMANCE” text warning comes ‘ON’ for 4 seconds when Limited Performance Mode Activated.
ENGAGE PARK BRAKE TO START CHARGING		“ENGAGE PARKBRAKE TO START CHRGING” text warning comes ‘ON’ for 4 seconds when Vehicle Charger is connected.
WELCOME		“WELCOME” text warning comes ‘ON’ for 4 seconds when Ignition is change from OFF to ON.
DOOR OPEN		“DOOR OPEN” text warning comes ‘ON’ for 4 seconds when any Door is open.
PARK BRAKE ALERT		“PARK BRAKE ALERT” text warning comes ‘ON’ for 4 seconds when Vehicle Speed is above 5 Kmph and park.
FASTEN DRIVER SEAT BELT		“FASTEN DRIVER SEAT BELT” text warning comes ‘ON’ for 4 seconds when Driver seat belt is not fasten and Vehicle speed is above 15 Kmph.

Driver Information	System Image	Description
FASTEN CO-DRIVER SEAT BELT		“FASTEN CO-DRIVER SEAT BELT” text warning comes ‘ON’ for 4 seconds when Co-Driver seat belt is not fasten and Vehicle speed is above 15 Kmph.
AUX BATTERY LOW		AUX BATTERY LOW text warning comes ‘ON’ for 4 seconds when Auxiliary battery is low.
ACCESSORY ON		ACCESSORY ON text warning comes ‘ON’ for 4 seconds when Accessory Vehicle Power Mode is ON.
IGNITION ON		IGNITION ON text warning comes ‘ON’ for 4 seconds when Ignition Vehicle Power Mode is ON.
STEER FAIL VISIT SERVICE CENTER		STEER FAIL VISIT SERV CENT text warning comes ‘ON’ for 4 seconds when Steering System is Fail.
STEER FAIL STOP DRIVE		STEER FAIL STOP DRIVE text warning comes ‘ON’ for 4 seconds when Defect found in Steering System.
DRIVE READY		DRIVE READY text warning comes ‘ON’ for 4 seconds when Vehicle is Ready to Drive.
CHARGER CONNECTED		CHARGER CONNECTD text warning comes ‘ON’ for 4 seconds when Vehicle Charger is connected.

Driver Information	System Image	Description
CHARGE NOT FULL BAT SOC XX PERNT		CHARGE NOT FULL BAT SOC XX PERNT text warning comes ‘ON’ for 4 seconds when Vehicle Charger is Removed & Battery is not Fully Charge.
CHARGE FULL		CHARGE FULL text warning comes ‘ON’ for 4 seconds when Vehicle Charging is full.
PARK BRAKE SWITCH FAULT VISIT SERVICE CENTER		PRK BRK SW FAULT VISIT SERV CENT text warning comes ‘ON’ for 4 seconds when Park Brake Switch is in Fault State.
MALFUNCTION VISIT SERVICE CENTER		MALFUNCTION VISIT SERV CENT text warning comes ‘ON’ for 4 seconds when Park Brake Switch System is in Fault State.
IGN OFF TAKE KEY OUT		IGN OFF TAKE KEY OUT text warning comes ‘ON’ for 4 seconds when Ignition is OFF.
STOP VEHICLE TO SHUTDOWN		“STOP VEHICLE TO SHUTDOWN” text warning comes ‘ON’ for 4 seconds when PEPS System in fault state.

Driver Information	System Image	Description
LOW SOC S MODE DEACTIVATED		“LOW SOC S MODE DEACTIVATED” text warning comes ‘ON’ for 4 seconds when S Drive Mode is selected with Vehicle Battery Low Condition.
CRUISE ON		“CRUISE ON” text warning comes ‘ON’ for 4 seconds when Cruise function is ON by user.
CRUISE OFF		CRUISE OFF” text warning comes ‘ON’ for 4 seconds when Cruise function is OFF by user.
CRUISE ACTIVATED		CRUISE ACTIVATED” text warning comes ‘ON’ for 4 seconds when Cruise function is Activated.
CRUISE NOTDOABLE		“CRUISE NOTDOABLE” text warning comes ‘ON’ for 4 seconds when Cruise is not Doable.
CRUISE CANCELLED		“CRUISE CANCELLED” text warning comes ‘ON’ for 4 seconds when Cruise function is Cancelled
CRUISE OVERRIDE		“CRUISE OVERRIDE” text warning comes ‘ON’ for 4 seconds when Cruise is OVERRIDE.
CRUISE RESUMED		“CRUISE RESUMED” text warning comes ‘ON’ for 4 seconds when Cruise is RESUMED.
Contactor Weld	**CHARGING DISABLE VISIT SERV CENTER**	“CHARGING DISABLE VISIT SERV CENTER” text warning comes ‘ON’ for 4 seconds when HV Fast charging contactor is weld
Slow Charge	**SLOW CHARGE UP TO 100 PERNT**	“SLOW CHARGE UP TO 100 PERNT” text warning comes ‘ON’ for 4 seconds when mandatorily slow charged till SOC is

Driver Information	System Image	Description
		100% request from VCU ECU
iTPMS WARNING (if equipped		“CHECK TIRE RESET SYSTEM” text warning comes ‘ON’ for 4 seconds when any tire pressure is high / Low in vehicle tires.
iTPMS WARNING-(if equipped		“TPMS ERROR VISIT SERV CENT” text warning comes ‘ON’ for 4 seconds when there is any fault in iTPMS System.
iTPMS WARNING (if equipped		“TO RESET TPMS HOLD SET BUTTON” text warning comes ‘ON’ for 4 seconds when TPMS reset active request from ABS ECU.
HDC ACTIVE if equipped)		“HDC ACTIVE” text warning comes ‘ON’ for 4 seconds when hill descent control function is active
HDC DEACTIVE (if equipped)		“HDC DEACTIVE” text warning comes ‘ON’ for 4 seconds when hill descent control function is deactivated
ESP OFF (if equipped)		“ESP OFF” text warning comes ‘ON’ for 4 seconds when ESP is made off.

Distance to Empty (RANGE)

RANGE indicates approximate distance (km) that the vehicle can travel with current charge.

RANGE shall be indicated both in IGN ON & IGN OFF conditions.

This value may differ from the actual driving distance.

'RECHARGE' shall be displayed which indicates that it's the time to take your vehicle to the nearest charging station.

ⓘ NOTE

If RANGE is displayed as '—-', then take your vehicle to TATA MOTORS Authorized EV Service Centre.

Instrument Cluster Illumination

For Instrument Cluster illumination level settings, it is necessary to turn the Park Lamp 'ON' and then Press the 'SET' knob on Instrument Cluster.

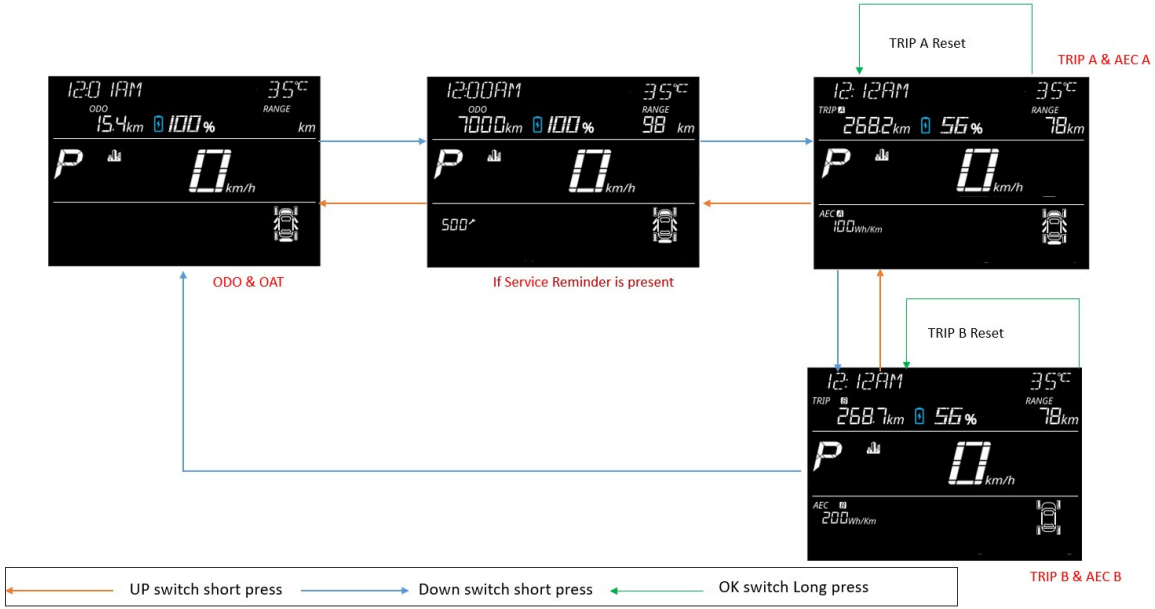
Press 'SET' knob to change the illumination intensity level in 5 steps. A delayed press on the 'SET' knob for a selected intensity will confirm it.

⚠ WARNING

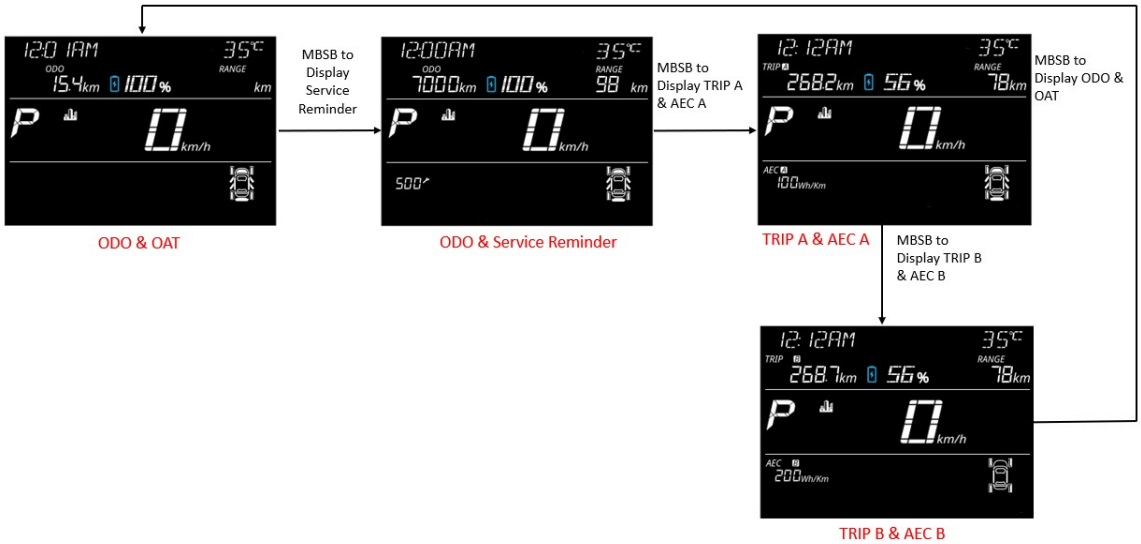
The Clock and Instrument Cluster Illumination settings must done only when the vehicle is in stationary condition for safety purpose.

Driver Information Settings

Option- I

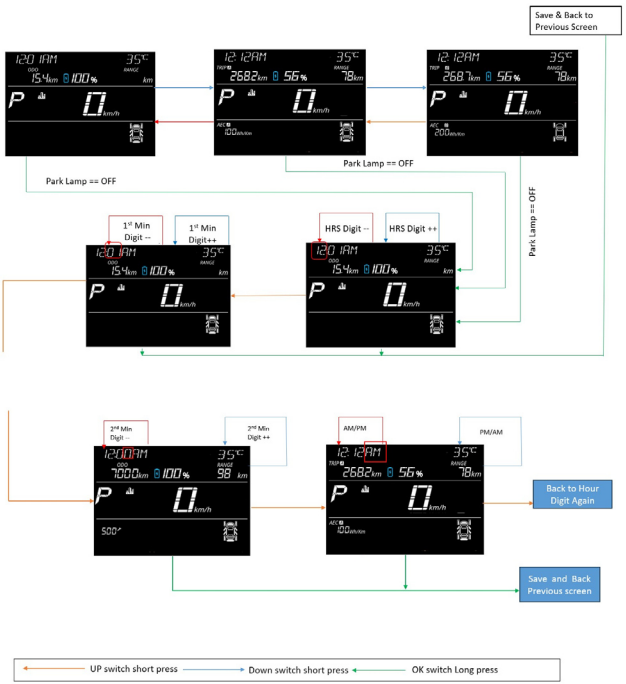


Option-II

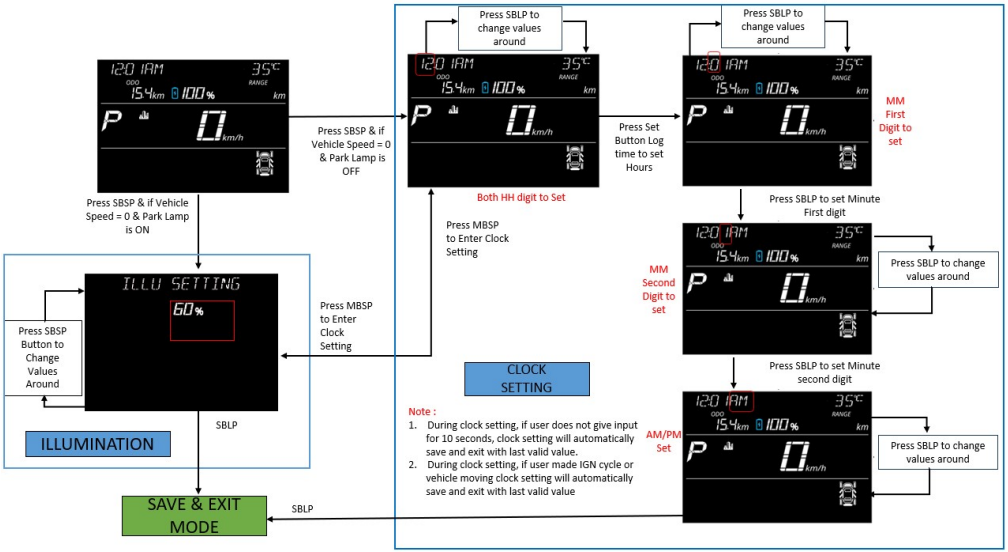

12:0 1AM
35°C
ODO
15.4km
100%
km
RANGE
P
0
km/h
MBSB to Display Service Reminder
12:00AM
35°C
ODO
7000km
100%
RANGE
98 km
P
0
km/h
500
MBSB to Display TRIP A & AEC A
12: 12AM
35°C
TRIP A
268.2km
56%
RANGE
78km
P
0
km/h
AEC A
100Wh/Km
MBSB to Display ODO & OAT
ODO & OAT
ODO & Service Reminder
TRIP A & AEC A
MBSB to Display TRIP B & AEC B
12: 12AM
35°C
TRIP B
268.7km
56%
RANGE
78km
P
0
km/h
AEC B
200Wh/Km
TRIP B & AEC B

Clock And Illumination Setting

Option- I



Option-II



Note:

1. SBSP – Set Button Short Press
2. MBSP – Mode Button Short Press
3. SBLP – Set Button Long Press

WARNING LAMPS

Warnings Lamps	Color	Indicator	Remarks
Turn Signal	Green		Indicates direction indicated by the turn signal. Blinks along with buzzer while operating left/right turn indicator only when ignition is switched ‘ON’.
High Beam	Blue		Illuminates when the high beam headlamps are switched ‘ON’ or flashed.
Immobilizer	Red		1. Illuminates when the system disables vehicle, start if the original key is not used. 2. Lamp blinks: Vehicle is in immobilized condition when key is not engaged. 3. Lamp ON: Problem with key/system. Contact TATA MOTORS EV Authorised EV Service Centre. 4. Lamp OFF: Normal condition (Authenticated user) and engine shall start.
LV Battery Charging	Red		This symbol indicated Low Voltage Level of Auxiliary (12V) battery System & lights up when the ‘IGN’ is turned ‘ON’ for 4 Sec & goes OFF after Power electronics and Drive unit start. It will continuously illuminate when there is malfunction of charging system. Contact TATA MOTORS EV Authorised EV Service Centre.
EPAS	Amber		Illuminates momentarily when ignition is switched ‘ON’. Illuminates when there is a fault in the EPAS. Contact TATA MOTORS EV Authorised EV Service Centre immediately.

Warnings Lamps	Color	Indicator	Remarks
Park Brake / Brake Fluid Low	Red		Illuminates momentarily when ignition is switched 'ON'. Once parking brake is released, it turns 'OFF'. If it remains 'ON', it indicates 1. Brake fluid level is low 2. Park brake is applied & turns 'OFF' when it is released
Driver Seat belt indicator	Red		The driver seatbelt warning indicator comes ON for 4 seconds, when ignition is turned ON The warning lamp remains ON as long as the driver seatbelt is fastened. If the seatbelt remains unbuckled and vehicle goes 15 Kmph then final warning audio chime will start flashing along with audio alarm during Final Warning. **Note:** Once the seatbelt is fastened the buzzer and warning lamp goes OFF.
Airbag status	Red		Illuminates when ignition is switched 'ON' and goes 'OFF' in approx. 4 seconds. If it continuously illuminates or blinks then contact the TATA MOTORS EV Authorised Service Centre immediately.
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 controlled turned ON/OFF by receiving the charging input signal. This Telltale is ON during charging.

Warnings Lamps	Color	Indicator	Remarks
Key not detected	Amber		This symbol lights up when the Valid UID (User Identification Device) is not detected inside the vehicle.
AC ON/OFF	Blue		Illuminates momentarily when ignition is switched 'ON'. This indication will 'ON' when the FATC is turned 'ON'& will remain 'OFF' when the FATC is turned off.
Front Passenger Seat belt indicator	Red		The co-driver seatbelt warning indicator comes ON for 4 seconds, when ignition is turned ON The warning lamp remains ON as long as the co-driver seatbelt is fastened. If the seatbelt remains unbuckled and vehicle goes 15 Kmph then final warning audio chime will start and continue for 90 seconds. **Note:** Once the seatbelt is fastened the buzzer and warning lamp goes OFF.
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'.
Motor High Temperature telltale	Red		This features provides traction motor high temperature status to user. This telltale 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.

Warnings Lamps	Color	Indicator	Remarks
Speed limit warning indicator	Amber		Speed Limit warning indicator comes 'ON' for a few moments, when ignition is turned 'ON'. When Vehicle Speed cross 80 kmph then Speed Limit Warning Indicator will turn ON along with audio warning every two minutes. If Vehicle Speed crosses 120 kmph then along with Speed Limit Warning Indicator, audio warning will remain on until the vehicle speed is above 120 kmph. Once Vehicle Speed comes below 120 kmph 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.
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. These telltale turns ON to indicate the user, EV system with limited performance mode is getting activated to caution user to take necessary safety measure.
HV Critical Telltale	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 TATA MOTORS EV Authorised Service Centre.

Warnings Lamps	Color	Indicator	Remarks
Press Brake	Amber		Press Brake Telltale is used to indicate 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.
Charger Connected	Blue		This feature provides HV (High voltage) battery charger connection status. The Telltale comes ON when charger is connected. The lamp comes ON for 4 sec when the IGN is turned ON.
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 MOTORS EV Authorised EV Service Centre.
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 telltale shall be controlled turned ON/OFF by receiving the SoC input when the SoC level is low telltale will turn ON to indicate charging system battery 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 controlled turned ON/OFF by

Warnings Lamps	Color	Indicator	Remarks
			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 TATA MOTORS Authorized EV Service Centre.
iTPMS	Amber		iTPMS warning indicator comes 'ON' for 4 seconds, when ignition is turned 'ON'. Then it will turn OFF, It remains for 4 seconds when any tire pressure is high / Low in vehicle tires. iTPMS warning indicator will blink for 10 sec along with audio for error.
Rear Seat Belt Indicator	Red		If Rear Passenger (Right / Middle / Left) is present and its seat belt is not buckled and IGN is ON then Telltale will be ON as initial warning with No audio chime. If Rear Passenger (Right / Middle / Left) seat belt remains unbuckled and vehicle speed goes above 15 km/ hr, Then Seat belt telltale will also start flashing along with audio alarm during Final Warning. Note: Buckle the Rear Passenger (Right / Middle / Left) seat belt to stop Audible warning and telltale OFF.
ESP Warning Lamp (if equipped)	Amber		When ignition is turned 'ON', this symbol comes 'ON' for 4 seconds and goes 'OFF'. It shall be 'ON', when there is a failure in the ESP/TCS system and it shall blink when Intervention by ESP/ TCS system is active. Caution: When ESP/TCS warning shall remain 'ON' if failure detected in the system, Get the problem attended to at TATA MOTORS EV Authorised Service Centre. This Telltale informs driver about selection of City mode.

Warnings Lamps	Color	Indicator	Remarks
HDC ON Lamp	Green		When ignition is turned ‘ON’, this symbol comes ‘ON’ for 4 seconds and goes ‘OFF’. This symbol comes on when the HDC function is activated in the vehicle.
HDC Warning Lamp	Amber		When ignition is turned ‘ON’, this symbol comes ‘ON’ for 4 seconds and goes ‘OFF’. This symbol comes up when problem in the ESP/TCS system for HDC function, Get the problem attended to at TATA MOTORS EV Authorised Service Centre.
Cruise Control	Green		The Cruise Control is used to indicate the status of cruise control system to the driver. Lamp ON indicates cruise control feature is present and it is activated.
City	White		This Telltale informs driver about selection of City mode.
Sport	Red		This Telltale informs driver about selection of Sport mode.
HHC Warning Lamp	Amber		When ignition is turned ‘ON’, this symbol comes ‘ON’ for 4 seconds and goes ‘OFF’. This symbol comes up when problem in the ESP/TCS system for HHC function, Get the problem attended to at TATA MOTORS EV Authorised Service Centre.

AUDIO REMINDERS (if equipped)

Parking Lamp 'ON' Reminder

If you forget to turn OFF the park lamp, an audio warning will be started. Switched OFF the park lamps to stop the warning.

ⓘ NOTE

Do not forget to turn OFF your park lamp as it may drain the vehicle's battery.

Parking Brake 'ON' Reminder

If Park Brake is applied and vehicle is driven, telltale will turn ON and buzzer provides audible warning if vehicle speed is above 5 km / hrs continuously.

ⓘ NOTE

Disengage the park brake to stop audible warning.

Driver Seat Belt Reminder

If seatbelt is not fastened and vehicle goes above 15 kmph, then final audio warning will go more than 93 seconds. Seat belt telltale light will remain continuously ON when audio alarm is active.

Front Passenger Seat Belt Reminder

If front passenger has not fastened seatbelt and if vehicle speed goes above 15kmph, then final audio warning will go more than 93 seconds. Seat belt telltale light will remain continuously ON when audio alarm is active.

ⓘ NOTE

Fasten the seatbelt to stop audio warning.

Steering Wheel Locked Chime

If steering wheel is locked in the vehicle, then sound warning will be given to alert user.

Turn Indication Hazard Warning ON

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

Speed Limit Chime

If speed goes above defined threshold (120kmph) Buzzer will sound to alert user, chime sounds continuously till the speed comes down to the normal limit(<80kmph).

High Temperature Alert for Battery

When maximum battery cell temperature crosses the limit specified, buzzer will starts along with the battery high temperature TT blinking to indicate the user to contact service center.

TT and buzzer will be in sync continuously till the state remains TRUE.

High Temperature Alert for Motor

When machine and inverter temperature crosses the max limit from the BMS, buzzer will starts along with the motor high temperature TT blinking to indicate the user to contact service center.

TT and buzzer will be in sync continuously till the state remains TRUE.

Low Battery Charging Chime

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

TT and buzzer will be in sync continuously till the state remains TRUE.

EV Limp Home Mode

When SoC percentage crosses the limit then TT will get activated to indicate EV system with limited performance so that user shall take the necessary safety actions. During which, buzzer will start along with the TT blinking to indicate the user to contact service center. TT and buzzer will be in sync continuously till the state remains TRUE.

Gear Shift Denied Chime

When Gear Shift denied triggers to user, then sound warning will be given to alert user.

Hand Park Brake ON Reminder at Ignition OFF

When Ignition is made OFF and Hand Brake is not applied with Drive Door Open then buzzer will provides audible warning to alert user.

ⓘ NOTE

Engage the park brake to stop Audible warning.

Key Fob Battery Low Chime

When battery of vehicle key fob is low, then sound warning will be given to alert user.

PEPS Key not Detected Chime

If PEPS key is not detected in the vehicle, then sound warning will be given to alert user.

Gear Indication

If gear changes, buzzer shall sound for every iterations.

Gear Indication buzzer is the one time buzzer to give information about the GSS current mode position.

Charging ON Park Brake OFF Chime

When charger is connected & Park brake is disengaged, then sound warning will be given to alert User.

HV Critical Fault Chime

When vehicle high voltage system critical alert happens, then sound warning will be given to alert the user.

iTPMS Chime

If iTPMS alert condition occurs, iTPMS chimes shall sound for 4 sec.

Rear Passenger Seat Belt reminder

If Rear Passenger (Rear Right / Middle / Left) is present and its seat belt is not buckled and IGN is ON then Telltale will be ON as initial warning with No audio chime.

If Rear Passenger (Rear Right / Middle / Left) seat belt remains unbuckled and vehicle speed goes above 15 km/hr, Then Final Warning will start with Audio Chime and it will be continued for 35 seconds. Rear Passenger Seat belt telltale will also start flashing along with audio alarm during Final Warning.

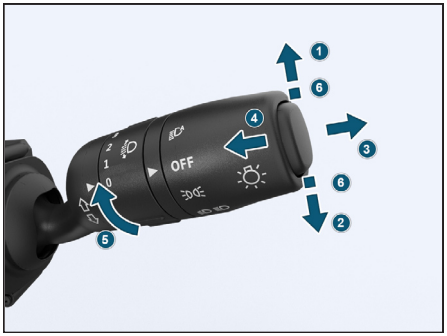
ⓘ NOTE

Buckle the Respective Passenger (Rear Right / Middle / Left) seat belt to stop audible warning

Slow Charge Chime

Slow Charge chime comes ‘ON’ for 4 seconds when mandatorily slow charged till SoC is 100% request from VCU ECU. This chime is ON along with Text Message.

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

OFF Position

All lamps will remain 'OFF'.

Parking Lamp

Rotate stalk to turn 'ON' the Parking lamps.

Low Beam

Rotate stalk to turn 'ON' the low beam function.

Auto Light (if equipped)

The headlights will be automatically switched

ON. Depending on ambient light conditions (while entering a tunnel or when it is twilight).

Lane Change Signal

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

Day Time Running Lamps

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

1. To activate and deactivate DRL, keep the ignition switch is 'ON' position and switch the parking lamp ON-OFF twice.
2. Activation and Deactivation of DRL can be done by DRL soft switch, which is available on the Infotainment Display.

Head Lamp Levelling 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, when the vehicle is stationary. Depending on 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 three level positions.

COMBI SWITCH (LH STALK)

'OFF' Position

The wiper is switched 'OFF'.

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 five delay timers. Push the stalk towards position (1) for single wipe.

Slow Wipe

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

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.

Front Windshield Washer

- Pull the lever little longer, to spray the washer fluid on the windshield.
- The windshield wipers will operate for three cycles after the lever is released and for one more cycle after five seconds.

Rear Wash and Wipe

Rear Windshield / Wiper and Washer (spring return)

Turn the rotary knob clockwise and release to operate rear windshield wash and wipe. The windshield wipers will operate for three 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 will not work as long as tail gate is open.

Rear Windshield / Wiper and Washer Switch

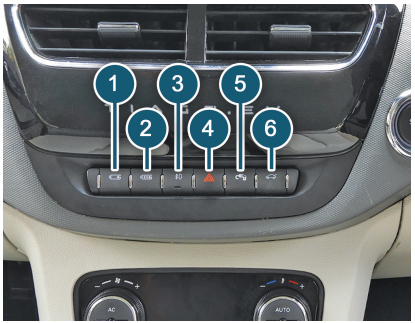
Turn the rotary knob counter clockwise such that it aligns its positions with the arrow mark and hold it to operate rear windshield wash and wipe function. It will return to 'Rear wipe' position as soon as it is released and continues to wipe.

⚠ WARNING

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

DASHBOARD CONTROLS

Option 1



1. Regen Switch-level down
2. Regen Switch-level up
3. Front fog lamp
4. Hazard warning switch
5. Charger gun lock unlock
6. Tail gate opening

Option 2

1. Charger gun lock unlock
2. Centre door lock-unlock

Option 3

1. Charger gun lock unlock

Regen Switch-level Up And Down (if equipped)

Regen Switch - Level up

Regen Switch - Level down

- During decelerating or braking condition of vehicle, regeneration converts the available kinetic energy to electrical energy which charges the High Voltage battery.
- Regeneration level for the vehicle can be controlled manually or can be turned off.
- Level down switch can be used to reduce the regeneration level (3 to 2 to 1 to OFF).
- Level up switch can be used to increase the regeneration levels (OFF to 1 to 2 to 3).
- Default regeneration level on vehicle when vehicle is cranked will be Level1.
- Regeneration will be reduced automatically when the high voltage battery is fully charged to prevent over-charging.
- During coasting as the vehicle decelerates, the rear brake lamp will turn

ON in a manner similar to when brake pedal is pressed. This is to alert the vehicles behind you that

Charger Gun Lock Unlock

Charging socket inlet is located at Rear LH side of vehicle in fuel flop. It is mandatory that the charging gun should be locked with CCS 2 inlet during the charging process. Charging gun unlock switch is used to unlock the actuator present in CCS type 2 inlet to allow charging cable to be taken out.

ⓘ NOTE

Make sure both AC slow charging & DC fast charging is De-energised / off state.

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.

Front Fog Lamp (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'.

Tail Gate Opening (if equipped)

To unlatch the tail gate, press the switch located on fascia switch.

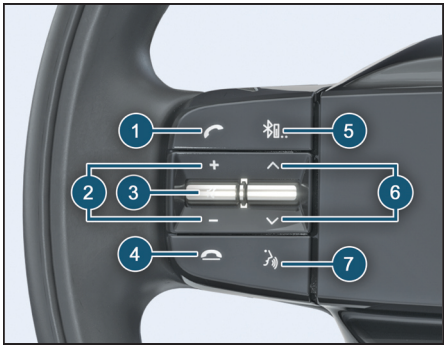
Hazard Warning Switch

To open the door, press the switch located on the fascia switch.

Centre door lock-unlock (if equipped)

To open the door, press the switch located on the fascia switch.

STEERING MOUNTED CONTROLS (LHS)



1. Receive Calls/PTT (push to talk)

Press above switch to accept incoming call when a cell phone is connected via Bluetooth.

Voice Recognition

To start, 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 displays the Voice Recognition screen on Infotainment to indicate activation of the feature.

Voice Recognition only works when Android Auto, Apple Car Play is connected.

ⓘ 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.

ⓘ NOTE

For more information related to steering mounted controls, refer the infotainment manual.
((Refer link - http://service.tatamotors.com

2. Volume

Press above switch to increase or decrease volume of music system / radio.

3. Mute

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

4. Phone Reject

Press the switch to reject or hang up a phone call.

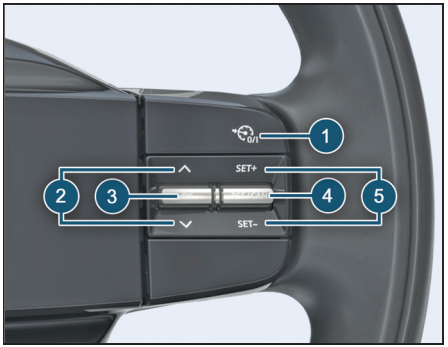
5. Source

Press above switch to select the required source in the infotainment system i.e. USB, AM, FM and Bluetooth.

6. Seek Forward / Backward

Press above switch to change radio channels or move between media tracks.

STEERING MOUNTED CONTROLS (RHS)



ⓘ NOTE

For more information on steering wheel switches refer Infotainment manual.

1. Cruise Control On/off

Press the switch to turn ON/OFF the cruise function.

2. Page Up/down

If cluster screen is selected, with Up/Down switch you can access the sub-menu screens of a main menu.

3. Selection (ok)

Push the OK button to access/select the sub menu screens of a main menu item.

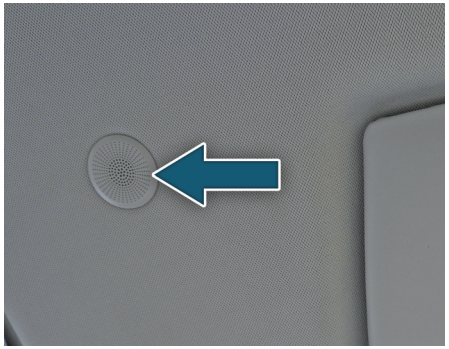
4. Res / Can

To resume a previously set speed, push the RES button and release. This switch is also used to cancel /deactivate (CAN) cruise control system without erasing the set speed from memory.

5. Set+/ Set-

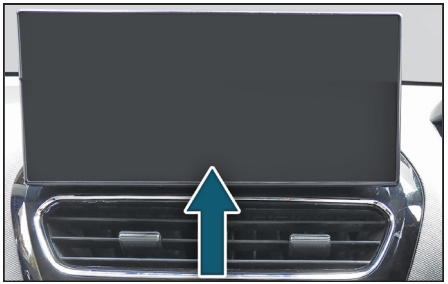
Accelerate the vehicle to the desired speed, Press the SET + to select the required cruise speed. When the cruise control is set, you can increase or decrease the speed by pushing SET+/ SET- buttons respectively.

MIC (if equipped)



Mic is provided between the driver and co-driver sun visors on roof.

INFOTAINMENT SYSTEM DISPLAY (if equipped)



Force/master Reset System

If your infotainment system touch screen becomes unresponsive or shows some unusual behavior, then you can restart it to potentially resolve the issue. Follow some basic steps given below and you can restart the system.

To restart the Infotainment System:

1. Park the vehicle.
2. Hold the Steering wheel Mute button (long press) for more than 10 secs and then release the button as soon as the display goes blank.
3. The step above will trigger the infotainment system restart procedure. Wait until the system restarts.
4. When you hold the Steering wheel Mute button for more than 15 sec, system aborts restart process and display turns ON.

ⓘ NOTE

- *It is preferable to do one Ignition OFF to ON cycle after Master/Force reset to synchronize vehicle settings with the TATA Infotainment System.*
- *If the reboot does not work or Master/Force resets are required on a weekly or daily basis, vehicle shall be taken to dealership. There, the dealer can update your firmware or inspect the system for hardware problem.*
- *Force/Master reset keeps are the stored data, such as call history, text message information, and previously paired phones as it is.*

HORN

Horn is located on steering wheel. Use it whenever required.

⚠ WARNING

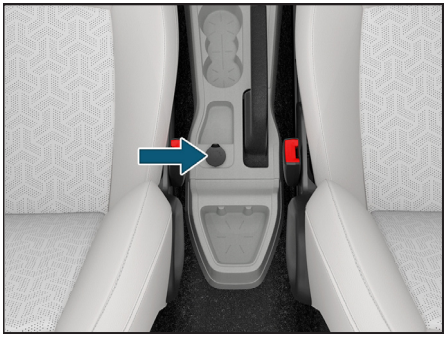
Check out for No Horn zone, where use of horn is prohibited.

USB PORT (if equipped)

Connect your pen drives to this socket for playing music tracks through the vehicle's music system.

POWER SOCKET

Power Socket Front



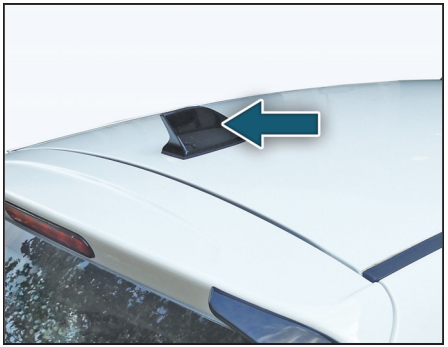
Power Socket Rear (if equipped)

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

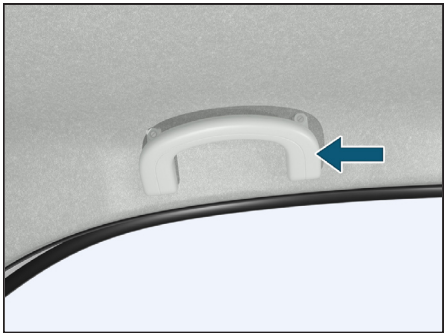
- *Use of unapproved electrical accessories can cause damage to your vehicle's electrical system.*
- *Make sure that any electrical accessories you use are designed to plug into this type of socket and rating.*

ANTENNA



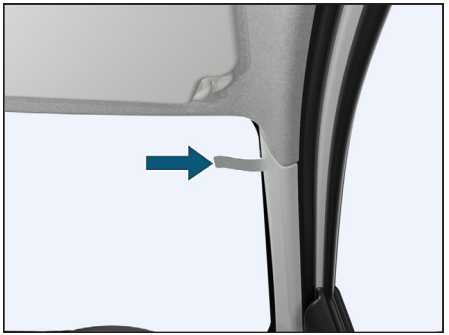
Shark FIN antenna is provided on the roof at rear end.

ROOF GRAB HANDLE



Grab handles are installed on the roof for all seats except for the driver's seat. These help the passengers to position themselves comfortably during the journey.

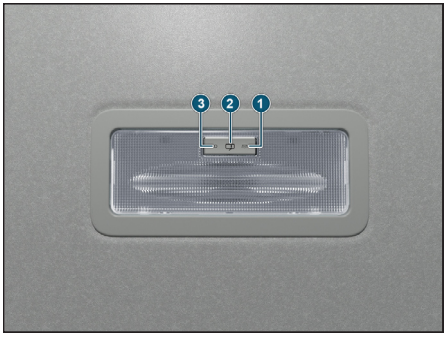
CARD HOLDER (ifequipped)



Tag holder is provided near the front windshield for ease of displaying toll, parking tickets, ID's, passes, labels etc.

ROOF LAMP

Interior roof lighting lamp is provided on the roof within built switch.



The switch has three positions:

ON

The lamp will turn ‘ON’ as long as the switch is in this position.

DOOR

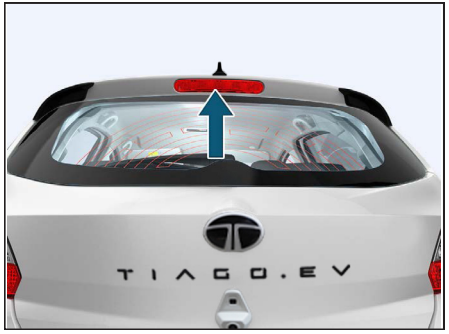
In this position the lamp turns to ‘ON’ when either of the doors are opened. When the last door is closed, the lamp will turn ‘OFF’ with dimming.

This helps settling in the seat and inserting the key in the ignition switch. When the key is turned to the ‘IGN’ position, the lamp goes ‘OFF’ immediately.

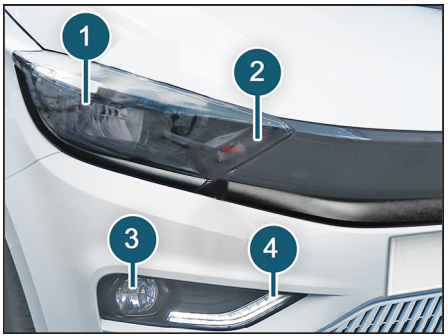
OFF

In this position, the lamp will remain ‘OFF’.

HIGH MOUNTED STOP LAMP



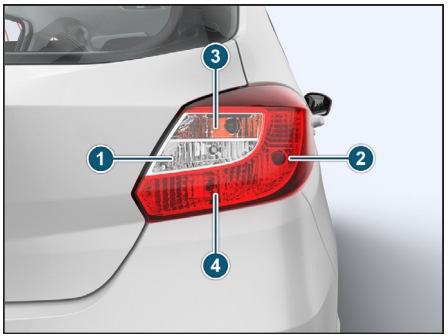
HEAD LAMP



Head lamp consist of:

1. High beam
2. Indicator lamp
3. Front fog lamp (if equipped)
4. DRL (if equipped)

TAIL LAMP



Tail lamp consist of:

1. Reverse lamp (on LH lamp only)
2. Stop / Position lamp
3. Turn indicator
4. Parking lamp

CONNECTED VEHICLE PROGRAM (CVP) (if equipped)

Car is equipped with Connected Vehicle Technology which offers a host of features to the users through the “Tata Motors 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 details & list of features, please refer the connected car brochure provided to you along with this manual).

The Connected Car module records the following information:

Vehicle Telemetry

This includes the periodic transmission of data from other vehicle ECUs & Electronic systems like EV Controller, Battery Controller, ABS etc. and also the geographical location of the vehicle.

Vehicle driving behavior

This includes the location, speed, acceleration, trip details, charging etc.

Event based recording

This includes data generated during specific events like vehicle collision, intrusion, unauthorized entry etc.

The Data collected through Connected Car module is used by TATA Passenger Electric Mobility Limited for various purposes, including, but not limited to,

1. Providing Connected Car features through Mobile APP.
2. Evaluation of Vehicle performance.
3. Research & improvement of current & future vehicle designs.
4. Troubleshooting & diagnostics of the vehicle.

Tata Motors does not disclose the data recorded from your vehicle to any third party except:

- After obtaining a written consent from the Car Owner.
- Upon request from Law enforcing agencies and regulatory bodies.
- Used for research purpose without the Personal Verifiable information (anonymized).
- Used as defence of Tata Motors in a Law-suit.

iNDIRECT TIRE PRESSURE MONITORING SYSTEM (if equipped)

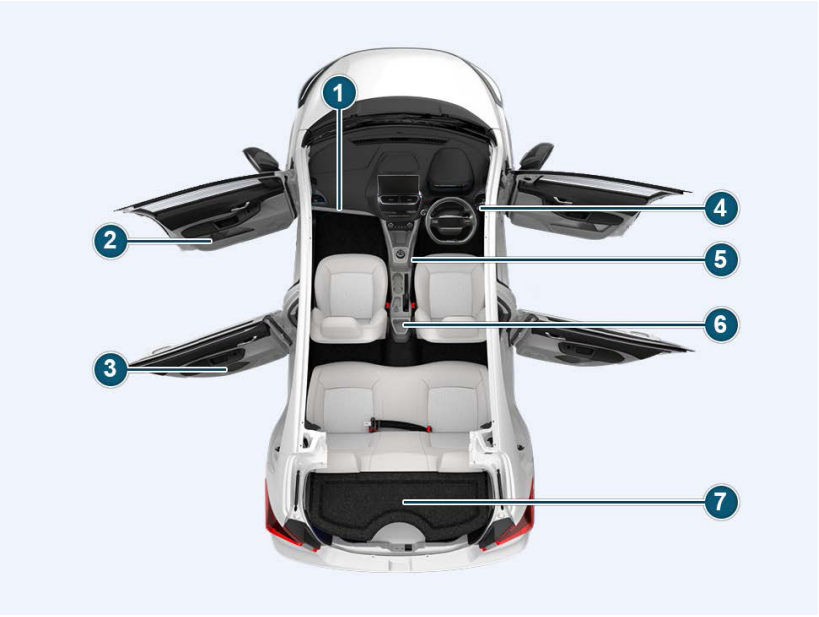
Audible warning for 4 second will be given to alert the user, if

- Tyre Pressure is low
- Tyre Pressure is high
- Tyre temperature is high
- Tyre air pressure leakage

Also Audible warning for 10 second will be given to alert the user, if

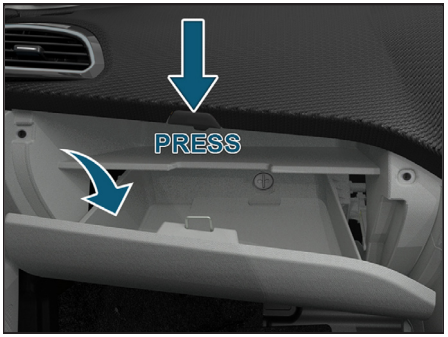
- iTPMS system has fault
- iTPMS Sensor fault or missing

STORAGE COMPARTMENT



1. Glove box
2. Utility pockets on front door
3. Utility pockets on rear door
4. Driver side pocket
5. Center console
6. Stowage for rear passenger
7. Tailgate compartment

Glove Box



Opening and Closing

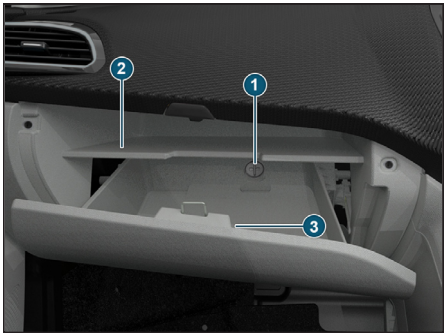
To open - Press the knob and open the glove box flap.

To close - Lift glove box flap upward until it engages.

ⓘ NOTE

Make sure that glove box flap is closed while driving.

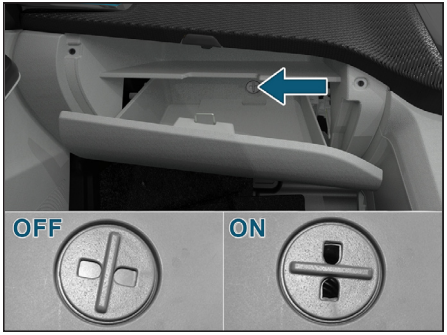
Stowage Details



Following items can be stowage in glove box.

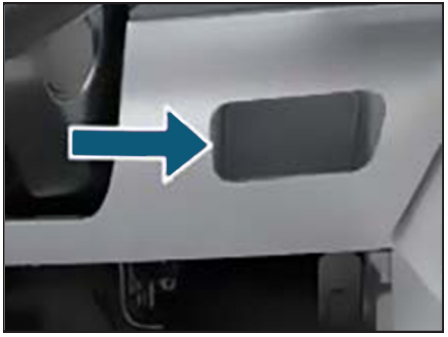
1. Vent - Chiller glove box (If applicable)
2. Laptop holder
3. Pen / Visiting card holder

Cooling Facility (if equipped)



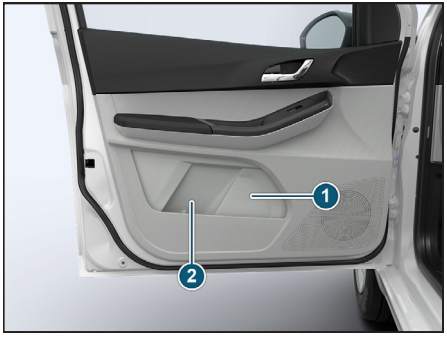
On selected models glove box is provided with a cooling facility. It cools the glove box only when the front A/C is ON. Shut OFF the vent by rotating the knob, whenever cooling is not required.

Driver Side Coin Box



Stowage is provided on RH side of steering wheel for Coin, mobile and wallet.

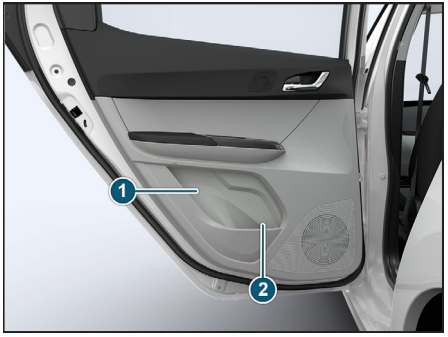
Utility Pockets on Front Doors



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

1. Suitable water bottle
2. Magazine / paper / books

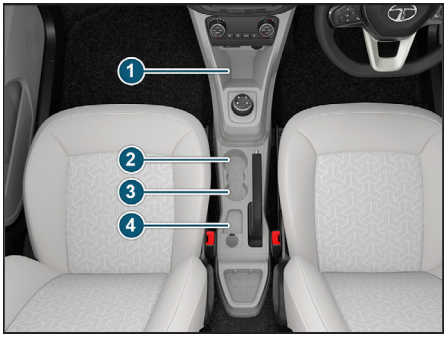
Utility Pockets on Rear Doors



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

1. Magazine / paper / books
2. Suitable water bottle

Center Console



1. **Stowage compartment**

Stowage compartment provided for keeping cell phones, iPod's, chargers etc.

2. **Cup Holder**
3. **Bottle holder**
4. **Coin storage**

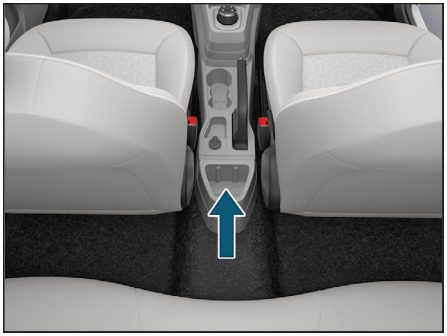
Foldable Arm Rest (if equipped)

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.*

Stowage for Rear Passenger (if available)



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

ⓘ NOTE

Applicable for models where rear vents is not provided.

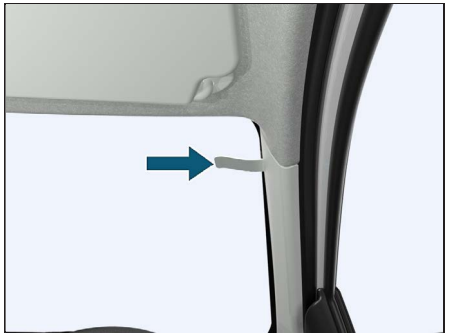
Tail Gate Compartment

Store the luggage in tailgate compartment.

⚠ WARNING

- Distribute the items of luggage as evenly as possible.
- 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.
- Do not allow occupants to travel in the luggage compartment.
- Position heavy loads towards rear seat and low down in the trunk as possible.

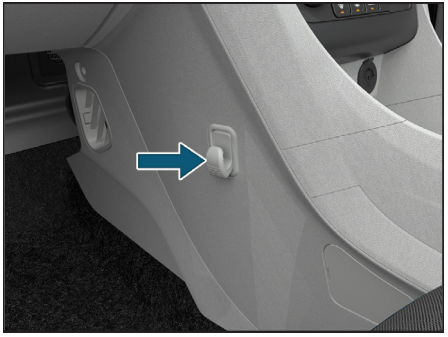
CARD HOLDER



A pocket is provided on the back of the driver side sun visor to keep cards, papers, etc.

HOOKS (if equipped)

Collapsible Hook



Collapsible hook is provided for hanging small carry bags etc.

ⓘ NOTE

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

AIR DISTRIBUTION

The HVAC is operational when car is running and blower is 'ON'. The Climate control regulates the temperature in the car interior and filters dust particles. You can manually set the desired temperature.

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

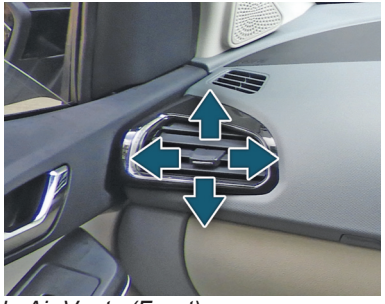
ⓘ NOTE

If your car battery is discharge below 10%, your vehicle AC & heater will be automatically turned OFF, which is usual.

AIR VENTS

Air vents are available on the dashboard. The direction of air flow can be adjusted using sliders on the respective vents.

Centre Air Vents (Front)



Side Air Vents (Front)

ⓘ 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 under-side 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 main tain optimum performance.*
- *To get faster heating, it is recommended to set 4- 5°C higher set temperature than ambient temperature.*
- *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.*

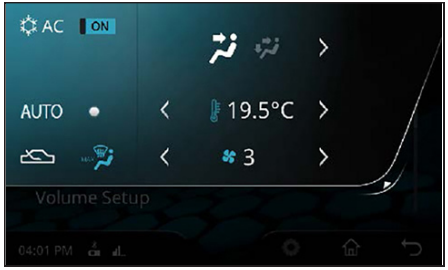
FULLY AUTOMATIC TEMPERATURE CONTROL (FATC)

General Description

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. Maximum Defrost
4. Rear window demister
5. Fresh Air / Recirculation button
6. Air Distribution (mode) button
7. OFF button
8. Auto ON selection button
9. Temperature control knob
10. Xpress cooling

Display Unit

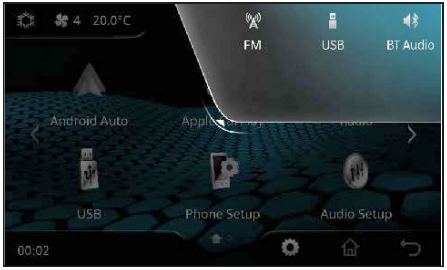


FATC display is shown on main display screen.

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

Whenever the user tap the FATC drawer, its expands & displays different climate control setting options like Temperature ,blower speed etc. and so on used for managing the climate control.

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



FATC Controls

AC ON / OFF Button

Press the AC compressor ON/OFF button to turn the air conditioning ON or OFF. The AC icon shall be activated on the display when the AC is ON.

Blower Speed Control Button

Rotate the knob clockwise to increase & anti-clockwise to decrease the blower speed.

Max Defrost Button

- This button directs the main airflow towards w for faster de- frosting. (It also overrides all modes).
- When you turn off the button, the system returns to its previous settings.

ⓘ NOTE

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

Rear Window Demister Button

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

- When the recirculation button is switched ‘ON’, air from the vehicle’s interior is sent throughout the system.
- 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 climate control systems are at the base of wind screen. 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.

ⓘ NOTE

When reverse gear is selected, air inlet may switch to recirculation mode if it is in fresh air mode, to prevent exhaust fumes from entering the cabin.

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.

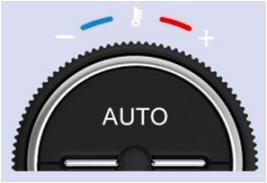
Each time you press the MODE button, the display shows the mode selected.

	Directs air through the center and side air vents
	Directs air through the center, side and foot well vents
	Directs air through the foot air vents
	Directs air through the defroster & foot vents
	Directs air through the defroster vents

“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 (Lo) or its upper limit (Hi), the system runs at full cooling or heating only. It does not regulate the interior temperature.

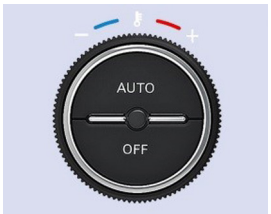
ⓘ NOTE

In 'AUTO' mode, the FATC system will regulate the blower speed automatically.

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.

FATC Sensors

FATC system is fitted with three sensors

1. A solar sensor on the top of the dashboard.

2. In-car sensor on HVAC control panel.

3. Outside Ambient Temperature (OAT) sensor located under the front bumper grill.

ⓘ NOTE

- *Do not cover or spill any liquid on sensors.*
- *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 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.
Also air conditioner's performance may be degraded during summer due to operation of the cooling system for the high voltage battery.

⚠ 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

Quick Cooling

If your vehicle is parked under the sun, you can cool it down fast by following the steps given below:

1. Start the vehicle.
2. Turn the A/C on and make sure the temperature control is set to the lowest. In case of FATC set temperature to ‘Low’ mode.
3. Slightly open the windows and direct the vents towards the face.
4. When the interior has cooled down to a comfortable level, close the windows and set the required temperature, with recirculation ON.

ⓘ NOTE

For refrigerant specification watch sticker mention under bonnet

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.
- TATA Motors does not recommend use of any floor mats below driver foot, from occupant safety point of view. If floor mats are used by end user, for different reasons, they need to be secured in place with the provided floor carpet clips. This is recommended, as in normal driving conditions, floor mats may slip forward and interfere with pedals.

- 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 increase 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.

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 feature 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. It 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 High voltage battery and extend driving range.

- The electric motor when decelerating and braking 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.
- While driving, 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 regular ICE engine vehicle.
- Less deceleration is provided by the regenerative brake system when the High voltage 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 TIAGO 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%	If the vehicle is in Sport mode, it will automatically shift to Drive mode which will be shown on cluster	No change	No change	29%	No change
SoC <=10%	Then SoC Gauge 1st Bar ON with single chime and low charge, Limp Home Tell-tale will be ON & " RECHAGE" will display	50 kmph	Reduced	18%	No cooling
SoC <=5%	SoC Gauge 1st Bar will Blink along with Low Charger tell-tale with continuous chime	50 kmph	Reduced	18%	No cooling

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 EV

- Make sure that the area around the vehicle is clear.
- Do a check of the fluid levels - coolant, brake fluid, and windshield 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 EV

1. With the smart key sit in the driver’s seat/Engage the key in the lock set.
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 or turning the key to on position.
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 ro-

tate 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 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 or turn the key to OFF position 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 range of an electric vehicle is distance which the vehicle can travel with full depletion of battery, i.e. from 100% to 0% of battery charge. This depends on multiple factors such as vehicle speed, driving pattern, ambient temperature, road conditions, auxiliary loads, air conditioning etc.

For calculating the range of electric car, depletion should be more than 30%.

Tiago.ev is certified for range 250 to 315 kms as per variants.

However, in real world condition, the factors mentioned above may deviate from the standard test conditions resulting in a different range value as compared to the certified value.

The estimated Range, in Instrument clus-

ter, computed basis a predictive model that analyzes the current and historical drive segments of the vehicle. The model attaches suitable weightages to the energy consumption in these drive segments to arrive at a weighted energy consumption rate which when equated against the balance energy in the battery, gives the Distance to Empty value. The Model also takes into account the driving speeds, driving modes and the operating points of the vehicle.

The estimated Range is responsive to the changes in the energy consumption rate to ensure a realistic representation of the positive or negative effect the driving pattern has on the driving range.

Tips to Maximize Range

1. Regenerative Braking

Regenerative braking typically happens when Tiago EV car decelerates with gear engaged. Deceleration happens when the accelerator pedal is disengaged. You may choose to apply brake for deceleration as well. While the regenerative power increases with brake application, regeneration is most efficient when the car is decelerated in coasting mode, i.e. when foot brake is not applied.

2. Interior Climate

Heating and Air conditioning system uses energy from the high voltage battery and this reduces range. For maximizing range during air-conditioning on driving, it is recommended to set the air conditioning in Auto mode with Econ activated. Also the set temperature should be set between 24-26 deg C. Tiago EV is equipped with Remote Air conditioning. You can remotely start Air Conditioning system. However, this also consumes energy from the high voltage battery and reduces the driving range.

3. Driving Speeds

At high speeds, greater than 80 kmph, high amount of energy is spent in propelling the vehicle and hence reduces range. Similarly, idling for long duration also reduces range significantly.

4. Driving Style

Driving behavior has a significant influence on the driving range of an electric vehicle. Frequent and heavy accelerations will have a detrimental impact on car's driving range whereas travelling at a steady pace, in between 40-80 km/hr will help an electric car to maximize range. Predictive driving with gradual acceleration reduces your reliance on hard braking. This helps conserve energy during acceleration and regenerate optimally during deceleration. However, brake should be applied as necessary to avoid hazards to occupants and surrounding.

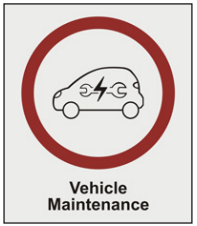
5. Tyre Pressure

Maintaining specified Tyre pressure only ensures comfortable ride comfort but also maximizes range by minimizing rolling losses of the vehicle. It is advisable to regularly monitor and maintain the tyre pressure within specified limits.

6. Unauthorized Electrical Accessories

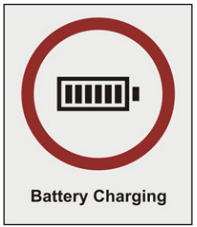
Unauthorized aftermarket electrical accessories can potentially consume higher energy than factory fitted ones and may affect range directly. They can also lead to functional complications and lower component life in the long run. It is recommended to fit only TATA Genuine Accessories at Authorized EV Service stations.

7. Vehicle Maintenance



Vehicle to be serviced regularly as per service schedule in authorized service stations. It helps in maximizing vehicle performance and component life.

8. Battery Charging



For every 4 consecutive fast charges, 1 complete slow charge is recommended (<20% to 100% SoC) to ensure consistent performance and better health of the high voltage battery. This improves charge balancing during charging and deliver better driving range.

9. Dead Weight

Dead weight like bags, boxes etc. which is not required should be removed from the car. This lowers the energy required to propel the vehicle and improves driving range.

Different Modes in 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 High voltage 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 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.
- 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, rein-

sertion 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 temperatures 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 applicable)
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 / Backward Adjustment

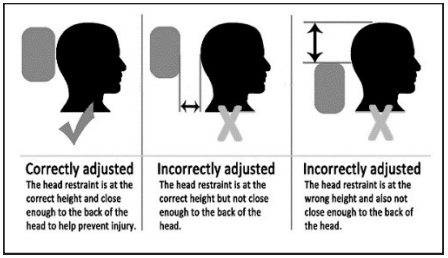
Lift lever (3) and slide the seat forwards or rearwards. Release lever and make sure that seat is securely latched.

ⓘ NOTE

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

Adjustable Head Restraint (if equipped)

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 risk 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.

ⓘ NOTE

Head restraint integrated with seats are not adjustable.

Occupant Detection System (ODS)

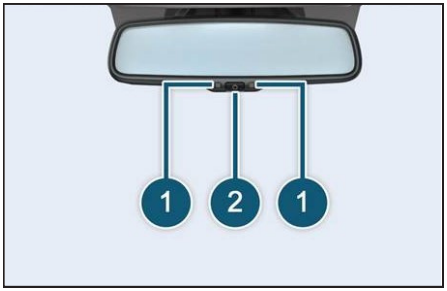
Use of aftermarket cover over the seats may impact the performance of ODS in front passenger seat.

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.

Automatic Dimming IRVM (if equipped)



1. Photocell Sensors
2. ON/OFF button

Automatic dimming rear view mirror automatically controls the glare from the headlights of the car behind you in night time or low light driving conditions. Press ON/OFF button to turn ON the automatic dimming function.

The LED indicator on the IRVM shows the active status of auto dimming function. The auto dimming IRVM is defaults to the ON position whenever the ignition switch is turned ON and it is switched OFF whenever reverse gear is engaged.

ⓘ NOTE

For proper operation, keep the photocell sensors clean and do not cover the area between the IRVM and the windshield.

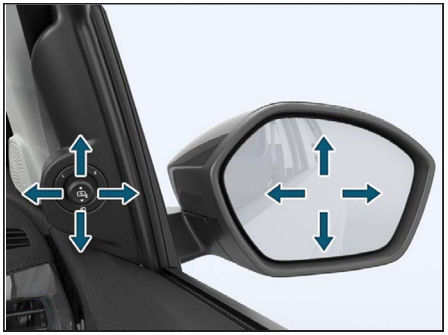
Outer Rear View Mirrors

You can adjust the outer rear view mirrors manually with the knob located on the driver's and front passenger's door panel. Adjust the outside rear view mirrors to desired position.

ⓘ NOTE

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

Motorized Outer Rear View Mirrors (if equipped)



The switch to adjust the motorized mirrors is located on the driver's door. You can adjust the mirrors when the ignition switch is in the "ACC" or "ON" position.

To Adjust the Mirrors

1. Move the selector switch to the left (L) or right (R) to select the mirror you wish to adjust.
2. Press the outer part of the switch that corresponds to the direction in which you wish to move the mirror.

ORVM FOLDING (if equipped)

Option 1: Manual Folding

ORVMs can be folded or unfolded manually. This is applicable only for vehicles which are not equipped with motorized folding provision.

Option 2: Auto Folding by Smart Key

When you lock the vehicle, ORVMs will be folded automatically.

When you unlock the vehicle, ORVMs will be unfolded automatically.

In case to repeated usage, Mirror Fold-

ing/Un-folding will stop functioning and will be re-activated after delay of 2 min. During that period avoid repeated pressing of Switch.

Option 3: Auto Folding by Knob

To fold / unfold the ORVMs, keep the Selector switch in center position (i.e. neither 'L' nor 'R, position) and then toggle down. This will operate when the ignition switch is in the "ACC" or "ON" position.

Option 4: Rear View Mirror with Joystick Knob

You can adjust the outer rear view mirror manually by joy stick knob located in the driver's and front passenger's door panel.

SUN VISORS

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

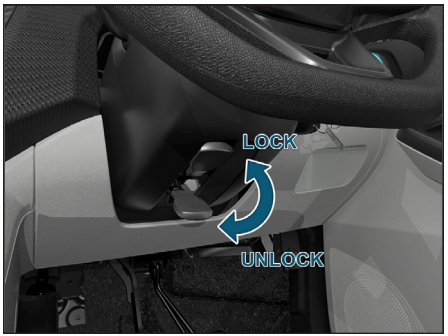
To Block Glare from Side Windows

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

Vanity Mirror

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

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 correctly 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.

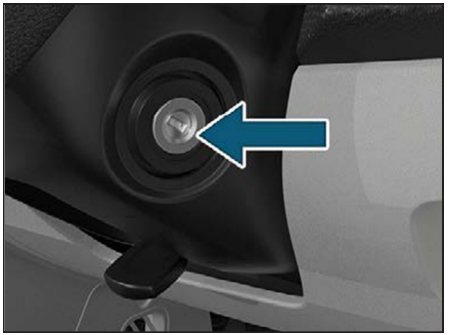
Brake performance may become poor and unpredictable if brakes are wet. After driving through water or washing the underside of the vehicle, test the brakes while driving at a slow speed to see if they have maintained their normal effectiveness. If the brakes are less effective than normal, dry them by 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.

STEERING LOCK CUM IGNITION SWITCH (if equipped)



The ignition switch has the following four positions:

LOCK - This is the normal parking position. Key from lock can be removed in this position only.

“LOCK” position prevents normal use of the steering wheel after the key is removed.

To release the steering lock, engage the key and turn it clockwise to one of the other positions.

ACC - Accessories such as the infotainment system can be operated, but the vehicle remains ‘OFF’. Steering gets unlocked.

ON - This is the normal operating position. All electrical systems are ‘ON’.

START - Turn the key further clockwise to the START position, (spring loaded) to start the vehicle. As soon as the vehicle starts, release the ignition key, which returns to ON position. While cranking, all accessories will be momentarily ‘OFF’.

Illuminated Key Ring (if equipped)

When the vehicle is unlocked, the illuminated key ring glows up. This helps to locate ignition switch in the dark.

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 pre-vent 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.

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) (if equipped)

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 Passive (Motor) Start and Stop 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 Column Steering 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 motor 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 (in center console).

PEPS Features

Passive Entry

Entry in Vehicle through Driver Door:

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

UID (Smart Key)

Tailgate Opening of vehicle:

- Customer reaches to tailgate.
- Customer presses tailgate handle along with valid Smart key within authentication range of 1.2m.

Tailgate handle

ⓘ NOTE

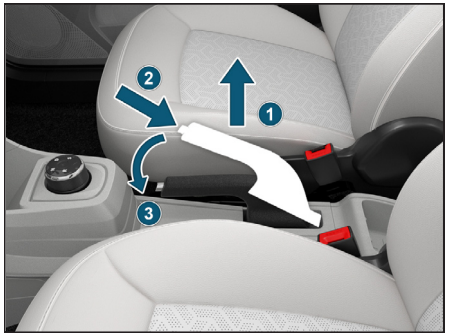
Press the tail gate button on smart key and press the tail gate door handle switch within 30 seconds to open it.

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 Smart key within authentication range of 1.2m.
- Vehicle gets locked.

Parking Brake



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.

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.

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 required.
- Remove the key from the ignition switch and lock the vehicle.
- Block the wheel if parked on a slope.

ⓘ NOTE

While parking on uphill or downhill gradients, place the gear lever in the 'N' position and engage parking brake.

⚠ WARNING

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

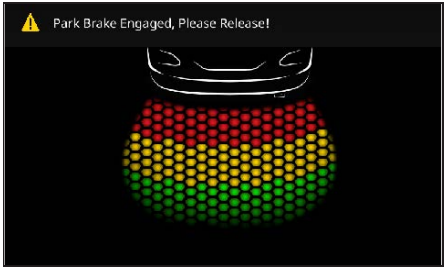
ⓘ NOTE

Do not use parking brake for braking unless unavoidable circumstances like when service brake is not working properly. The braking distance is considerably longer and the wheels could lock. There is an increased danger of skidding 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 Centre.

⚠ WARNING

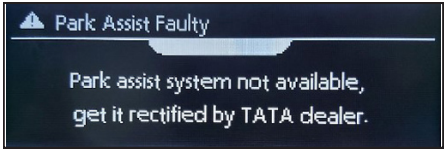
0 to 25 cm obstacle detection performance is not guaranteed due to ultra-sonic sensor technology limitation.

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:

1. Park Assist Controller / Body Control Module Failure
2. Sensor malfunction.



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 surface, 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 re-fitment.

ⓘ 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 displayed 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 uphill 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 (if equipped)

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 under 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. 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.
4. 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.
5. Do not apply heavy force on lens, while cleaning.
6. Do not remove mud, snow on the camera lens using stick or hard material. Use normal water and soft cloth.

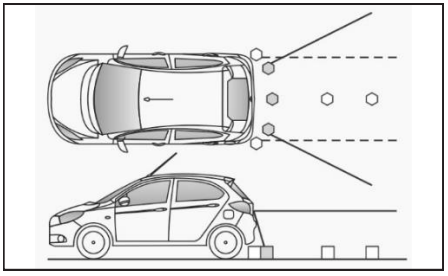
⚠ WARNING

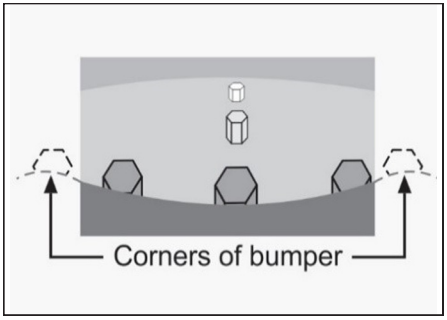
- The camera uses fish eye lens. So the size of the objects or in the display may differ from the actual size and distances in low light conditions, the screen may darken or image may appear faint.
- If the tire sizes are changed, the position of the fixed guidelines displayed on the screen may change.
- 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 uphill or downhill conditions, do not depend on rear view camera park aid.
- Always use rear View mirrors along with Rear View Camera for confirming the safety of the rear and the surrounding conditions.
- Do not apply any kind of force on the camera.
- 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

Area displayed on screen

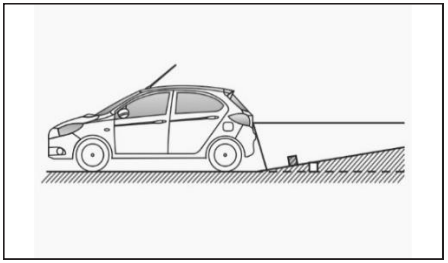
The rear view camera system displays an image of the view from the bumper of the rear area of the vehicle.

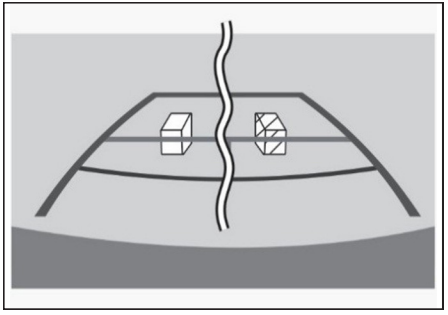




- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects, which are close to either corner of the bumper or under the bumper, cannot be seen on the screen.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the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

When the ground behind the vehicle slopes up sharply



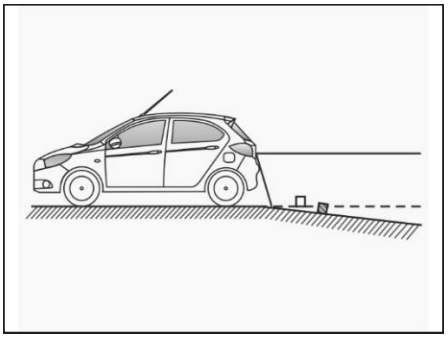


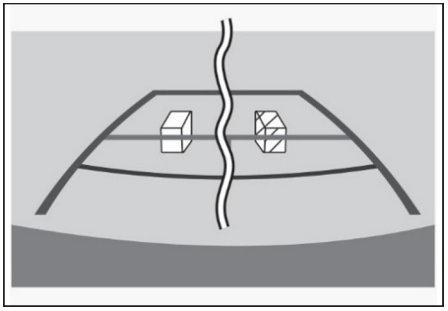
The distance guidelines will appear to be closer to the vehicle than the actual distance.

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.

When the ground behind the vehicle slopes down sharply

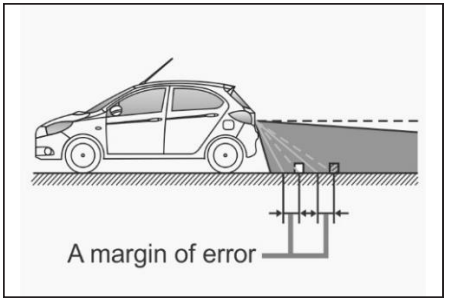




The distance guidelines will appear to be further from the vehicle than the actual distance.

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.

When any part of the vehicle sags

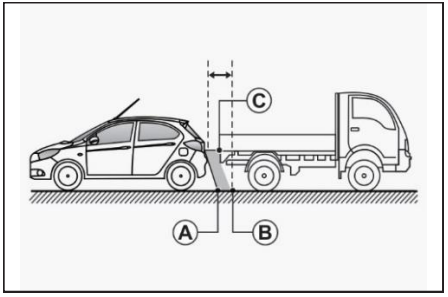


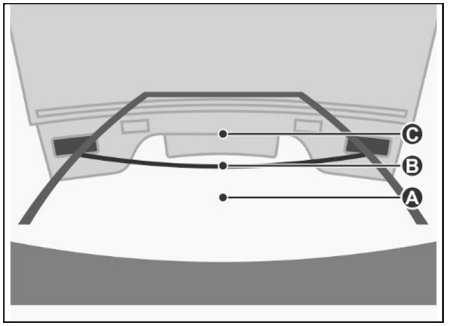
When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the fixed guide lines on the screen and the actual distance/course on the road.

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-dimensional object.

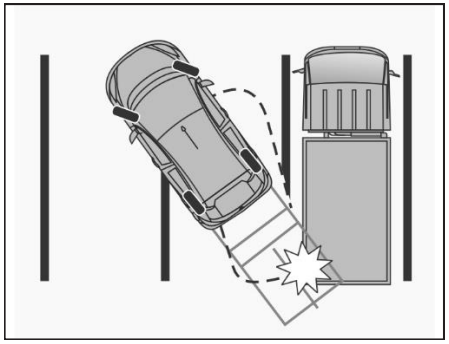
a. Distance guidelines

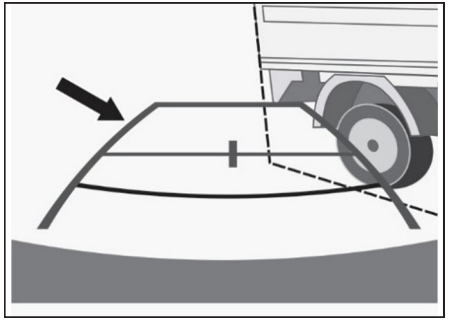




Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parked at point B. However, in reality if you back up to point A, you will hit the truck. On the screen, it appears that A is closest and C is furthest away. However, in reality, the distance to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

b. Vehicle width guidelines





Visually check the surroundings and the

area behind the vehicle. In the case shown below, the truck appears to be outside of the vehicle width guidelines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the vehicle width guidelines. In reality if you back up as guided by the vehicle width guidelines, the vehicle may hit the truck.

EMERGENCY EQUIPMENT

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

Do a check of this equipment periodically and make sure that they are in proper working condition and stowed at their locations.

First Aid Kit

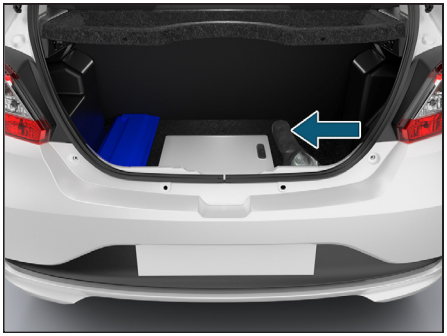
The first aid kit is kept inside the glove box compartment.

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

ⓘ NOTE

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

Tool Kit And Tow Hook

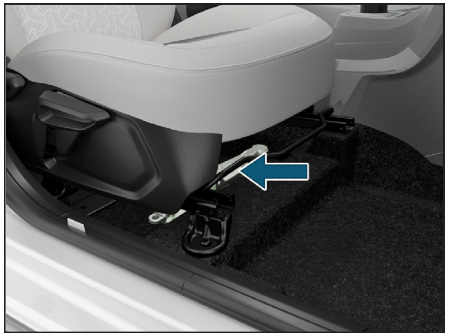


Tool kit & tow hook are kept inside luggage compartment.

ⓘ NOTE

The tool kit should be properly stored when not in use.

How To Use Jack



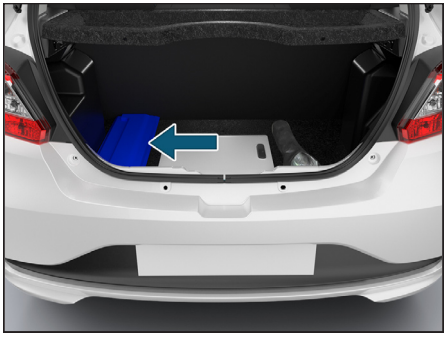
ⓘ NOTE

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

**Note- Jack is provided in accessories as an option.

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.

When you press the hazard warning switch, all turn signal lamps will start to blink.

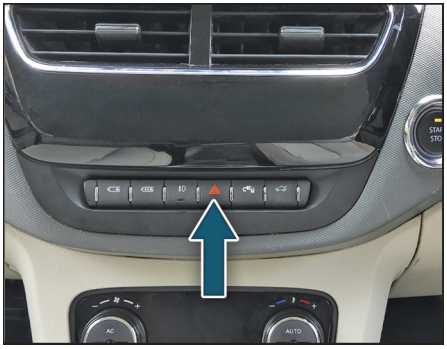
Keep the warning triangle at an approximate distance of 50-150m behind your vehicle in the same lane of traffic. The reflecting side of the triangle should face the oncoming traffic and it should be free from any obstacles.

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.

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, Avoid sudden steering movement or braking.
- 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.
- Take out the key from vehicle.
- Secure the vehicle against rolling away.
- Set the parking brake firmly.
- Set the parking brake firmly and shift into “R” (Reverse) gear on level ground and while vehicle is in downhill position.
- When the vehicle is in uphill position, shift the gear in first gear
- 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 Centre.

Changing Flat Tyre

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

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 wheel on uphill and downhill slopes. Chock the wheels, if the deflated wheel needs to be changed on slope / ghat area.*
- *Before raising the vehicle, secure it from rolling away by applying the parking brake.*
- *Set the parking brake firmly and shift into "R" (Reverse) gear on level ground and while vehicle is in downhill position.*
- *When the vehicle is in uphill position, shift the gear in first gear*
- *Do not use wooden blocks or similar objects as a jack underlay.*
- *Do not place your hands and feet or lie under the raised vehicle when it is supported by a jack.*
- *Do not run the Vehicle should be in power off condition, when the vehicle is supported by the jack and never allow passenger to remain in the vehicle.*
- *Take out the key from vehicle.*
-

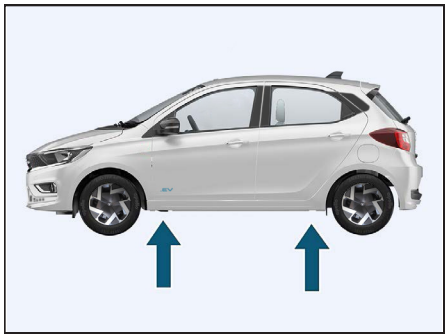
- *Do not open or close a door or the tailgate when the vehicle is raised.*

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

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

The jack up points are indicated by cutouts on the front and rear.

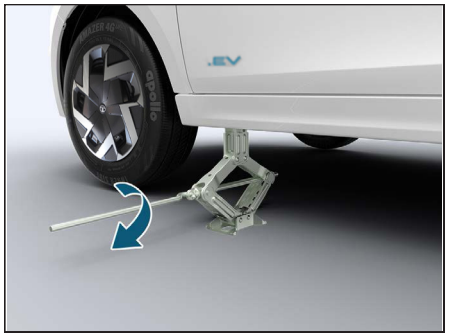
Jack Up Point Location on Vehicle



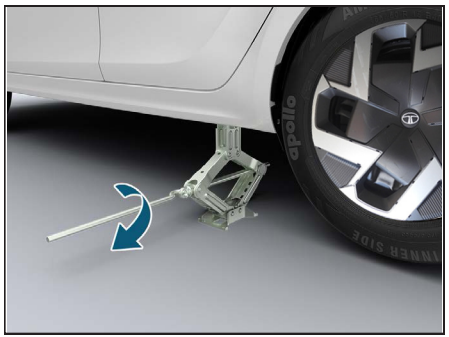
Jack up point location

⚠ 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. Also jack can be damaged.



Lifting the front wheel using jack



Lifting the rear wheel using jack

Continue to raise the jack slowly and

smoothly until the tyre clears the ground. Do not raise the vehicle more than required.

Remove wheel 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.

Tighten each nut by hand until the wheel is securely seated on the hub.

Lower the jack completely then tighten the wheel nuts one by one using wheel spanner.

Press fit the wheel cover back (if fitted).

Restore all the tools and jack at their respective locations.

ⓘ NOTE

- *Do a check and correct the tyre pressure and wheel nuts tightness of the changed wheel at nearest authorized service station. Get the flat tyre repaired at the earliest.*
- *Place the jack only at recommended jacking locations.*

PUNCTURE REPAIR KIT (if equipped)

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 300 kPa (3 bar, 43 psi). 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. Ob-serve the following rules when using the Puncture repair Kit:

- Drive with caution and avoid making sudden steering or driving maneuvers , 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 (50 mph).
- 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.

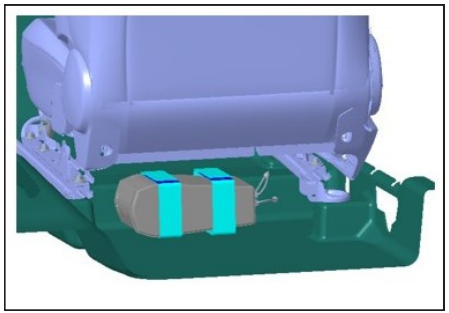
These instructions provide a step-by-step explanation of how to use the Puncture repair Kit to temporarily repair a tire puncture.

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

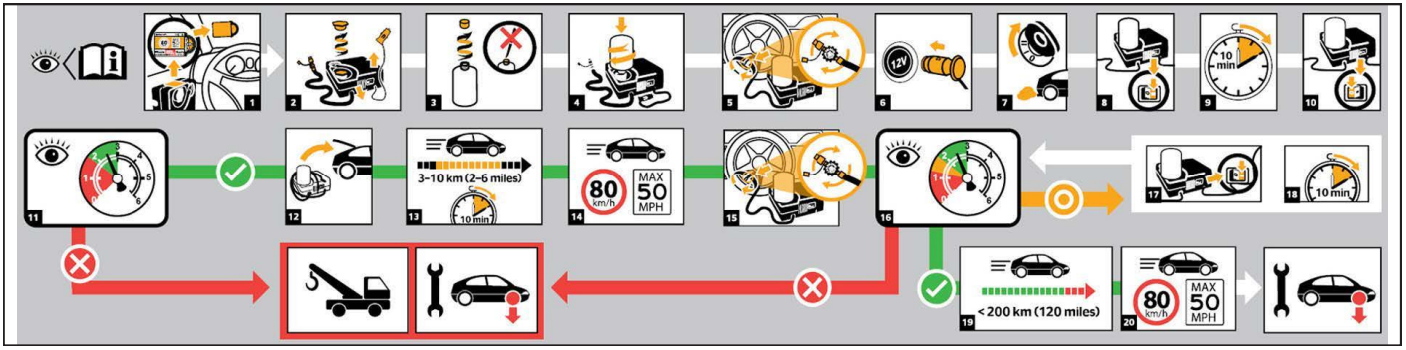


In Below co-driver seat

Puncture Repair Kit Removal Process

- To access the puncture repair kit open the rear LH door.
- Slide the co-driver seat forward.
- Remove the two Velcro as shown in figure and take out the puncture repair kit.

Step



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 engine 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 over-heating.
- 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 re-pair Kit bottles which are pressure resistant.

How To Proceed In The Event Of Tyre 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 thereafter, drive a short distance (3-10 km / 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 maxi-mum 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 Tyre Sealant And Air Into The Tyre

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 release” valve is closed.
6. Insert power plug into the 12 volt power socket connection.
7. Start the engine (only if the vehicle is outdoors or in a well ventilated area).

⚠ WARNING

Asphyxiation may occur if the engine is allowed to run in a non-ventilated or poorly ventilated area (e.g. inside a building)

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

⚠ WARNING

If heavy vibrations, unsteady steering behavior 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 130 kPa (1.3 bar, 19 psi) or if there are any visible cracks, bumps or similar damage on the side wall, do not continue to use the tire!

11, 12. Once a tire inflation pressure of at least 180 kPa (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 behavior 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 130 kPa (1.3 bar, 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 Tyre 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 130 kPa (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 130 kPa (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 engine (only if the vehicle is outdoors or in a well ventilated area).

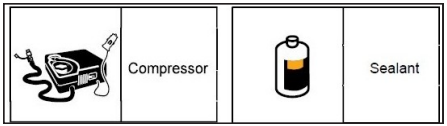
⚠ WARNING

Asphyxiation may occur if the engine is allowed to run in a non-ventilated or poorly ventilated area (e.g. inside a building)

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 tyre.



- 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 (with in 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 tyre repaired and if the tyre repair is not possible, tyre should be removed from the car. Before the tire is removed from the rim, inform your tire dealer that the tire contains sealant. 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 roadside 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 house-hold 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 Service Centre 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.

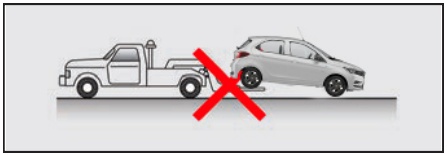
Recommended Towing

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.

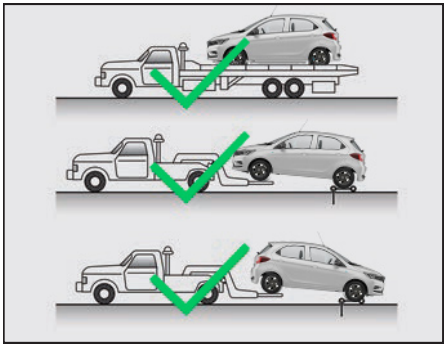
⚠ WARNING

- 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.

Wrong method:



Correct methods:



Emergency Towing

If towing is necessary, we recommend you contact the nearest Tata Motors authorised EV dealer or EV service centre.

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 20 kmph).

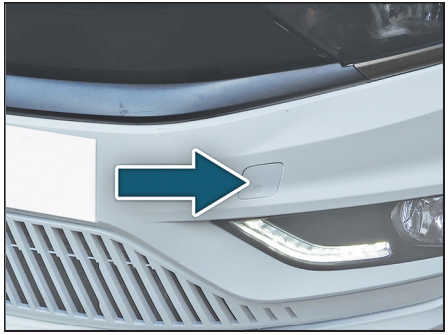
In case of mechanised or flatbed towing is not available, your vehicle can be temporarily towed using a Cable, Chain, Tow rope or rigid tow bar connected to the emergency towing hook at the front of the vehicle.

⚠ 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 flatbed truck. Alternatively use a rigid tow bar or cable as emergency.
- Switch ‘ON’ the hazard warning indicators of both the vehicles to warn other road users.
- Limit the speed to 20 kmph.
- 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.

Tow Hook Fitment

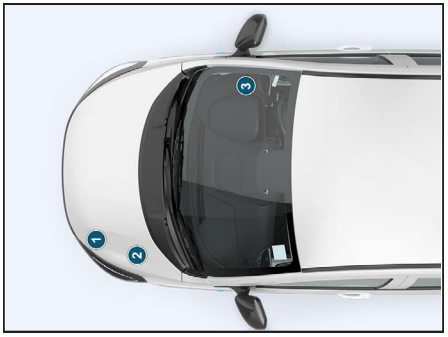
- Open the tailgate and remove tow hook from the tool kit.
- Open the tow hook cover provided on the front bumper by pressing it at the bottom part and simultaneously pulling it at the top (as shown in fig). Screw in and tighten the tow hook in clockwise direction.
- After towing, remove the towing hook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



FUSES

Your vehicle has Low Voltage fuse boxes at three locations.

The vehicles electrical circuits have fuses to protect the wiring from short circuits or sustained overload.



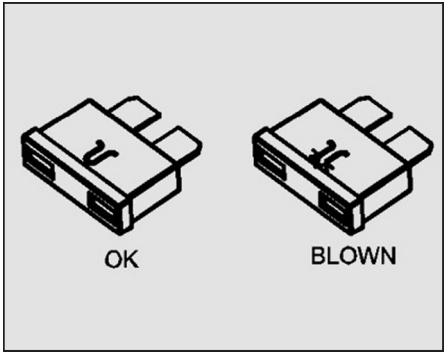
1. Battery Mounted LV fuse box
2. Motor Compartment LV fuse box
3. Cabin compartment LV fuse box

Checking and Replacing Fuses

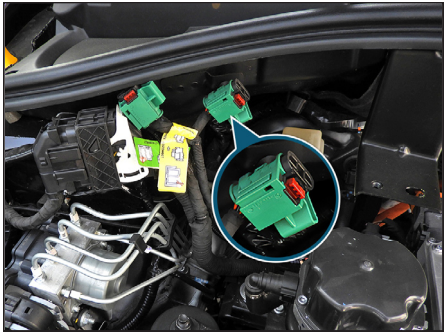
If any electrical unit in your vehicle is not functioning, examine the fuses.

Please follow the steps below that will guide you to check and replace them.

- Apply parking brake
- Switch off all the electrical gadgets.
- Turn the ignition key to the 'LOCK' position and remove the key out.
- 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 available in the motor compartment fuse box.



ⓘ NOTE

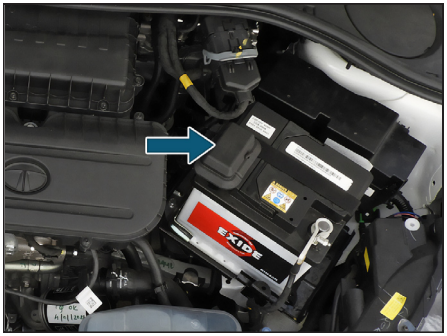
Make sure that the spare fuses are added.

- Make sure that all other fuses are pressed firmly in position.
- If a newly installed fuse also blows, have the cause traced and rectified at nearest TATA MOTORS Authorized EV Service Centre immediately.

⚠ WARNING

If you manipulate or bridge a defective fuse or if you replace it with a fuse with higher amperage, the electric cables could be overloaded and causes fire. There is a risk of an accident and injury. Always replace defective fuses with the specified new fuses having the correct amperage.

Battery Mounted LV Fuse Box



Fuse No.	Function	Fuse Rating
F01	3 IN 1 COMBO	200 A

ⓘ 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 re-place 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.

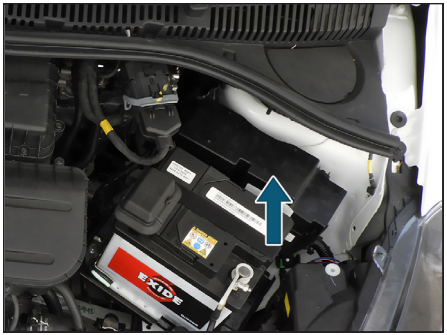
⚠ WARNING

In case of Accident/Emergency/Crash, the rescuer or first emergency responder may be prone to Electric Hazard.

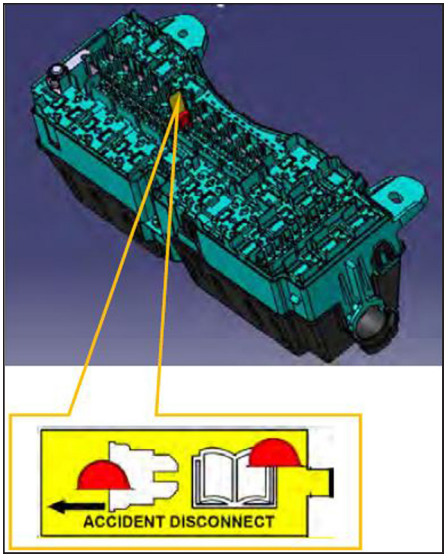
To avoid the Electric hazard, the Power supply to Battery Management System must be disconnected.

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

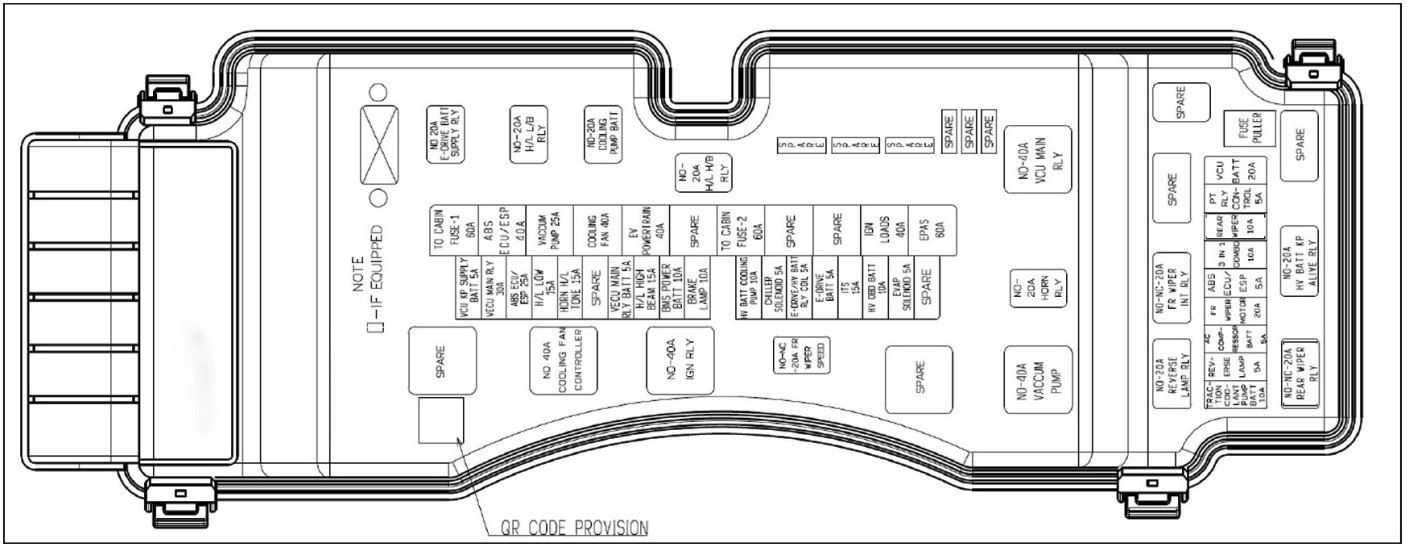
If Fuse box cover is removed for any reason, it should be refitted properly at its original position.

ⓘ NOTE

The fuse box layout is for reference purpose only. Please refer the sticker provided inside the fuse box cover.

Under The Bonnet Fuse Box

Under Bonnet Fuse Box – Layout and details



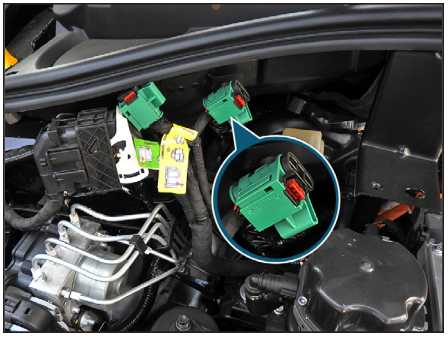
Fuse No.	Value	Type	Description
EF1	60A	SLOW BLOW	INTERIOR F/B 1 IGNITION
EF2	40A	SLOW BLOW	ABS/ECU/ESP
EF3	25A	SLOW BLOW	VACUUM PUMP
EF4	40A	SLOW BLOW	COOLING FAN
EF5	40A	SLOW BLOW	EV POWERTRAIN
EF6	-	SLOW BLOW	SPARE
EF7	60A	SLOW BLOW	INTERIOR F/B 2 BATTERY
EF8	-	SLOW BLOW	SPARE
EF9	-	SLOW BLOW	SPARE
EF10	40A	SLOW BLOW	IGNITION LOAD
EF11	60A	SLOW BLOW	EPAS
EF12	5A	FAST BLOW	VCU KP SUPPLYBATT.
EF13	30A	FAST BLOW	VECU MAIN RELAY
EF14	25A	FAST BLOW	ABS ECU/ ESP
EF15	15A	FAST BLOW	HEAD LAMP LOW BEAM
EF16	15A	FAST BLOW	HORN HIGH/LOW TONE
EF17	-	FAST BLOW	SPARE
EF18	5A	FAST BLOW	VECU MAIN RELAY BATT
EF19	15A	FAST BLOW	HEAD LAMP HIGH BEAM
EF20	10A	FAST BLOW	BMS POWER BATT.
EF21	10A	FAST BLOW	BRAKE LAMP

Fuse No.	Value	Type	Description
EF22	10A	FAST BLOW	HV BATT. COOLANT PUMP
EF23	5A	FAST BLOW	CHILLAR SOLENIOD
EF24	5A	FAST BLOW	E-DRIVE/HV BATT. RELAY COILS
EF25	5A	FAST BLOW	E DRIVE BATT
EF26	15A	FAST BLOW	ITS
EF27	10A	FAST BLOW	HV OBD BATT.
EF28	5A	FAST BLOW	EVAPORATOR SOLENIOD
EF29	5A	FAST BLOW	SPARE
EF38	20A	FAST BLOW	VECU BATT.
EF39	5A	FAST BLOW	EV POWERTRAIN RELAY CONTROL
EF40	10A	FAST BLOW	REAR WIPER
EF41	10A	FAST BLOW	3 IN 1 COMBO
EF42	5A	FAST BLOW	ABS ECU / ESP
EF43	20A	FAST BLOW	FRONT WIPER MOTOR
EF44	5A	FAST BLOW	EV AC COMPRESSOR
EF45	5A	FAST BLOW	REVERSE LAMP
EF46	10A	FAST BLOW	TRACTION COOLANT PUMP

Under Bonnet Relay Details

Fuse No.	Value	Type	Description
R1	40A	MINI	VACUUM PUMP RELAY
R2	-	MICRO	-
R3	20A	MICRO NO	HV BATT KP ALIVE RELAY
R4	40A	MINI NO	VECU - MAIN RELAY
R5	-	MICRO	-
R6	40A	MINI NO	COOLING FAN CONTROLLER
R7	20A	MICRO NO - NC	INT WIPER ON
R8	20A	MICRO NO	COOLANT PUMP RELAY
R9	-	MINI	-
R10	-	MINI	-
R11	-	MICRO	-
R12	20A	MICRO NO	EV BATT. E DRIVE RELAY
R13	20A	MICRO NO	HEAD LAMP LOW BEAM
R14	20A	MICRO NO	
			HEAD LAMP HIGH BEAM
R15	20A	MICRO NO-NC	REAR WIPER RELAY
R16	20A	MICRO NO	HORN
R17	40A	MINI	IGNITION
R18	20A	MICRO NO - NC	FRONT WIPER SPEED
R19	20A	MICRO NO	REVERSE LAMP RELAY

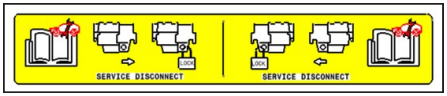
Under Bonnet Low Voltage Service Disconnect



Isolation of high voltage components through low voltage Service Disconnect in case of emergencies.

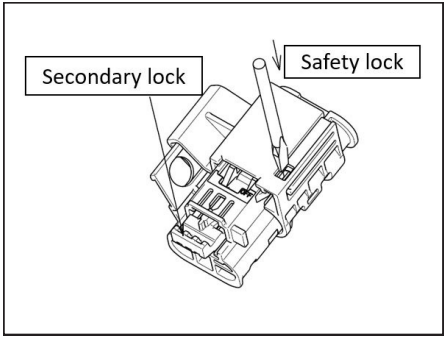
A low voltage Service Disconnect connector is provided under the bonnet of the vehicle. If it is disconnected, the low voltage Service Disconnect the High Voltage Interlock circuits.

- A low voltage Service Disconnect connector is located on water channel, above brake booster.
- 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. Remove lock before disconnecting.

Process For Low Voltage Service Disconnect



- Secondary lock need to be opened and then safety lock to be pulled with suitable tool.
- After successfully completion of service, press the secondary lock inside and safety lock to its original position.

⚠ 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

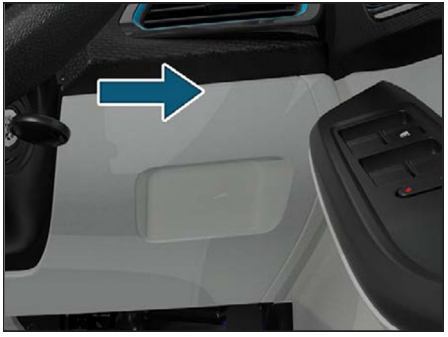
Disengage service disconnect & use lock while servicing / emergency for safe work on vehicle. To start vehicle again remove lock and engage service disconnect.

Cabin Compartment LV Fuse Box

Cabin Removal Procedure

Fuse box is located in 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.

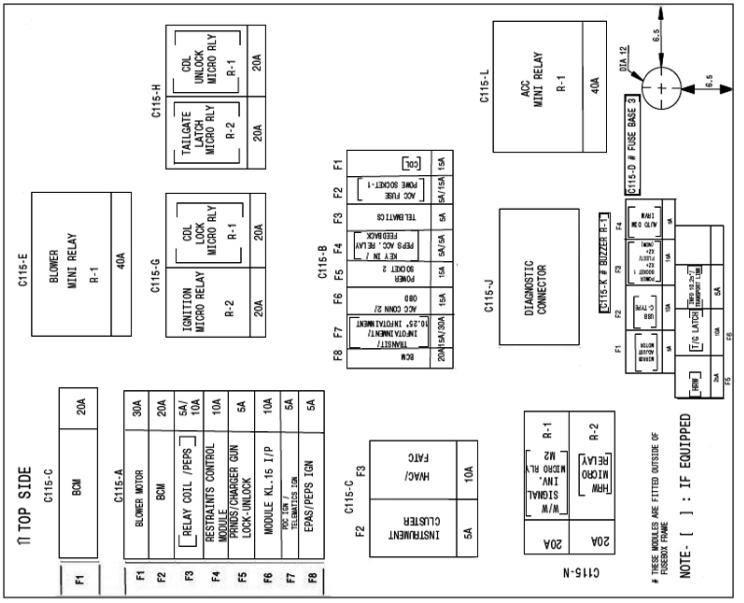
Re-fitment Procedure

Align and engage the top and bottom mounting lugs with respective slots on dash board and press the cover firmly.

Fuses

Cabin compartment fuse box

Fuses - Cabin Compartment Fuse Box Details



Note: Please refer fuse box sticker on vehicle for more clarity.

Module	Fuse No.	Fuse Rating	Type	Description
C115-A	F1	30A	FAST BLOW	BLOWER MOTOR
C115-A	F2	20A	FAST BLOW	BODY CONTROLE MODULE
C115-A	F3	5A/10A	FAST BLOW	RELAY COILS / PEPS
C115-A	F4	10A	FAST BLOW	RESTRAINTS CONTROL MODULE
C115-A	F5	5A	FAST BLOW	PRNDS/CHARGER GUN LOCK-UNLOCK
C115-A	F6	10A	FAST BLOW	MODULE KL.15 I/P
C115-A	F7	10A	FAST BLOW	PDC IGN/TELEMATICS IGN
C115-A	F8	5A	FAST BLOW	EPAS/PEPS IGN
C115-B	F1	15A	FAST BLOW	CDL
C115-B	F2	5A/15A	FAST BLOW	ACCESSORIES FUSE / POWER SOCKET 1
C115-B	F3	5A	FAST BLOW	TELEMATICS
C115-B	F4	5A/5A	FAST BLOW	KEY IN / PEPS ACC. RELAY FEEDBACK
C115-B	F5	15A	FAST BLOW	POWER SOCKET 2
C115-B	F6	15A	FAST BLOW	ACC CONN. 2 / OBD
C115-B	F7	15A	FAST BLOW	TRANSIT/INFOTAINMENT
C115-B	F8	20A	FAST BLOW	BODY CONTROLE MODULE
C115-C	F1	20A	FAST BLOW	BODY CONTROLE MODULE
C115-C	F2	5A	FAST BLOW	INSTRUMENT CLUSTER
C115-C	F3	10A	FAST BLOW	HVAC/FATC
C115-D	F1	5A	FAST BLOW	MIRROR ADJUST MOTOR
C115-D	F2	5A	FAST BLOW	USB TYPE-C CHARGER

Module	Fuse No.	Fuse Rating	Type	Description
C115-D	F3	15A	FAST BLOW	POWER SOCKET 1 XZ+ FLEET/XZ+(NEW
C115-D	F4	5A	FAST BLOW	AUTO DIM IRVM
C115-D	F5	25A	FAST BLOW	HEATED REAR WINDOW
C115-D	F6	10A	FAST BLOW	T/G LATCH

Cabin Compartment Fuse Box Relay Details

Module	Relay No.	Rating (a)	Relay Type	Description
C115-L	R1	40A	MINI NO	ACC, RELAY
C115-E	R1	40A	MINI NO	BLOWER RELAY
C115-K	R1	-	BUZZER	BUZZER
C115-N	R1	20A	MICRO NO	WW SIGNAL INVERSION RLY
C115-N	R2	20A	MICRO NO	HEATED REAR WINDOW
C115-G	R1	20A	MICRO NO-NC	CDL LOCK RLY
C115-G	R2	20A	MICRO NO	IGN RLY
C115-H	R1	20A	MICRO NO-NC	CDL UNLOCK RLY
C115-H	R2	20A	MICRO NO	T/G LATCH RLY

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.

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 High voltage battery may result in a fire. If you discover 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 at 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 shutoff suddenly. In this case, contact the nearest Tata Motors authorized EV dealer to rectify the issue.

MAINTENANCE AND SERVICES

Periodic maintenance is essential for ensuring long trouble free performance.

Have your vehicle serviced regularly from TATA MOTORS EV Authorised 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 service center for assistance.

- Brake fluid level
- Traction cooling/Battery cooling system level
- Washer fluid level checking & topping up
- LV Battery electrolyte
- Tyre inflation pressure including spare wheel.

NOTE

Refer "Opening and Closing" section for front bonnet opening.

WARNING

- Keep all open flames and other burning material (such as cigarettes) away from the Vehicle.

DO IT YOUR SELF

- Check the coolant level in the coolant reservoir and brake fluid level once in month.
- Check for operations of all exterior lights, including the stop light, turn signals and hazard warning flashers once in month.
- Always check the inflation pressures of all tires including the spare is as per specification.
- Check the windshield washer spray and wiper operation. Clean the wiper blades with clean cloth dampened with washer fluid.
- Check of the headlight alignment.
- Check for worn tires and loose wheel nuts.
- Check for air conditioning flow, if not adequate take your vehicle to nearest service station.
- Clean the battery and terminals
- Ensure the radiator and FMS are dust free to prevent particle buildup and clogging
- Keep an eye on the motor temperature (shown on 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.
- Always keep your vehicle clean and dust free.

ⓘ NOTE

Since the electrical components of vehicle are not user serviceable, it is recommended that you approach your nearest TATA MOTORS authorized EV Service Centre to replace any electrical components of the car

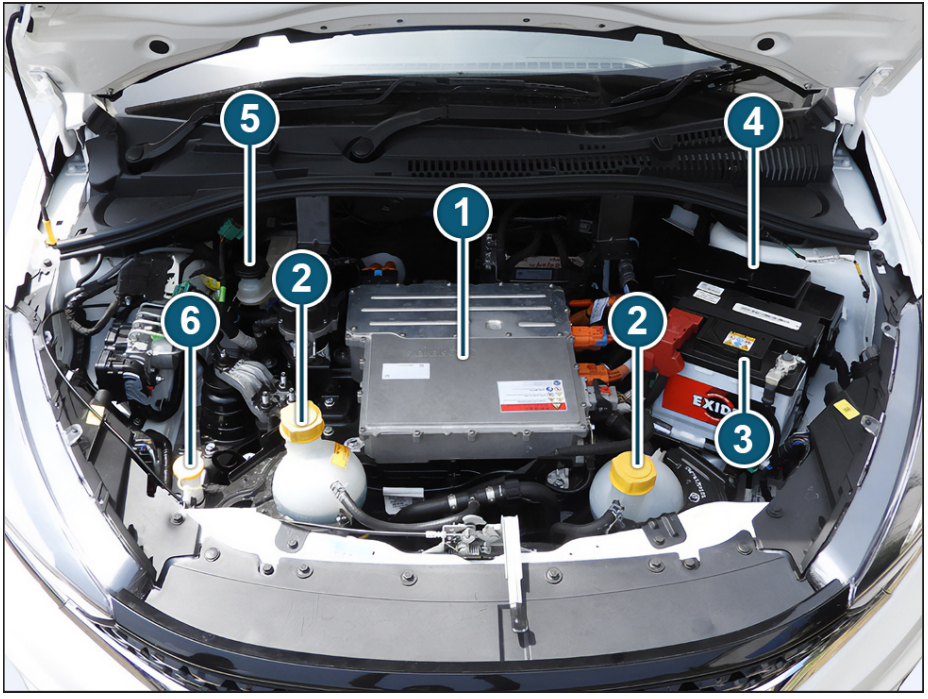
Instruction For Cleaning the Charging Port

- 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 Slow charging make sure that DC dust cap in in closed position.
- In case of dust/mud/snow accumulation in charging port, it can be cleaned by blowing air into the charging port. Never use any water or liquid for cleaning purpose.

ⓘ NOTE

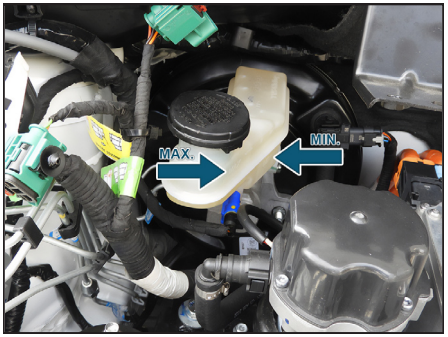
Water entering into the charging port will always be drained through the drain system.

MOTOR COMPARTMENT



1. High voltage components
2. Coolant tank
3. Low voltage battery
4. Motor compartment fuse box
5. Brake fluid reservoir
6. Windshield Washer reservoir

Brake Fluid Level

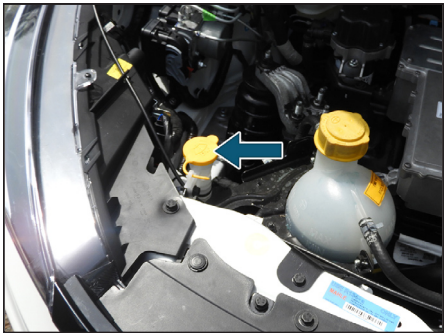


The level of the brake fluid should be between the 'MIN' and 'MAX' marks on the side of the brake fluid container. If the level falls below the 'MIN' mark, add recommended brake fluid.

ⓘ 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.

Windshield Washer Fluid Level

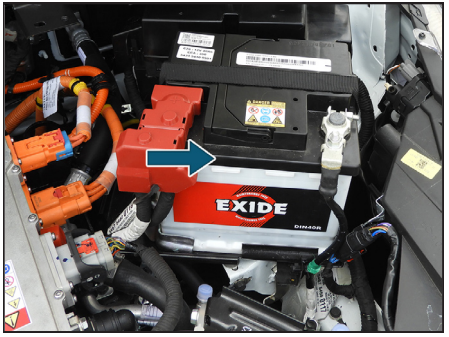


Measure the washer fluid in the tank. Fill with good quality windshield washer fluid (diluted with water) if the washer fluid level is low.

ⓘ 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 damage your vehicle's paint.*
- *Do not operate washer motor with no fluid in washer tank, washer motor will be damaged*

Auxiliary Battery (12V)



- Check the battery for electrolyte level against the marking on the battery outer case.
- Check the battery terminals for corrosion, clean it with dry cloth.
- Coat the terminals with petroleum jelly to prevent further corrosion.
- Use a proper wrench to loosen and re-

move cables from the terminals.

- Always disconnect the negative (-ve) terminal first and reconnect it last.
- If you need to connect the battery to a charger, disconnect both cables to prevent damage to the vehicle's electrical system.

ⓘ 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. Use 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 Authorized EV Service centre for the same.

⚠ CAUTION

- Use only ATF recommended by TATA MOTORS. Do not mix with other fluids.
- The 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.

TYRES

1	Under Inflation	Too much side tread wear
2	Correct tyre pressure	Uniform wear
3	Over Inflation	Too much center tread wear

Inflation

Do a check for inflation and condition of your vehicle tyres periodically.

Examine the pressure in the tyres when they are cold.

Keep the correct pressure in the tyres for the best combination of riding comfort, handling, tyre life and optimum performance.

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 comfort, affects handling and increases the operating temperature, which can result in failure. They also cause uneven wear and bring down the performance of the car.

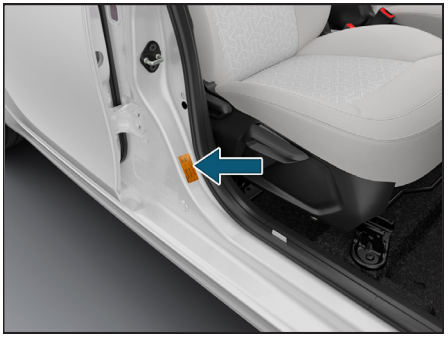
ⓘ NOTE

Every time you check inflation pressure, you should also examine tyres for damage, trapping of foreign objects in the treads and wear.

Recommended Tyre Pressures

Vehicle Condition	Tyre Size	Front	Rear
Unladen condition	175/65 R14 86T	33 psi / 2.27 bar	33 psi / 2.27 bar
Laden condition	175/65 R14 86T	36 psi / 2.48 bar	36 psi / 2.48 bar

Tyre Pressure Sticker Location



ⓘ NOTE

- *Keep the tyre pressures as per the values mentioned on the tyre.*
- *Do a check of the tyre pressures in the regular and spare tyres for one time in a month.*

Special Care for Tubeless Tyres

- When you remove the tyre and install it back on the 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 inner surface of tubeless tyre with metallic or sharp object. Tubeless tyres are coated with impermeable layer of rubber from inner surface which holds the air in 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.
- Keep the recommended inflation pressure. Over-inflation, in particular, may cause puncture or bursting of tyre.

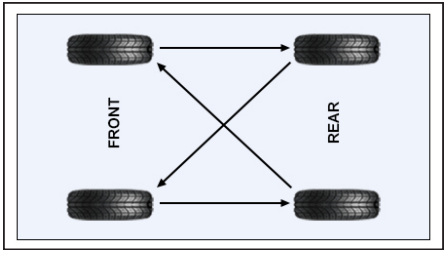
ⓘ NOTE

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.

Tyre Rotation

To help increase tyre life and distribute wear more evenly you should have tyres rotated at specified intervals or earlier depending on the operation of vehicle.

For 175/65 R14 tyres



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.

Wheel Covers (if equipped)

Put a piece of cloth between the spokes of the wheel cover and pull it outwards. Take out detached wheel cover from the wheel rim.

When you install the cover, make sure that it does not block the air inlet valve. Apply equal pressure at the circumference of the wheel cover to fix it in the wheel rim.

ⓘ NOTE

Do not use any sharp tools (such as screw driver etc.) to remove the wheel cover.

SMART KEY BATTERY REPLACEMENT (For PEPS Variant)

Procedure

1. Open rear side of key (battery cover).

2. Replace with new battery with proper polarity in the smart key battery slot.
3. Close the battery cover.
4. Ensure that the key cover is intact properly.

ⓘ NOTE

Use CR 2032 battery only.

ⓘ NOTE

An inappropriately disposed battery can be harmful to the environment and human health. Dispose the battery according to your local law(s) and regulation.

REMOTE KEY BATTERY REPLACEMENT

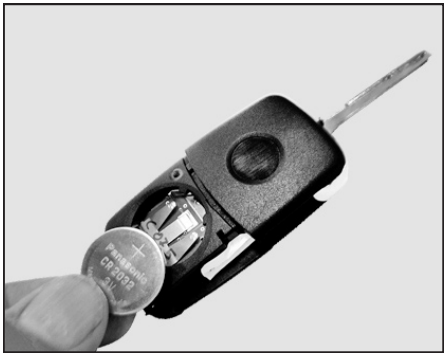
Remote control key contains a battery which is housed under the cover.

If red LED remote flashes for 5 times after placing and releasing any button on remote. It is recommended to replace battery at a TATA MOTORS Authorized EV Service Centre.

You should, however, proceed as follows if you wish to replace the discharged battery yourself:

1. Open the key blade.
2. Press off the battery cover with your thumb or using a flat screw driver at the points of the arrows.
3. Remove the discharged battery from the key by pressing the battery downwards at the point of the arrow.

4. Insert the new battery.



5. Ensure that the “+” symbol on the battery is facing upwards. The correct polarity is shown on the battery cover.
6. Position the battery cover on the key and press on it until it is heard to lock in place.

ⓘ NOTE

- *Use CR 2032 battery only.*
- *An inappropriately disposed battery can be harmful to the environment and human health. Dispose the battery according to your local law(s) and regulation.*

VEHICLE PARKING FOR LONG DURATION

If the vehIcle need to be park for long duration, following care to be taken:

1. Park the vehicle in covered, dry and well ventilated premises & Ensure the engagment of parking brake lever.
2. Block the wheel.
3. Remove the 12 V battery negative terminal ensuring that Low voltage battery fully charged.
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 30days in storage. Do not allow the vehicle to be discharged to 0% in storage. It is recommended that the vehicle must be charged greater than 50% before leaving the vehicle for long time storage. After this time period the vehicle must be charged to 100% using Slow 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 of motor cooling system.

LUBRICATION SPECIFICATIONS

Use following genuine fluids, coolants and lubricants recommended for optimum performance of your vehicle.

Item	Specification	Company	Brand	Quantity
Battery cooling system - Coolant (Pre-mixed) (Antifreeze agent + Soft water 40:60 ratio)	Class II/JIS K2234 TATA SS7700S1	Sunstar CCI	TATA MOTORS original coolants	4.1 Litres
		Anchemco		
		Castrol		
Traction cooling system - Coolant (Pre-mixed) (Antifreeze agent + Soft water 40:60 ratio)	Class II/JIS K2234 TATA SS7700S1	Sunstar CCI	TATA MOTORS original coolants	3 Litres
		Anchemco		
		Castrol		
Transaxle oil	GEAR OIL BOT 350 M3	Castrol	Syntrans FE 75W/Trans Manual Mulivehicle FE 75W	0.9 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	
Compressor oil	ZEROL ESTER 68 HYBRID oil	Shrive	ZEROL ESTER 68H	150±10 ml
Refrigerant	R-134a	-	-	490 +/-20 gm

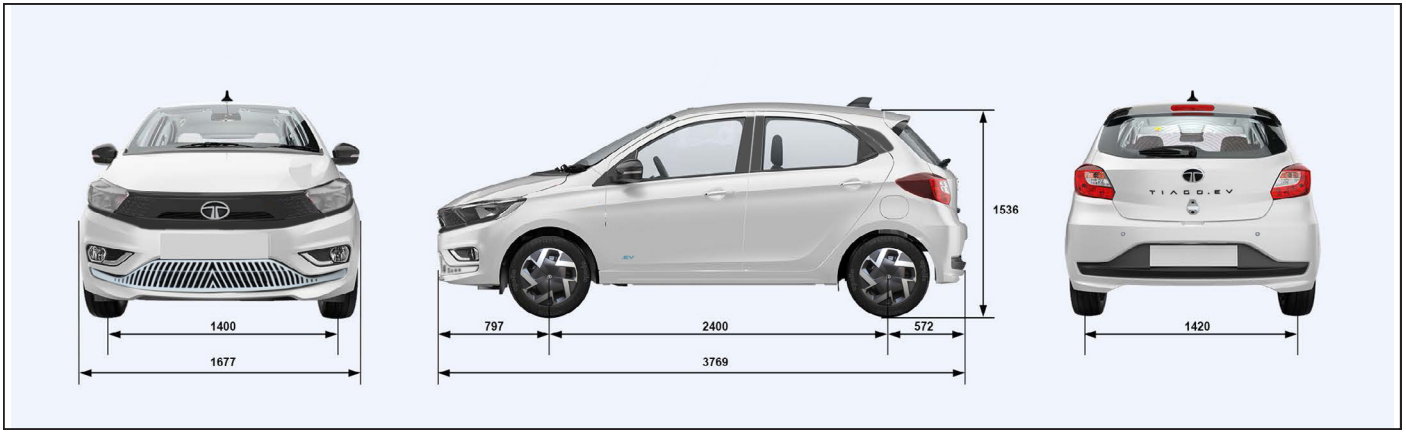
TECHNICAL SPECIFICATIONS

Parameter	
Motor	
Type	345 V, Permanent magnet, synchronous motor
Installation	Transverse Electric power train FWD
Max. Power	48 kW
Max. Torque	114 Nm
Transaxle	
Model	Single speed, Automatic
No. of gears	1-Forward, 1-Reverse
Steering	
Type	Electrical Power assist Steering, Rack & Pinion Gear, collapsible Steering Column
Brakes	
Brakes	Front (Disc); Rear (Drum)
Parking brake	Cable Operated Mechanical (Variable Lever Ratio)
Suspension	
Type	Independent
Shock absorber	Shock absorber
Wheels & tyre	
Tyres	175/65 R14 86T (Radial tubeless tyre)

Parameter	
Wheel rims	5.5J X 14” Steel wheel 5.5J X 14” Hyper style Steel wheel
Cab / body	
Type	Semi-mono volume, 4 doors sedan, steel monocoque body
Electrical system	
HV Battery	Lithium-ion 75 Ah (24 kWh)
Drivetrain	320V
Auxiliary battery	12V, 40Ah
Main Chassis dimension (in mm)	
Wheel base	2400
Track front	1400
Track rear	1420
Overall length	3769
Overall height	1536
Max. Width	1677
Performance	
Max. Speed	120 kmph
Max. Recommended gradability	25%
Min. Turning Circle Dia	10.1 m

Parameter	
Minimum Turning Clearance circle Dia	10.4 m
Weight (in kg)	
Gross vehicle weight	1084-1150 kg
Kerb weight (Unladen)	1484-1550kg

VEHICLE DIMENSIONS



Note- All dimensions are in mm.

AGGREGATE IDENTIFICATION NUMBERS

Chassis number punching near driver seat

VIN plate near front passenger 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. Always wash your vehicle in shade and the surface is at room temperature.
2. 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.
3. To avoid scratches, please wear soft gloves. Remove finger rings, nails, wrist watch while washing.
4. To remove stubborn stains and contaminants like tar, use turpentine or cleaners like 'Stain remover' which are safe for paint surfaces.
5. Avoid substances like petrol, diesel, kerosene, benzene, thinner, acids or other solvents that cause damage to paint.
6. Dry your vehicle thoroughly to prevent any damp spots.
7. 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.

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.

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.

ⓘ NOTE

Avoid spillage or direct contact of air freshener liquid/ chemicals to interior 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 atmos-

pheric 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.

ⓘ NOTE

We strongly recommended to avoid applying any external coating solution on vehicle glazing / glasses, especially on Front & Rear Windscreen Glass. This may affect the Wiper performance & lead to poor visibility while using Wipers in wet condition/Rainy season.

Special Care

Illuminated Steering Wheel and Fascia Switch Panel

- Always use dry and soft cloth for cleaning, do not use shiner, sanitizer, petrol, soap solution, detergent, foam based cleaner or any other liquid etc. as this could damage the surface.
- Do not use any sharp or other objects which can create scratch on illuminated surface.
- Do not apply any protective film on the Driver Airbag from un-authorised sources.

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.