



# **XPRES-T EV**

**OWNER'S MANUAL**



**TATA MOTORS**

## CUSTOMER ASSISTANCE

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

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

You can also approach nearest TATA MOTORS dealer. A separate Dealer network address booklet is provided with the Owner's manual.

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

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



### Dear Customer,

Welcome to the TATA MOTORS family.

We congratulate you on the purchase of your new **XPRES-T EV** vehicle and we are privileged to have you as our valued customer.

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

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

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

We wish you a safe and pleasant driving experience.

### **TATA MOTORS**

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

## **IMPORTANT INFORMATION**

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- Before driving, read this Owner's manual carefully and familiarize yourself with your vehicle. For your own safety and a longer vehicle life, follow the instructions, 'Warnings', 'Caution' and 'Notes' in this manual. Ignoring them could result in damage to the vehicle or personal injury to you or others.
- The Owner's manual and other booklets are important documents and should always be kept in the vehicle. Always pass on the documents to the new owner.
- This Owner's Manual describes all variants of the model and all standard/optional equipment of your vehicle available at the time of printing. Please note that your vehicle may not be equipped with all features described.
- TATA MOTORS reserves the right to introduce changes in the design, equipment and technical features without any obligation to install them on the vehicles previously sold. The equipment in your vehicle may therefore differ from that shown in the descriptions and illustrations.
- Do not carry out any modification including fitment of non-genuine accessories on your vehicle. Safety, handling, performance and durability, may otherwise be adversely affected and may violate government regulations. TATA MOTORS accepts no liability for damage resulting from the modifications or use of non-genuine accessories.
- Being an Electric vehicle with high voltage system, do not attempt to carry out any repair yourself. This could result in damage to the vehicle or personal injury to you or others. Contact our Authorised service dealer.
- All rights reserved. The information in this manual shall not be copied, translated or otherwise reproduced, in whole or in part, without written permission from TATA MOTORS.

<b>1</b>	<b>Know your EV</b>	<b>2</b>	<b>EV Charging</b>	<b>3</b>	<b>General Safety</b>
Important Information	1	Vehicle charging	7	Safe Driving	15
Safe Driving	1	Normal charging	7	Seat Belts	17
Electric Vehicle System	2	Charging point requirements	7	Child Restraint System (CRS)	21
Safety Precautions	5	Do's and Don't	8	Airbags	25
		Charging box details	9	Keys	31
		Fast charging	12	Child Lock	32
				Anti-Theft Device Immobilizer	33
				ABS	34
				Electronic brake force Distribution	35

## CONTENTS

---

<b>4</b>	<b>Opening &amp; Closing</b>	<b>5</b>	<b>Dashboard &amp; Features</b>	<b>5</b>	<b>Dashboard &amp; Features</b>
Flip Key	37	Cockpit	45	USB/AUX	66
Doors	39	Instrument Cluster	46	Steering mounted controls	66
Windows	40	Driver Information Display	48	Power Socket	67
Bonnet	42	Driver Information Settings	54	Antenna	68
Tail gate	43	Warning lamp	57	Roof Grab Handles	68
		Combi Switches	64	Tag Holder	69
		Mic	65	Roof Lamp	69
		Infotainment System	66	Front Lamp	70
				Tail lamp	70

## CONTENTS

<b>6</b>	<b>Stowage Areas</b>	<b>7</b>	<b>Climate Control</b>	<b>8</b>	<b>Starting &amp; Driving</b>
Glove Box	72	Air Vents & Distribution	77	Pre-Driving Checks	85
Driver Side coin box	73	Fully Automatic temperature Control	78	Driving Tips	86
Utility pockets on doors	73	HVAC sensors	83	Seat Adjustments	88
Center Console	74			Rear View Mirrors	89
Tail gate Compartment	75			Sun Visors	90
Card Holder	75			Steering Wheel Adjustments	91
Coat Hook	75			Steering Lock cum Ignition Switch	91
Collapsible Hook	76			Preparation for Starting	92
				Driving Modes	94
				Parking brakes	96

## CONTENTS

---

**8**

### **Starting & Driving**

Vehicle Parking for Long duration 98

Reverse Park Assist 98

**9**

### **Emergency & Break-down Assistance**

Emergency Equipment 101

Hazard Warning Switch 102

In Case of Flat Tyre 103

Towing 107

Fuses 109

**10**

### **Maintenance**

Maintenance & Service 117

E-box Compartment 118

Brake fluid 119

Windshield Washer fluid 119

Auxiliary Battery 120

Tyres 121

Key Battery Replacement 124

Service Instructions 126

Service Schedule 127

## CONTENTS

### 11 Technical Information

Lubricant Specification 131

Technical Specification 132

Vehicle Dimensions 135

Aggregate Identification Nos 136

### 12 Car Care and Value Added Services

Car Care 137

Washing 137

Waxing 138

Polishing 138

Interior Fabric Cleaning 138

Paint Care 139

Wiper Care 139

Value Added Services 140

### 13 Warranty – Terms and Conditions

Warranty –  
Terms & Conditions 145

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### IMPORTANT INFORMATION

In this Owner's Manual, you will find the text under the following headings, which highlights important information. Pay particular attention to these instructions.

#### 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 accurately in order to avoid the possibility of severe personal injury and serious damage to the vehicle.

#### CAUTION



CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury and/or property damage.



If you see this symbol, it indicates "no", "do not," "do not do this," or "never".

### 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 of 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 much familiar you are with your vehicle controls and its capabilities.

#### NOTE

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

## KNOW YOUR EV

### ELECTRIC VEHICLE SYSTEM

In Electric car, electrical energy is stored in rechargeable batteries. Compared with cars with internal combustion (IC) engines, electric cars are quieter (no noise) and have no emissions.

Car batteries must be charged before driving. As the car is driven, stored energy in the battery pack gradually decreases and if discharged completely to 10% then vehicle cannot be driven until battery pack is recharged. Charging time varies depending on state of charge in car and ambient conditions.

Auxiliary battery supports the VCU only to start the accessories.

Electric car is an eco-friendly vehicle that does not release any noxious emissions like carbon monoxide, carbon dioxide & nitrogen oxide, etc.

#### WARNING



- The EV (Electric Vehicle) system uses a high voltage current. Failure to follow the proper handling instructions may cause serious injury or death.
- An EV (Electric Vehicle) cannot be push started or tow-started. Attempting to do so may cause damage to the traction motor.
- The EV (Electric Vehicle) system uses high voltage up to approximately DC 72 volt. 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. Obey the labels that are attached to the vehicle.

### Li-ion Battery (72V)

As this is an electric vehicle, many electric and electronic parts are used in system.

Your vehicle contains a pack sealed Li-ion high voltage battery.

#### WARNING



For preventing damage to the Li-ion battery pack:

- Do not expose to very high temperatures for longer duration.
- Do not use car battery for any other purpose, Contact the TATA Authorised Service Centre.

### Emergency Situation

- The battery electrolyte is colorless and has a sweet odour. If electrolyte leaks and accidentally enters into eyes, rinse your eyes with clear water and get medical aid immediately. Do not rub your eyes as it may get worse.
- During usage and storage process of the battery, if you find any unusual smell, heat, color change, deformation or any other unusual activity, please cut off the power immediately.
- Explosion will not occur under extreme conditions, but the battery may smoke, for this situation the cell should be isolated from air by any measures except using water, such as covering with sand, or using carbon dioxide Fire extinguisher, dry powder fire extinguisher. The cell should be treated after smoke dispersing.
- If your vehicle is drivable, pull your vehicle off the road, shift to Neutral (N), apply the parking brake, and switch off the ignition. Open Bonnet and press service disconnect switch for turn the EV (Electric Vehicle) system off.
- The vehicle's 72V battery system is of Li-ion type and has solvents as electrolyte. In case of fire or any high impact accident that damages the battery, the first responder is advised to check vehicle for the extent of damage and any damages to 72V DC system. Do a check for any damage to the battery and its compartment.



Service disconnect switch

## KNOW YOUR EV

### Repairing Instruction

- Before remove any electrical and electronics component, switch the ignition OFF and press service disconnect switch (HV will disconnect immediately).
- Keep smoking materials, flames and sparks away from the Aux and HV batteries.
- Do not work with wet tools, clothing and jewelry.
- Do not reverse the polarity of battery terminals.
- Do not apply too much force while disconnecting the connector.
- During operation, please keep the battery away from heat source, fire source. Never beat, drop or shock the battery cell/pack.
- Do not turn over battery. Keep it from strike, throw, tread or bending.
- Do not make battery short-circuited, in order to avoid from danger incurring or battery damage.
- Install the safety caps

#### WARNING



Disassembling, removing or replacing those parts or cables can cause severe burns or electric shock that may result in serious injury or death. The vehicle high voltage system has no user serviceable parts. Take your vehicle to the TATA MOTORS authorized dealer for any necessary maintenance.

#### CAUTION



Vehicle uses a 72 volts battery system. Some of systems could be hot before & after their usage. Hence pay attention and follow warning labels located at places in vehicle. Never try to access, remove parts / cables / connectors which can cause shock or severe burns or result in serious injury. 72 voltage cables are color coded in Orange & systems are not user serviceable. For any maintenance, contact your authorized service center.

### Battery Disposal

- The Batteries need to be disposed in a cleaner and responsible manner.
- The batteries need to be disposed in a suitable boxes that does not create any short circuit or other damages.
- As batteries are made of lithium & iron phosphate with solvents as electrolyte which are harmful and these make impact on environment, if not disposed correctly. Batteries are disposed as per local pollution board regulations.
- The batteries should not be thrown into fire or water for disposal.
- Battery is made from steel, Aluminum, Lead, copper, other plastics, glass, rubber & misc. These are reusable by recycling & also some are hazardous to environment and living beings hence to be disposed as per local pollution board regulations.

### NOTE

*Owners who do not have their own recycling facility should get it done through agencies that are certified by competent national authorities. After disposal, the certificate of recycling has to be obtained and maintained by the customer for records. Hence it is advised to contact TATA MOTORS authorized service center the above.*

### WARNING



If the Li-ion battery is disposed incorrectly, there is a risk of severe burns and electrical shock that may result in serious injury or death and there is also a risk of environmental damage.

## SAFETY PRECAUTIONS

### Driving

- Drive your car in 'D' mode to optimize the drive range with moderate acceleration.
- Drive your car in 'S' mode only when you overtake vehicles and drive on slopes.
- Maintain recommended tyre pressure for best drive range & comfort
- Make sure that the batteries are charged before you plan for a drive.
- Always charge the car to full (100% SOC).
- Always use seatbelts for your own safety.
- Always use blower speed position 2 for better cooling of cabin or as desired by user to his comfortable cabin temperature.
- Set the switch to off drive system before leaving vehicle.
- Vehicle will not run with completely discharged battery. At low SOC

avoid repeated acceleration resulting in more energy consumption that can be avoided by gradual acceleration and maintaining steady speed.

- Vehicle driving style has a direct impact on battery capacity.
- Operate accelerator and brake pedal smoothly for better battery performance.
- Drive motor, brake vacuum pump In AC cooling, motor and condenser fan makes sound during braking operation.
- Cooling/Heating will be turned off (including blower) when SOC drops below 20%.

### NOTE

*Gradual/smooth braking lets the 'REGENERATION' mode and charge the battery and provide the extra range (DTE).*

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### VEHICLE CHARGING

Car requires charging of battery power pack once energy stored in it gets depleted.

There are two methods of charging battery.

1. Normal charging
2. Fast Charging

#### 1. Normal charging



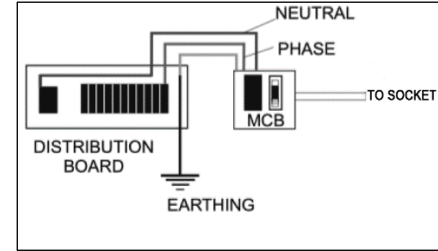
Normal charging Port is located on front bumper grill.

### CAUTION



- In case if the temperature of the batteries has reached to their maximum operating temperature, time to charge may increase and will be indicated on cluster. Charge time may vary. Always use charging cable provided by TATA motors for charging.
- Do not charge the car if water is found in the charging port and socket. For normal charging wet port we can clean with cloth and make it dry. But if it is a fast charging socket, please contact the TATA motors Authorized Service Centre.
- The charging cable is not plugged in while servicing.
- Do not charge the car in high ambient temperatures. Night time is the ideal time to charge the vehicle.

### Charging Point Requirements



#### Charging Point Specification:

- Power requirement: 3kW, Single phase.
- Plug socket : 15 A, 230V
- Wire thickness: 4sq mm for 25 meters, 6sq mm up to 100 meters length, from main source to power socket.

### NOTE

*Power point socket should be provided with MCB for protection.*

## EV CHARGING

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### Do's and Don't

- Inspect charging cable periodically for any damage like cracks, cuts, exposed wire, etc. Replace if required.
- Make sure that children are kept away from power source, on-board charge port during charging process.
- Make sure that the proper earthing, over voltage protection, earth line circuit breaker is provided to power source.
- Allow battery Pack to charge completely whenever possible.
- It is recommend not to stay in vehicle or access the vehicle during charging.
- Make sure that there are no foreign particles or water traces in charge plug or port as any of these can result in electric short circuit or shock causing serious injury or death. Hence do not touch metal contacts on cable or plug.
- When charging process is over, first switch off power supply. Then remove charging cable from socket, then car charge port, in order. Roll up and store charging cable in its compartment behind rear seat.
- Always engage parking brake before go out of car, and also engage parking brake in long signals too.
- Do not get any accessory installed by unauthorized person.
- Do not wash the vehicle while charging.
- Do not carry out charging procedure with wet hands.
- Do not let children or People having implanted medical electric devices near car while carrying out charging process.
- Pressure wash is not recommended near rear LH wheel arch
- Do not keep charge cable close to any heat source.
- Make sure that power is switch to off before you access the charge cable.
- Do not handle charger cable or port with wet hands as it may cause electric shock and injury.
- Do not pull or twist cable, set the switch to off then hold the charger port handle to remove it.
- Do not modify port or cable as it may be dangerous and cause fire.
- In there is an unusual odor or smoke coming from vehicle, and disconnect charging cable immediately and stop charging process.
- Always make sure that the charger cable is disconnected from on board charge port before to drive.
- Do not charge your car if external Power Source or on-board charge port are exposed to rain or water.
- Avoid frequent short charges.

- Do not change the battery frequently. Charge it when SOC is below 20%.
- Always use sports mode to avoid deep (faster) discharge of battery.
- Use fast charging only when it is very urgent or necessary. When possible use normal charging for vehicle.
- Between every three consecutive charging cycle it is recommended to have at least one complete 100 % charging operation.(Indicator for 100% charge is charging light in cluster turning into a solid green indication).
- It is recommended to avoid successive short duration charging operation. e.g charging only for 30%.
- If car keep Idle for long durations, disconnect negative terminal of Auxiliary battery. If you use the car after idle period requires a complete slow charge before use.

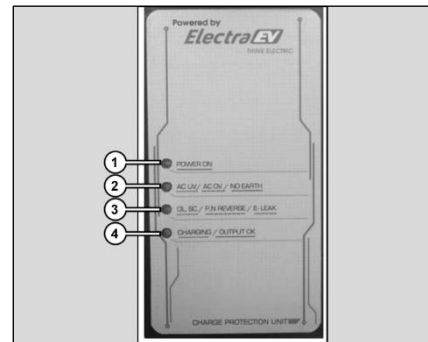
### NOTE

*Charger port cap must be always closed. So that dust, water does not go into the port.*

### EV usage guidelines

- Make sure that the first three charge cycles after delivery of vehicle are done via slow charger. During this 'running-in period' each charge cycle should be of minimum 8 Hrs duration (i.e overnight charge).
- After running-in period, it is recommended that to follow charging pattern of one fast charge cycle followed by one slow charging cycle.
- Drive cautiously and slowly when water levels up to 120 mm (Near to half of wheel).
- Make sure that water does not go into charge ports before insertion of charge cable.

### Charging box details



#### 1. Power ON (Yellow Light) –

AC 230V available.

#### 2. AC UV/AC OV/NO EARTH (Orange Light) –

Continuously blinking every second will indicate AC under Voltage fault (AC below 160V).

Continuously blinking every 2 second will indicate AC over voltage fault (AC above 250V).

## EV CHARGING

Continuously solid light will indicate Earthling not available.

### 3. OL, SC / P, N Reverse / E-leak (Red Light).

Continuously blinking every second will indicate over load fault or Short circuit fault (Charger Load side).

Continuously blinking every second will indicate Phase and Neutral reverse in line.

Continuously solid light will indicate AC line Earth leakage (Phase to Earth more than 5V).

### 4. Charging / Output OK (Blue Light) –

Blink charging, continuously ON (Output not connected RCD OK).

### Charging Procedure

Always charge your car with charging cable provided with car. It usually takes 9 Hrs. (XM,XT) & 11.30 Hrs. (XM+,XT+) to charge completely when the batteries are discharged. However, charging time can vary depend on battery and ambient temperature. This change in time is always indicated on the cluster in TTC (Time to Charge). To charge the battery, refer following instructions



Location of charging bag (below co driver)

Take out charging bag by removing both the strips.

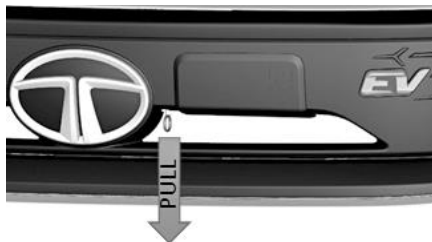


Normal charging Port is located on front bumper grill.



To remove the flap, gently pull the ring down.

## EV CHARGING



After open the flap, access the normal charging point.



Connect the charge cable to the charge port.

### NOTE

*This Normal charging procedure is replaced with previous procedure provided in Owner's Manual.*



- Change light (Green) indicator will flash continuously during charging. It will be continuously on till charging is completed.
- Once charging is completed, first switch off power supply, then remove charging cable from plug point and on-board charge port. Roll and keep charge cable in its location.
- To assemble, reverse the disassemble procedure.

## EV CHARGING

### CAUTION



- Battery charging time will be depend on environment temperature.
- If battery temperature increases to its maximum value the charging time is increased and it will take more time to charge.
- Since this is city vehicle most of the usage will happen in the day time, hence charging in the night is ideal. Also due to low ambient temperature in the night, it will ideal for charging process.
- Intelligent charging system. The vehicle has unique vehicle control unit (VCU) which controls the energy flow from power source to battery power pack through on board charger. Moreover, If any power disruption or power failure VCU remembers the point at which charging was stopped and will re-

sume from that point. It will determine when the vehicle is fully charged and will end the charging process accordingly.

### 2. Fast charging



Charge Port is located on the rear left side of the car.

Charge flap opening lever is located on the right hand side of the driver side.



### NOTE

*Fast charging cannot be done at home, this charging can be availed only at places where fast Charging stations are available.*



Time to charge the battery pack varies based on the state of charge, ambient & battery temperature. Hence charging time specified is an estimate and may vary. To charge the battery quickly in 90 minute (XM, XT) & 125 minute (XM+, XT+).

It is recommended to use the fast charging only in emergency and not always. To fast charge the battery refer following instructions.



Fast charging station

### Charging Procedure

- Park the vehicle. To access the fast charge port easily.

#### NOTE

*IF you are going for long vacation (more than week), press Service Disconnect Switch. Remove 12V Auxiliary Battery -Ve or +ve terminal. Removed Battery terminal should be wrapped by some insulation tape or masking tape.*

- To open the fast charge flap, use lever beside the driver seat. Open the cover to access fast charge port, now take the fast charge cable and put into the port. Make sure that the cable is completely pushed and locked into the charging port.
- Select the charging time on the fast charging unit and select start for charging the car.

## EV CHARGING

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- During charging, temperature of battery increases then battery cooling operation will start automatically.
- When vehicle is charged 100% SOC, press stop button on the station and dock back the fast charging cable back to station.

### 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

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

### Safety Tips

- Always take into account the road conditions, weather conditions, vehicle speed in order to prevent accidents.
- 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:

Never drive the car through the water. Your car may cause damage if water enters into the drive motor.

Do not turn on the ignition if the car gets flooded. Do not start the vehicle if the vehicle is flooded with water. Tow the car to a safe place.

Take the vehicle to nearest TATA MOTORS Authorized Service Centre to check an electronic components.

#### 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.

## GENERAL SAFETY

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### 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:

Use head lamp main/dip beam to alert other road users on turns/ cross roads etc.

Use side indicators for lane change or turning.

Switch on hazard warning switch in case of hazardous parking or if your vehicle is disabled to warn the passing traffic.

Maintain a speed such that you can stop within illuminated distance of head lamps.

### Climbing Sharp Gradients:

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

Shift the gearshift 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.

If you perform this operation for a certain period of time, this can also cause excessive damage to the clutch.

### Descending Sharp Gradients:

Always ensure the gear lever is selected in either D or S or R depending on the direction. Do not shift the gear lever 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.

## 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 minimise risk of severe injury or death.

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

## Buckling the Shoulder Seatbelt

- Grasp the tongue 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.*

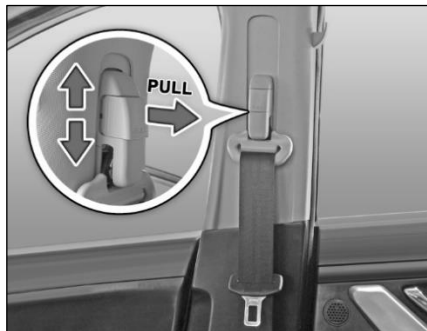
## Fixed rear centre lap seat belt

- When you put on the seat belt, make sure that you hear a click sound that the tab is latched into the seat belt lock. To tighten it, pull the loose end through the buckle until the seat belt is comfortably adjusted around the hips.

## GENERAL SAFETY

### Seat belt height adjustments (if Equipped)

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



#### NOTE

*The above image is for reference purpose only.*

#### WARNING



- Each seat belt assembly must only be used by one occupant. It is not recommended to put a seat belt around a child, being carried on an occupant's lap.
- Be careful not to damage or tamper the seat belt webbing or hardware. Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. A frayed or torn seat belt could rip apart in a collision and leave you with no protection.
- If the seat belt webbing or hardware is damaged, get it replaced immediately at TATA Motors Authorized service centre.
- Do not put any items such as coins, clips, etc. into the seat belt buckles, and be careful not to spill liquids into these parts. If foreign materials get into a seat belt

buckle, the seat belt will not work correctly.

- Do not wear seat belts over hard, sharp or fragile items in clothing, such as pens, keys, spectacles etc.
- Do not use any accessories on seat belts or modify in any way the seat belt system. Devices claiming to improve occupant comfort or reposition the seat belt can reduce the protection provided by the seat belt and increase the chance of serious injury in a collision.

### Seat Belts with Pre – tensioner (if Equipped)

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

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

In the 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 authorised TATA MOTORS 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 collision, get it inspected immediately at Authorised TATA MOTORS SERVICE Center.

### 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.



## GENERAL SAFETY

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### Seat belt Warning Lamp

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



For Driver



For Front Passenger

- If the driver does not fasten the seat belt, seat belt reminder lamp will flash and a buzzer will sound for pre-defined duration until the driver's seat belt is fastened.
- If front passenger seat is occupied by adult and does not fasten the seat belt, seat belt reminder lamp will flash and a buzzer will sound for pre-defined duration until the front passenger seat belt is fastened.
- If this system is also provided for other than Front row seats, applicable above warning will appear until seat belts are fastened.
- If front passenger seat is occupied by child, system may detect occupancy

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

#### NOTE

*Using unauthorized aftermarket seat cover may affect function of occupant sensor. TATA motors does not recommended any non-validated seat covers on seats.*

### Child Restraint System (CRS)

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

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

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

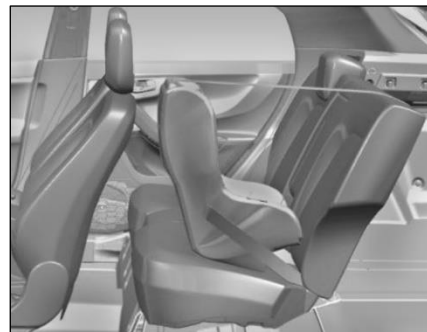
All children below age of one year must always ride in a rear-facing infant CRS.

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

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

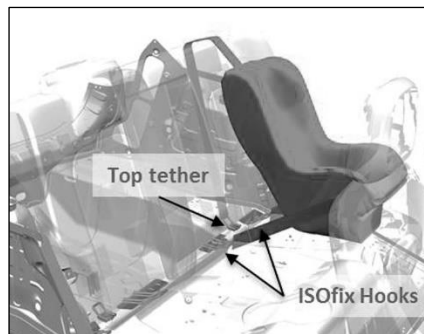
### Selection and installation of CRS

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



#### NOTE

*The above images are for reference purpose only.*



## GENERAL SAFETY

### Recommended CRS position as per the vehicle matrix

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

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

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

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

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

### WARNING



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

### WARNING



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

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

### WARNING



- Children could be endangered in a collision if their CRS are not properly secured in the vehicle. Be sure to secure the child in the restraint system according to the manufacturer's instructions.

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

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

### NOTE

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

### WARNING



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

### NOTE

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

## GENERAL SAFETY

Each CRS should be used for one child only.

If the airbag SRS warning indicator in the instrument cluster illuminates continuously, it means that there is malfunction in the system. Remove the CRS from front passenger seat and contact your TATA MOTORS authorised service center.

### NOTE

*The images shown are for reference purpose only.*



### 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

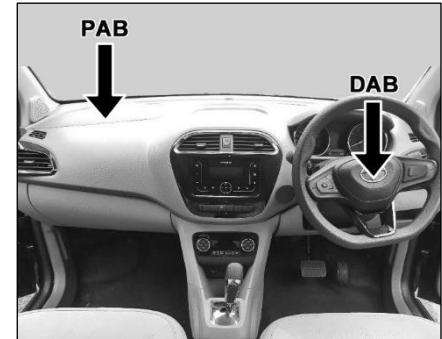
The System is active when ignition switch is in the "ON" position or the ignition mode is "ON". Air bags are designed to inflate in collisions when required. In the event of a collision, the collision sensors will detect signals, and if the Airbag ECU judges that the signals represent a severe collision, 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.*

## GENERAL SAFETY

### 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 centre of the steering wheel. The front passenger airbag is located inside the dashboard in front of the passenger seat. The vehicle fitted with the airbags have suitable indications on steering wheel and on 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, centred on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor until the

vehicle is parked and the 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



### Wrong seating positions



## GENERAL SAFETY

### 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 authorised service centre if the vehicle is damaged, even if airbag has not inflated.
- ALWAYS contact your TATA MOTORS authorised service centre if any part of an airbag module cover shows sign of cracking or damage

### WARNING



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

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

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

### WARNING



- Never make any modifications to your vehicle. The modifications carried out, but not limited to the vehicle frame, bumpers, front fenders, ride height, suspension, seat belts, interior trims, steering wheel (especially holders), are not acceptable. This will affect the intended performance of SRS.
- Fitment of bull bars, seat covers on seats with airbags etc, is strictly prohibited, unless authorised by TATA MOTORS. This will affect the intended performance of SRS.
- If you need to make any modifications to accommodate any disability you may have, please contact your Authorized TATA MOTORS Dealer for necessary guidance.
- Do not tamper with SRS in any way. This will lead to unexpected

performance of system and may cause serious injury or death

### 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.

## GENERAL SAFETY

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### **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.

## KEYS

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 engaged 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 find the key, contact the nearest TATA MOTORS authorized dealer 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.

## GENERAL SAFETY

### CHILD LOCK (If Applicable)



The rear doors of the vehicle have child proof locks. Push the lock lever located on vertical face of the door downward before you close the door. The door which is locked by activating the child lock cannot be opened from the inside. It can be opened only from the outside.

#### NOTE

*Lift the lock lever upward to deactivate the childproof lock when not required.*

*Child safety lever is used for safety of child. When child seat in the passenger seat, child lock prevent the child to open the rear door. It also prevent the accident while vehicle is running.*

### Anti-Theft Device-Immobilizer/ PEPS (if applicable)

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	<ul style="list-style-type: none"> <li>- Problem with key (Wrong key used to start vehicle)</li> <li>- Problem with Immobilizer system. Contact the TATA MOTORS Authorized Service Centre</li> </ul>
Ignition ON	Blinking	Unlocked	Contact the TATA MOTORS Authorized Service Centre immediately

## GENERAL SAFETY

### 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 steering 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 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 engine compartment, which is normal during ABS braking.

#### WARNING


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

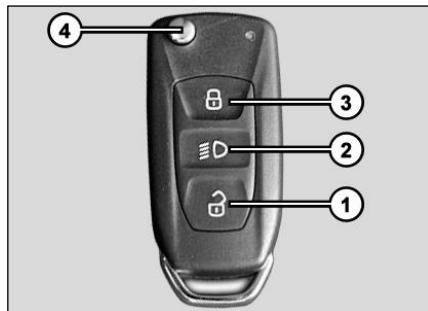
**WARNING**

- 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 a TATA MOTORS Authorized Service Centre as soon as possible.

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## OPENING AND CLOSING

### Flip Key (if applicable)



1. Unlock
2. Approach Light /follow me
3. Lock
4. Key blade in / out button

#### 1. Unlocking all doors

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

#### 2. Approach light / Follow me (If applicable)

Press approach light button (2) once, low beam, park and roof lamp will turn 'ON' for 60 seconds (default setting). This feature helps to find and reach the parked vehicle or to reach home in dark/ cloudy condition after parking. Red LED will be flashed on the remote. To switch 'OFF' the approach lights, press and release the same button or it automatically turns 'OFF' after 60 seconds.

#### NOTE

*Follow-me Home headlamp activation switch is applicable only in XT&XT+ versions.*

#### 3. 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.

#### 4. 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.



## OPENING AND CLOSING

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### 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.

### E-Key Features

#### Automatic activation of immobilizer

If key is removed from ignition, the vehicle will be immobilized automatically even if you forget to lock the vehicle.

#### Auto locking / unlocking of doors

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

When ignition key is taken out all the doors get automatically unlocked.

#### Auto relock

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

#### 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 operate Unlock push-button of remote while in the vicinity of your vehicle, as it could lead to an unintentional unlocking your vehicle.

Don't use discharged batteries in remote, as it could damage the remote.

For battery replacement procedure refer maintenance section.

Don't remove the battery connection of the vehicle while the vehicle has been locked by remote.

### DOORS

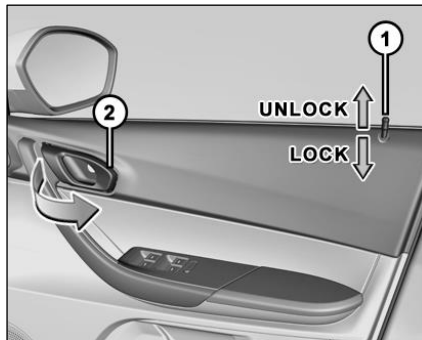
#### Door locking / unlocking with key

Driver door has separate locking facility. All doors can be locked or unlocked from outside using the key.



Engage the key and turn it clockwise to lock and counter clockwise to open the door.

#### Locking without a key from inside



All the doors can also be locked from inside by pressing knob (1) on driver door and independently on other doors respectively.

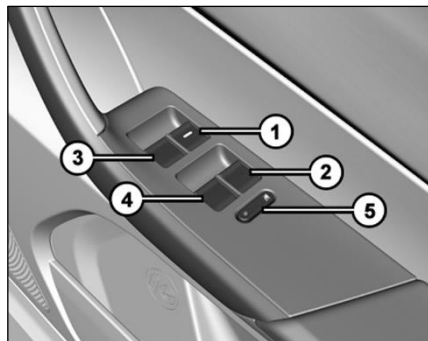
#### Opening the doors from inside

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

## OPENING AND CLOSING

### WINDOWS

#### Power windows (If equipped)



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

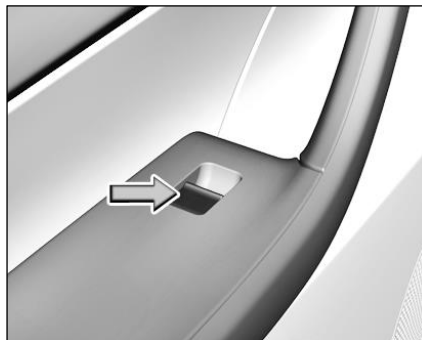
The power window glasses can be operated by switches provided on the main control panel located on the driver's arm rest. They work only when the key is in the 'IGN ON' position.

#### NOTE

*Power windows can be operated for 3 minutes in 'IGN OFF' position and when key is taken out.*

#### Individual switches

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



Glasses are wound up and down by pulling the switch.

#### WARNING



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

### Inhibit switch



### Inhibit OFF (Released position)



When switch is released, the individual switches provided on rear passenger door can be operated. It can also be operated from the switches on driver's arm rest.

### Inhibit ON (Pressed position)



When this switch is pressed the individual switches provided on rear passenger doors cannot be operated. It can only be operated by using the window switches on driver's arm rest.

### WARNING



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

## OPENING AND CLOSING

### BONNET

#### Opening

##### WARNING



Always switch off the ignition before opening the bonnet.

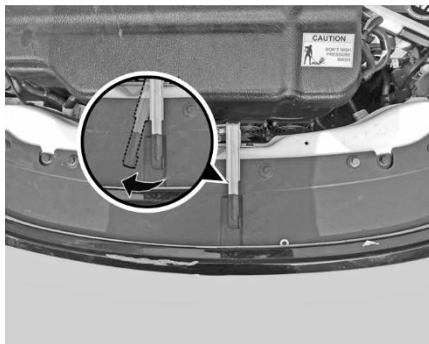
1. Make sure that the vehicle is in neutral position with the parking brake applied.
2. Pull the bonnet release lever. The bonnet will pop up slightly.



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.

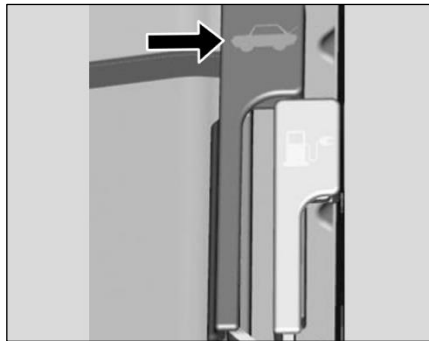
##### WARNING



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

### TAIL GATE

#### Option I



Tail gate Opening Lever is located on the right hand side of the driver seat. Lift the lever to unlock tail gate. Lift the tail gate.

#### Option II

It can also be opened by using door key,

The lock is located on the tail gate.

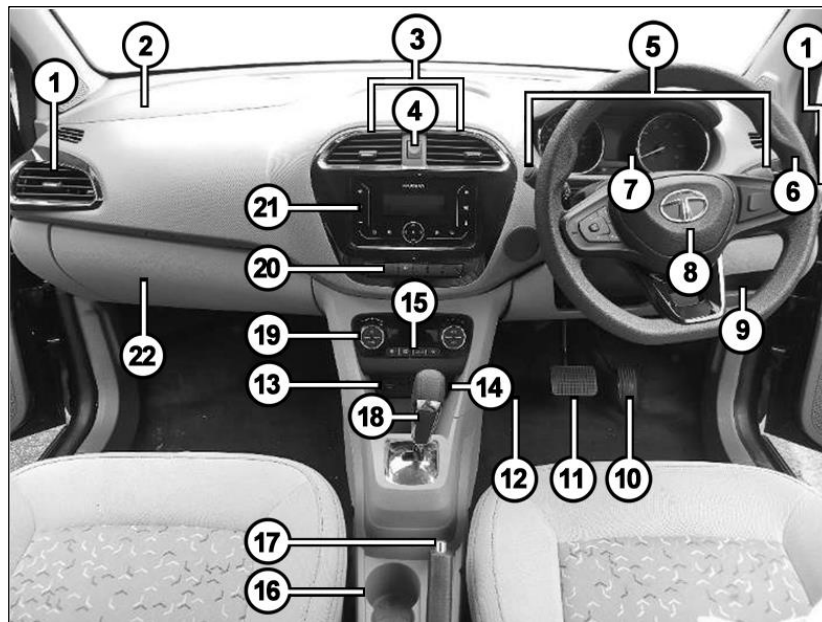
To close, pull the tail gate down and close it with a slight swing.



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## DASHBOARD AND FEATURES

### Cockpit

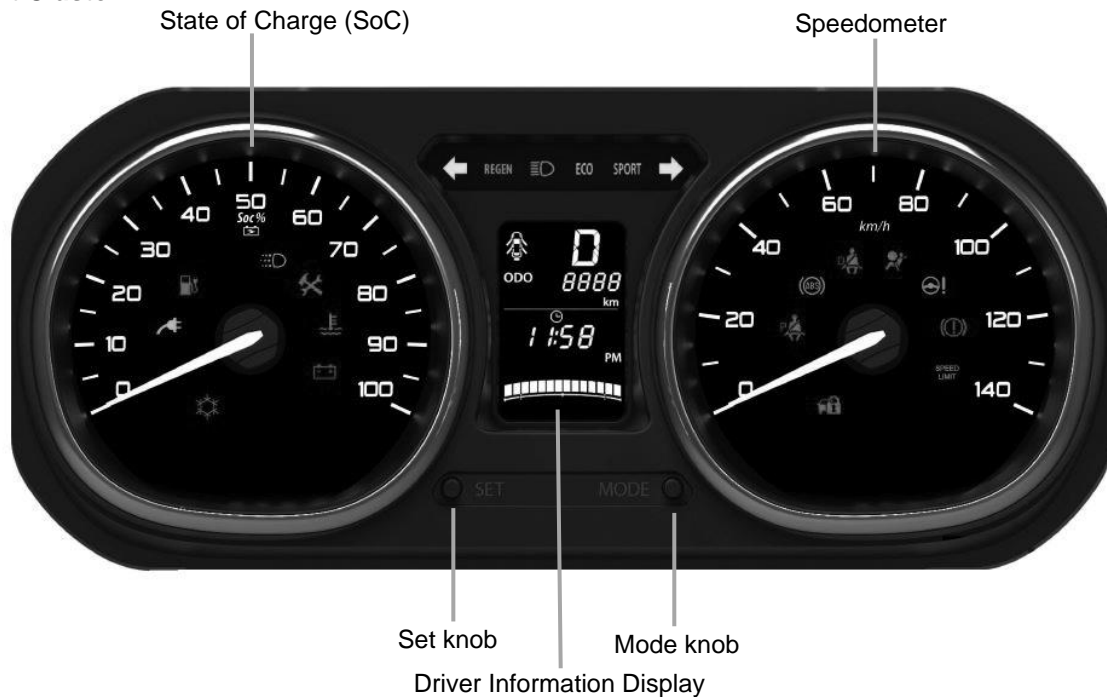


The above shown image is for reference purpose only.

1	A.C. Air vent (Side)
2	Air Bag (PAB)
3	A.C. Air vent (Middle)
4	Hazard Warning Switch
5	Combi-Switch
6	Steering Wheel
7	Instrument Cluster
8	Horn pad / Air Bag (DAB)
9	Driver side pocket
10	Accelerator Pedal
11	Brake Pedal
12	Foot Rest
13	USB/AUX Port - if fitted
14	Power Socket
15	FATC switches
16	Cup Holder
17	Parking Brake Lever
18	Gear Shift lever
19	FATC Control panel
20	Fascia Switches
21	Infotainment System - if fitted
22	Glove Box

## DASHBOARD AND FEATURES

### Instrument Cluster



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

## DASHBOARD AND FEATURES

### State of Charge (SoC)



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

#### NOTE

*At every key in and Ignition ON, SoC Gauge needle moves to MAX and comes back to '0' position. This is a welcome strategy and self-check feature.*

### Speedometer



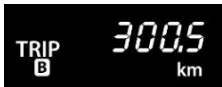



Speedometer indicates the vehicle speed in km/h.

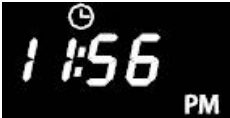



#### NOTE

*At every key IN and ignition ON, the Instrument Cluster needles and gauges move to MAX. and return to '0' position. This is a welcome strategy and a self-check feature.*







## DASHBOARD AND FEATURES

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.
Trip meter 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.
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. <b>NOTE:</b> If DTE is displayed as ‘—’, take your vehicle to authorized TATA MOTORS 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 DTE shown and kilometer driven will vary than display.









## DASHBOARD AND FEATURES

Driver Information	System Image	Description
Clock		<p>When the ignition switch is in the “ON” position, it shows the time.</p> <p><b>NOTE:</b> You can change the clock time using SET and MODE buttons.</p> <p>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.</p>
Service reminder	 	<p>Indicates the number of days/kilometers in which service is due. If service is overdue, it will display “0” km or “0” days and spanner symbol will blink.</p> <p>Never reset the display between service intervals otherwise, this may result in to incorrect readings.</p> <p>Information is retained in the service interval display also after the vehicle battery is disconnected.</p> <p><b>NOTE:</b> This option is for indicative purpose only. Keep track of your odometer reading and follow the maintenance schedule.</p>
Night time Illumination control		<p>Instrument cluster illumination in night time can be controlled in 5 steps as per user’s convenience using SET and MODE button. Refer settings flow.</p>



## DASHBOARD AND FEATURES

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.  <b>NOTE:</b> 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.  <b>NOTE:</b> If any other door is open roof lamp will be 'ON' provided that roof lamp switch is in  position.
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.  <b>NOTE:</b> If TTC is displayed as '—', take your vehicle to authorized TATA MOTORS service station.
AC Set Temperature		Indicates the user 'SET' temperature of FATC System from 'LO' to 'HI'. It indicates in "°C" with a Resolution of 0.5 °C.  <b>NOTE:</b> If AC Set temperature is displayed as '—', take your vehicle to authorized TATA MOTORS service station.

## DASHBOARD AND FEATURES

Driver Information	System Image	Description
Current Gear Indication	 LOP Mode  SPORT  Drive/Forward  Neutral  Reverse	<p>Current gear selected position will be displayed on DIS.</p> <p>Limp Home Mode (LOP) - It Indicates Limited Performance.              Limp Home &lt; 10% SOC  <b>Note:</b> In Limp Home mode D &amp; S mode will not work</p> <p><b>Note:</b> If  is displayed, it means 'Fault' condition. In such case, take vehicle to authorized TATA MOTORS service station.</p>
Digital Efficiency Gauge		<p>This Gauge represents the energy consumption at different driving modes in Bar Graph Form.</p> <p>When Vehicle in SPORT Mode 4 bars will be displayed in the gauge along with SPORT Indication. This indicates that the user is giving more acceleration and it will lead to quick battery discharge.</p> 

## DASHBOARD AND FEATURES

Driver Information	System Image	Description
		<p>When you drive the vehicle in ECO mode, 10 bars will be displayed along with ECO indication. This Indicating user is driving in less power consumption and economical.</p>  <p>When you drive the vehicle in Regeneration mode, 14 bars will be displayed along with 'Regen' indication. This indicating Regeneration mode is activated in vehicle during braking and charge the battery.</p> 

### Distance to empty (DTE)

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

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

#### **NOTE**

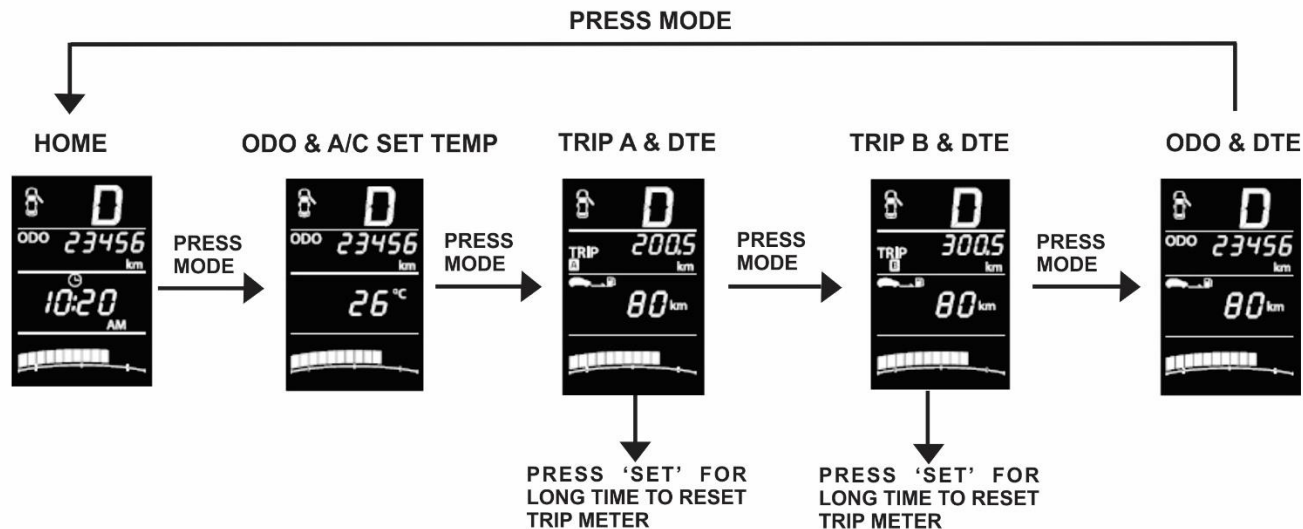
*If DTE is displayed as '—', then take your vehicle to TATA MOTORS Authorized Service Centre.*

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 DTE shown and kilometer driven will vary than display.

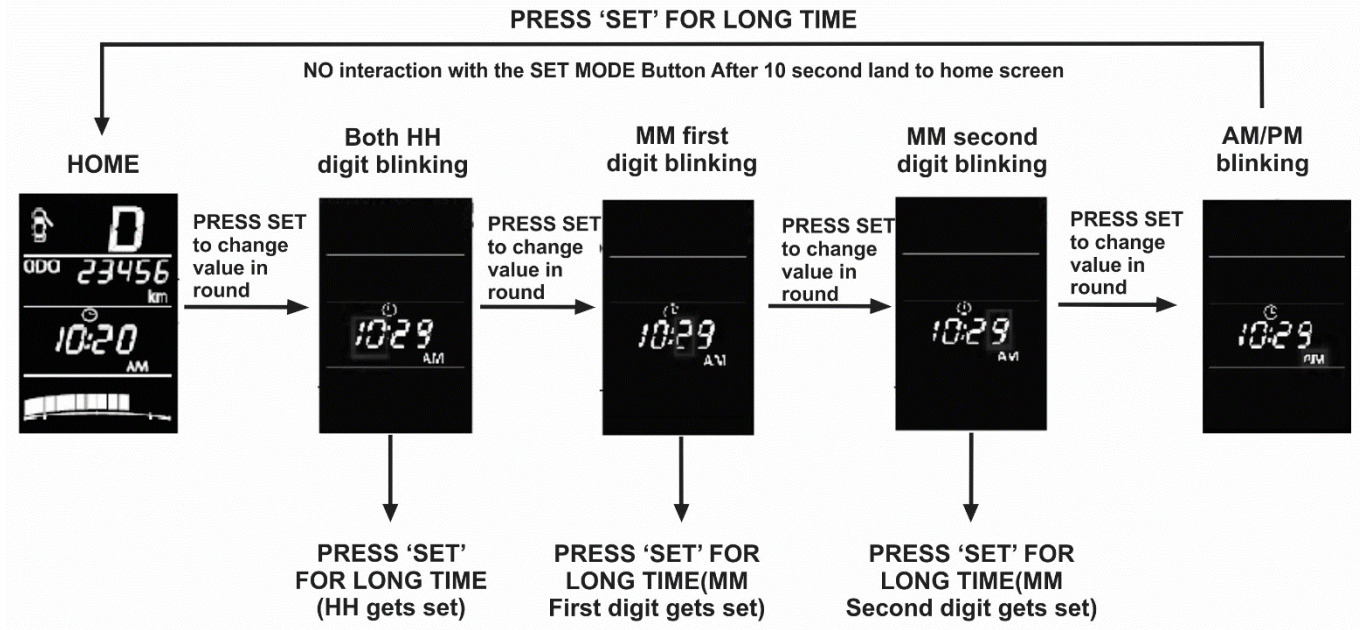
## DASHBOARD AND FEATURES

### Driver Information Settings

Screen flow of Instrument cluster

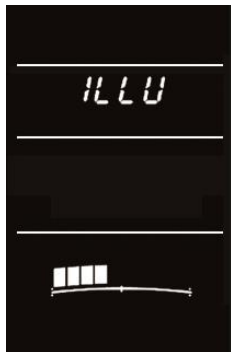


### Clock setting



## DASHBOARD AND FEATURES

### 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 be done only when the vehicle is in stationary condition for safety purpose.


## DASHBOARD AND FEATURES

Warning 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		<ol style="list-style-type: none"> <li>1. Illuminates when the system disables vehicle, start if the original key is not used.</li> <li>2. Lamp blinks: Vehicle is in immobilized condition when key is not engaged.</li> <li>3. Lamp ON: Problem with key/system. Contact a TATA MOTORS Authorised Service Centre.</li> </ol>
Battery charging	Red		<p>This symbol indicated Low Voltage Level of Auxiliary (12V) battery System &amp; lights up when the 'IGN' is turned 'ON' for 4 Sec &amp; goes OFF afterwards.</p> <p>It will continuously illuminate when there is malfunction of charging system. Contact a TATA MOTORS Authorised Service Centre.</p>
EPAS	Amber		<p>Illuminates momentarily when ignition is switched 'ON'.</p> <p>Illuminates when there is a fault in the EPAS. Contact a TATA MOTORS Authorised Service Centre immediately.</p>




## DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
Park Brake / Brake Fluid Low	Red		<p>Illuminates momentarily when ignition is switched 'ON'. Once parking brake is released, it turns 'OFF'. If it remains 'ON', it indicates</p> <ol style="list-style-type: none"> <li>1. Brake fluid level is low.</li> <li>2. Park brake is applied &amp; turns 'OFF' when it is released.</li> </ol>
Driver Seat belt indicator	Red		<p><b>Driver Seatbelt Reminder</b></p> <p>The driver seatbelt warning indicator comes ON for 4 seconds, when ignition is turned ON</p> <p>The warning lamp remains ON as long as the driver seatbelt is fastened.</p> <p>If the seatbelt remains unbuckled and vehicle goes 15 Kmph then final warning audio chime will start and continue for 90 seconds.</p> <p><b>Note:</b></p> <p>Once the seatbelt is fastened the buzzer and warning lamp goes OFF.</p> <p>Seatbelt reminder remains OFF when reverse gear is engaged.</p>
Airbag status	Red		<p>Illuminates when ignition is switched 'ON' and goes 'OFF' in approx. 4 seconds. If it continuously illuminates or blinks then contact the TATA MOTORS Authorised Service Centre immediately.</p>





## DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
Front Passenger Seat belt indicator	Red		<p><b>Front Passenger Seatbelt Reminder</b></p> <p>The co-driver seatbelt warning indicator comes ON for 4 seconds, when ignition is turned ON</p> <p>The warning lamp remains ON as long as the co-driver seatbelt is fastened.</p> <p>If the seatbelt remains unbuckled and vehicle goes 15 Kmph then final warning audio chime will start and continue for 90 seconds.</p> <p><b>Note:</b></p> <p>Once the seatbelt is fastened the buzzer and warning lamp goes OFF.</p> <p>Seatbelt reminder remains OFF when reverse gear is engaged.</p> <p><b>Occupant Detective System</b></p> <p>An occupant detection sensor is installed in the front passenger seat to detect whether the seat is occupied or not. The sole purpose of this sensor is to issue seat belt reminder warnings for the front passenger seat. The sensor does not have any control on the deployment of airbags.</p> <p><b>WARNING:</b></p> <p>Any modification in the seat material or addition of seat cover may damage or affect the performance of the sensor.</p>



## DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
High Temperature	Red		<p>Illuminates momentarily when ignition is switched 'ON'.</p> <p>The high temperature warning lamp flashes when the temperature in motor, motor controller, battery and charger is reached to their maximum operating temperature. Contact a TATA MOTORS Authorized Service Centre immediately.</p>
Low/Zero Indicator	Red		<p>Illuminates momentarily when ignition is switched 'ON' and goes 'OFF'.</p> <p>This indication will be 'Blinking' or 'ON' depending upon the Battery SoC level criticality. Charge the Battery whenever the Indicator is 'Blinking' or 'ON'. If the Indicator remains 'ON' while charging, it indicates problem in charging. Contact a TATA MOTORS Authorized Service Centre immediately.</p>
Charging	Green		<p>Illuminates momentarily when ignition is switched 'ON' and goes 'OFF'.</p> <p>This indication will blink during charging &amp; remains ON when the Charge is completed.</p> <p>If the Indicator remains 'ON' while charging, it indicates problem in Charging. At this stage Contact a TATA MOTORS Authorized Service Centre immediately.</p>

## DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
Regeneration	Blue		Illuminates momentarily when ignition is switched 'ON'. This symbol comes ON when Regeneration efficiency mode is activated in vehicle during braking. Gradual braking will enable the REGENERATION Mode and charge the battery and provide the extra range (DTE).
ECO	Green		Illuminates momentarily when ignition is switched 'ON'. ECO indicates Economy drive. This mode is used to achieve better ECO efficiency. It is default mode.
SPORT	Amber		Illuminates momentarily when ignition is switched 'ON'. This indicates when vehicle is in a SPORT mode. Select "S" mode only while overtaking vehicles or climbing ramp/up-hill, if necessary. Driving in sport mode drains battery fast.
Service indicator	Red		This indicator will 'ON' when there is fault in Charging, Battery, Motor, Motor Control. If this indicator is 'ON', check service disconnect switch status. If problem continues, even after service disconnect switch released. Switch off and On the vehicle once. If problem continues, contact the TATA MOTORS Authorized Service Centre immediately.

## DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
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.
Speed limit warning indicator	Amber		Speed Limit warning indicator comes 'ON' for a few moments, when ignition is turned 'ON'. When Vehicle Speed cross 80kmph then Speed Limit Warning Indicator will turn ON along with audio warning every two minutes. If Vehicle Speed crosses 120kmph then along with Speed Limit Warning Indicator, audio warning will remain on until the vehicle speed is above 120kmph. Once Vehicle Speed comes below 120kmph but is still above 80kmph, then a continuous beep (audio warning) will stop but Speed Limit Warning Indicator will be ON continuously with audio warning once in two minutes. When vehicle speed is below 80kmph, then Speed Limit Warning Indicator along with audio warning is OFF.

### **Park brake 'ON' reminder**

If Park Brake is applied and vehicle is driven, telltale will turn 'ON'. Disengage the park brake to turn off telltale.

### **Reverse gear reminder**

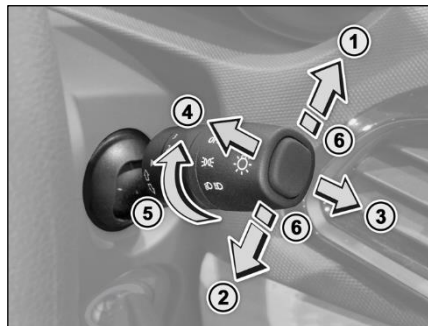
If Park Brake is applied and vehicle is driven, telltale will turn 'ON' and buzzer will provide audio warning continuously. Disengage the park brake to stop audio warning.

### **Seat belt reminder**

If driver seat belt is not fastened and vehicle speed goes above 25 kmph, audio alarm will start and continue for 90 seconds. If driver seat belt is still not fastened within 90 seconds, audio alarm will continue for next 90 seconds. Seat belt telltale will remain continuously 'ON' when audio alarm is active.

## DASHBOARD AND FEATURES

### Combi-Switch (RH Stalk)



- 1. Left Turn signal** - Move the lever fully upward.
- 2. 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 usual position.*

**3. High beam** - Move the lever forward to select the High Beam function. Pull the lever back to its usual position for low beam.

**4. 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.

### 5. Headlamp Rotary Switch

#### i) OFF Position



All lamps will remain 'OFF'.

#### ii) Parking Lamp



Rotate stalk to turn 'ON' the Parking lamps.

#### iii) Low Beam



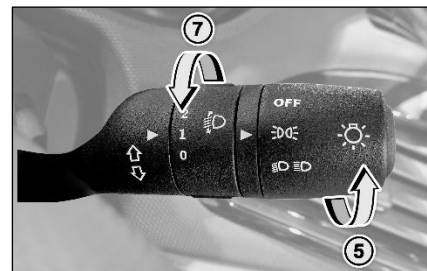
Rotate stalk to turn 'ON' the Low Beam function.

### 6. Lane Change Signal

To signal a lane change, move the lever slightly up or down respective to the

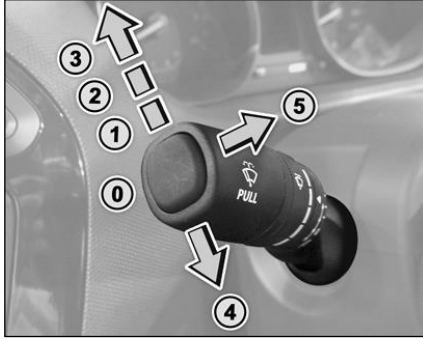
point where the turn signal light begins to flash, but the lever does not latch. The turn signal will flash 3 times automatically.

### 7. Head lamp leveling rotary switch



Inner rotary switch on right hand stalk is provided for head lamp leveling. With the inner rotary switch, Head lamp leveling can be done with head lamp in Low Beam and in 'ON' position. Select correct position before start of trip and vehicle is stationary. Depending 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 3 level positions.

### Combi-Switch (LH Stalk)



#### 0) 'OFF' Position

The wiper is switched 'OFF'.

#### 1) Intermittent wipe

Push the stalk upwards to operate intermittent wipe.

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



#### 2) Slow Wipe

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

#### 3) Fast Wipe

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

#### 4) Flick wipe (spring return)



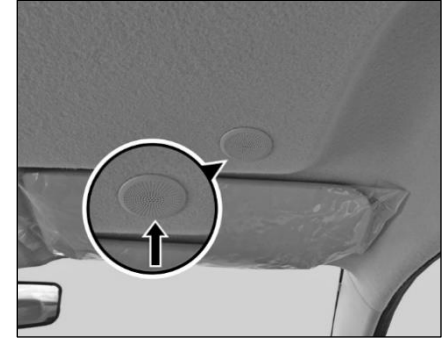
Pull the stalk downwards and hold it for continuous wipe, the wiper continuously wipes across the windshield at low speed till the stalk is released.

#### 5) Front Windshield Washer



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

### Mic



A mic is provided on roof interior above driver seat position.

### Speakers (if equipped)

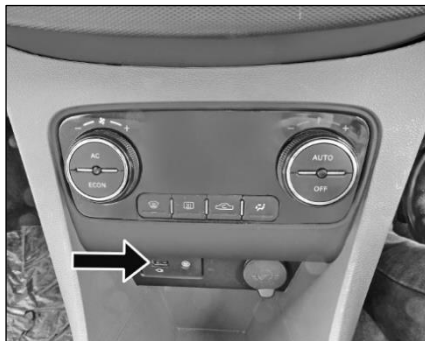
Speakers and tweeters are provided on models with infotainment system. While provisions are given for music system and speakers on versions without infotainment system.

## DASHBOARD AND FEATURES

### Infotainment System (if equipped)

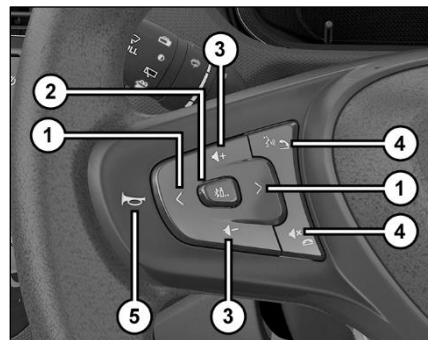


### USB/AUX Port (if equipped)



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

### Steering mounted controls (LHS) (if available)



#### 1. Seek forward/backward



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

#### 2. Source

Press above switch to select the required source in



## DASHBOARD AND FEATURES

the infotainment system i.e. USB, AM, FM and Bluetooth.

### 3. Volume



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

#### 4a. Mute/phone reject

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



#### 4b. 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 CarPlay 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

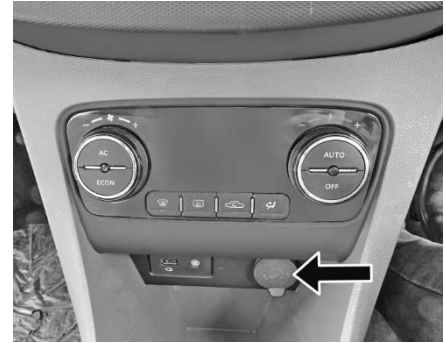
*For more information related to steering mounted controls, refer the infotainment manual.*

*((Refer link -<http://service.tatamotors.com/content/owners-manual> )if applicable)*

### 5. Horn button

Press to operate the horn.

### Power Socket (If equipped)



A power sockets is provided on dashboard. 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.

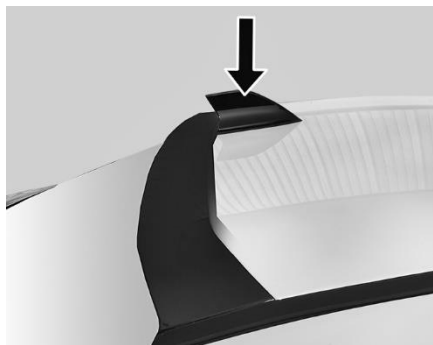
## DASHBOARD AND FEATURES

### NOTE

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

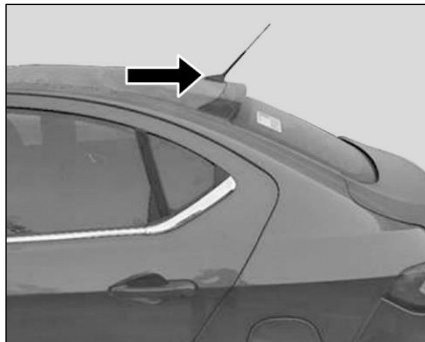
### Antenna

#### Option I



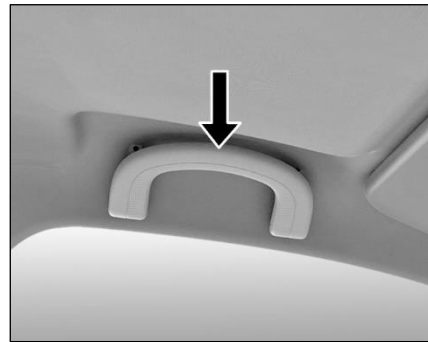
Shark fin antenna is provided on the roof at rear end.

#### Option II



Antenna is located on the roof. Turn the antenna anticlockwise to remove it from the vehicle, if required.

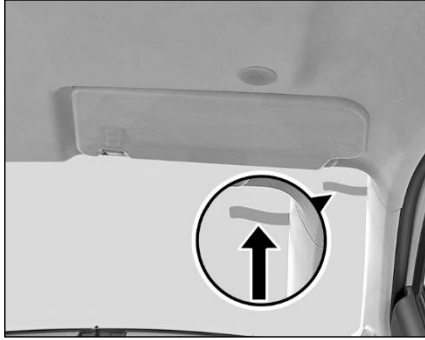
### Roof Grab Handle



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.

## DASHBOARD AND FEATURES

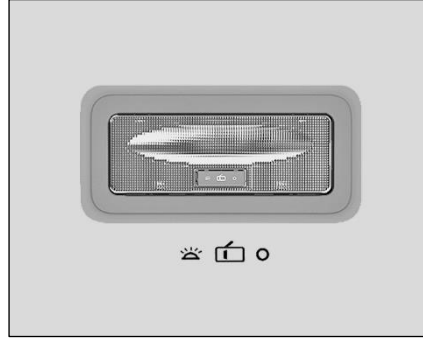
### Tag Holder



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 with inbuilt switch.



The switch has three positions:

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



**DOOR** - In this position the lamp turns to 'ON' when either of the doors are opened. When the last door is closed, the lamp will turn 'OFF' with dimming. This helps

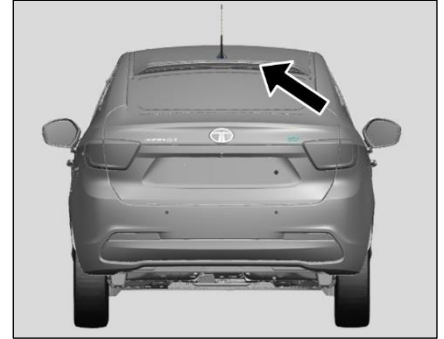


settling in the seat and inserting the key in the ignition switch. When the key is turned to the 'IGN' position, the lamp goes 'OFF' immediately.

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



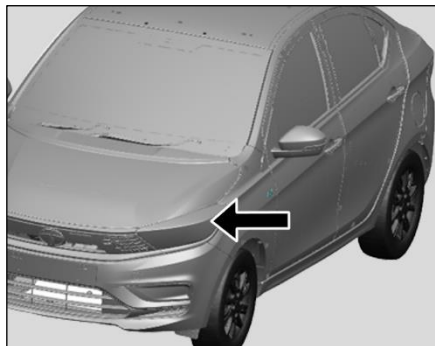
### High mounted stop lamp



## DASHBOARD AND FEATURES

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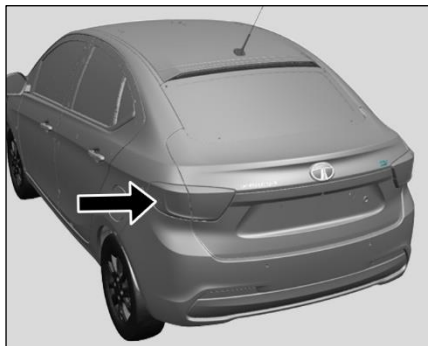
### Front Lamp



Front lamp consist of:

1. Position /Turn indicator lamp
2. High beam lamp
3. Low beam lamp
4. Front fog lamp (if available)
5. DRL (if available)

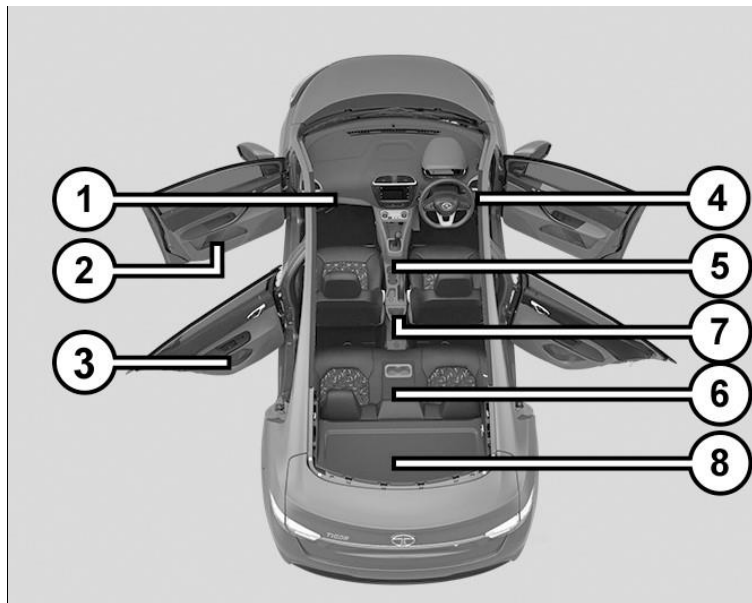
### Tail Lamp



Tail lamp consist of:

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

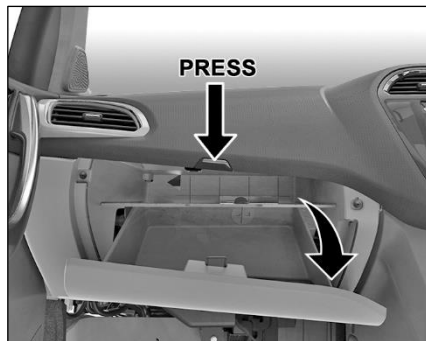
### Storage Compartment



- |                                   |                               |
|-----------------------------------|-------------------------------|
| 1) Glove box                      | 5) Center console             |
| 2) Utility pockets on front doors | 6) Foldable arm rest          |
| 3) Utility pockets on rear doors  | 7) Stowage for rear passenger |
| 4) Driver side pocket             | 8) Tailgate compartment       |

## STORAGE AREAS

### 1) Glove box



#### i) Opening and closing

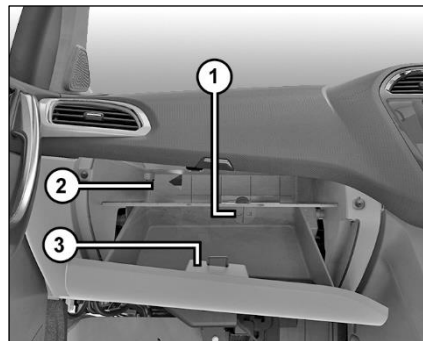
**To open** - Press the knob and open the glove box flap.

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

#### NOTE

*Make sure that glove box flap is closed while driving.*

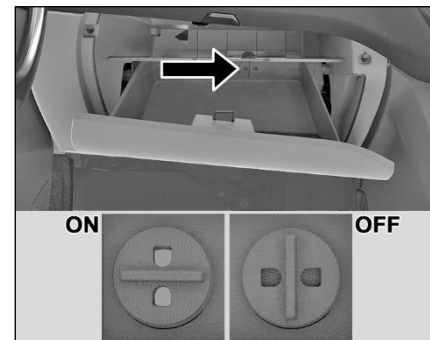
### ii) Stowage detail (if available)



Following items can be stowed in glove box.

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

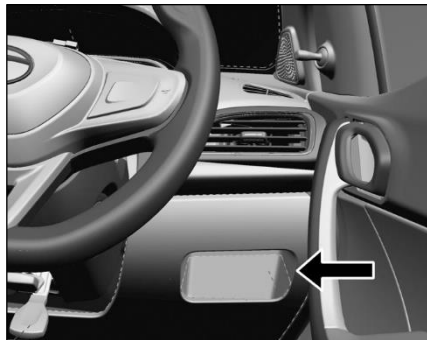
### iii) Cooling facility (if available)



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.

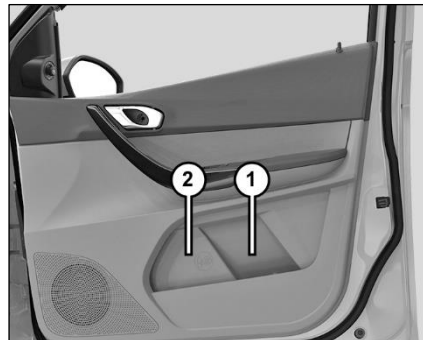
## STORAGE AREAS

### 2) Driver side coin box



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

### 3) Utility pockets on front doors



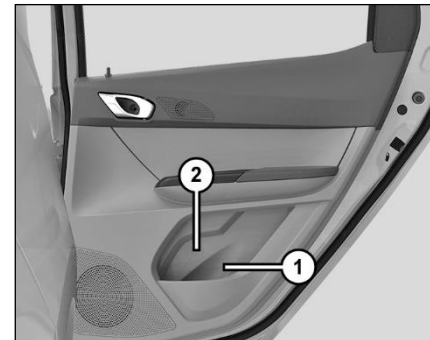
Utility pockets are provided on front doors and it can be used to keep following items.

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

#### NOTE

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

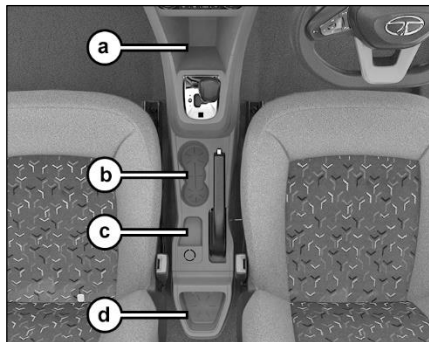
### 4) Utility pockets on rear doors



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

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

### 5) Center console



#### a) Stowage compartment

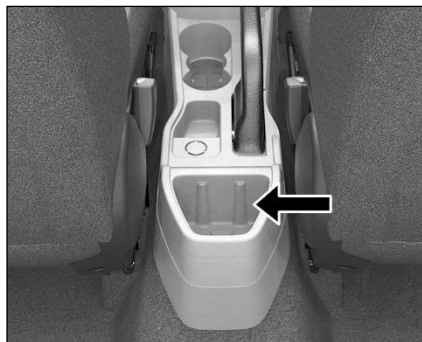
Stowage compartment provided for keeping cell phones, iPod's, chargers etc.

#### b) Cup holder

#### c) Coin storage

#### d) Bottle holder

### 6) 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



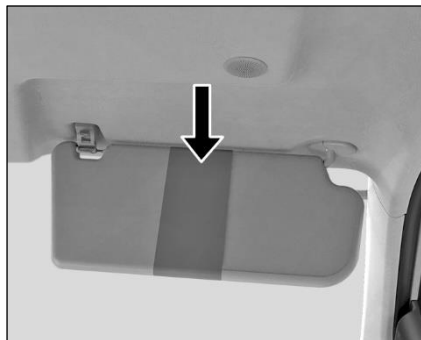
Store the luggage in tail gate.

#### WARNING

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

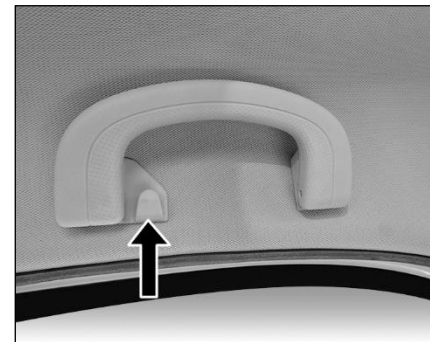
### Card holder (If available)



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

### HOOKS (if available)

#### i) Coat Hook

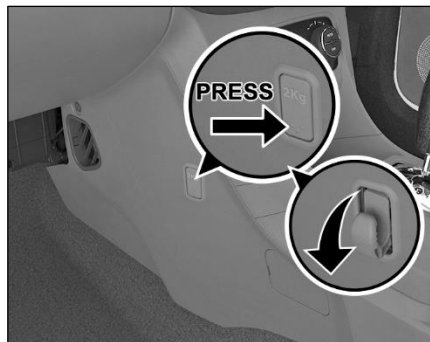


Coat hanger is provided for rear passenger on right side grab handle.

#### NOTE

- *The coat hook is not designed to carry heavy objects or luggage items.*
- *Do not hang hard, sharp-edged or fragile objects on the coat hook.*

### ii) Collapsible hook



Collapsible hook is provided for hanging small carry bags etc.

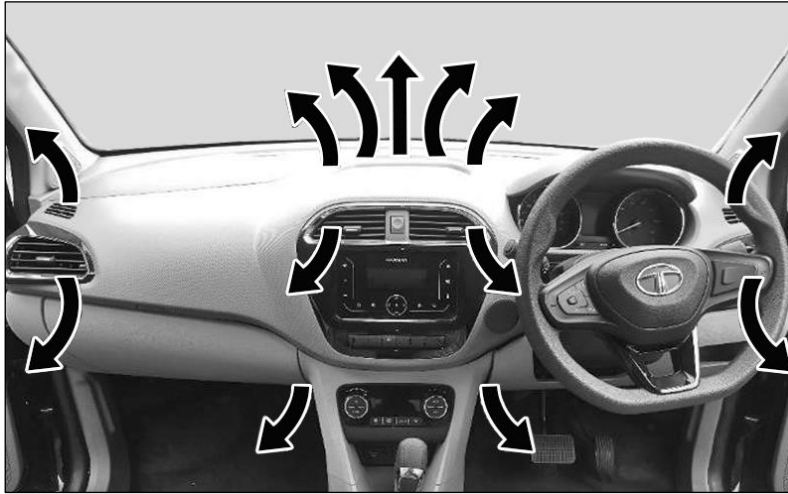
#### **NOTE**

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

## CLIMATE CONTROL

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.

**AIR DISTRIBUTION-** 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.*

## CLIMATE CONTROL

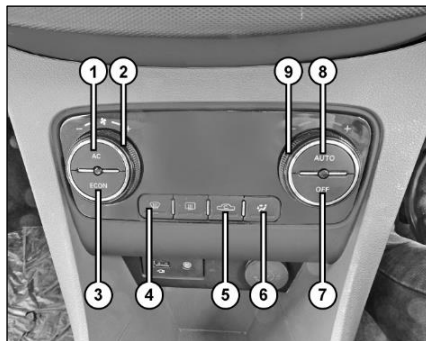
### Air vents

Air vents are available on the dashboard. Adjust the direction of air flow using the sliders on the vents.



### FULLY AUTOMATIC TEMPERATURE CONTROL (FATC)

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



1. AC compressor ON/OFF button
2. Blower speed control knob
3. ECON (economy mode) button
4. Maximum defrost button
5. Fresh air / recirculation button
6. Air distribution (mode) button

7. OFF mode
8. Auto on selection button
9. Temperature control knob

#### 1. AC compressor on / off button:

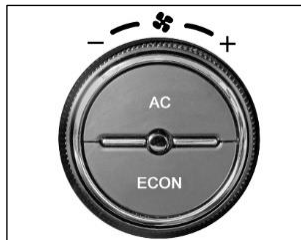


Press the AC compressor ON/OFF button to turn the air conditioning ON or OFF. You will see AC text on the display, when AC is ON.

#### NOTE

*If the display flashes 'ERR' in periodic pattern (Display will show 'ERR' for 5 sec. and set temperature for 30 sec.), It indicates FATC malfunctioning. Switch over to manual mode and contact the TATA MOTORS authorized service Centre.*

### 2. Blower speed control knob:



- A. Rotate the knob clockwise to increase the blower speed and anti-clockwise to reduce the speed.
- B. In 'AUTO' mode, the FATC system will regulate the blower speed automatically.

### 3. ECON button:



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

#### NOTE

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

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

### 4. Max defrost button:

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



#### NOTE

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

## CLIMATE CONTROL

### 5. Fresh air / recirculation

#### Button:



- A. When the recirculation Button or LED is switched 'ON', air from the vehicle's interior is sent throughout the system.
- B. When the recirculation button is switched 'OFF', air from outside enters into the cabin (fresh mode). Whenever discomfort is felt, switch to fresh air mode.






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.

### 6. 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.

	Air flows from the center and side air vents
	Air flows from the center, side vents and foot well vents
	Air flows from mainly foot well vents
	Air flows from the defroster and foot well vents (always select fresh air mode)
	Air flows from the defroster vents (always select fresh air mode)

### 7. "OFF" Button:



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

### 8. Auto On Selection Button



To put the automatic climate control in fully automatic mode:

- A. Press the 'AUTO' button.
- B. Set the desired temperature by turning temperature control knob. The display will show all the functions during 'AUTO' mode.
- C. The system automatically selects the proper mix of conditioned and / or

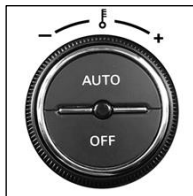
heated air that will, as quickly as possible, raise or lower the interior temperature to your preference.

- D. 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 doesn't regulate the interior temperature.

### Semi-automatic Operation

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







### 9. Temperature control knob:



Turn the temperature control knob clockwise to increase the temperature inside the cabin. The desired temperature will be increased by steps of 0.5°C. User can select temperature range from 18°C to 30°C. Whereas the anticlockwise direction decreases the temperature.

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 doesn't regulate the interior temperature.

## CLIMATE CONTROL

	Control Knob Position			Button Position		
Functions						
<b>Normal heating</b>	Desired Speed	Desired Temp.	Switched OFF	OFF	Switched OFF	ON
<b>Quick heating</b>	Max. speed	To the right up to the stop	Switched OFF	Switched OFF	Switched OFF	ON
<b>Normal Cooling</b>	Desired speed	To the right up to the stop	Switched OFF	Switched OFF	Switched OFF	ON
<b>Quick Cooling</b>	Max speed	To the right up to the stop	Switched OFF	Switched OFF	Switched OFF	ON
<b>Demisting</b>	Max speed	To the right up to the stop	Switched OFF	Switched OFF	Switched OFF	OFF
<b>Demisting</b>	Max speed	To the right up to the stop	Switched OFF	Switched OFF	Switched OFF	OFF

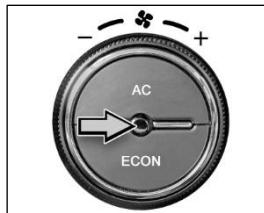
### HVAC Sensors:

HVAC system is fitted with three sensors

1. A solar sensor on top of the dashboard at the right hand side of defroster grill.



2. In-car sensor on the control panel.



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

### NOTE

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

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

- A. Start the vehicle.
- B. Turn on A/C by pressing the button. Make sure the temperature control is set to maximum cool. In case of FATC set temperature to 'Low' mode.
- C. Set the fan to maximum speed. (for ETC, manual HVAC variants)
- D. Open windows half, set air direction towards face and fresh air mode.
- E. When the interior has cooled down to a more comfortable level, close windows and set the controls as required in normal cooling, with recirculation mode ON.



### Pre Driving Checks

#### Make sure that:

- Li-ion battery (72V) is fully charged.
- Do a check SOC (State of Charge) gauge on Instrument cluster
- Windshield, windows, mirrors, lights, and reflectors are clean and unobstructed.
- Battery charger, tool kit, jack & handle, warning triangle, owner's manual, first aid kit and vehicle documents are available and stored at their locations.

#### WARNING



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

- All doors, front bonnet and tail gate are closed safely and latched.
- All passengers are properly restrained. Also, make sure that the passengers put on the seat belts.

- Objects, luggage or loads are secured correctly against slipping or tipping.

#### Daily check:

- Battery charging level, tyres for abnormal wear, cracks or damage and embedded foreign material such as nails, stones, etc.

#### 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:

- Adjust the Seats, head restraints (if equipped) and steering wheel position.

- Adjust all the mirrors before starting the car.

#### Weekly check:

- Brake fluid level
- Windshield washer fluid level

#### NOTE

*Examine the tyre pressure regularly including spare wheel.*

#### CAUTION

#### Vehicle idle for long duration

#### Storing

#### NOTE

In case car needs to be kept idle for long duration (more than week), follow following steps:

1. Charge the vehicle above 60% SOC
2. Press service disconnect switch.
3. Remove negative terminal of Auxiliary battery (12V).

## STARTING AND DRIVING

4. If possible park the vehicle in shed.

### Starting

After starting from long duration idle condition of vehicle. Please ensure to connect negative terminal of Auxiliary battery and release service disconnect switch. And ignition key to be on-off 4 times within 3 seconds to reset service disconnect switch. Charge vehicle up to 100% SOC by slow charging. Now vehicle is ready to move.

### Driving Tips

HV Battery charging level, brake and tyre wear are mainly affected by the below factors:

- Battery charging pattern
- Operating conditions of your vehicle
- Your personal driving style

### Operating conditions:

- Avoid frequent starts and stops.
- Always make sure that the tyre pressures are correct.
- Do not carry any unnecessary weight.
- Do a check of the battery charging regularly. Service your vehicle and adhere to the recommended service maintenance schedule.

### Personal driving style

- Do not depress the accelerator pedal when starting the vehicle.
- Press brake pedal fully to start the vehicle.
- Always adapt your driving style to suit the prevailing road and weather conditions and maintain a safe distance from the vehicle in front. Drive carefully.
- Avoid frequent, sudden acceleration and braking.

- Switch 'OFF' the vehicle in stationary traffic or at signals.
- Keep an eye on the vehicle's battery charging level.
- 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



When you drive, do not adjust the driver's seat, head rests, mirror, steering wheel and seat belts. You could lose control of the car which can lead to an accident.

### Good driving practices

- Always use only one leg (right) to operate brake and accelerator.
- Avoid frequent brake application which can cause overheating of brakes.
- Slow down the vehicle while travelling in cross winds to get better control over the vehicle.
- Make sure that vehicle is completely stationary before you attempt to shift in reverse gear.
- Drive slowly on wet roads.

### Tips for obtaining better performance

Always maintain the specified tyre pressure before a long trip. Vehicle running with low tyre pressure will consume more current and can have effect on mileage.

### Extending your driving range:

1. Make sure that the parking brake is released before start of the drive.
2. Always drive car with only right foot, avoid using both legs together while driving.
3. Always drive in D mode for better mileage as power consumption in S mode is higher due to high torque.
4. By anticipating and applying gradual brake you will ensure the car batteries are recharged.
5. Use air condition with desired level of cooling set during drive.
6. Make sure the vehicle is charged overnight depending on driving pattern and battery charge is below threshold level for one time in three days.
7. General points such as no extra weight can be taken into consideration.

## STARTING AND DRIVING

### Seat Adjustments

#### Front seat adjustments

Following seat adjustments can be carried out manually.



1. Backrest angle
2. 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.

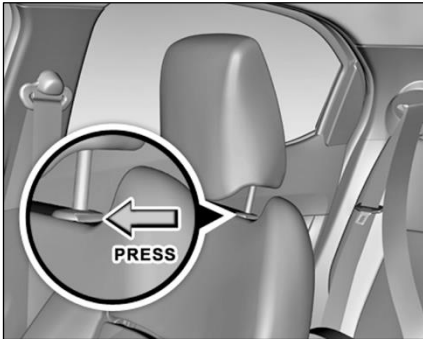
#### Seat forward / backward adjustment

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

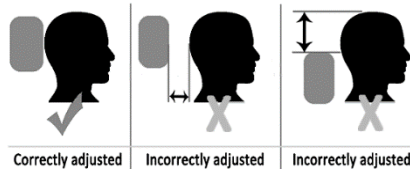
#### NOTE

*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.*

### 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.



## STARTING AND DRIVING

### 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 behind by glancing over your shoulder.*

### Motorized outer rear view mirrors (if equipped)



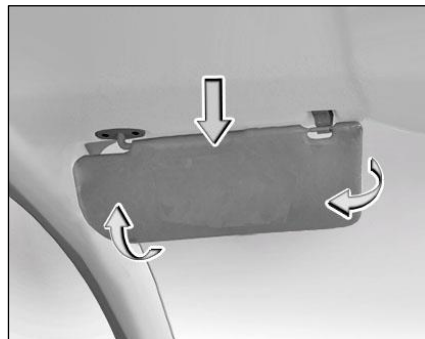
The switch to adjust the motorized mirrors is located on the driver's door. You can adjust the mirrors when the ignition switch is in the "ACC" or "ON" position.

#### 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.

### Sun Visors



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

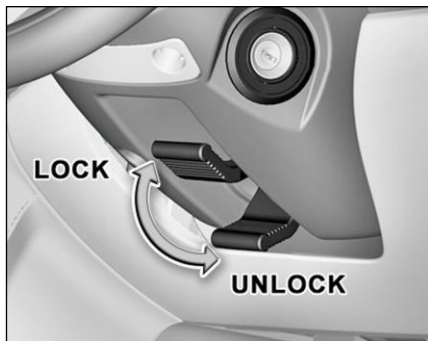
#### To block glare from side windows

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. Do not unlock or adjust the steering wheel while the vehicle is in motion.

### Steering lock cum ignition switch



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.

## STARTING AND DRIVING

“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.

### Preparation for Starting

Do a check of battery charge available which is displayed in the SoC bar and SoC display. Make sure that there is always enough charge for your immediate journey or else please charge the car to required SOC.

Following are the steps to get your car started & ready to drive:

1. Turn off power supply and unplug the charging cable from vehicle. Ensure you always carry charging cable along with car for any emergency.
2. Open the rear boot and store the charging cable in the boot area securely.
3. Unlock the car using remote key.

### 1. Starting

- a. Engage the parking brake firmly. Press Brake pedal.



- b. Put the ignition 'ON'
- c. While the brake pedal is pressed, bring the shifter lever to Neutral - 'N'. Check 'N' on instrument cluster.
- d. Turn on Ignition key to start the vehicle with the brake pedal pressed.

### NOTE

*The vehicle can only be started when the gearshift lever is in “N” position with the brake pedal firmly pressed.*

### 2. Driving:


- a. Drive your car in 'D' mode to optimize the drive range with moderate acceleration.
- b. Drive your car in 'S' mode only while overtaking vehicles & negotiating gradients and slope if necessary.
- c. With the vehicle running and brake pedal pressed, depending on your requirement shift the lever on R, D or S. Check the position engaged on the instrument cluster display.
- d. Release the parking brake.
- e. Release the brake pedal then because of creep feature, vehicle will move and if required press accelerator pedal.

#### WARNING



Do not reduce the speed of the vehicle on a slippery road surface in an attempt to increase braking effect, the drive wheels could lose their grip. There is an increased danger of skidding and accidents.

#### NOTE

- Use right foot only to operate brake or accelerator pedal.
- Do not operate accelerator and brake pedal simultaneously.
- If  displayed on the Instrument Cluster display, it means 'Fault condition. Contact a TATA MOTORS Authorized Service Centre immediately.'

#### NOTE

*Vehicle will not move in Any MODE if the Driver door will be in open condition.*

### Creeping feature:

Creeping function allows the car movement without accelerator pedal and when the brake pedal is released.

This function is generally used to move the car from stand still condition or assist in parking. Creep function is enabled in D, S and R modes. The speed of the car is limited to 5Kmph.

Once the brake pedal and hand brake is released, the creep function is activated. Vehicle starts moving forward or reverse on the lever selection.

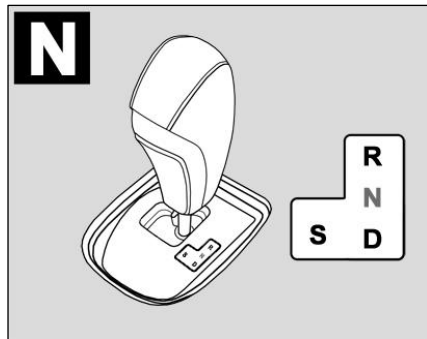
- Whenever accelerator pedal is pressed creep function will be disabled.
- Creep function will be disabled when the door is opened.


#### NOTE

*Creep function will be disabled when accelerator pedal is pressed or when a door is opened.*

## STARTING AND DRIVING

### Driving Modes: Neutral:



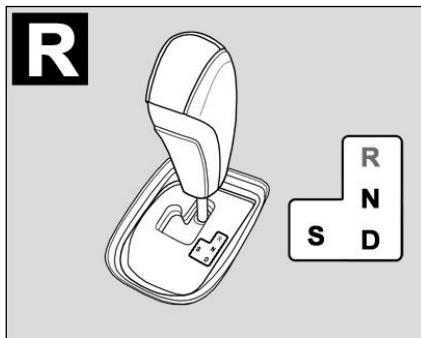
Vehicle is in neutral position. This will be indicated  on instrument cluster.


#### WARNING



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

### Reverse:

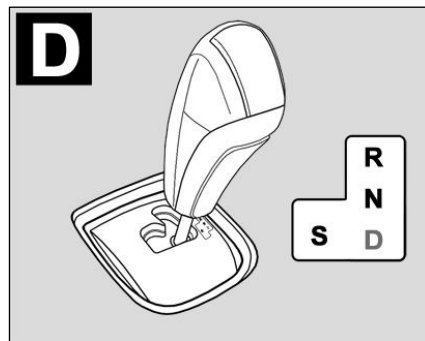



Reverse gear will be engaged only when vehicle is stationary and brake pedal pressed. An audio signal indicates when reverse gear is engaged.  will be indicated on instrument cluster.

#### NOTE

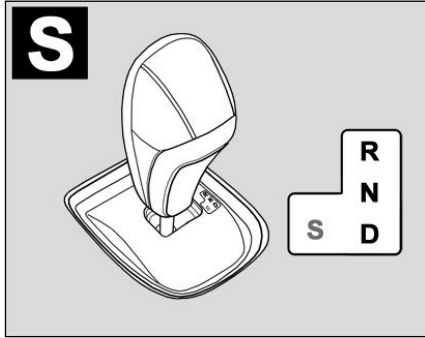
*Maximum speed in reverse gear is 20 kmph.*

### Drive:



The vehicle operates only in drive mode. Drive mode will be engaged only when vehicle is stationary and brake pedal pressed. When gear is engaged,  will be indicated on instrument cluster.

### Sport Mode:



Sport mode will be engaged for increase torque and speed, while overtaking vehicles and climbing ramp/uphill. When gear is engaged, **S** will be indicated on instrument cluster.

### Braking

Your vehicle has power assisted brakes. 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



- Never 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.
- Never 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.

## STARTING AND DRIVING

### Vehicle parking

- Park the vehicle in a safe place. Switch on the indicator signal before 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.
- Use wheel chocks when you park on a slope.

#### NOTE

*When parking on a downhill gradient, place the gear lever in 'Reverse' position. While parking on uphill gradient, place the gear lever in the 'Drive' position.*

#### 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.
- 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.

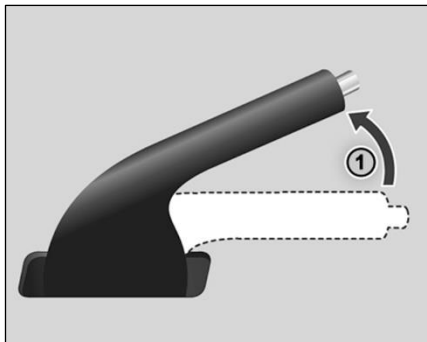
### Parking

Press the brake and shift the lever to N and engage the parking brake fully.

1. Apply the parking brake firmly.
2. Depress the brake pedal and shift the gearshift lever to the 'R' (Reverse) position on a downhill slope, or to the drive 'D' mode on an uphill slope or flat road and confirm the gear position by checking the gear position indicator on instrument cluster. Gear engagement (R or D) can be done with ignition ON and vehicle running condition only.
3. Turn the key to 'ACC' position to switch off the vehicle.

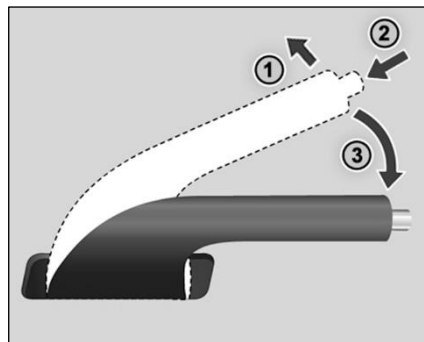
### Parking Brake lever

Mechanical parking brake acting only on the rear wheels is provided on the vehicle.



#### Parking brake applied

To apply the parking brake, pull the lever up fully (1). The parking brakes tell-tale illuminates on the instrument cluster.



#### 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 you drive.*

## STARTING AND DRIVING

### Vehicle Parking at One Place for Long Duration (Non - Use Maintenance)

If you want to park your vehicle at one place for long duration, following care is to be taken:

1. Park the vehicle in covered, dry and if possible well-ventilated premises.
2. Remove the battery terminal cables (first remove the cable from the negative terminal using insulated spanner, provided in toolkit).
3. Use wheel chocks or engage in the drive mode.
4. Clean and protect the painted parts using protective wax.
5. Clean and protect the shiny metal parts using commercially available special compounds.
6. Sprinkle talcum powder on the rubber windscreen wiper and lift them off the glass.
7. Slightly open the windows.
8. Cover the vehicle with a cloth or perforated plastic sheet. Do not use

sheets of imperforated plastic as they do not allow moisture on the vehicle body to evaporate.

9. Inflate the tyre to 0.5 bar above the normal specified pressure and check it at regular intervals.

In case of long storage of vehicle in Stock yard/Showroom/workshop

It's recommended to store the vehicle around 50% SOC for up to 6 Months.

#### • Vehicle disconnect procedure

- a. Turn off the Key (HV will disconnect immediately)
- b. Disconnect Aux battery.

#### • Vehicle connect procedure

- a. Connect LV line (connect aux battery connection/Fuse, make sure aux battery voltage is more than 12 V).
- b. Turn on Key/Plug for charge (make sure charging up to 100% SOC).

### Reverse Park Assist

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.

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. In low variants, only audio warning shall be given through a buzzer.

### WARNING



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

### Operation

The reverse park assist system can also be activated manually through infotainment screen. Display will be seen on infotainment screen.

### NOTE

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

### Park assist indications

In case of Reverse park assist system malfunctions, the following screen may appear on the infotainment system.

Reason for this fault may be

- Park Assist Controller / Body control module failure.
- Sensor Malfunction.
- Partner components such as Infotainment music system, Instrument Cluster failure.



### Reverse park assist limitations

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

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

- If the object has a sharp edge surface, where surface may divert echoes from sensor reception.
- If object is mesh fence made up of thin wires, where echoes cannot 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 or covered by foam or sponge or snow where ultrasonic sound signals are absorbed.

## STARTING AND DRIVING

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- Objects close to the rear bumper can be undetected by the Reverse Park Assist. Driver must take caution while parking the vehicle.
- If height of the bumper is changed due to alteration of 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, engine, 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 msg 'Vehicle Speed is high, drive slowly!' will appear.
- Driving on uneven road surfaces e.g. Gravel, unpaved roads, Artificial Speed Breakers, or gradient.

### NOTE

- *If the sensor is not aligned correctly or loses its fitment position. Contact the TATA MOTORS Authorized Service Center.*
- *When the Park assist feature is on. Turn the ignition switch to 'OFF may damage the feature.*

### Reverse park assist system preventive maintenance

1. Clean the sensors and keep them free from dust, ice, mud, water, chewing gum etc. for proper working of the system regularly. Use a smooth cloth for cleaning.
2. Do not use water at high pressure to clean the sensor.
3. Do not cover the sensor surface with any additional fitment. This will interrupt park assist performance.

## EMERGENCY AND BREAKDOWN ASSISTANCE

### 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 stored at their respective location.

### First aid kit

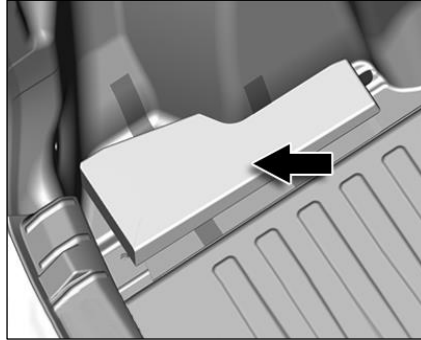
The first aid kit is kept in the glove box compartment.

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

#### NOTE

*Do a check of the first aid kit periodically and add consumed or expired items.*

### Tool kit and tow hook



Tool kit & tow hook are kept in luggage compartment near spare wheel.

#### NOTE

*Store the toolkit correctly when it is not in use.*

### Jack



A scissors jack is kept below the driver seat.

#### NOTE

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

## EMERGENCY AND BREAKDOWN ASSISTANCE

### Advance warning triangle

An advance warning triangle is kept in the luggage compartment.

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

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

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

Keep the warning triangle at suitable distance (depending on the situation) 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.



#### NOTE

*After using the warning triangle, tie it firmly and keep it in 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.

## EMERGENCY AND BREAKDOWN ASSISTANCE

### In Case of Flat Tyre

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

### WARNING



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

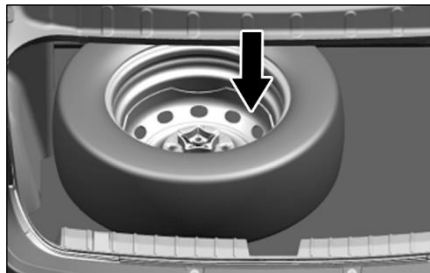
- A flat tyre affects the ability to steer or brake the vehicle.
- You could lose control of the vehicle.
- Continued driving with a flat tyre will permanently damage the tyre and cause too much heat buildup and possibly a fire. There is a risk of an accident.

### Spare Wheel

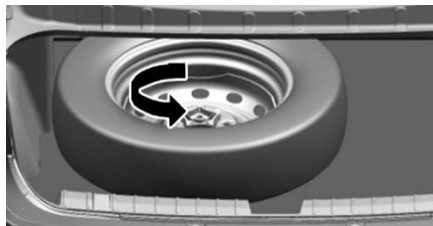


- Spare wheel is located in the luggage compartment.
- To access the spare wheel, open the tail gate and remove the cover provided on the spare wheel.

## EMERGENCY AND BREAKDOWN ASSISTANCE



- To remove the spare wheel, unscrew and remove the retaining bolt. Take out the spare wheel.



### 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.*

### Changing flat tyre

Loosen the nuts of the flat tyre in diagonal sequence as indicated in figure. Do not remove the nuts completely before lifting the vehicle using jack.

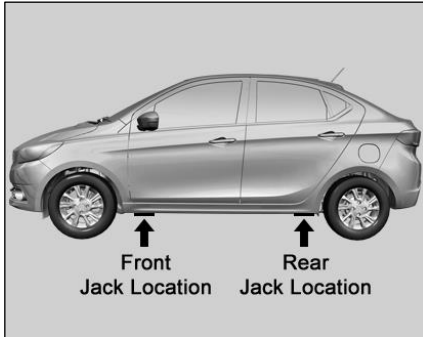


Wheel nut removal

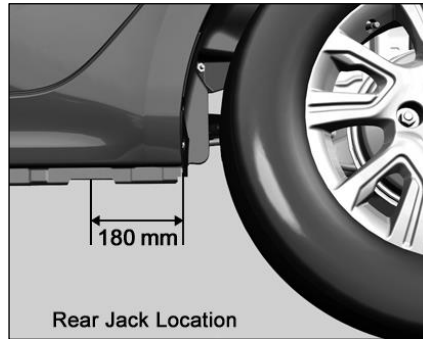
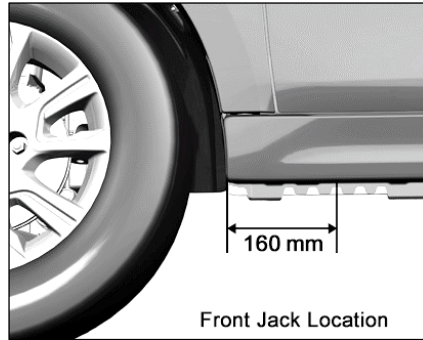
## EMERGENCY AND BREAKDOWN ASSISTANCE

### Jacking point location on vehicle

Use the respective jacking points for jacking up the vehicle. Jacking point location are shown below:

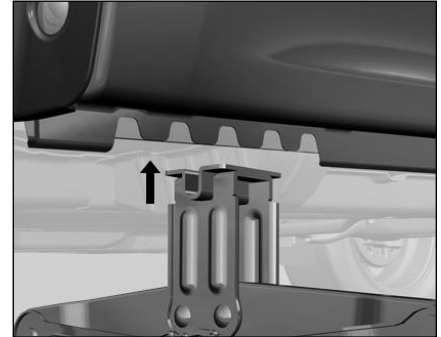


Jacking point location



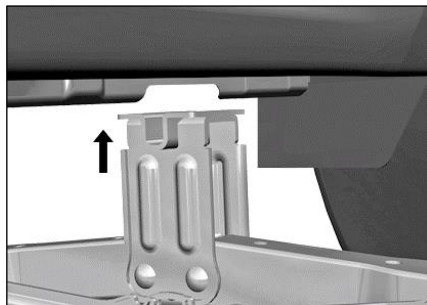
### Jacking the vehicle

Position the jack vertically and align the "U" slot provided on jack with jacking point as shown below.



Front jacking Location

## EMERGENCY AND BREAKDOWN ASSISTANCE



Rear jacking Location

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

Raise it by turning the jack handle clockwise until the jack sits completely on the jack point and the base of the jack lies evenly on the ground.



Jacking

### WARNING



If you do not position the jack correctly at the appropriate jack up point of the vehicle, the jack could tip over when the vehicle is raised. There is a risk of injury and damage to the jack.

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

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

### NOTE

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

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

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

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

Press fit the wheel cover back (if equipped).

Restore all the tools and jack at their respective location.

Place the flat tyre at spare wheel location.

## EMERGENCY AND BREAKDOWN ASSISTANCE

### NOTE

Measure the tyre pressure and examine the tightness of the wheel nuts of the replaced wheel at nearest authorized service station.

Get the flat tyre repaired at the earliest.

### 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.
- Do not use wooden blocks or similar objects as a jack underlay.
- Never place your hands and feet or lie under the raised vehicle when it is supported by the jack.
- Never run the vehicle when the vehicle is supported by the jack and never allow passengers to remain in the vehicle.
- Never open or close a door or the tail gate when the vehicle is raised.

### 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 use standard towing precautionary measures when lifting or towing a break down vehicle could result in an unsafe operating condition.

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

### 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 wrecker. Alternatively use a rigid tow bar.

## EMERGENCY AND BREAKDOWN ASSISTANCE

- Switch 'ON' the hazard warning indicators of both the vehicles to warn other road users.
- Limit the speed to 20-30 kmph.
- In case of brake failure, use the parking brake to control the vehicle.
- Fasten the rope or tow bar in the tow hook. 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 tail gate 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.

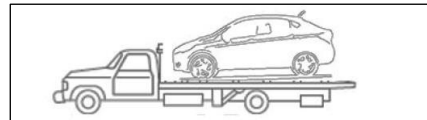


### Recommended towing

A break down vehicle can be towed away by three methods. In emergency towing requirement of vehicle it is advised to follow first two methods. Choose the third method only if a recovery vehicle is not available.

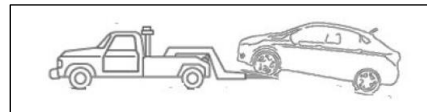
#### 1. Flat bed

Break down vehicle is loaded on to back of recovery truck. This is safest & best way of towing.



#### 2. Wheel lift

Tow truck pivot arms go below tyres of front and lift them off ground. While other two wheels are on ground.



## EMERGENCY AND BREAKDOWN ASSISTANCE

### NOTE

*Ensure that ignition is OFF and parking brake is released while recovering car by Front wheel lift.*

### NOTE

*This activity is recommended to be carried only by TATA Motors authorised service Centre.*

### WARNING



- Make sure that the 'Key Switch is off' while recovering car and speed limit should be less than 30kmph.
- Never tow your vehicle with the front wheels on the ground or all four wheels on the ground, as this may cause serious damage to the vehicle.
- When towing with the rear wheels on the ground or on towing dollies, place the ignition switch in

the 'ACC' or 'ON' position, and secure the steering wheel in the straight ahead position with a rope or similar device.

### 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. E-Box Compartment LV fuse box
3. Cabin Compartment LV Fuse Box.

High Voltage fuse box inside E-box

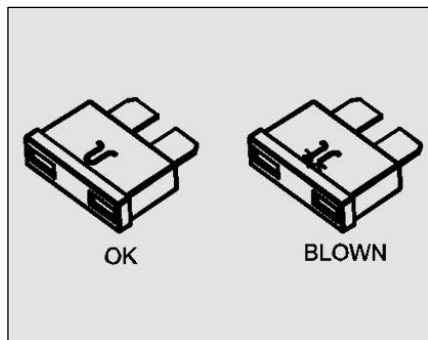
## EMERGENCY AND BREAKDOWN ASSISTANCE

### Checking and replacing fuses

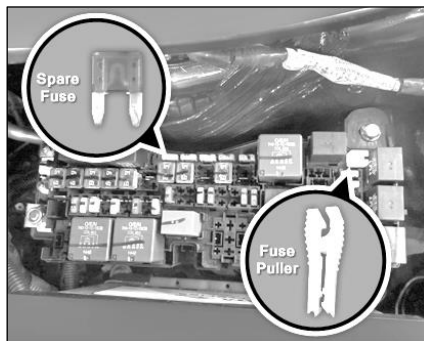
If any electrical unit in your vehicle is not functioning, examine the fuses.

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 Ebox compartment.



E-box compartment fuse box

- Blown fuses must be replaced with fuses of same rating, which you can recognize by color and value.

### 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 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.

## EMERGENCY AND BREAKDOWN ASSISTANCE

### 1. Battery mounted LV fuse box



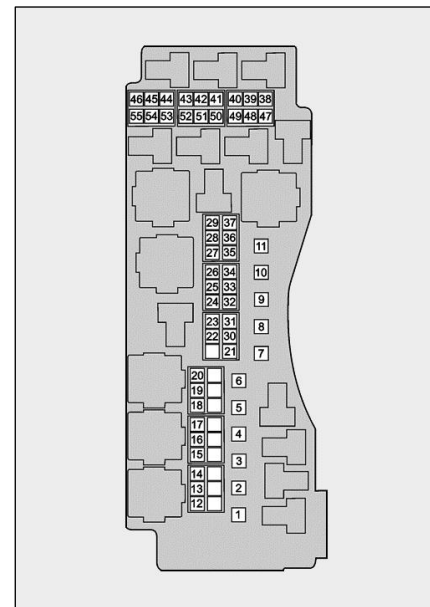
Fuse No.	Function	Fuse Rating
PF1	E-BOX FUSEBOX FEED	CAL 1

### WARNING



If Fuse box cover is removed for any reason, it should be fitted again properly in its original position.

### 2. E-box compartment fuse box (12V)



E-Box compartment for box layout

## EMERGENCY AND BREAKDOWN ASSISTANCE

### Fuses – E-box Compartment

Fuse No.	Function	Fuse Rating
1	INTERIOR F/B 2 IGNITION	60A
2	ABS	40A
3	GLOW PLUG (DIESEL)	60A
4	-	-
5	EPAS	60A
6	-	-
7	INTERIOR F/B 1 BATTERY	60A
8	UNDER BON-NET F/R BOX	60A
9	-	-
10	IGNITION LOAD	60A
11	-	-
12	AUX BATT	10A
13	STARTER SOLENOID	20A
14	ABS ECU	25A
15	-	-

16	HORN HIGH / LOW TONE	15A
17	FRONT FOG	10A
18	RADIATOR FAN RLY COILS	10A
19	AMT HYD PUMP (If fitted)	30A
20	-	-
21	BRAKE LAMP	10A
22	RELAY COIL	5A
23	-	-
24	FRONT WIPER MOTOR	20A
25	ABS	5A
26	WASHER MOTOR	10A
27	-	-
28	REVERSE & BRAKE LAMP	10A
29	REAR WIPER	10A
38	VCU	20A
39	VCU	15A

40	INJECTORS (PETROL)	10A
41	H/L LOW LH	10A
42	HEAD LAMP LOW RH	10A
43	EMS IGN	10A
44	-	-
45	H/L HIGH LH	10A
46	H/L LOW LH	10A

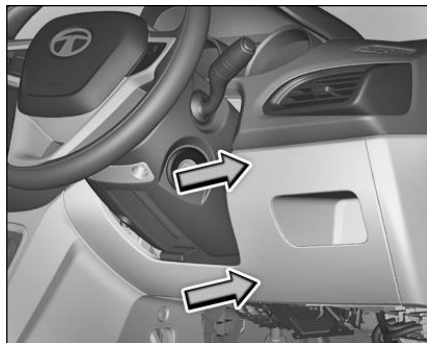
## EMERGENCY AND BREAKDOWN ASSISTANCE

### Cabin compartment LV fuse box

#### Cover 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.

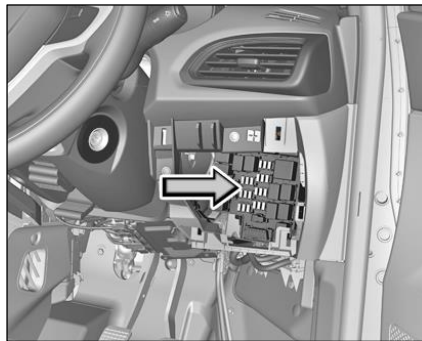


2. To remove the cover, gently pull the cover from bottom side such that the lugs get disengaged.

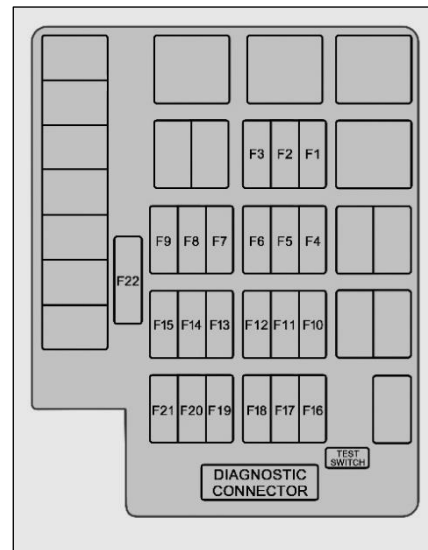
#### Re-fitment procedure

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



Cabin compartment fuse box layout

## EMERGENCY AND BREAKDOWN ASSISTANCE

### Fuses - Cabin Compartment

Fuse No.	Function	Fuse Rating
1	RESTRAINT CTRL MODULE	10A
2	ACC CON.2	15A
3	TRANSIT/INFO-TAINMENT	15A
4	BCM	15A
5	REV LAMP & BRK SW	10A
6	MIRROR ADJUST MOTOR	5A
7	BCM	15A
8	CLUSTER / OBD	10A
9	BCM	15A
10	KEY IN	5A
11	IMMOBILIZER / EPAS	5A
12	ACC FUSE	5A
13	BLOWER MOTOR	30A
14	CDL / ACCESSORY CONN.1	15A

15	POWER SOCKET	15A
16	RELAY COILS	5A
17	TAIL GATE LATCH	10A
18	HVAC	10A
19	TELEMATICS	10A
20	MODULE KL.15 I/P	10A
21	POWER SOCKET CONSOLE	15A
22	TRANSIT/INFO-TAINMENT	15A

High Voltage fuse box is inside the E-Box



## EMERGENCY AND BREAKDOWN ASSISTANCE

Option : I

WH PART NO: 5A0667B49002 REV NO: D		DECAL PART NO: 5A0649Y99003 REV NO: B		WH PART NO: 5A0667B49002 REV NO: D		DECAL PART NO: 5A0649Y99003 REV NO: B	
R4-CHARGER COOLING FAN RELAY 730-1A-1201-TM: OEN	R1-MCU COOLING FAN RELAY 730-1A-1201-TM: OEN	R4-FC CONTACTOR ENABLE RELAY 730-1A-1201-TM: OEN	R1-HEATER CONTACTOR RELAY 730-1A-1201-TM: OEN	IGNITION RELAY F1-25A	BRAKE S/W INPUT TO MCU F20-3A	FC CONTACTOR ENABLE F1-3A	B+ TO BMS & TEM F20-3A
				BATTERY COOLING FAN RELAY F2-30A	BATTERY COOLING FAN ENABLE F19-3A	FC AUX POWER ENABLE F2-3A	HEATER ENABLE FROM VCU F19-3A
				CHARGER COOLING FAN RELAY F3-5A	CHARGER COOLING FAN ENABLE F18-3A	IGNITION SENSE TO VCU F3-3A	SOLENOID-2 ENABLE F18-3A
				MOTOR COOLING FAN RELAY F4-5A	MOTOR COOLING FAN ENABLE F17-3A	AC REQUEST F4-3A	HEATER ENABLE +VE F17-3A
R5-BATTERY COOLING FAN RELAY 730-1A-1201-TM: OEN	R2-MOTOR COOLING FAN RELAY 730-1A-1201-TM: OEN	R5-SOLENOID 2 RELAY 730-1A-1201-TM: OEN	R2-BATTERY CONNECT RELAY 730-1A-1201-TM: OEN	MCU COOLING FAN RELAY F5-5A	MCU COOLING FAN ENABLE F16-3A	AC ENABLE F5-3A	SOLENOID 2 POSITIVE F16-3A
				VACUUM SWITCH F6-3A	PWM-O/P F15-3A	VACUUM PUMP F6-20A	SOLENOID 1 POSITIVE F15-3A
				KSI TO MCU F7-3A	BATT CONNECT FROM VCU F14-3A	NC PLUG SENSE F7-3A	SOLENOID 1 ENABLE F14-3A
				CHARGE POWER RELAY F8-5A	5V FROM VCU F13-3A	PRECHARGE PCB F8-3A	SPORT FROM VCU F13-3A
R6-IGNITION RELAY 730-1A-1201-TM: OEN	R3-CHARGE POWER RELAY 730-1A-1201-TM: OEN	R6-SOLENOID 1 RELAY 730-1A-1201-TM: OEN	R3-FC AUX POWER RELAY 730-1A-1201-TM: OEN	BATT. CONNECT RELAY F9-3A	FC AUX POWER RELAY F12-10A	VCU VLOAD F9-3A	DRIVE FROM VCU F12-3A
				FC CONTACTOR RELAY F10-3A	COMPRESSOR POSITIVE F11-3A	SIU 12V F10-3A	REVERSE FROM VCU F11-3A

## EMERGENCY AND BREAKDOWN ASSISTANCE

### Option : II

DECAL PART NO:5A0670Y99001 REV:NR						
KSI F1-3A	DUMMY F20	R3 HEATER CONTACTOR RELAY	R6 BATT COOLING FAN RELAY	DUMMY	DUMMY	DUMMY
BRAKE SW I/P F2-3A	DC-DC PRU F19-3A			DUMMY	DUMMY	DUMMY
SPORT F3-3A	DUMMY F18					
DRIVE F4-3A	BATT COOLING FAN F17-25A	R2 MCU COOLING FAN RELAY	R5 SOLENOID 2 ENABLE RELAY	R1 IGNITION RELAY		
REVERSE F5-3A	DC-DC ENABLE F16-3A					
DUMMY F6	MCU COOLING FAN F15-3A					
HEATER COIL F7-3A	MOTOR COOLING FAN F14-3A					
5V SENSOR SUPPLY F8-3A	SOLENOID 1 POSITIVE F13-3A	R1 MOTOR COOLING FAN RELAY	R4 DC-DC ENABLE RELAY	R2 SOLENOID 1 ENABLE RELAY	R1 DUMMY	
VLOAD F9-3A	SOLENOID 2 POSITIVE F12-3A					
COMPRESSOR F10-3A	IGNITION RELAY F11-30A					

## Maintenance and Service

Periodic maintenance is essential for ensuring long trouble free performance.

Have your vehicle serviced regularly from TATA MOTORS Authorized Service Centre.

There is a large network of TATA MOTORS Authorized Service Centre's 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 centre for assistance.

- Brake fluid level
- Battery charging level.
- Washer fluid level checking & topping up
- Battery electrolyte level

- Tyre inflation pressure including spare wheel

### **NOTE**

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

## MAINTENANCE

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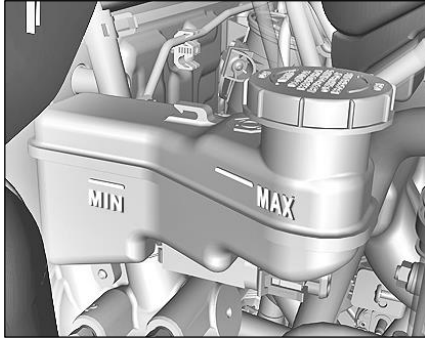
### E-Box Compartment



- 1. Brake fluid reservoir
- 2. Service Disconnect switch
- 3. E-box

- 4. Windshield Washer reservoir
- 5. Fuse box
- 6. Battery

## 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

Option 1



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*

## MAINTENANCE

### Auxiliary Battery (12V)



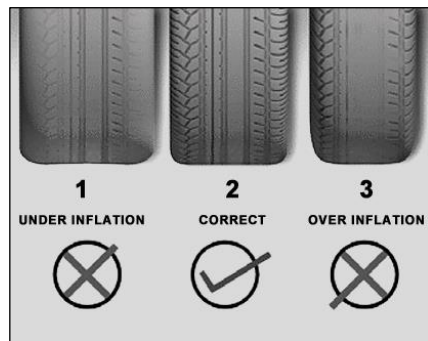
- Measure the battery for electrolyte level against the marking on the battery outer case.
- Examine the battery terminals for corrosion (a white or yellowish powder). To remove it, wash the terminals with a solution of baking soda. It will bubble up and turn brown.
- When this stops, wash it off with plain water. Dry off the battery with a cloth or paper towel.

- Coat the terminals with petroleum jelly to prevent further corrosion.
- Use a proper wrench to loosen and remove cables from the terminals.
- Always disconnect the negative (-ve) cable first and reconnect it last.
- Clean the battery terminals with a terminal cleaning tool or wire brush.
- Reconnect and tighten the cables, coat the terminals with petroleum jelly.
- Make sure that the battery is correctly installed.
- 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.*

## 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

Tyre size	Wheel	Tyre Pressure
175/65 R14	Front	33 psi (2.3 bar)
	Rear	38 psi (2.6 bar)
	Spare	38 psi (2.6 bar)

## MAINTENANCE

### 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

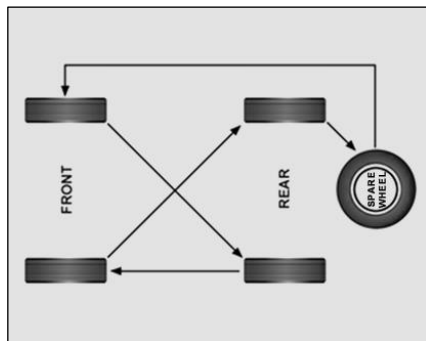
*Life and wear pattern of tyres depends on various parameters like tyre pressure, wheel alignment, wheel balancing, tyre rotation, etc. It also largely depends on vehicle speed, load carried, usage, driving habits, road conditions, tyre quality, etc. In case fault is suspected to be due to poor quality 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.

The illustrations show how to rotate tyres when normal or temporary spare wheel is fitted.

### For 175/65 R14 tyres



## NOTE

- Do not use spare wheel for tyre rotation, if temporary spare wheel used.
- Two or more temporary tyres should not be used on one vehicle.
- Do a check of the tyre pressures of the temporary wheel one time in a month.

## Wheel Alignment

Incorrect wheel alignment causes excessive and uneven tyre wear. Check wheel alignment at specified intervals. Wheel alignment values are given below:

	Front	Rear
Caster	2° 15' ± 45'	-
Camber	30' ± 30'	- 52' ± 30'
Toe in	-	12' ± 15'
Toe Out	0 to 13'	-

## MAINTENANCE

### 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.

### Remote Key Battery Replacement

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

If red LED light flashes five times after you press and release any button on the remote, replace the battery at a TATA MOTORS Authorized 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. Install the new battery.



5. Make sure 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.*

## MAINTENANCE

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### Service Instructions

Free services covered under the 5 year comprehensive AMC and warranty are mention below:

**1st service** - At 1000-2000 km. OR 2 months, whichever is earlier.

**2nd service** - At 7000-8000 km. OR 6 months, whichever is earlier.

**3rd service** - At 14500-15500 km. OR 12 months, whichever is earlier.

**4th service** - At 29500-30500 km. OR 24 months, whichever is earlier.

**5th service** - At 44500-45500 km. OR 36 months, whichever is earlier.

**6th service** - At 59500-60500 km. OR 48 months, whichever is earlier.

**7th service** - At 74500-75500 km. OR 60 months, whichever is earlier.

All services other than free services are chargeable.

Servicing of the vehicle can be done at TATA MOTORS Authorised Dealer Workshop or TATA MOTORS Authorised Service Centre (TASC).

Warranty claims can be settled by any TATA MOTORS Authorised Dealer Workshop or TATA MOTORS Authorised Service Centre (TASC).

**Service Schedule – (Note - Do not charge the vehicle while performing service)**

Sr. No	Operation	km	PDI	1.5K	7.5K	15K	30K	45K	60K	75K	90K	105K	120K	135K	150K
		Months	0	2	6	12	24	36	48	60	72	84	96	108	120
	General														
1	Wash the vehicle (Top wash only. Avoid high pressure washing of wheel arch, under hood and under body) Clean Condenser Fins with Compressed air.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•
2	Check & Top up Fluids (If required): Transaxle Oil, Brake Fluid, Wind Screen washer fluid.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•
3	Check and Capture all DTC's. Clear all faults and Erase the Codes.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•
4	Check Rubber Boots for damage & replace if required (driveshaft)	15K / 12M				•	•	•	•	•	•	•	•	•	•
5	Check Rubber Boots, Rubber seat, Dust cover & Bushes for damage & replace if required (Suspension) (First at 15K/12M then at every service)	15K /12M				•	•	•	•	•	•	•	•	•	•
6	Check for all bolts & nuts (Tighten)	Every Service		•	•	•	•	•	•	•	•	•	•	•	•

## MAINTENANCE

Sr. No	Operation	km	PDI	1.5K	7.5K	15K	30K	45K	60K	75K	90K	105K	120K	135K	150K
		Months	0	2	6	12	24	36	48	60	72	84	96	108	120
	Transaxle														
1	Replace transaxle oil	75K /60M								•					•
	Brakes														
1	Check front brake pads & rear brake linings. Replace if necessary	15K /12M				•	•	•	•	•	•	•	•	•	•
2	Replace brake fluid Check brake system components for Leakages	# 45K / 24M						•			•			•	
3	Inspect & if necessary adjust hand-brake setting	15K /12M				•	•	•	•	•	•	•	•	•	•
	Wheels & Tyres														
1	Check & Adjust Wheel alignment	# 15K/12M				•	•	•	•	•	•	•	•	•	•
2	Check for Tyre pressure, condition & rotate	Every Month			•	•	•	•	•	•	•	•	•	•	•

# - Kms or Months whichever occurs earlier

## MAINTENANCE

Sr. No	Operation	km	PDI	1.5K	7.5K	15K	30K	45K	60K	75K	90K	105K	120K	135K	150K
		Months	0	2	6	12	24	36	48	60	72	84	96	108	120
	Electrical														
1	Check specific gravity of Auxiliary Battery Electrolyte (12V) and condition of battery.	Every Service / 6M	•	•	•	•	•	•	•	•	•	•	•	•	•
2	Check headlamp focussing	15K /12M				•	•	•	•	•	•	•	•	•	•
3	Check and ensure normal working of vehicle using EV diagnostic equipment	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•
4	Inspect Battery Box under the vehicle for any external damage	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Check all HV cables for looseness, cuts, wear & tear	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•
	A.C. System														
1	Check vehicle Air-conditioning / HVAC system for satisfactory performance. Clean filter	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•

## MAINTENANCE

Sr. No	Operation	km	PDI	1.5K	7.5K	15K	30K	45K	60K	75K	90K	105K	120K	135K	150K
		Months	0	2	6	12	24	36	48	60	72	84	96	108	120
2	Clean mesh filter of Battery cooling module	30K /24M					•		•		•		•		•
3	Inspect water drain plug of battery cooling module	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•

**Lubricant Specification**

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

SR NO.	Item	Specification	Company	Brand	Quantity
1	Transaxle Oil	EP80W LL	PETRONAS	TATA MOTORS Genuine Oil-Gear Oil New Gen 80 EP LL	1.2 L
			IOCL	TATA MOTORS GENUINE GEAR OIL 80WLL	
2	Refrigerant	R-134a	-	-	750 ±20cc
3	AC Compressor Oil	ZEROL ESTER 68SL	Shrieve Chemical (Shanghai) Ltd.	ZEROL ESTER 68Hybrid	120ml

## TECHNICAL INFORMATION

### Technical Specifications

Parameter	
<b>Motor</b>	
Type	72V ,3 Phase AC Induction motor
Installation	Transverse Electric power train FWD
Max. Power	30kW @ 4500rpm
Max. Torque	105Nm @ 2500 rpm
<b>Transaxle</b>	
Model	Single speed, Automatic
No. of gears	1-Forward, 1-Reverse
<b>Steering</b>	
Type	Electrical Power assist Steering, Rack & Pinion Gear, collapsible Steering Column
<b>Brakes</b>	
Brakes	Front (Disc); Rear (Drum)
Parking brake	Cable Operated Mechanical (Variable Lever Ratio)
<b>Suspension</b>	
Type	Independent
Shock absorber	Shock absorber

## TECHNICAL INFORMATION

Parameter	
<b>Wheels &amp; tyre</b>	
Tyres	R14 175/65 86T (Radial tubeless Tyre)
Wheel rims	5.5J X 14" Steel Wheel Rim (XE, XM, XE+ & XM+); 5.0J X 14" Alloy Wheel Rim (XT & XT+)
<b>Cab / body</b>	
Type	Semi-mono volume, 4 doors sedan, steel monocoque body.
<b>Electrical system</b>	
Battery	Lithium-ion 216 Ah (16.5 kWh) (For XE, XM & XT) Lithium-ion 288 Ah (21.5 kWh) (For XE+, XM+ & XT+)
Drivetrain	72V
Auxiliary battery	12V, 47Ah.
<b>Main chassis dimension (in mm)</b>	
Wheel base	2450
Track front	1400
Track rear	1420
Overall length	3993
Overall height	1537
Max. Width	1677
Ground clearance	142mm

## TECHNICAL INFORMATION

Parameter	
<b>Performance</b>	
Max. Speed	80kmph
Max. Recommended gradability	9.8°
Min. Turning Circle Dia.	10m
Minimum Turning Clearance circle Dia.	10.4m
<b>Weight (in kg)</b>	
Gross vehicle weight	1562 (XM) 1566 (XT) 1586 (XM+) 1590 (XT+)
Kerb weight (Unladen)	1162 (XM) 1166 (XT) 1186 (XM+) 1190 (XT+)

## Vehicle Dimensions



## TECHNICAL INFORMATION

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### Aggregate Identification Numbers



Chassis number punching near driver seat



VIN plate near front passenger seat

## CAR CARE AND VALUE ADDED SERVICES

### 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 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 wind-shield 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.*

## CAR CARE AND VALUE ADDED SERVICES

### Cleaning of Windows, Front and Rear Glasses

Clean the inner and outer surfaces of the windows with commercially available glass cleaners.

This will remove the haze that builds up on the inner surface of windows. Use a soft cloth or paper towels to clean all glass and plastic surfaces.

### FAST TAG

FAST TAG is pasted on front windshield from the inside. It enables Electronic toll collection.



#### NOTE

*Do not attempt to rip or tamper the tag. It will disable the functionality of the tag.*

### Waxing

Waxing and polishing is recommended to maintain the gloss and wet-look appearance of your paint finish.

1. Use good quality polish and wax for your vehicle.
2. Re-wax your vehicle when the water does not slip off the surface but collects over the surface in patches.

### Polishing

Polishes and cleaners can restore shine to the painted surface that has oxidized and become dull. They normally contain mild abrasives and solvents that remove the top layer of the finish coat. Polish your vehicle, if the finish does not regain its original shine after using wax.

### Interior fabric cleaning tips

1. Stains should be treated immediately. If left for a long time, they can leave a permanent mark.
2. Cleaning the stains immediately is important especially for stains which contain artificial colors in the stain creating liquid or semisolid substance. The colorant may leave a stain if kept for longer time.
3. Stain should not be removed by rubbing. As far as possible, try to blot or lift the stain with cloth or plastic spatula and then clean the remaining stain with cloth or sponge.
4. If the stain has dried, then gently brush off the material and then press with damp cloth or sponge till it disappears.
5. Do not use household detergents to clean the fabric.
6. Always use clean cotton cloth for cleaning.

### Paint Care

Obey the guidelines mentioned below to protect your vehicle from corrosion.

#### Proper cleaning

In order to protect your vehicle from corrosion it is recommended that you wash your vehicle thoroughly and frequently in case:

- There is a heavy accumulation of dirt and mud especially on the underbody.
- It is driven in areas having high atmospheric pollution due to smoke, soot, dust, iron dust and other chemical pollutants.
- It is driven in coastal areas.
- The underbody must be thoroughly pressure washed after every three months.

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.

## CAR CARE AND VALUE ADDED SERVICES

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### Value Added Services

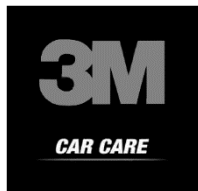
**Why are Corrosion Protection Waxes necessary?**

**Corrosion is caused by:**

Water / salt water acid rain & atmospheric fallouts.

**Critical areas are:**

Cavities: joints, crevices, spot welds, underbody



- Corrosion is the most important factor when we talk about the vehicle life. If you treat your car well, you can prolong the life.
- It is very dangerous to drive around in a corroded vehicle.
- The corrosion creeps onto the vehicle from the inside and from the outside. The most dangerous kind of corrosion is often not discovered until it is too late.

**Benefits of Anti - Rust treatment:**

- A professionally applied range of world class products offering real value to the new and used vehicle customer.
- The treatment has been developed to withstand the harshest environmental and climatic conditions (rust. Pollutants, stone and gravel impact, etc.)
- Insulate cabin space from external noises.
- Expensive tin work, denting and painting can be avoided.
- Higher resale value for the vehicle.
- Higher safety – uncorroded vehicle
- 10 free checkups available

## **CAR CARE AND VALUE ADDED SERVICES**

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TATA MOTORS has tied up with **M/s Wurth, M/s Autokrom, M/s 3M India Ltd & M/s Bardahl** for these world class treatment at affordable prices. These treatments are available in all authorized workshops. The Dealer Service Marketing Executive will explain to you the benefits and terms and conditions of this treatment.

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I / We have been explained the Benefits, Terms and conditions and the prices of these treatments by the Dealer Service Marketing Executive.

☐ I wish to avail / ☐ Do not wish to avail extended warrant policy.

**Customer's Signature**

**Dealer's Signature**

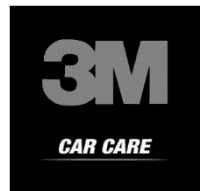
## CAR CARE AND VALUE ADDED SERVICES

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### Vehicle Exterior Enrichment

#### Why vehicles are painted?

- For Corrosion protection of the metal surfaces.
- Ease of application from other corrosion protection treatments.
- Cheaper than other corrosion protection methods eg. Galvanizing, anodizing.
- For decoration and identification.



#### Various Environmental Hazards affecting paints

Environmental hazards: damage your vehicle's finish.

Even as your new vehicle rolls off the assembly line, the paint is not protected.

#### The enemy

Ultraviolet Rays, Pollution, Tree Sap, Bird Droppings, Car Wash Chemicals, Road Salt, Acid Rain.

#### Benefits: Vehicle Exterior Enrichment

- Removal of medium scratches, orange peel, oxidation, dust nibs etc. & swirl marks from painted surface.
- Restoration of original gloss levels, UV protection after gloss is restored.
- Cleaning & dressing of tyres, Bumpers and all exterior plastic moldings/trims.

TATA MOTORS has tied up with **M/s Autokrom, M/s 3M & M/s Würth** for this world class treatment at affordable prices. This treatment is available in all authorized workshops. The Dealer Service Marketing Executive will explain to you the benefits and terms and conditions of this treatment.

### Vehicle Interior Enrichment

#### Why protect your new car's fabric interior?

- Someone will soil your vehicle's fabric carpet or seats.
- A significant detractor from your vehicle's resale value.
- A permanent stain on your vehicle's interior fabric.

#### The enemy:

Drink spills, Food stains, mud, Ultraviolet rays, Pets, and Traffic

Benefits: Vehicle Interior Enrichment

- Removal of medium stains and dirt from all interior parts of the car i.e., carpet, upholstery and roof lining.
- Cleaning of windshield and all windows (inside and outside)
- Dressing of all internal plastics (eg: door pad trims) and rubber parts.
- The treatment involves cleaning and dressing of all parts of the exposed interiors.
- Specialized protection for seat fabric from liquid spills.

TATA MOTORS has tied up with **M/s Wurth** and **M/s Autokrom** for this world class treatment at affordable prices. This treatment is available in all authorized workshops. The Dealer Service Marketing Executive will explain to you the benefits and terms and conditions of this treatment.

---

I / We have been explained the Terms and conditions, Coverage and Owner's responsibility by the Dealer Service Marketing Executive.

☐ I wish to avail / ☐ Do not wish to avail extended warrant policy.

**Customer's Signature**

**Dealer's Signature**

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## WARRANTY - TERMS AND CONDITIONS

### WARRANTY – Terms and Conditions

1. This warranty for **TATA XPRES-T EV** (Inclusive of Battery and Electric Powertrain) shall be for a period of **3 years from the date of sale or 1,25, 000km, whichever occurs earlier.**
2. Our obligation under this warranty shall be limited to repairing or replacing, free of charge, such parts of the car which, in our opinion, are defective, on the car being brought to us or to our dealers within the period. The parts so repaired or replaced shall also be warranted for quality and workmanship but such warranty shall be co-terminus with this original warranty.
3. Any part which is found to be defective and is replaced by us under the warranty shall be our property.
4. As for such parts as Tyres, 12 volt Batteries, Audio and / or Video equipment (if any), etc. not manufactured by us but supplied by other parties, this warranty shall not apply, but buyers of the car shall be entitled to, so far as permissible by law, all such rights as we may have against such parties under their warranties in respect of such parts.
5. This warranty shall not apply if the car or any part thereof is repaired or altered otherwise than in accordance with our standard repair procedure or by any person other than from our sales or service establishments, our authorized dealers, service centers or service points in any way so as, in our judgment which shall be final and binding, to affect its reliability, nor shall it apply if, in our opinion which shall be final and binding, the car is subjected to misuse, negligence, improper or inadequate maintenance or accident or loading in excess of such carrying capacity as certified by us, or such services as prescribed in our Owner's Manual are not carried out by the buyer through our sales or service establishments, our authorized dealers, service centres or service points.
6. **This warranty shall not apply to the replacement of normal wear parts, including without limitation, hoses, wiper blades, fuses, brake shoes, brake pads, cables and all rubber parts (except oil seal and glass run).**
7. This warranty shall not cover any inherent normal deterioration of the car or any of its parts arising from the actual use of the car or any damage due to negligent or improper operation or storage of the car.
8. This warranty shall not apply to normal maintenance services like oils & fluid changes, head lamps focusing, fastener retightening, wheel balancing and alignment, tyre rotation, and consumables like bulbs, filters and AC gas leaks.

## WARRANTY - TERMS AND CONDITIONS

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9. This warranty shall not apply to any damage or deterioration caused by environmental pollution or bird droppings. Slight irregularities not recognized as affecting the function or quality of the vehicle or parts, such as slight noise or vibration, defects appearing only under particular or irregular operations are items considered characteristics of the vehicle.
10. This warranty shall be null and void if the car is subjected to abnormal use such as rallying, racing or participation in any other competitive sport. This warranty shall not apply to any repair or replacements as a result of accident or collision.
11. This warranty is expressly in lieu of all warranties, whether by law or otherwise, expressed or implied, and all other obligations or liabilities on our part and we neither assume, nor authorize any person to assume on our behalf, any other liability arising from the sale of the car or any agreement in relation thereto.
12. The buyer shall have no other rights except those set out above and have, in particular, no right to repudiate the sale, or any agreement or to claim any reduction in the purchase price of the car, or to demand any damages or compensation for losses, incidental or indirect, or inconvenience or consequential damages, loss of car, or loss of time, or otherwise, incurred or accrued.
13. Any claim arising from this warranty shall be recognized only if it is notified in writing to us or to our authorized dealer without any delay soon after such defects as covered & ascertained under this warranty.
14. **This warranty is fully transferable to subsequent vehicle owner. Only unexpired remaining period of warranty applies.**
15. We reserve our rights to make any change or modification in design of the car or its parts or to introduce any improvement therein or to incorporate in the car any additional part or accessory at any time without incurring any obligation to incorporate the same in the cars previously sold.

Customer's copy



**PDI Coupon**

**TATA XPRES-T EV**

Pre Delivery Inspection

Owner's Name:

VIN No.:

Reg. No.:

ODO Reading:

Date of Service:

Service Dealer's Stamp & Signature



**PDI Coupon**

**TATA XPRES-T EV**

Pre Delivery Inspection

**AVAIL ALL SERVICES TO GET BENEFIT OF WARRANTY**

**This Coupon entitles for free labour jobs.(Refer maintenance section)**

Owner's Name:

VIN No.:

Reg. No.:

Date of Sale:

Service Dealer code:

ODO Reading:

Date of Service:

**I hereby certify that the PDI has been carried out to my entire satisfaction.**

Customer's Signature

Service Dealer's Stamp & Signature

(Free Service coupons are valid at all TATA Authorized Service Centers in India)

Customer's copy



## TATA XPRES-T EV

Valid for 1000 - 2000 kms. OR 2 months,  
whichever is earlier

Owner's Name:

VIN No.:

Reg. No.:

ODO Reading:

Date of Service:

Service Dealer's Stamp & Signature

Dealer's copy



## 1<sup>ST</sup> Free Service Coupon TATA XPRES-T EV

Valid for 1000 - 2000 kms. OR 2 months, whichever is earlier.

**AVAIL ALL SERVICES TO GET BENEFIT OF WARRANTY**

**This Coupon entitles for free labour jobs.(Refer maintenance section)**

Owner's Name:

VIN No.:

Reg. No.:

Date of Sale:

Service Dealer code:

ODO Reading:

Date of Service:

**I hereby certify that the service has been carried out to my entire satisfaction.**

Customer's Signature

Service Dealer's Stamp & Signature

(Free Service coupons are valid at all TATA Authorized Service Centers in India)

Customer's copy



**2<sup>nd</sup> Free Service Coupon**

**TATA XPRES-T EV**

Valid for 7000 - 8000 kms. OR 6 months,  
whichever is earlier

Owner's Name:

VIN No.:

Reg. No.:

ODO Reading:

Date of Service:

Service Dealer's Stamp & Signature



**2<sup>nd</sup> Free Service Coupon TATA XPRES-T EV**

Valid for 7000 - 8000 kms. OR 6 months, whichever is earlier.

**AVAIL ALL SERVICES TO GET BENEFIT OF WARRANTY**

**This Coupon entitles for free labour jobs.(Refer maintenance section)**

Owner's Name:

VIN No.:

Reg. No.:

Date of Sale:

Service Dealer code:

ODO Reading:

Date of Service:

**I hereby certify that the service has been carried out to my entire satisfaction.**

Customer's Signature

Service Dealer's Stamp & Signature

(Free Service coupons are valid at all TATA Authorized Service Centers in India)

Customer's copy



## TATA XPRES-T EV

Valid for 14,500 – 15,500 kms. OR 12 months,  
whichever is earlier

Owner's Name:

VIN No.:

Reg. No.:

ODO Reading:

Date of Service:

Service Dealer's Stamp & Signature

Dealer's copy



## 3<sup>rd</sup> Free Service Coupon TATA XPRES-T EV

Valid for 14,500 – 15,500 kms. OR 12 months, whichever is earlier.

**AVAIL ALL SERVICES TO GET BENEFIT OF WARRANTY**

**This Coupon entitles for free labour jobs.(Refer maintenance section)**

Owner's Name:

VIN No.:

Reg. No.:

Date of Sale:

Service Dealer code:

ODO Reading:

Date of Service:

**I hereby certify that the service has been carried out to my entire satisfaction.**

Customer's Signature

Service Dealer's Stamp & Signature

(Free Service coupons are valid at all TATA Authorized Service Centers in India)



## TATA MOTORS | SERVICE

RESPONSIVE • RELIABLE • BEST VALUE

