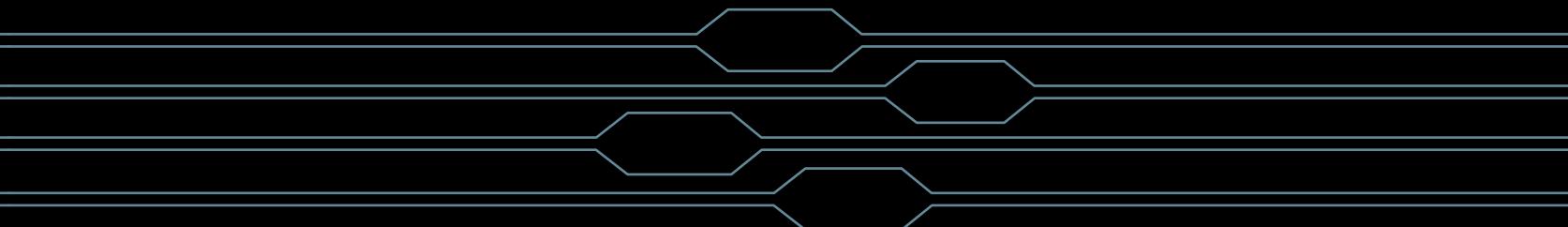


TATA MOTORS



OWNER'S MANUAL



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TATA
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OWNER'S MANUAL



TATA MOTORS

CUSTOMER ASSISTANCE

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

In case you have a query regarding any aspect of your vehicle, our Customer Assistance Centre will be glad to assist you on our Toll Free no. **1800 209 7979**

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 the toll-free Roadside Assistance.

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



Dear Customer,

Welcome to the TATA MOTORS family.

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

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

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

You are welcome to contact our dealer or Customer Assistance toll free no. **(1800 209 7979)** in case of any query or support required.

We wish you a safe and pleasant driving experience.

TATA MOTORS

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

IMPORTANT INFORMATION

- Before driving, read this Owner's manual carefully and familiarize yourself with your vehicle. For your own safety and a longer vehicle life, follow the instructions, 'Warnings' 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. If you sell the vehicle, always pass on the documents to the new owner.
- This Owner's Manual describes all variants of the model and all standard/optional equipment of your vehicle available at the time of printing. Please note that your vehicle may not be equipped with all features described.
- TATA MOTORS Limited reserves the right to introduce changes in the design, equipment and technical features without any obligation to install them on the vehicles previously sold. The equipment in your vehicle may therefore differ from that shown in the descriptions and illustrations.
- Do not carry out any modification including fitment of non-genuine accessories on your vehicle. Safety, handling, performance and durability, may otherwise be adversely affected and may violate government regulations. TATA MOTORS Limited accepts no liability for damage resulting from the modifications or use of non-genuine accessories.
- All rights reserved. The information in this manual shall not be copied, translated or otherwise reproduced, in whole or in part, without written permission from TATA MOTORS.

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Environment Safety

Important Information

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

NOTE

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

WARNING

Indicates procedures or information that must be followed precisely in order to avoid the possibility of severe personal injury and serious damage to the vehicle.

Safe Driving

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

Safe driving depends on:

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

NOTE

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

Safety Tips

- Always take into account the road conditions, weather conditions, vehicle speed in order to prevent accidents.
- Turn 'ON' the side indicators at least 30 meters before taking a turn or changing the lane.
- Decelerate to a safe speed before taking turn. Do not apply brakes during cornering.
- When overtaking other vehicles, watch out for the oncoming vehicle.
- 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.

SAFETY

Driving through water

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

If at all the situation demands that you have to drive through water then;

- Keep engine in higher RPM and crawl the vehicle in low gear.
- Flowing or rushing water creates strong forces. Driving through flowing water could cause the vehicle to be carried away. Be very cautious about trying to drive through flowing water.
- Lightly apply the brake pedal to dry the liners until the brakes work normally once you are out of water.

WARNING

Do not attempt to start the engine if vehicle gets flooded due to water. Tow the vehicle to a safe place. Contact a nearest TATA MOTORS Authorised Service Centre.

Driving on a rainy day

- Check wiper blades, lights and brakes for proper functioning and condition.
- Check the tyre treads depth, the condition of the tread and tyre.
- Avoid harsh braking and sharp turns. It may cause loss of control and lead to a skid.
- For slowing down, shift to lower gears and brake gently.
- Keep lights 'ON' if visibility is poor.

Driving through wet roads

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

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

NOTE

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

Night driving

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

Driving on gradients

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

When driving downhill, the engine braking should be used by shifting into a lower gear. Do not drive in neutral gear or switch off the engine.

WARNING

On long and steep gradients you must reduce the load on the brakes by shifting early to a lower gear. This allows you to take advantage of the engine braking effect and helps avoid overheating of service brakes resulting in reduced braking efficiency.

Driving on highway

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

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

SAFETY

Seat Belts

Seat belt is a safety device designed to secure the occupant travelling in the vehicle. TATA MOTORS strongly recommends that all the occupants should always wear seat belts while travelling, irrespective of journey duration.

In normal driving, the belt lets you move freely in your seat. In case of an accident or sudden braking, inertia reel automatically tightens the belt to help restrain your body.

Importance of wearing seat belt

- Reduces the risk of being thrown inside the vehicle in case of a collision/sudden braking.
- It will help to keep you in the proper position when the air bag inflates.
- Reduces the risk of harm in frontal/angular collisions that are not enough to activate the air bag.
- Reduces the risk of harm in rollover, side or rear impact collisions.

WARNING

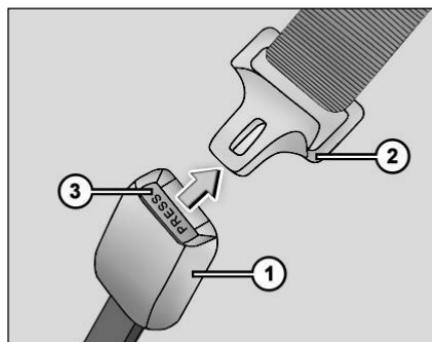
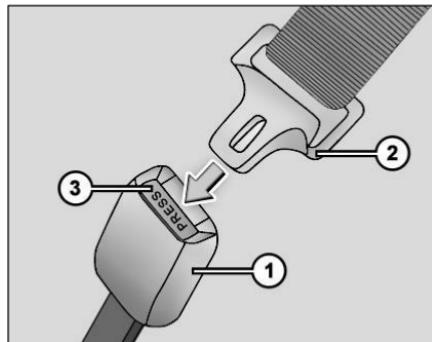
- Never wear seat belt over rigid or breakable objects, such as eyeglasses, pens, keys etc., as these might cause injuries.
- Make sure the seat belt is always fitted comfortably.
- Place the seat backrest in a position that is as upright as possible. Make sure that the seat belts are not twisted which can cause injury in a collision as the full width of the belt isn't available to absorb the impact. This could cause serious injury.
- The maximum protection that seat belts can offer is only achieved if you are correctly seated.

NOTE

Do not bleach or dye seat belts as this may severely weaken them. In a crash they may not be able to provide adequate protection. Cleaning should be carried out using mild soap and water only.

SAFETY

How to use seat belts



1. Buckle 2. Tongue 3. Press Button

1. Pull the belt tongue across your body and insert it into the buckle until click sound is heard.
2. Check and ensure that the belt is not twisted.
3. Position the lap portion of the belt as low as possible across your hip bone.
4. Pull up the shoulder part of the belt to remove the slack. Make sure that the belt goes over your collar bones and across chest.
5. The lap portion of the belt should be worn across the pelvis, not across the waist.



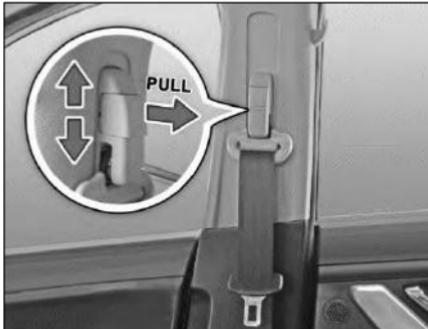
6. To unlatch the belt, press the red button on the buckle. Guide the belt to the pillar as it retracts.

WARNING

- Seat belts are intended for adults and each belt should be used by one occupant only.
- Use approved child restraint system for children.
- If the belt has withstood serious accident or shows signs of severe fraying/damage or cut, replace it with an approved belt kit.
- Do not make any modification that could change the effectiveness of the seat belts.
- If seat belt needs to be replaced, then it should be replaced, by TATA MOTORS Authorized Service Centre only.

SAFETY

Seat belt adjustment (if equipped)



Adjust height of seat belt with help of knob. For that pull the knob and adjust the height of seat belt until it reaches desired comfortable position.

Lap belt (for rear middle seat)

Pull the belt tongue to the desired length. Insert it into the buckle until you hear a click.

Adjust the belt length. To lengthen the belt, hold the tongue at a right angle to the webbing and pull. To shorten, pull the loose end of the webbing. To unfasten, press the button in the buckle.

WARNING

Position the lap belt as low as possible on your hip bone and not across the abdomen. If the lap belt is positioned across your abdomen, it could cause serious injuries in a crash.

Pregnant woman

Pregnant women should also always use a lap-shoulder belt. The lap belt portion should be positioned as low as possible on the hip bones to avoid any possible pressure on the abdomen.

Child Restraint System (CRS)

TATA MOTORS strongly recommends the use of Child Restraint Systems (CRS) for all children up to age of 12 years.

Children kept unrestrained while travelling, may face serious injuries in case of an accident.

Selection and installation of CRS

Always select the child restraint system 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 CRS is securely installed in the vehicle.

For installation, please refer CRS manufacturer's instruction manual.

Recommended CRS position

The suitability of seat position for carriage of children and recommended category of child restraint system is shown in the table below. (Applicable for Rear Seat - 100% and 60:40%).

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

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

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

NOTE

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

SAFETY

NOTE

When installing CRS in rear seat, push the front seat fully forward so that child's feet do not touch the front seat back.

NOTE

If a child is to be seated in the front seat (if recommended only), push the vehicle seat fully rearward and keep the child in an approved forward facing CRS. Adjust the seat backrest to an upright position.

Storage for CRS

Always secure CRS safely in the vehicle or stow it in the luggage compartment if not being used.

While the vehicle is in motion an unrestrained CRS could flung through the vehicle interior in the event of a sudden braking, maneuver or an accident. This could cause injuries to the travelling occupants.

WARNING

Replace CRS that has withstood any force during an accident as it could have sustained damage which may not be visible.

Check list

1. Never carry children on somebody's lap when vehicle is in motion.
2. Always secure children in the vehicle in a CRS. The CRS must be suitable for the child's height, weight and build.
3. Observe the instructions from the manufacturer of the CRS and always keep the instruction manual in the vehicle.
4. Always make sure that the seat belt routing is correct for children and they are sitting in the correct position.
5. Do not leave any toys or other objects loose in the CRS or on the seat while the vehicle is in motion.

WARNING

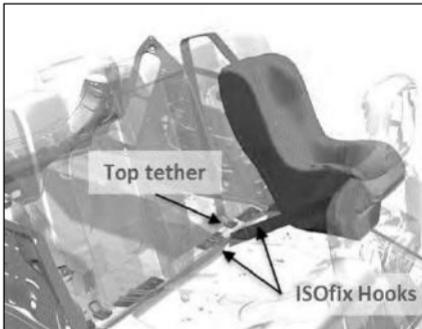
Each CRS should be used for one child only.



ISO FIX (if equipped)

- CRS can be installed in the vehicle by seat belt and/or ISOFIX only or ISO-FIX with Top Tether (if equipped).
- A rear facing child seat provides restraint with the seating surface against the back of the child. The harness system of CRS holds the child in place, and in an accident, acts to keep the child positioned in the seat and reduce the stress to the fragile neck and spinal cord.
- All children below age of one year must always ride in a rear-facing infant child restraint.
- A forward-facing child seat provides seats for the child's body with a harness. Keep children in a forward-facing child seat with a harness until they reach the size or weight limit allowed by your child restraint's manufacturer.

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



Forward facing child seat installation



Rearward facing child seat

SAFETY

Anti-Theft Device-Immobilizer/ PEPS

Immobilizer system is designed to prevent vehicle theft by electronically disabling the engine ignition system. The engine 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." Take precaution about Flip key, as without Flip key 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">- Problem with key (Wrong key used to start vehicle)- Problem with Immobilizer system. Contact a TATA MOTORS Authorized Service Centre
Ignition ON	Blinking	Unlocked	<ul style="list-style-type: none">- Contact a TATA MOTORS Authorized Service Centre immediately

Key

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

Unlocking principle

The transponder which is built into the ignition key carries a unique identification code. The vehicle unlocks when the code on the key matches with the code on the Engine Management System (EMS). In case of PEPS variant, Immobilizer function is provided by PEPS ECU.

Engine starting

When the key is inserted and the ignition is switched 'ON', all codes are communicated within key, Immobilizer and EMS. The engine will start only if all the codes match.

Loss of keys

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

WARNING

- Do not turn 'ON' ignition switch by using key with any type of metal wound around its grip or in contact with it. This may be detected as abnormal condition by immobilizer and prevent engine from starting.
- Do not leave the 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.

Child Lock



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

NOTE

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

SAFETY

NOTE

Child safety lever to be used for safety of child for preventing them to open rear door while seating in passenger seat to avoid accident while vehicle is running.

Air Bags - Supplemental Restraint System (if equipped)

The driver's front air bag is located behind the center pad of the steering wheel and the front passenger's front air bag is located on dashboard above glove box.

Front air bags are designed to inflate in severe frontal collisions when the ignition switch is in the 'ON' position.

Front air bags are not designed to inflate in rear impacts, side impacts, rollovers or minor frontal collisions, since they would offer no protection in those types of accidents.

Remember, since an air bag deploys only one time during an accident, seat

belts are needed to restrain occupants from further movements during the accident.

Therefore, an air bag is NOT a substitute for seat belts. To maximize your protection, always wear your seat belts.

In a frontal collision, the crash sensors detect and trigger the inflators. The inflators inflate the air bags with nitrogen or argon gas. The movement of the driver and of the front passenger is cushioned when they make contact with the fully inflated airbag and the risk of injury to head and chest is reduced. You may hear a noise along with some smoke, dust and smell of burnt propellant immediately after the air bag has inflated. DO NOT PANIC as this is normal and is not an indication of fire in the vehicle.

NOTE

Engine will be shut OFF as soon as air bag is deployed.

NOTE

- An air bag supplements, or adds to, the crash protection offered by seat belts. The driver and all passengers must be properly restrained by wearing seat belts at all times.
- Drive with the seat belt fastened correctly and in a position that is as upright as possible with your back against the backrest.
- Do not lean your head or chest close to the steering wheel or dashboard.

WARNING

Do not attach any objects to, or place any objects over, the steering wheel or dashboard. These objects may interfere with air bag operation or may be propelled by the air bag in the event of a crash. Either of these conditions may cause severe injury.

NOTE

- If the Air bag warning Tell tale  on the instrument cluster stays ON while driving, there may be a problem with the Air bag system. Contact TATA MOTORS Authorised Service Centre.
- In case of any frontal damage to your vehicle or any maintenance required to be performed should be done by TATA MOTORS Authorised Service Centre only.
- Do not permit anyone else to do any service, inspection, maintenance or repair on any SRS components or wiring.
- Improper work on the SRS system will result in inadvertent deployment of the air bag or malfunctioning.

Anti-lock braking system (ABS)

(if equipped)

ABS regulates brake pressure in such a way that the wheels do not lock when you brake.

This allows you to continue steering the vehicle when braking.

The  ABS warning lamp in the instrument cluster lights up when the ignition is switched on. It goes out when the engine is running.

WARNING

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

When Braking:

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

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

WARNING

- The stopping distance required for vehicles with ABS may be slightly more than conventional brake system but ABS will still offer the advantage of helping you maintain directional control.

SAFETY

WARNING

- 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.

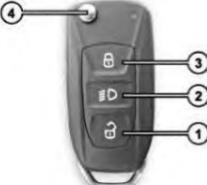
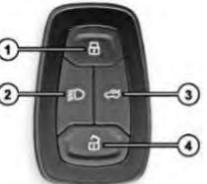
EBD provides optimal braking pressure distribution between front and rear wheels to optimize braking distance and to ensure vehicle stability by means of lowering braking pressure increase at rear wheels.

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.

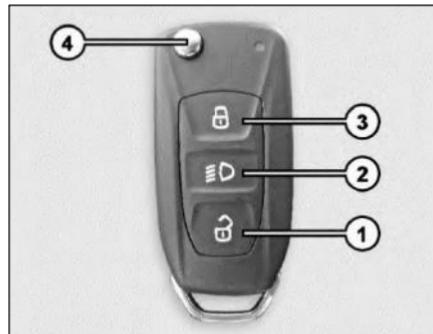
OPENING AND CLOSING

Keys (as applicable)

S.no	Name	Remote key	Description
1.	Flip key with remote		<ol style="list-style-type: none">1. Unlocking all doors2. Approach light/Tail gate opening3. Locking all doors4. Folding key blade in/out
2.	Mechanical key		<ol style="list-style-type: none">1. Locking all doors2. Unlocking all doors
3.	Smart Key		<ol style="list-style-type: none">1. Locking all doors2. Approach light3. Tail gate opening4. Unlocking all doors

OPENING AND CLOSING

Flip Key with Remote



1. Unlocking all doors
2. Approach Light/Tail gate unlatch
3. Locking all doors
4. Folding key blade IN/OUT

1. Unlocking all doors

Pressing the unlock button (1) of remote will unlock all the Doors.

2. Approach light

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

Tail gate Unlatch

To unlatch the Tail gate, long press the approach light button (2) on remote for more than 2 sec.

NOTE

Tail gate once unlatched will not get lock automatically with doors.it will locked by slamming it

3. Locking all doors

Pressing the Lock button (3) once. Remote locks all the doors of the vehicle.

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.



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

OPENING AND CLOSING

Flip key Features

Vehicle search

In vehicle locked condition if lock button on remote key is pressed the turn indicators of vehicle flashes 4 times.

Automatic activation of immobilizer

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

For few variant, Ignition off is required to immobilize the vehicle.

Auto locking / unlocking of doors / auto relock

- Vehicle doors get automatically locked when all doors are closed and the vehicle speed crosses 10 kmph. Please refer section starting and driving for more information.
- When ignition key is taken out all the doors get automatically unlocked.

- For few variant, when ignition is turned off all the doors get automatically unlocked.

Also, 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' which can record and reproduce some types of remote codes.

Sleep Mode

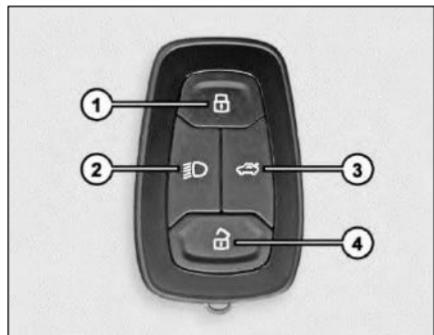
If remote key is not used for more than a week then its functionalities will turn to sleep mode. In such a case, to activate the remote key functionalities, open the door mechanically with the key blade.

NOTE

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

OPENING AND CLOSING

Smart Key (if equipped)



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

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

1. Locking all door

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

Please refer section starting and driving for more information.

2. Approach light

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

3. Tail gate Opening

To open the Tail gate press the button (3) once on the smart key, Tail gate will unlatch. Please refer section starting and driving for more information.

4. Unlocking all doors

Pressing the unlock button (4) once. Remote will unlock all the Doors. Please refer section starting and driving for more information.

NOTE

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

Key blade in / out



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

Smart Key Features

Vehicle search

In vehicle locked condition if lock button on remote key is pressed the turn indicators of vehicle flashes 4 times.

Automatic activation of immobilizer

If smart key will not found within the passenger compartment, engine will be immobilized and vehicle cannot be start.

Auto locking / unlocking of doors / auto relock

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

Anti-grab / anti-scan coding

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

Important

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

WARNING

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

Smart key Precautions:

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

OPENING AND CLOSING

Two Smart Keys Scenarios

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

OPENING AND CLOSING

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

OPENING AND CLOSING

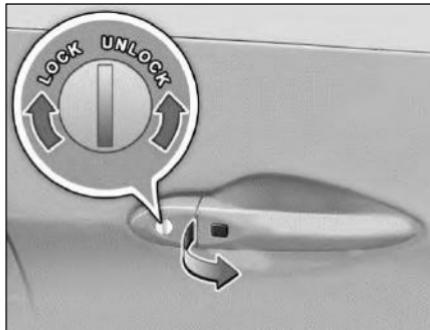
Sr.No	Scenarios	Precondition	Action	PEPS behaviour
6	One smart key is inside the vehicle (away from Immobilizer antenna) and other Smart key is outside the vehicle within authentication range.	Vehicle is in ACC/IGN mode, all door closed, and vehicle is in unlock state.	Keep the outside smart key within driver door vicinity and try to lock vehicle with driver door handle switch from driver / co driver side.	Vehicle doesn't get locked in ACC / IGN mode.

OPENING AND CLOSING

Doors

Door locking / unlocking with key

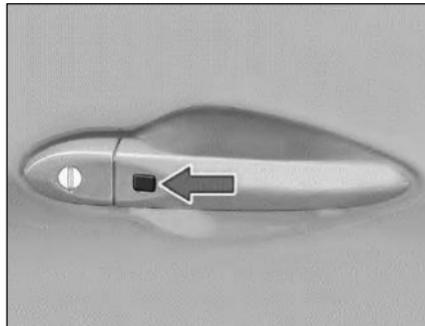
Driver / co-driver doors can be locked or unlocked from outside using the key blade.



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

Door locking / unlocking using door handle switch (DHS)

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



NOTE

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

Locking without a key from inside



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

OPENING AND CLOSING

Opening the doors from inside



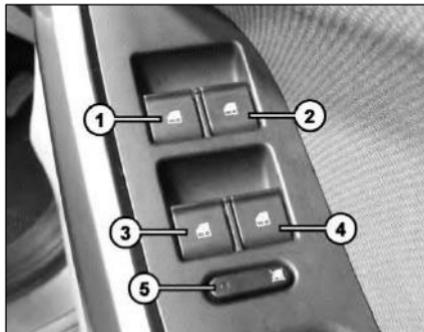
All doors can be opened from inside. To open, pull the door opening knob (1) and then lever (2).

NOTE

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

Windows

Power windows (if equipped)



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

Window glasses on all four doors can be operated by switches provided on the main control panel located on the

driver's arm rest. They work only when the key is in the 'IGN ON' position.

NOTE

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

Express down (if equipped)

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

OPENING AND CLOSING

Individual switches

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



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

WARNING

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

Inhibit switch



Inhibit switch ON



When switch is pressed, red light turns 'OFF'. The individual switches provided on rear and

front passenger door can not be operated. Still it can be operated from the switches on driver's arm rest.

Inhibit switch OFF



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

WARNING

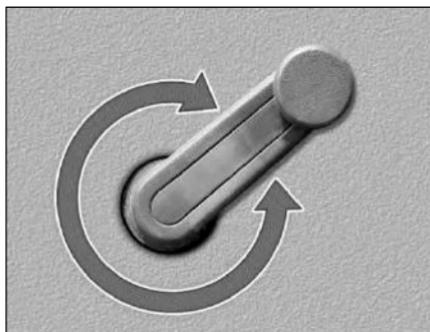
- If children operate the windows they could be get trapped, particularly if they are left unsupervised. There is a risk of injury.
- Activate the window inhibit feature when children are travelling. When leaving the vehicle, always take the key with you and lock the vehicle. Never leave children un-supervised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

OPENING AND CLOSING

Manual Window Winding

(if equipped)

Use window winder handle for lowering or raising up window glasses manually where power windows are not provided.



Bonnet Opening

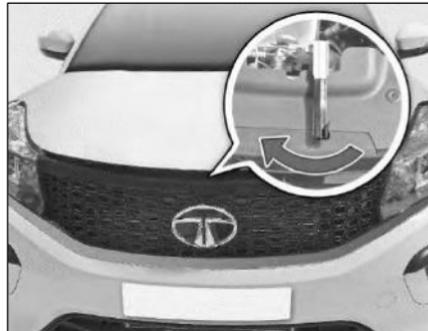
1. Ensure that the vehicle is in neutral gear with the parking brake applied.
2. Pull the bonnet release lever. The bonnet will pop up slightly.



3. Raise the bonnet slightly and with your finger slide the secondary lock lever located under the bonnet center.

NOTE

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



OPENING AND CLOSING

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



WARNING

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

Closing

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

WARNING

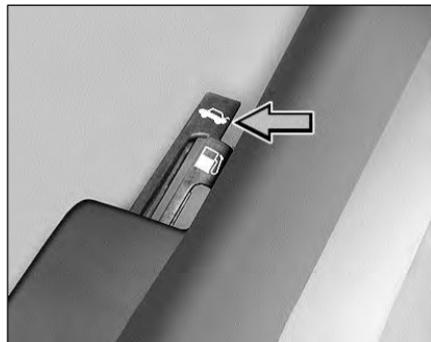
Ensure that the bonnet is properly locked before driving or it can fly up unexpectedly during driving.

Tail gate Opening

NOTE

Some variants may have multiple options.

Option I



To open the Tail gate, pull the lever located at the right hand side below the driver's seat and lift the Tail gate.

OPENING AND CLOSING

Option II



Remote operated Tail gate unlatching can be done through long press (2 sec) approach light button on remote key.

Option III



When user press the Tail gate button on remote, Tail gate gets unlatched.

WARNING

- Tail gate can be unlatched without smart key.
- By pressing Tail gate button on smart key and pressing Tail gate door handle switch within 30 second.

Option IV



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

NOTE

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

OPENING AND CLOSING

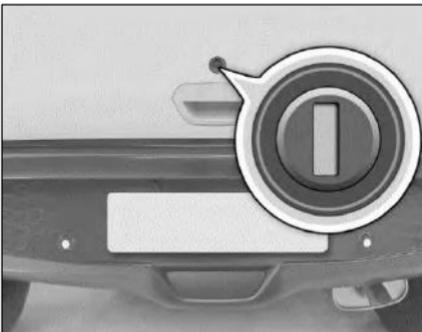
Option V



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

On closing the Tail gate door, Tail gates gets locked. During closing Tail gate if doors are in locked condition and valid smart key is inside the trunk, then Tail gate gets unlocked.

Option VI



Tail gate opened by using door key, The lock is located on the Tail gate.

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

NOTE

- For Tail gate unlatch remote operation, vehicle shall be in OFF mode.
- Tail gate once unlatch it will not get locked automatically with other doors.
- If doors are in unlocked condition, Tail gate can be unlocked via Tail gate handle switch independent of smart key.
- Avoid keeping smart key inside the boot space area while closing Tail gate.

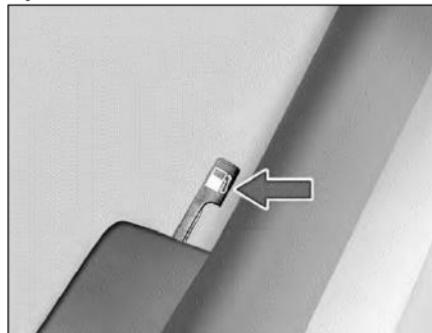
WARNING

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

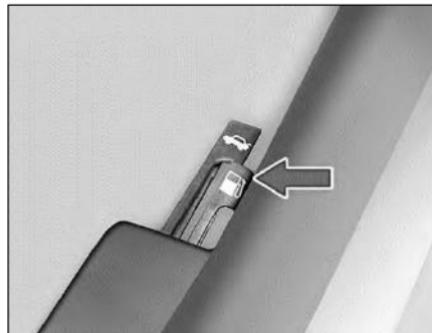
OPENING AND CLOSING

Fuel lid

Option I



Option II



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

Open the fuel flap. To open the fuel cap by turning it in counter clockwise direction for fuel filling.

For closing, close the fuel cap and gently push the fuel flap till it gets locked.



WARNING

Fuel vapour is extremely hazardous. Always switch 'OFF' the engine before refueling and never refill near sparks or open flames. Do not use cell phone while refueling.

Do not continue adding fuel after the automatic shut 'OFF' function is operated if it is equipped on the fuel station. Overfilling the fuel tank could damage the fuel system.

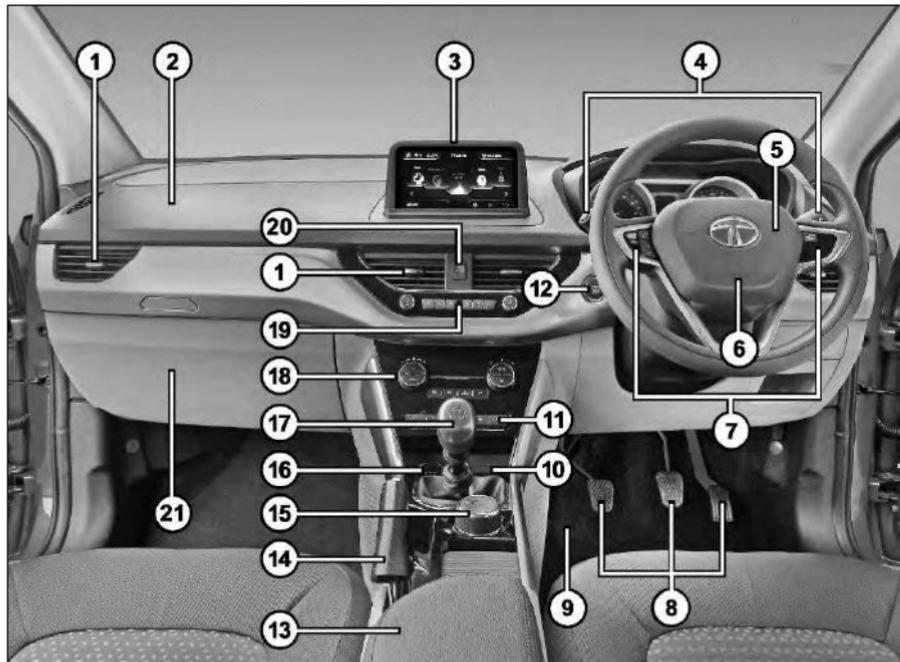
NOTE

Remove the fuel filler cap slowly, and wait for any hissing to stop. The fuel may be under pressure and may spray out.

If fuel cap needs replacement, ensure that it is replaced by a genuine cap at TATA MOTORS Authorized Service Centre only.

DASHBOARD AND FEATURES

Cockpit

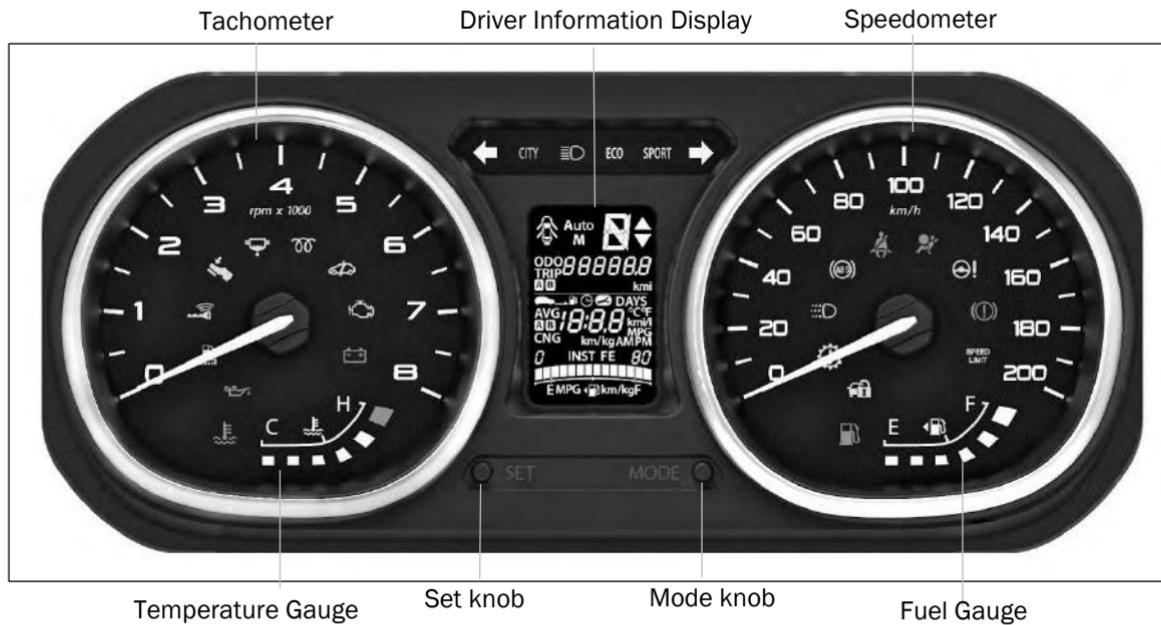


1	A.C. Air vent
2	Air Bag (PAB) (if fitted)
3	Infotainment Display (if fitted)
4	Combi-Switch
5	Horn pad
6	Air Bag (DAB) (if fitted)
7	Steering Wheel Switches (if fitted)
8	Controls
9	Foot Rest
10	USB/AUX Port
11	Fascia switches
12	Start/Stop switch
13	Foldable Arm-Rest (if fitted)
14	Parking Brake Lever
15	Drive Control knob
16	Power socket
17	Gear Shift Lever
18	HVAC Control panel
19	Infotainment Switches
20	Hazard Warning Switch
21	Glove Box

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

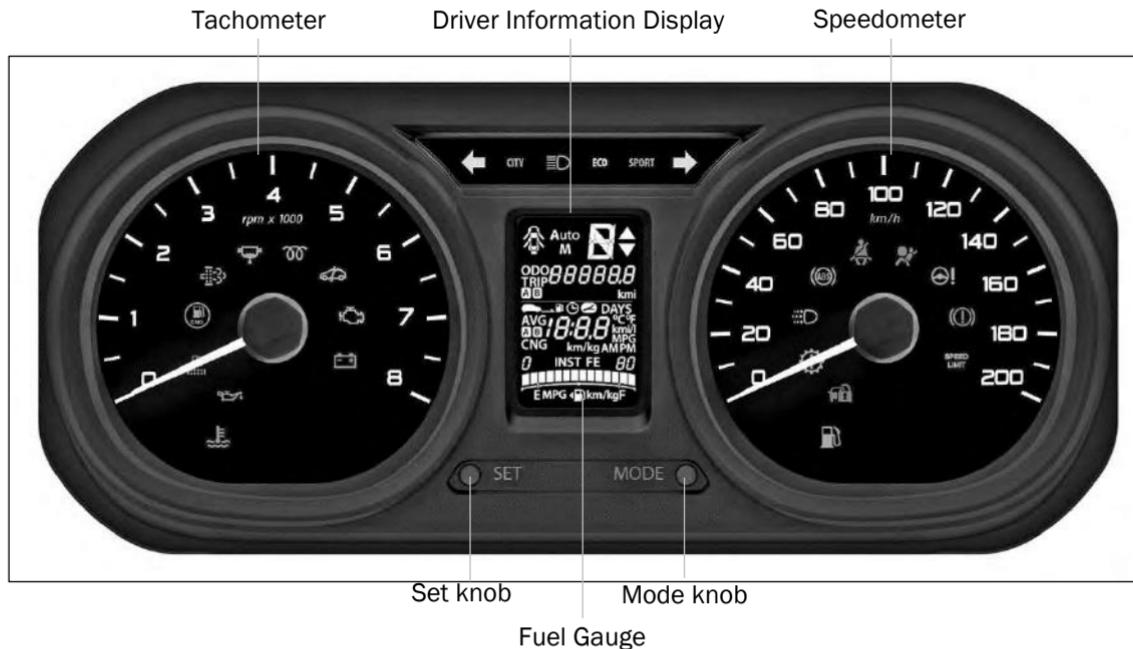
DASHBOARD AND FEATURES

Instrument Cluster – Version 1



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

Instrument Cluster – Version 2



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

DASHBOARD AND FEATURES

Speedometer

Speedometer indicates the vehicle speed in km/h.

NOTE

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

Tachometer

Tachometer indicates engine speed in revolutions per min (rpm).

WARNING

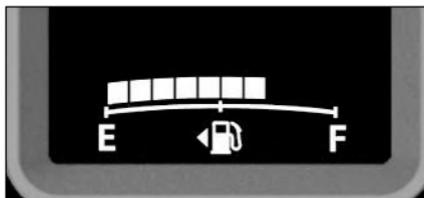
When engine is accelerated beyond safe 'rpm', the tachometer pointer turns RED. In such case, reduce the engine RPM immediately. Never drive the vehicle with engine in high 'rpm'. This may cause severe engine damage.

Fuel Gauge

When the ignition switch is in "ON" position, fuel gauge gives an approximate indication of the amount of fuel in the fuel tank. "F" stands for full and "E" stands for empty.



Version - 1



Version - 2

When fuel in the tank is near to empty position, low fuel warning Tell tale turns 'ON'. Refill the tank as soon as possible.

If fuel is not filled even after Low fuel warning Tell tale 'ON', first bar in fuel gauge will start blinking to indicate more severe low fuel warning.

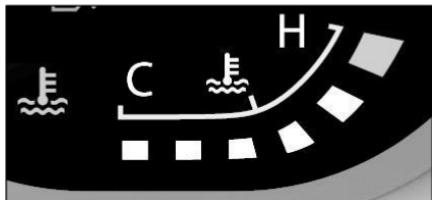
NOTE

- Check the fuel level when the vehicle is on level road.
- On inclines, curves, during braking and sudden acceleration due to the movement of fuel in the tank, the fuel level display may fluctuate or the low fuel warning lamp may illuminate earlier than usual.

WARNING

Low fuel warning symbol will blink if there is any fault in the system. Take your vehicle to the nearest TATA MOTORS Authorised service station if the symbol starts blinking.

Temperature Gauge (if equipped)



When the ignition switch is in the "ON" position, this gauge indicates the engine coolant temperature.

The indicator should stay within the normal, acceptable temperature range between "H" and "C". If the indicator approaches "H", overheating is indicated by red LED bar.

If the coolant temperature reading is very high, the warning Tell tale flashes with an audible buzzer. In this case, stop the vehicle, switch 'OFF' the engine and cool it down for some time. Contact a nearest TATA MOTORS Authorised Service Centre immediately for rectification.

WARNING

The red LED bar and high coolant temperature warning Tell tale indicates overheating that may damage the engine. Continuing to drive the vehicle when engine overheating is indicated can result in severe engine damage or fire.

DASHBOARD AND FEATURES

Driver Information	System Image	Description
Odometer		Indicates distance travelled by a vehicle. The Odometer reading does not return to "0" when maximum value is reached, the display will freeze to maximum value.
Trip meter A & B	 	The trip meter can be used to measure the distance travelled on short trips or between fuel stops. It can be reset to "0". Trip meter reading becomes "0.0" after it crosses 9999.9 kms.
Average Fuel Economy for Trip A and Trip B	 	Displays "Average Fuel Economy" since last reset. Whenever the Trip A/B meter get reset the respective AFE A/B shall get reset.
Distance To Empty		Indicates approximate distance that your vehicle can travel with available fuel in tank under current average fuel consumption rate and it displayed in "km" NOTE: Irrespective of DTE value, please fill the Fuel if the low fuel warning is turned ON.
Instantaneous fuel Economy		The display shows the value of instantaneous fuel consumption only when the vehicle is moving.

DASHBOARD AND FEATURES

Driver Information	System Image	Description
Clock		<p>Indicates current time in AM/PM mode. Clock time can be changed using 'SET' & 'MODE' knob.</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> <p>NOTE: Clock settings can also be changed through infotainment system. For more information, refer infotainment manual.</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 at every ignition ON for few seconds. Never reset the display between service intervals otherwise this may result in to incorrect readings. Information is retained in the service interval display also after the vehicle battery is disconnected.</p> <p>NOTE: This option is for indicative purpose only. Keep track of your odometer reading and follow the maintenance schedule.</p>
Current gear position indicator		<p>Current gear engaged by the transmission shall be displayed on DIS.</p> <p>NOTE: If "F" is displayed it means 'Fault' condition. Contact a TATA MOTORS Authorised Service Centre.</p> <p>In case of Manual Transmission, the Gear number shall be displayed when the clutch is fully released.</p>

DASHBOARD AND FEATURES

Driver Information	System Image	Description
Door Ajar (If applicable)		All four door and Tail gate are indicated independently when respective door or tail gate is open.
		This warning will be indicated when driver door is open. NOTE: If any other door is open roof lamp will be 'ON'.
Gear Recommendation		Up or Down arrow shall be displayed on DIS whenever Gear should be put Up or Down. This feature is applicable to both AMT and Manual transmission variant. No arrow shall be displayed when the selected Gear is as per the Vehicle dynamics. Following the recommended Gear shall result into a better Fuel Economy.

DASHBOARD AND FEATURES

1. Instantaneous fuel economy (IFE)

Monitor IFE bar graph to achieve better fuel economy.

NOTE

IFE will vary frequently as per driving pattern.

IFE display does not show Fuel Economy of last drive.

It indicates fuel economy of current Drive when Ignition is turned 'ON'.

The display does not show actual value unless vehicle is moving.

The indication on the display may be delayed if fuel consumption is affected by driving pattern.

2. Average fuel economy (AFE)

Average Fuel Economy will reset to '0' when respective Trip meter is reset.

Average Fuel Economy will be displayed as '---' for initial 0.5 km of respective trip. Once 0.5 km distance is covered, Average Fuel Economy will be displayed.

Even after 0.5 km distance covered for particular trip, if Average Fuel Economy is displayed as '---', then take your vehicle to TATA MOTORS Authorized Service Centre.

NOTE

AFE value is estimate of fuel economy. It may vary significantly based upon driving conditions, driving habits and condition of vehicle.

Average Fuel Consumption will get Reset to '0' when Battery is removed and refitted.

3. Distance to empty (DTE)

It indicates approximate distance in 'km' that your vehicle can travel with available fuel in tank.

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

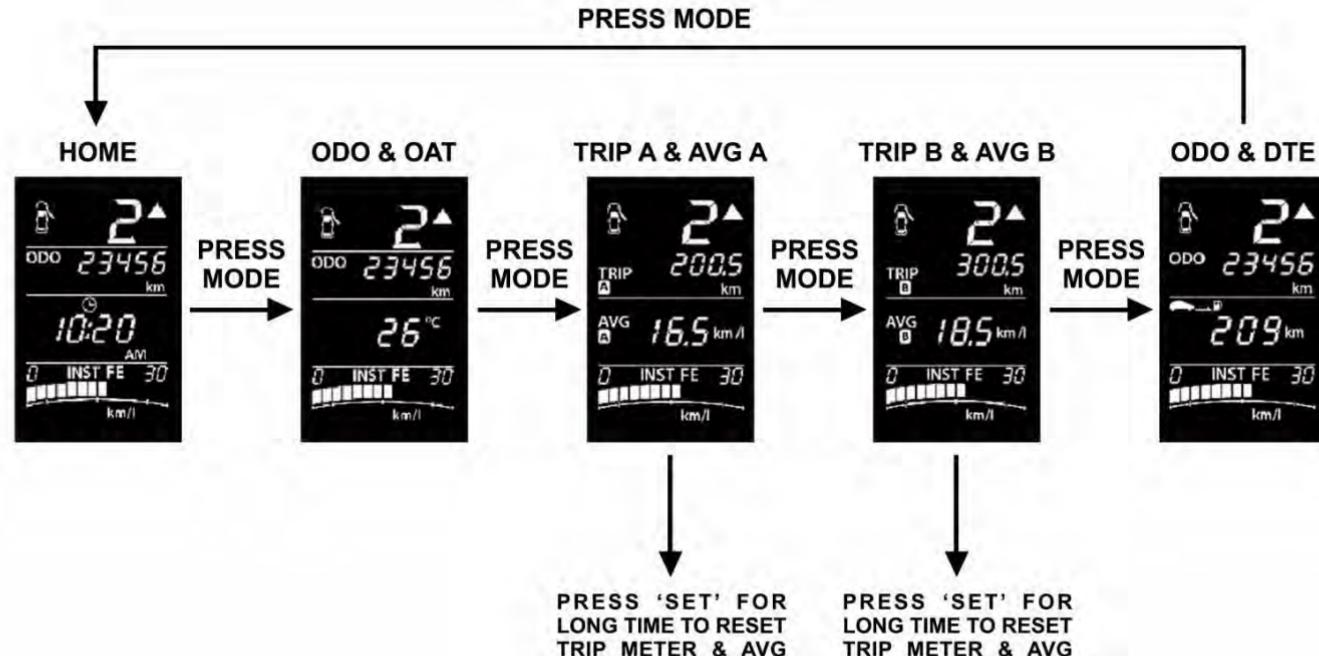
If DTE is displayed as '---', then take your vehicle to TATA MOTORS Authorized Service Centre.

The DTE will update with new value when fuel is added more than 4 Litres at a time.

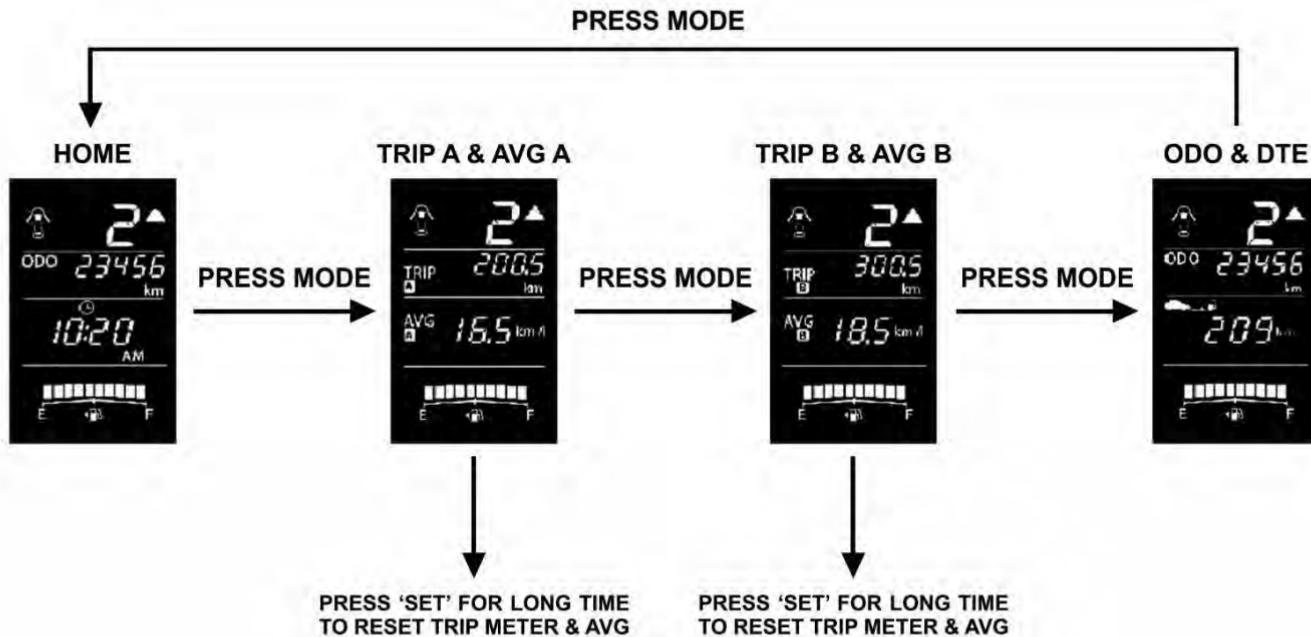
If low fuel warning light turns 'ON', fill the fuel tank immediately regardless the value of displayed DTE.

DASHBOARD AND FEATURES

Driver Information Settings (Version 1)

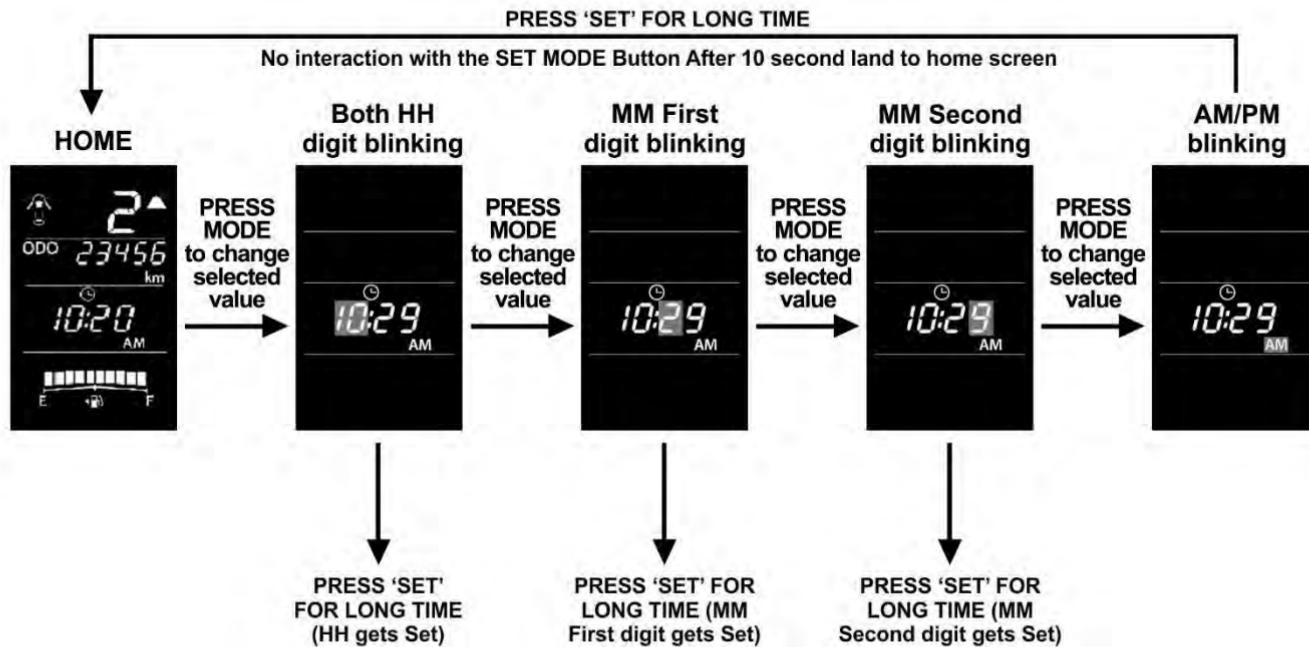


Driver Information Settings (Version 2)



DASHBOARD AND FEATURES

Clock setting



Instrument Cluster Illumination



WARNING

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

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.

DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
Malfunction Indication Lamp (MIL)	Amber		<p>1. Illuminates when ignition is switched 'ON'. Once engine is started, it turns 'OFF'.</p> <p>2. It remains 'ON' for any engine related fault that may increase emission levels of the vehicle beyond the regulatory norms. Contact a TATA MOTORS Authorised Service Centre for rectification.</p>
Check Engine	Amber		<p>1. Illuminates when ignition is switched 'ON'. Once engine is started, it turns 'OFF'.</p> <p>2. Illuminates continuously if a fault arises in Engine Management System. Contact a TATA MOTORS Authorised Service Centre.</p>
Immobilizer	Red		<p>1. Illuminates when the system disables engine start if the original key is not used.</p> <p>2. Lamp blinks: Vehicle is in immobilized condition when key is not inserted.</p> <p>3. Lamp ON: Problem with key/system. Contact a TATA MOTORS Authorised Service Centre.</p> <p>4. Lamp OFF: Normal condition (Authenticated user) and engine will start.</p>
Water in fuel (Diesel)	Amber		<p>1. Illuminates when ignition is switched 'ON'. Once engine is started, it turns 'OFF' approx. 4 seconds.</p> <p>2. Illuminates continuously if excess water is accumulated in the fuel filter. Contact a TATA MOTORS Authorised Service Centre to drain the water immediately to avoid serious damage to the fuel injection system.</p>

DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
Glow Plug (Diesel)	Amber		<p>1. Illuminates when ignition key is in 'ON' position. 2. Engine shall be started only after this indicator goes 'OFF'.</p>
Turn Signal	Green		<p>Indicates direction indicated by the turn signal. Blinks along with buzzer while operating left/right turn indicator only when ignition is switched 'ON'. The direction indicator arrow on Instrument Cluster flashes along with external indicator lights as selected. Both Tell tales shall blink simultaneously when Hazard switch is pressed irrespective of Ignition ON and the Tick-Tock sound shall be given when any one or both the Tell tales are ON.</p>
High Beam	Blue		<p>Illuminates when the high beam headlamps are switched 'ON' or flashed.</p>
Low Oil Pressure	Red		<p>1. Illuminates when ignition is switched 'ON' and goes 'OFF' once required engine oil pressure is developed after starting the engine. 2. If the low oil pressure indicator does not glow or remains 'ON' with the 'IGN' 'ON' and engine is running, it indicates a fault in the electrical circuit / lubrication system. Contact a TATA MOTORS Authorised Service Centre.</p>

DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
Battery charging	Red		<p>Illuminates when ignition is switched 'ON'. Once engine is started, it turns 'OFF'.</p> <p>If it remains 'ON' while the engine is running, it indicates that the battery is not getting charged. Switch off all unnecessary electrical equipment and Contact a TATA MOTORS Authorised Service Centre.</p>
Park Brake / Brake Fluid Low / ABS Fault / EBD Fault	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"> 1. Brake fluid level is low. 2. Park brake is applied & turns 'OFF' when it is released. 3. ABS/EBD system has a fault.
Seat belt warning	Red		<p>Seat belt warning indicator comes 'ON' for 4 seconds, when ignition is turned 'ON'.</p> <p>If seat belt is not fastened and lamp shall be made ON continuously for 30 sec.</p> <p>If seat belt is not fastened the lamp will be 'ON' continuously without audio alarm till vehicle speed reaches 16 km/h. When vehicle speed exceeds above 16 km/h, the lamp will continue to flash with intermit-tent audio alarm. Once the seat belt is fastened, the buzzer and warning indicator shall go 'OFF'.</p>

DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
Airbag status (if applicable)	Red		Illuminates when ignition is switched 'ON' and goes 'OFF' in approx. 4 seconds. If it will continuously illuminate or blinks then Contact a TATA MOTORS Authorised Service Centre immediately.
EPAS	Amber		Illuminates momentarily when ignition is switched 'ON'. Illuminates when there is a fault in the EPAS. Contact a TATA MOTORS Authorised Service Centre immediately.
High Coolant Temperature	Red		Illuminates when ignition is switched 'ON' and goes 'OFF' in approx. 4 seconds. If the engine is overheating, this indicator blinks along with an audible buzzer at this stage Contact a TATA MOTORS Authorised Service Centre immediately. This symbol blinks along with audible buzzer when engine coolant temperature is more than normal. When engine coolant temp increases to hazardous level, Tell tale shall blink with RED color and it is accompanied by audio warning. Never remove the radiator pressure cap from the radiator when the engine is hot. Do not restart the engine until the problem has been duly attended.

DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
ABS (if applicable)	Amber		Illuminates when ignition is switched 'ON' and goes 'OFF' in 3 seconds. Illuminates continuously if there is any malfunction in ABS. Normal braking system will be operational without assistance of ABS. Contact a TATA MOTORS Authorised Service Centre immediately.
Low Fuel	Amber		Illuminates momentarily when ignition is switched 'ON'. The symbol lights up continuously if fuel level in the tank is low. Fuel needs to be filled immediately. IMPORTANT: The warning light will start flashing if there is any fault in the fuel system. Contact a TATA MOTORS Authorised Service Centre immediately
ECO	Green		When ignition is turned 'ON', this symbol comes 'ON' for 4 seconds and goes 'OFF'. ECO lamp ON indicates Economy drive. This mode is used to achieve better fuel economy.
CITY	Blue		When ignition is turned 'ON', this symbol comes 'ON' for 4 seconds and goes 'OFF'. CITY lamp ON indicates City drive mode. This mode is used to achieve optimum torque with fuel economy. CITY lamp ON indicates City drive mode. This mode is used to achieve optimum torque with fuel economy. CITY lamp ON indicates City drive mode. This mode is used to achieve optimum torque with fuel economy.

DASHBOARD AND FEATURES

Warning Lamps	Color	Indicator	Remarks
SPORT	Amber		This symbol lights up when the 'IGN' is turned 'ON' and goes 'OFF' after 4 seconds. This symbol comes ON when SPORT driving mode is activated when more torque is required.
AMT Fault (If applicable)	Amber		Illuminates momentarily when ignition is switched 'ON'. Illuminates continuously when there is a fault in Automated Manual Transmission system. Contact a TATA MOTORS authorized Service Centre immediately.
Key Not Detected	Amber		This symbol lights up when the Valid Smart key is not detected inside the vehicle.
Press Clutch/ brake Pedal to Start Engine	Amber		Press Clutch (Applicable to MT vehicle type): This turns ON with IGN ON till user press the clutch to start the engine. Press Break (Applicable to AMT vehicle type): This turns ON with IGN ON till user press the brake to start the engine
Daytime running lamps - DRL (if applicable)	Amber		Illuminates when ignition is switched 'ON' and goes 'OFF' after 4 seconds. This symbol illuminates when the Day Time Running lamp is 'ON'.
Fuel filter clogging (If applicable)	Amber		When ignition is turned 'ON', this symbol comes 'ON' for 4 seconds and goes 'OFF'. This symbol continuously comes 'ON' when Fuel Filter is clogged.

DASHBOARD AND FEATURES

Audio Reminders

Key in reminder

While leaving your vehicle, if you forget the key inside the vehicle in Ignition 'OFF' position, buzzer will provide audio warning. Remove Key to stop the warning.

No Key Detected Inside the vehicle:

- Vehicle is in ACC ON / IGN ON / Engine run condition
- Customer takes the smart key outside the vehicle and closes the door On last door close, customer can here audio warning on instrument cluster (beeps) for 10 seconds

NOTE

In this condition customer needs to bring the smart key inside the vehicle

Key Detected Inside or In Wrong Area:

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

NOTE

In this condition customer needs to bring smart key in proper range to lock vehicle

Rotate Steering Wheel:

- Vehicle is in OFF condition
- Customer presses the start-stop switch to start the engine or activate higher power mode
- Steering column found locked / Jammed by ECU

- Customer can here the audio warning on instrument cluster (beeps) for 3 seconds.

NOTE

In this condition customer needs to rotate the steering wheel and press the start-stop switch again

Park lamp 'ON' reminder

While leaving your vehicle, if you forget to turn 'OFF' the headlamps, buzzer will provide audio warning. Switch 'OFF' Park Lamps to stop the warning. Do not forget to turn 'OFF' your headlamps as it may drain your vehicle battery.

Park brake 'ON' reminder

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

DASHBOARD AND FEATURES

Reverse gear reminder

When Reverse Gear is engaged, audio warning for 1 sec will alert you.

Seat belt reminder

If driver seat belt is not fastened and vehicle speed goes above 15 kmph, audio alarm will start and continue for 30 seconds. Seat belt Tell tale will remain continuously 'ON' when audio alarm is active.

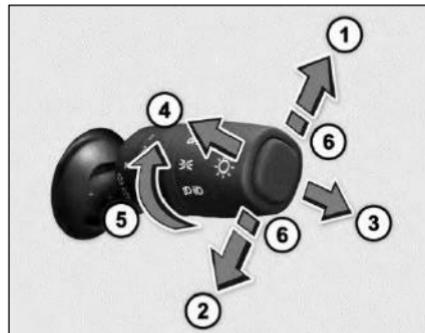
Day Time Running Lamps (DRL) (if equipped)

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

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



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 normal position.

3. **High beam** - Move the lever forward to select the High Beam function.

Pull the lever back to normal 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.

NOTE

DRL (if equipped) will turn 'ON' as long as parking lamp input is 'OFF' and engine is running.

To temporary deactivate DRL turn 'ON' and 'OFF' the park lamp switch two times within 3 seconds. The lamp can be activated again by performing the same action.

DASHBOARD AND FEATURES

iii) Low Beam

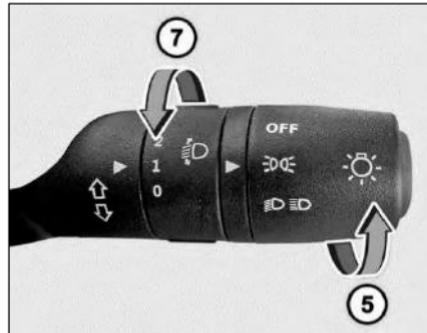


Rotate stalk to turn 'ON' the Low Beam function.

6. Lane Change Signal

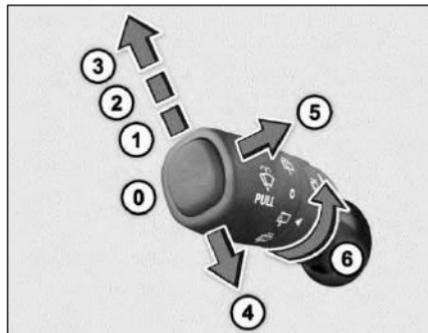
To signal a lane change, move the lever slightly up or down to the point where the turn signal light begins to flash, but the lever does not latch. The turn signal will flash 3 times automatically.

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 upon the number of passengers and luggage in the vehicle headlamp focus may change. This can be adjusted by rotating the knob to one of the 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.

DASHBOARD AND FEATURES

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.

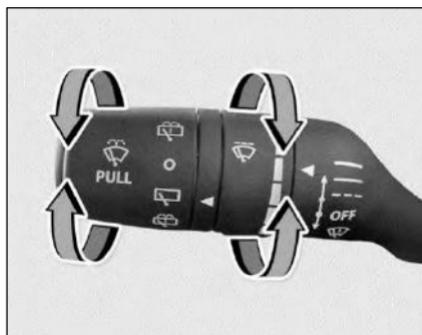


NOTE

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

6) Rear Wash and Wipe

(if equipped)



Rear Windshield / Wiper and Washer

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

Rear Wipe

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



NOTE

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

Rear Windshield / Wiper and Washer Switch

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



DASHBOARD AND FEATURES

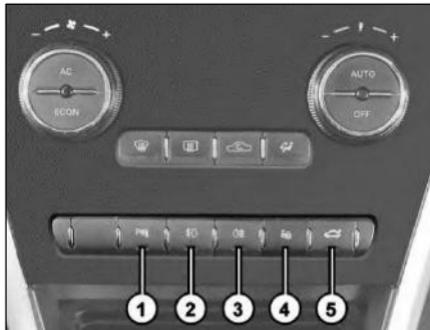
WARNING

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

Fascia Switches

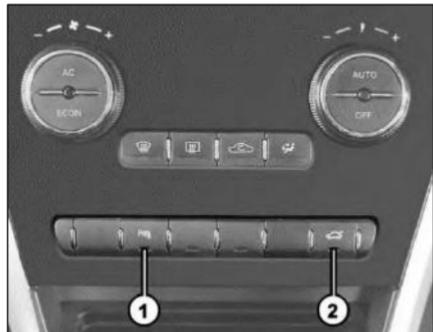
Fascia switches are provided on the center console below HVAC control panel.

Option I



1. Reverse Park Assist switch
2. Front fog lamp switch
3. Rear fog lamp switch
4. Door lock/Unlock
5. Tail gate opening

Option II



1. Reverse Park Assist switch
2. Tail gate opening

Reverse Park Assist (if equipped)

Reverse park assist system gets activated when you engage reverse gear with a simultaneous beep sound. The intensity of the beep keeps on increasing as your vehicle comes closer to the obstacle. Press the switch to mute the beep.

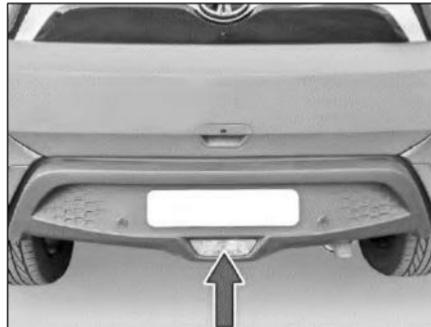


NOTE

Reverse park assist switch can be used to turn 'ON' the Rear View Camera (if equipped) even if vehicle is not in reverse gear.

Front Fog Lamps (if equipped)

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



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

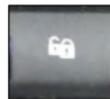
Rear Fog Lamps (If equipped)

Rear Fog Lamp is provided on rear bumper to provide improved visibility in adverse weather conditions to avoid accidents when visibility is poor. The rear fog lamp can be switched 'ON' with ignition and headlamp or front fog lamp is 'ON'.



Door Lock/unlock

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



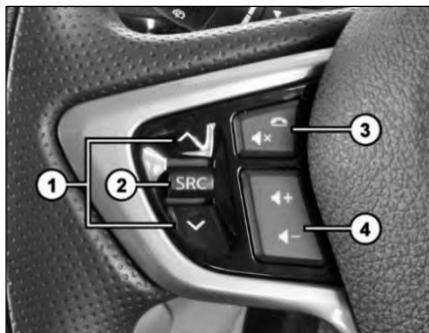
DASHBOARD AND FEATURES

Tail gate

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

Steering Wheel Switches (LHS)

(If equipped)



1. Seek forward / backward
2. To change radio channels.

2. **Source - SRC** Press to select the required source in the infotainment (USB, AUX, AM, FM).

3. Mute / phone reject

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



4. **Volume** - To increase and to decrease volume of music system / radio.

Steering Wheel Switches (RHS)

(If equipped)



Phone receive / PTT (Push to Talk)

This button is used to accept incoming call when a cell phone is connected via Bluetooth.

NOTE

For more information on steering wheel switches refer Infotainment manual.

Voice Recognition

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

NOTE

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

DASHBOARD AND FEATURES

Mic



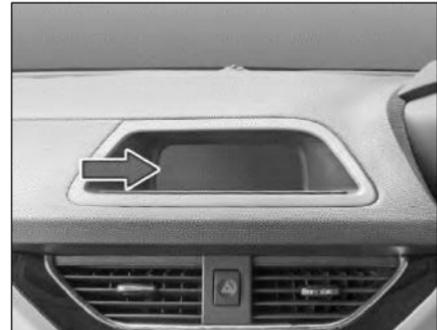
A mic is provided on roof interior above roof lamp.

Infotainment System Display

Option I



Option II



NOTE

For more information, refer info-tainment manual.

DASHBOARD AND FEATURES

Speakers (if equipped)

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



USB/AUX Port (if equipped)



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

Power Socket

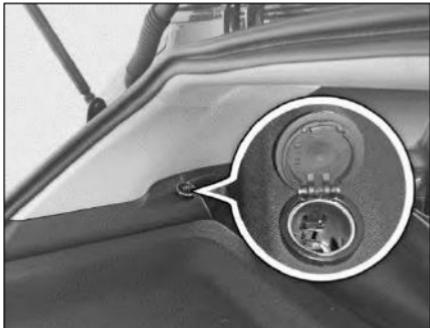
Two power socket are provided

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

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



On center console



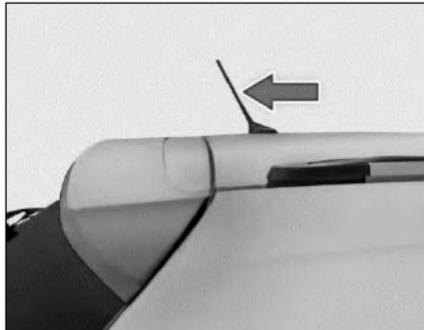
Behind rear seat on LH side

NOTE

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

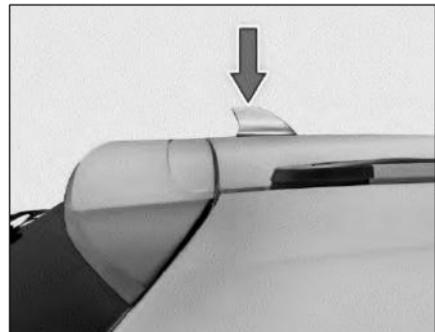
Antenna

Option I



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

Option II

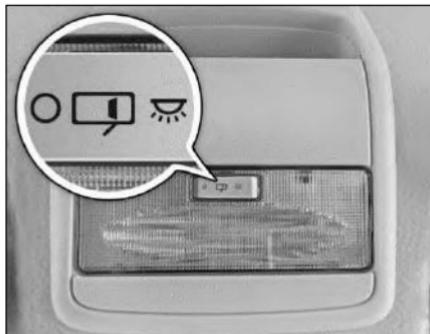


Shark FIN antenna is provided at the rear roof. It is used for FM and GPS operations.

DASHBOARD AND FEATURES

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 'ON' with dimming when either of the doors are opened. When the last door is closed, the lamp will turn 'OFF' with

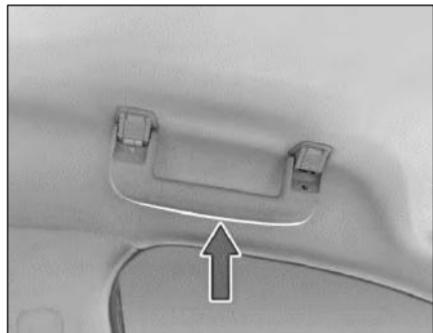


dimming. This helps settling in the seat and inserting the key in the ignition switch. When the key is turned to the 'IGN' position, the lamp goes 'OFF' immediately.

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



Roof Grab Handle



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

DASHBOARD AND FEATURES

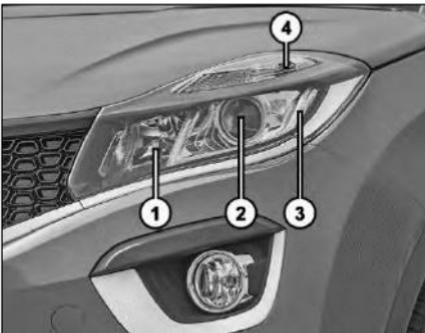
Boot Lamp (if equipped)



Boot lamp is provided in the rear luggage compartment to illuminate the luggage area.

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

Head Lamp



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

Lamp Condensation / Fogging Condition

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

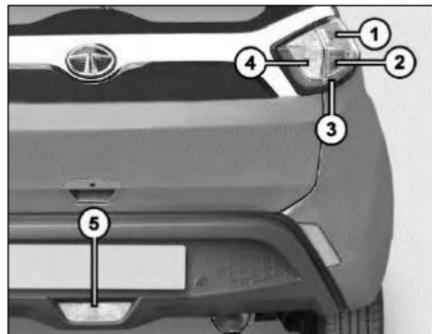
NOTE

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

DASHBOARD AND FEATURES

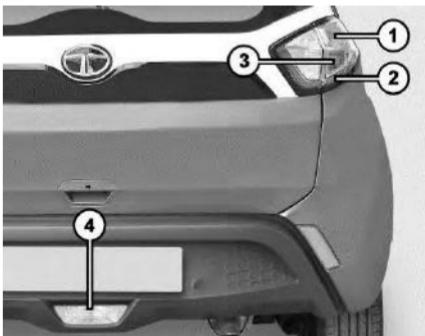
Tail Lamp

Option I



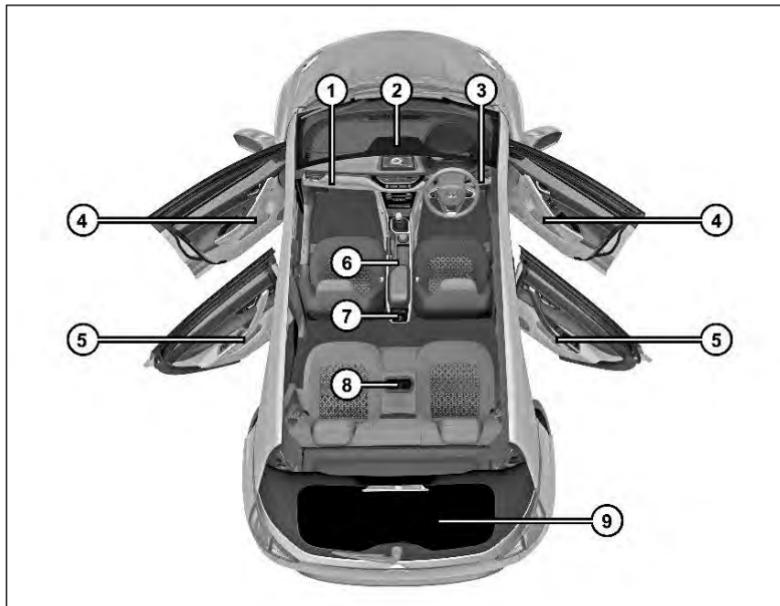
1. Turn indicator
2. Stop lamp
3. Parking / Position lamp
4. Reverse lamp
5. Rear Fog lamp

Option II



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

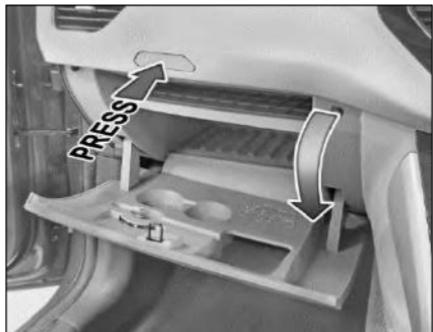
Storage Compartment



1. Chiller glow box
2. Wallet stowage(near roof lamp)
3. Driver side coin box
4. Utility pockets on front doors
5. Utility pockets on rear doors
6. Center console
7. Stowage for rear passenger
8. Foldable arm rest at rear
9. Tailgate Compartment

STOWAGE AREAS

i) Glove box



ii) Glove box illumination

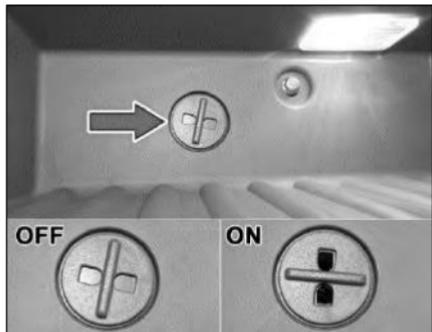
To open - Press the knob and open the glove box flap.

To close - Lift glove box flap until it engages.

iii) Stowage detail



iv) Cooling facility (If applicable)



Following items can be stowage in glove box.

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

NOTE

Make sure that glove box flap is closed while driving.

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.

STOWAGE AREAS

2) Wallet stowage



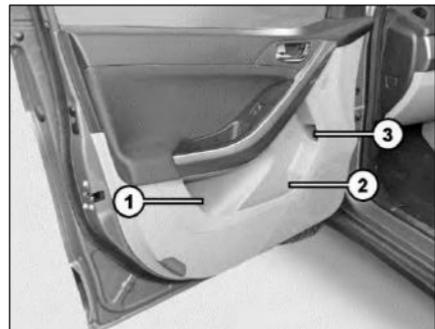
Place for keeping wallet is provided above the roof lamp.

3) Driver side coin box



Stowage for the coins is provided on RH side.

4) Utility pockets on front doors



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

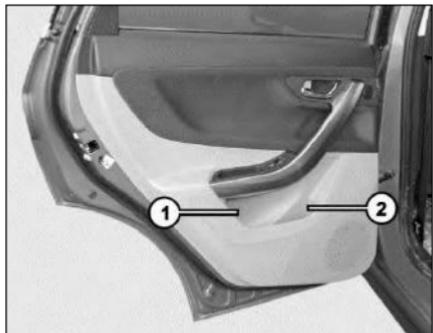
1. Water bottle
2. Magazine/ paper
3. Umbrella holder

NOTE

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

STOWAGE AREAS

5) Utility pockets on rear doors



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

1. Water bottles etc.
2. Magazines/books

6) Center console

Option I

Stowage below arm rest

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



Tambour door



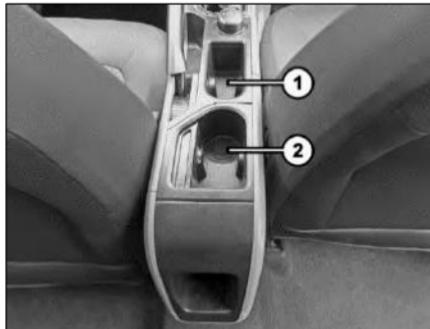
Tambour door is provided on center console. To access Tambour door, lift arm rest (1). Slide the shutter (2) to open and close the stowage area.

NOTE

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

STOWAGE AREAS

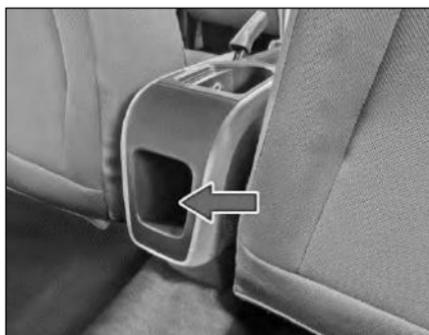
Option II



1. Coin box
2. Cup holder

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

7) Stowage for rear passenger (If applicable)



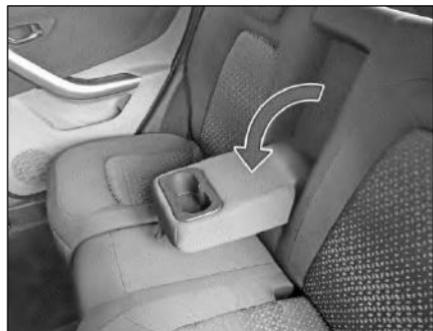
Stowage for Rear passenger is provided on rear side of floor console between the front passenger seats. It can be used to keep mobile charger and small items.

NOTE

Applicable for models where rear blower is not provided.

8) Foldable arm rest

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



NOTE

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

STOWAGE AREAS

9) Tailgate Compartment



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

WARNING

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

Rear seat folding (60:40 % Split)

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

To fold the seat:



- Pull the backrest release knobs upwards



STOWAGE AREAS

- Fold the backrest seat forward. Move the driver and co-driver seat forward if necessary.



- Follow the Same procedure for other rear seat.



- Pull the backrest release knobs upwards.



- Fold the backrest seat forwards. Move the driver and co-driver seat forward if necessary.

STOWAGE AREAS



NOTE

Ensure that 'foldable arm rest' is closed before seat folding.

Rear seat folding (Complete Seat 100%)

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

- Pull the backrest release knob provided on both side simultaneously.



- Fold the seat backrest forwards.



WARNING

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

WARNING

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

Luggage cover

Luggage cover is designed only for hiding the luggage compartment.

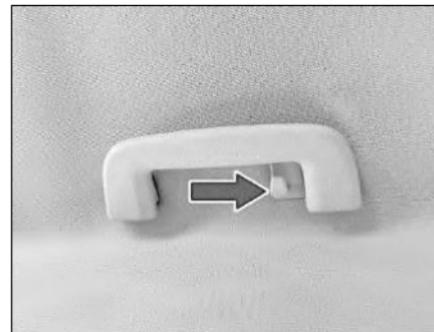
WARNING

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

HOOK

i) Coat Hanger

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



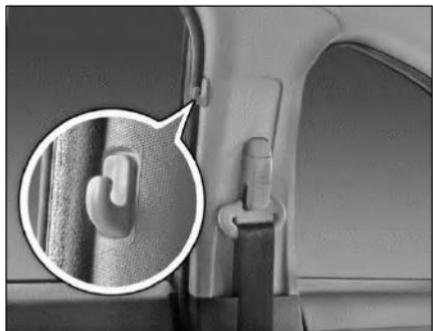
WARNING

The coat hook cannot restrain heavy objects or items of luggage. Never hang hard, sharp-edged or fragile objects on the coat hook.

STOWAGE AREAS

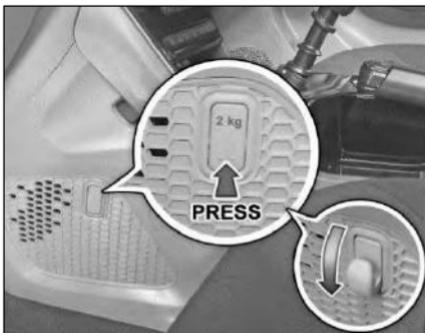
ii) Hook for Purse holder

Hooks for holding purse are provided on both B pillar.



iii) Collapsible hook

Collapsible hook is provided on RH side of co-driver for hanging carry bags etc. Load up to 2 kg is permissible.



iv) Hooks in luggage compartment

These hooks are provided on both sides in luggage compartment for hanging small carry bags carrying up to 3 kg weight only.



NOTE

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

CLIMATE CONTROL

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

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



CLIMATE CONTROL

Air vents

Air vents are provided on dashboard. Air flow and its direction can be adjusted with the help of knob provided on respective vent.



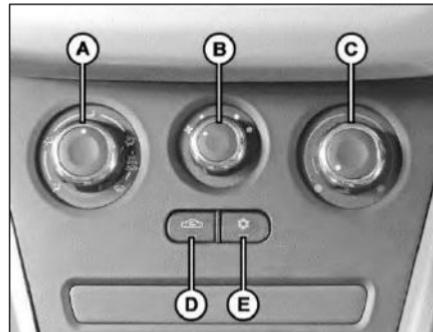
Rear blower (If applicable)

Rear blower unit is provided between two front seats. It can be switched 'ON' provided that front AC is switched 'ON'.

It can be switched 'ON/OFF' by rotating switch. The blower speed can be increased by rotating the knob towards 'HIGH'.



HVAC Controls



- A. Air Distribution Control
- B. Blower Speed Control
- C. Temperature Control
- D. Fresh / Recirculation air mode
- E. AC ON/OFF Switch

CLIMATE CONTROL

A. Air distribution control



This is to select the air distribution pattern as described in the table.

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

B. Blower Speed control



This is to turn 'ON' the blower and select desired blower speed.

C. Temperature control



The temperature control knob allows you to adjust the temperature. The temperature can be increased by rotating the knob towards the red segment (clockwise) and decreased by rotating it towards the blue segment (anti-clockwise).

CLIMATE CONTROL

D. Fresh / Recirculation air mode

Press the switch to activate / deactivate air recirculation mode.



Press to 'ON' or 'OFF'

Recirculation mode: (Indicator light 'ON')

Air in the passenger compartment recirculates. No fresh air enters the compartment.

Always use when:

- Driving on a dusty road or through tunnel.
- On signals or slow traffic to avoid traffic pollution.
- Maximum cooling is required.

Fresh Air mode: (Indicator light 'OFF')

Fresh air is drawn into the vehicle.

Always use when:

- Discomfort is felt or windows are fogging up.
- Using or air flow modes during demist / defrost.
- Using normal heating mode.

E. AC ON/OFF



Press the switch to activate / deactivate the AC. The indicator lamp in the button will light up when climate control is activated.

NOTE

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

When AC is switched 'ON', engine idling RPM increases marginally to adjust the AC compressor load.

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

NOTE

- Condensation may drip from the underside of the vehicle when it is in cooling mode. Traces of water on the ground are normal and are not a sign of leakage or malfunction.
- Ventilate the vehicle for a brief period during warm weather. This will speed up the cooling process and the desired vehicle interior temperature will be reached quickly.
- Never cover the air vents or air intake grilles in the vehicle interior.
- If the AC is not used for a long period, such as during winter, it may not give the best performance when you start using it again. Operate the AC at least once a month to maintain optimum performance.

- While starting the vehicle itself after long duration (more than 15 days), following procedure needs to be followed to meet AC performance.
 - Start the vehicle with AC & Blower in OFF condition in idling for 2~3 minutes.
 - Then switch ON the AC & Blower and run it for another 2~3 minutes in idling for proper circulation of refrigerant & oil to lubricate the internal parts of AC system.
- Rear blower will be effective after 5-10 min of front HVAC running (after cabin cooling)

CLIMATE CONTROL

Recommended basic settings of the control elements of air conditioning system for the respective operating modes. These may vary depending on individual requirements and weather conditions.

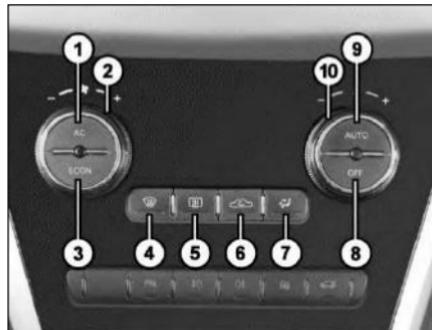
Functions	Control Knob Position			Button Position	
	A. Air Flow Direction	B. Blower Speed	C. Air Temperature	D. Fresh / Recirculation air mode	E. AC ON / OFF
Normal heating	 or 	2 nd or 3 rd dot	Desired temp.	Fresh air mode.	Switched OFF
Quick heating		To MAX speed and then 2 nd or 3 rd dot	To the extreme right up to the stop	Briefly switch ON to Fresh air mode then Recirculation	Switched OFF
Normal Cooling	 or 	1 st to 3 rd dot	Desired temperature	Recirculation mode	Switched ON
Quick Cooling	 or 	To MAX speed and then 2 nd or 3 rd dot	To the extreme left up to the stop	Recirculation mode	Switched ON
Demisting		2 nd or 3 rd dot	Desired temperature	Fresh air mode (Default)	Switched ON (Optional)
Defrosting		To MAX speed	Desired temperature	Fresh air mode (Default)	Switched ON (Optional)

CLIMATE CONTROL

General Description:

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

Fully Automatic Temperature Control (FATC)



1. AC compressor ON/OFF button
2. Blower speed control knob
3. Econ (economy mode) button

4. Maximum defrost button
5. Rear window demister button
6. Fresh air / recirculation button
7. Air distribution (mode) button
8. OFF mode
9. Auto ON selection button
10. Temperature control knob

Display unit



FATC display is shown on infotainment display screen.

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

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

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

1. AC ON / OFF Button:



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

CLIMATE CONTROL

2. Blower Speed Control Knob:



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

NOTE

- Speed 7 speed, where as anti-clockwise would reduce the speed up to 'SPEED 1'.
- 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 normal AC. The operation can be used during mild weather conditions for better fuel efficiency.

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.

5. Rear Window Demister Button:

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



6. 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 is brought in from outside of the vehicle (fresh mode). Whenever discomfort is felt, switch to fresh air mode.



CLIMATE CONTROL

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.

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.

7. Air Distribution (Mode) Button:

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



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

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

8. "OFF" button:



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

9. Auto ON selection button



To put the automatic climate control in fully automatic mode:

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

CLIMATE CONTROL

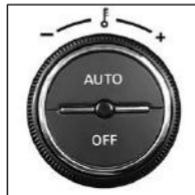
heated air that will, as quickly as possible, raise or lower the interior temperature to your preference.

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

Semi-automatic Operation

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

10. Temperature control knob:



Turning the temperature control knob clockwise increases the temperature of the air. The desired temperature will be increased by steps of 0.5°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 (-) or its upper limit (+), the system runs at full cooling or heating only. It doesn't regulate the interior temperature.

HVAC Sensors:

HVAC system is fitted with three sensors

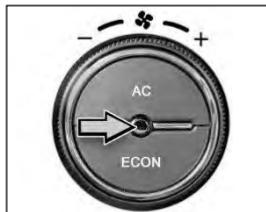
1. Solar sensor

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



2. In-Car sensor

In-car sensor on control panel.



3. Outside Ambient Temperature (OAT) sensor

It is 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.*

Quick Cooling

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

1. Start the engine.
2. 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.
3. Set the blower to maximum speed
4. Open windows half, set air direction towards face and fresh air mode.
5. 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.

CLIMATE CONTROL

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

Pre Driving Checks

Make sure that:

- Windshield, windows, mirrors, lights, and reflectors are clean and unobstructed.
- Tools 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, engine bonnet and tail gate are securely closed and latched.
- All of your passengers are properly restrained. All occupants travelling should always wear seat belts or suitable CRS as applicable.
- Objects, luggage or loads are secured properly against slipping or tipping.
- Rear seat is securely latched.
- Sufficient fuel for the trip.

Daily check:

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

NOTE

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

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

Adjust:

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

Weekly check:

- Engine oil level
- Coolant level
- Brake fluid level
- Windshield washer fluid level
- Battery electrolyte level
- Fuel level

NOTE

Tyre pressure to be measured at cold condition.

Check tyre pressure and condition after every 15days including spare wheel.

STARTING AND DRIVING

Driving Tips

Fuel consumption, engine, transmission, brake and tyre wear are mainly affected by below factors:

- Operating conditions of your vehicle
- Your personal driving style

Operating conditions:

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

Personal driving style

- Do not depress the accelerator pedal when starting the engine.
- Do not warm up the engine when the vehicle is stationary.
- Always adapt your driving style to suit the prevailing road, weather conditions, and maintain a safe distance from the vehicle in front. Drive carefully.
- Avoid frequent, sudden acceleration and braking.
- Select appropriate gear according to varying speeds and load conditions.

NOTE

Do not rest your foot on the clutch pedal while driving.

- Switch 'OFF' the engine in stationary traffic or at signals.
- Keep an eye on the vehicle's fuel consumption.

- Driving safety systems are merely aids designed to assist driving. You are responsible for the distance to the vehicle in front, for vehicle speed and anticipating braking in good time.

WARNING

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

STARTING AND DRIVING

Recommended fuel economy speeds

Gear	Speed (km/h)	
	Diesel	Petrol
1	20	20
2	30	30
3	45	45
4	65	65
5	80	80
6	100	100

Good driving practices

- Slow down before shifting to a lower gear. This will help avoiding revving of the engine causing damage.
- Avoid frequent brake application which can cause overheating of brakes.
- Slower the vehicle speed while travelling in cross winds. This gives much better control over the vehicle.

- Avoid high speed when cornering or turning.
- Depress the clutch fully while shifting gears.
- Make sure that vehicle is completely stationary before you attempt to shift in reverse gear.
- Drive slowly on wet roads.
- You can get extra braking from the engine by shifting to a lower gear. This can help you to maintain a safe speed and prevent your brakes from overheating specially while going down a hill.
- Keep the vehicle clean. Get rid of the not in use luggage/stuff lying in the boot etc.
- Regularly inspect your vehicle for any leakages, worn out wires by rat bites etc.
- Always follow periodic & regular service schedule of the vehicle.
- In places with high dust content (e.g.: Gurgaon, Jaisalmer etc.), do get the air filter cleaned every 5000 kms.
- Drive smart and smooth in an anticipatory manner. Select driving mode to suit your style.
- Do not accelerate excessively when you are in lower gears (1st or 2nd). Be gentle on the accelerator when you are in traffic. In lower gear, opening more throttle will shoot the engine RPM keeping the vehicle still at lower speeds which indirectly implies less distance with more fuel.
- Be in the maximum possible higher gear at a given speed. This reduces the engine operating speeds which

Tips for obtaining better fuel efficiency

- Always maintain the specified tyre pressure during fuel top-ups and also before a long trip. Vehicle running with low tyre pressure will consume more fuel than the one running with specified tyre pressure.

STARTING AND DRIVING

- means the engine is running at lower rpm (Revolutions per Minute) for the same vehicle speed. Lesser the number of engine revolution lesser the fuel burned.
- Avoid harsh braking.
 - Maintain healthy driving habits & while decelerating, do coasting in gear and not in neutral or with clutch pedal depressed.
 - Consider using the car AC when you really require. Consider using lower blower speeds rather than higher for cooling as at higher blower speeds it consumes more electric power which is ultimately drawn from engine by burning fuel.
 - Avoid unnecessary extra electrical loading on the car.
 - Stop the engine wisely at traffic signals. Switch 'OFF' the engine at the traffic signal only if the stoppage time is high (typically more than 30 sec).

- While driving on highways, drive with windows closed. The more you open the windows the higher will be the resistance to the vehicle at higher speeds which will reduce the fuel efficiency.
- Do not over speed; follow the speed limits. More the speed, higher the external resistance on the vehicle which will finally result into unnecessary consumption of fuel.

Running-in period

The more you look after the engine when it is new, the more satisfied you will be with its performance in the future.

Avoid rapid acceleration and prolonged high speed running of the engine for the first 1,500 – 1,800 kms.

Do not exceed the following road speeds during running in period.

Gear	Diesel	Petrol
	Speed(km/h)	Speed(km/h)
1	20	20
2	35	35
3	55	55
4	75	75
5	95	95
6	120	120

Avoid heavy loads, e.g. driving at full throttle, during this period. Change gears judiciously.

NOTE

Avoid excessive revving up of engine rpm. Do not keep engine at idling for long duration.

Seat Adjustments

Front seat adjustments

Following seat adjustments can be carried out manually.



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

WARNING

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

1. 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.

2. Seat height adjustment (If equipped)

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

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

3. Seat forward / rearward adjustment

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

NOTE

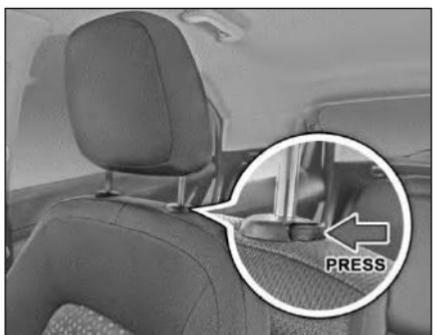
Adjust the driver seat position in such a way that the driver will be able to operate the control pedals conformably.

STARTING AND DRIVING

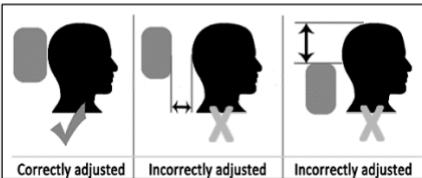
Adjustable head restraint

(If equipped)

Front seat



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



WARNING

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

Rear seats

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



Rear View Mirrors

Inside Rear View Mirror (IRVM)

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

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



NOTE

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

Outer Rear View Mirrors (ORVM)

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

NOTE

Objects visible in 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.

Auto folding

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

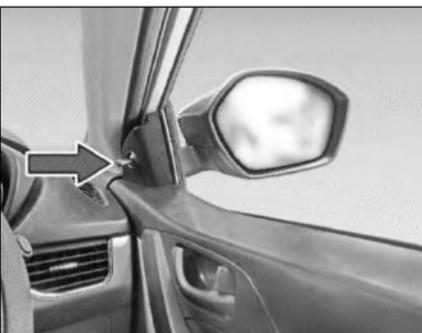
STARTING AND DRIVING

To adjust the mirrors:

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

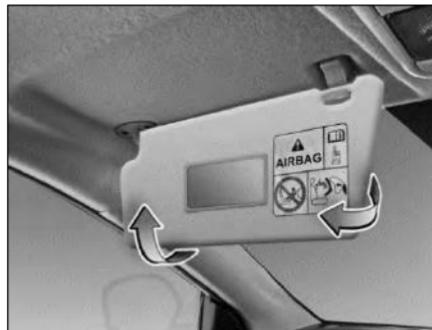


Rear view mirrors with joy stick knob (If equipped)



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

Sun Visors



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

To block the glare from side windows

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

Vanity mirror (If equipped)

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

Electrical Power Assisted Steering (EPAS)

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

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

This EPAS system is equipped with the following assist features

1. Speed sensitive assist control
2. Active return control

NOTE

The following symptoms may occur during normal vehicle operation:

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

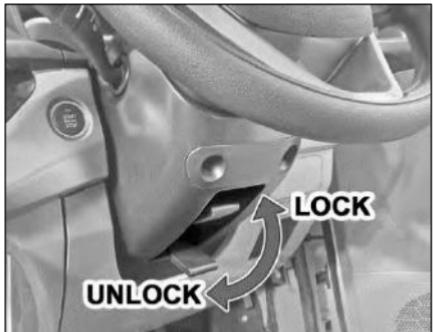
- *The steering wheel may not unlock normally in some cases when ignition key turned 'ON' or engine start/stop button pressed. If this happens, turn the steering wheel to the right or left slightly to unlock the steering wheel while turning the ignition key or pressing engine start/stop button*

WARNING

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

STARTING AND DRIVING

Steering wheel adjustment



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

The release lever is located under the steering column.

To adjust the steering wheel

1. Adjust the seat to a comfortable position.
2. Push release lever completely down to unlock the steering column.

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

NOTE

When adjusting the steering wheel, make sure that:

You can operate control pedals without any obstacles.

You can see all the displays in the instrument cluster clearly.

WARNING

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

Steering lock cum ignition switch (If applicable)



The ignition switch has the following four positions:

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

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

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

STARTING AND DRIVING

ACC - Accessories such as the infotainment system can be operated, but the engine 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 engine. As soon as the engine 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.

Starting and stopping (without PEPS)

Manual Transmission (MT)

Starting the Engine

Make sure that parking brake is engaged and vehicle is in neutral gear.

Depress the clutch pedal fully and crank the engine. Do not press the accelerator pedal when starting the engine.

NOTE

The Starter protection system fitted in this vehicle does not allow you to crank the engine until you fully depress the clutch pedal.



Release the key as soon as the engine starts. Repeat if engine does not start.

NOTE

The Starter protection system switches off the starter when it is continuously cranked for more than 10 secs. In such a case, get the key back to 'OFF' position & wait for 30 secs.

WARNING

The engine emits poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases leads to poisoning. There is a risk of fatal injury. Therefore, never leave the engine running in enclosed spaces without sufficient ventilation.

NOTE

After starting, run the engine in idle speed for at least 30 seconds. Do not press accelerated pedal while starting the engine to avoid damage to turbocharger.

STARTING AND DRIVING

Starting off

To start off, depress the clutch pedal fully and shift into 1st gear.

After releasing the parking brake, gradually release the clutch and slowly press the accelerator.

NOTE

When shifting or starting off, do not race the engine. Racing the engine can shorten engine life and affect smooth shifting.

Stopping the vehicle

Turn the key to 'ACC' position to switch off the engine. Before switching off the engine, run the engine in idle condition for at least 30 seconds and then switch off. This will allow the engine oil to lubricate the turbocharger, till its speed is fully reduced and also allow the unit to cool down.

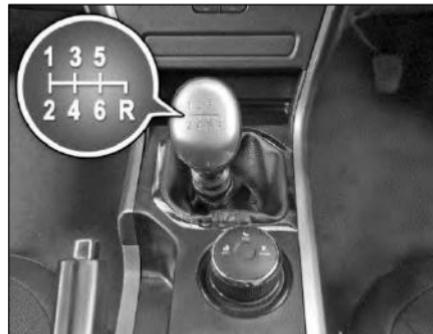
WARNING

A quick burst on the accelerator before turning off the engine serves absolutely no practical purpose, it wastes fuel and can damage turbocharger.

WARNING

Do not switch the engine off when it is running at high speed. This will lead to premature turbocharger bearing wear.

Gear Shifting and Driving



The gearshift pattern is as shown on the gear lever knob. Gear shifting should always be done with clutch pedal pressed

NOTE

- Gear recommendation is displayed when the clutch pedal is in fully released position.
- If "F" is displayed in DIS of instrument cluster, it means 'Fault' condition. Contact a TATA MOTORS Authorized Service Centre.

NOTE

- Depress the clutch fully when gear shifting. The reverse gear should be engaged only when the vehicle is stationary. Wait for 5 seconds after declutching to ensure smooth engagement of the reverse gear.
- Do not depress clutch pedal while driving the vehicle or when stationary on a slope.
- When vehicle is in ACC/IGN/RUN mode and user does any door state transition including tailgate and if PEPS does not detect smart key inside the vehicle when last door including tailgate is closed, then audio warning chime comes ON.

Reverse gear



WARNING

- Do not switch off the ignition while driving.
- If you switch off the ignition while driving, safety-relevant functions are only available with limitations, or not at all. This could affect the power steering and the brake boosting effect. You will require considerably more effort to steer and brake. There is a risk of an accident.

For engaging reverse gear, lift the latch and keeping latch lifted, shift to reverse position.

STARTING AND DRIVING

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.

Braking on downhill gradients

On long and steep gradients, you must reduce the load on the brakes by shifting early to a lower gear. This allows you to take advantage of the engine braking effect and helps avoid overheating and excessive wear of the brakes.

WARNING

- Do not shift to lower gear on a slippery road surface in an attempt to increase the engine's braking effect, the drive wheels could lose their grip.
- There is an increased danger of skidding and accidents.

Automated Manual Transmission (AMT) (if fitted)



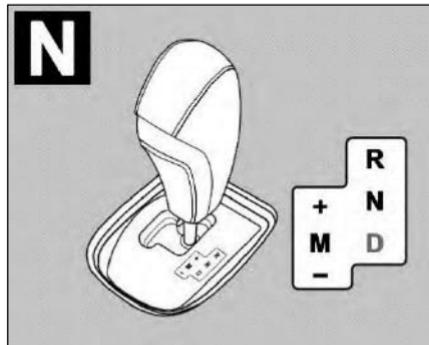
Gear Shift Lever

Transmission (AMT) Gearbox offers a choice of three driving modes:

1. Automated mode with the gear lever in position 'A'
2. Manual mode with the gear lever in position 'M'.

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.

Crank to start the engine with the brake pedal still pressed

Stopping

The vehicle can be stopped by depressing the brake pedal regardless of the gear position. This is because the clutch is automatically disengaged to prevent the engine from stalling.

If the gearshift lever is in the 'D' position, the gear will be downshifted to '1st' when the vehicle stops. Also, if the gearshift lever is in the 'M' position, the gear will be downshifted to '1st' when the vehicle stops.

NOTE

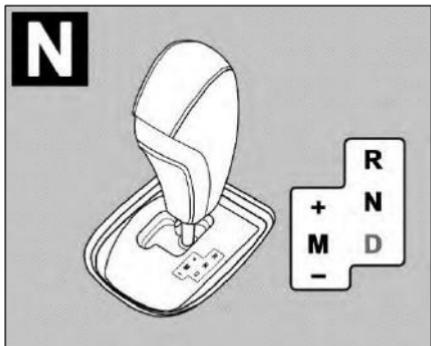
'DRIVE' mode will give optimum engine Torque and Power output. Drive the vehicle in '**'DRIVE'**' mode to get max fuel economy.

NOTE

Exhaust fan in the engine compartment will remain 'ON' for a short while after IGN is switched 'OFF'.

STARTING AND DRIVING

Driving Modes:

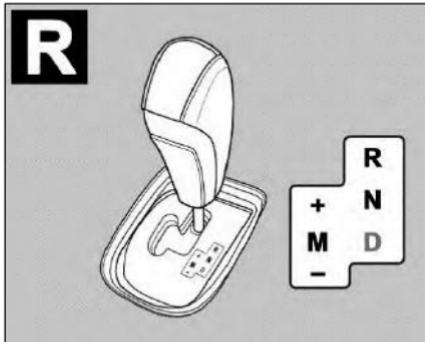


Vehicle is in neutral gear position. This will be indicated **N** on instrument cluster.

WARNING

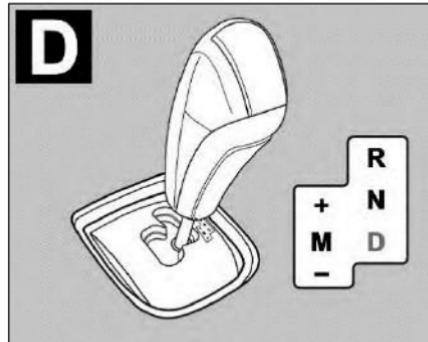
- Always make sure to keep the gear shift lever in the "N" position, when the engine is running and vehicle is stationary.
- Do not shift the lever in "N" position, even momentarily, when the vehicle is in motion.

Reverse:



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

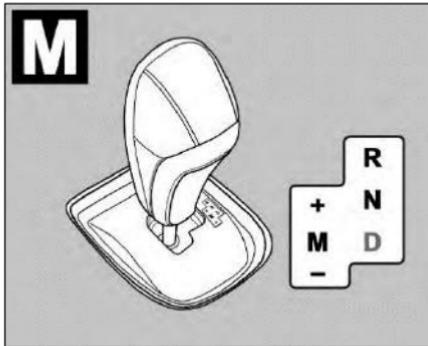
Drive Mode:



Drive mode will be engaged only when vehicle is stationary and brake pedal pressed. An audio signal indicates when Automatic gear is engaged. **D** will be indicated in instrument cluster
Gear Upshift and Downshift will be done automatically while driving.

STARTING AND DRIVING

Manual Mode:



Shift gear lever to left for engaging manual mode. An audio signal indicates when manual mode is engaged. **M** will be indicated in instrument cluster.

In manual mode, driver should select the desired gear by shifting lever to,

- + Upshift the gears.
- Downshift the gears.

Push the gearshift lever to the '+' direction and release it. Every time the lever is operated, upshifting takes place 1

step in the order of 1st → 2nd → 3rd → 4th → 5th → 6th gear.

Pull the gearshift lever to the '-' direction and release it. Every time the lever is operated, downshifting takes place in the order → 6th → 5th → 4th → 3rd → 2nd → 1st gear.

NOTE

Down shifting of gear occurs automatically while braking/engine rpm reduction.

In manual mode, gears are not shifted automatically unless the engine RPM threshold is reached.

AMT Instruction sticker:

Follow the instructions provided on the sticker before driving the vehicle.



Creeping feature

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

This functionality is generally used in parking maneuvers, with 1st or 'R' gear engaged, in this situations the driver enters and exits from creeping just by pressing the Acc. pedal.

STARTING AND DRIVING

NOTE

Creeping function will not operate when vehicle is in standstill condition on inclined surface.

- Creep feature is enabled for Manual as well as Auto Mode for first and reverse gear.
- After vehicle cranking and brake pedal released vehicle starts moving without pressing accelerator Pedal.
- Whenever accelerator pedal is pressed creep function will be disabled.
- Whenever driver door is opened and / or parking brake is engaged, creep function will be disabled.

Kick down feature

In Automatic mode, while driving at a constant speed if the accelerator pedal is quickly pressed the AMT downshifts the gear (if required). It ensures optimum acceleration to complete overtaking in minimal time.

Driving

- a. With the engine running and brake pedal pressed, depending on your requirement shift the lever on R, D or M. Check the position engaged on the Instrument Cluster display.
- b. Release the parking brake.
- c. Release the brake pedal and press the accelerator pedal gently.

NOTE

Use right foot only to operate brake or accelerator pedal.

Do not operate accelerator and brake pedal simultaneously.

Do not use your left leg to operate the pedals while driving AMT vehicle.

NOTE

If  displayed on the Instrument Cluster display, it means 'Fault condition. Contact a TATA MOTORS Authorized Service Centre immediately.

Parking

AMT does not have a parking position. The vehicle can be parked with the gearshift lever in any position.

1. Apply the parking brake firmly.
2. Depress the brake pedal and shift the gearshift lever to the 'R' position on a downhill slope, or to the drive 'D' mode or the 'M' position in the manual 'M' 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 A) can be done with ignition ON/engine running condition only.
3. Turn the key to 'ACC' position to switch off the engine. Before switching off the engine, run the engine in idle condition for at least 30 seconds and then switch off. This will allow the engine oil to lubricate the turbocharger, till its speed is fully reduced and also allow the unit to cool down.

WARNING

A quick burst on the accelerator before turning off the engine serves absolutely no practical purpose, it wastes fuel and is damaging especially to turbocharged engine.

WARNING

Do not switch the engine off when it is running at high speed. This will lead to premature turbocharger bearing wear.

Driving (MT)

Climbing Sharp Gradients on Loose Surfaces

Start off smoothly in a suitable gear. Accelerate smoothly so that there is no loss of traction by over-revving of the engine.

Choose as smooth a slope as possible and select the appropriate gear so that gear changing in the middle of the climb is not required.

Changing gears in the middle of the climb can cause loss of momentum and engine stalling. Shifting to lower gear has to be done cautiously to avoid loss of traction.

Under no conditions should the vehicle be moved diagonally across a hill. The danger is in loss of traction and sideways slippage, possibly resulting in toppling over. If unavoidable, choose as mild an angle as possible and keep the vehicle moving.

If the wheels start to slip within few feet of the end of the climb, motion can be maintained by swinging the steered

wheels left and right, thereby providing increased grip.

If the vehicle stalls or losses headway while climbing a steep hill, make a quick shift to reverse and allow the vehicle to move back with the control of engine compression.

Descending Sharp Gradients

Depending on the severity of the gradient, shift into appropriate gear. Use engine braking judiciously without over-revving the engine.

Brake application under such situations should be done very.

WARNING

When descending on sharp gradients, NEVER turn the ignition key to the 'OFF' position. Emission control system damage may result.

STARTING AND DRIVING

NOTE
<p>The engine can only be started when the gearshift lever is in "N" position with the brake pedal firmly pressed.</p>

Driving (AMT)

Climbing Sharp Gradients

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

Shift the gearshift lever to the "A" position while depressing the brake pedal. Make sure that the gear position indicator in the instrument cluster displays '1st' gear.

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.

WARNING
<p>Try not to hold the brake pedal down too long or too often while going down a steep or long hill. This could cause the brakes to overheat, resulting in reduced braking efficiency. Failure to take this precaution could result in loss of vehicle control.</p>

Descending Sharp Gradients

Depress the brake pedal and shift the gear shift lever to the 'A' position. Make sure that the gear position indicator in the instrumental cluster displays '1st' gear.

Release the brake pedal and depress the accelerator pedal slowly. Even if the accelerator pedal is not depressed, the clutch will be engaged when the vehicle speed increases.

WARNING
<p>When descending on sharp gradients, NEVER turn the ignition key to the 'OFF' position. Emission control system damage may result.</p>

Starting and stopping (PEPS)

Engine Passive Start/Stop



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

Start / Stop Switch

A Start Stop Switch (SSSW) or Push to Start Button is a main component of Passive (Engine) Start and Stop system. It is used to control ACC, IGN outputs as well as to start and stop the engine.

NOTE

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

Backup start:

If smart key battery voltage is low or empty and vehicle is in OFF mode then to start the engine user needs to press start/stop button two times with interval of 2.5 sec. between two switch press after pressing the clutch pedal (Non AMT)

OR brake pedal (AMT) with valid smart key near Immobilizer antenna (below head unit).

Emergency start:

If Vehicle Engine is switched from ON to OFF and Start Stop button is pressed with clutch press (Non AMT) OR with brake press (AMT) within 5 sec, Engine gets crank.

NOTE

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

• Single Press Start:

1. Bring the smart key with you and sit in the driver seat.
2. Press the clutch pedal and then press the start-stop switch.
3. Green colour LED on start-stop switch turn ON.

STARTING AND DRIVING

4. Once engine started successfully, green colour LED on start-stop switch remains ON.

- **Two Step Start:**

- a) **Step 1**

1. Bring the smart key with you and sit in the driver seat.
2. Press the start-stop switch without pressing clutch pedal.
3. Amber colour LED on start-stop switch turns ON.
4. Engine will remain OFF and all electrical equipment and infotainment system can be used. Steering is unlocked.

- b) **Step 2**

1. Press the clutch pedal and then press start-stop switch to start the engine.
2. Green colour LED on start-stop switch turn ON.
3. Once engine start successfully, green colour LED on start-stop switch will remain ON

- **Three Step Start:**

- a) **Step 1**

1. Pressing the smart key with you and sit in the driver seat.
2. Press the start-stop switch without pressing clutch pedal
3. Amber colour LED on start-stop switch turn ON
4. Limited display on instrument cluster will be ON and steering will be unlocked. Engine remain OFF.

- b) **Step 2**

1. Press the start-stop switch without pressing clutch pedal again
2. Green colour LED on start-stop switch turn ON
3. Engine will remain OFF and all electrical equipment and infotainment system can be used.

- c) **Step 3**

1. Press the clutch pedal and then press start-stop switch to start the engine.

2. Green colour LED on start-stop switch turn ON.

3. Once engine started successfully, green colour LED on start-stop switch will remain ON.

Option I

Passive Stop / OFF -Single Press Stop:

- IGN is ON and engine is running.
- Customer presses start-stop switch with or without clutch (MT) / brake (AT / AMT).
- ACC and IGN relay turns OFF.
- LED on start-stop switch turns OFF.

Option II

Emergency stop / OFF -Single Long Press Stop:

- IGN is ON and engine is running
- Vehicle is in running condition i.e. wheel rpm >10 RPM or wheel sensor faulty.
- Customer does long press of start-stop switch i.e. pressed for more than 3 seconds
- IGN relay turns OFF, ACC relay remains ON.
- Amber colour LED on start-stop switch turns ON.

WARNING

- When vehicle is in OFF mode (ACC, IGN and Crank OFF) and user tries to lock the vehicle from outside by pressing any door handle switch and if PEPS detect smart key left inside the vehicle, then audio warning / chime comes ON.

Manual Transmission (MT)

Starting the Engine

Make sure that parking brake is engaged and vehicle is in neutral gear.

Depress the clutch pedal fully and crank the engine. Do not press the accelerator pedal when starting the engine.

NOTE

The Starter protection system fitted in this vehicle does not allow you to crank the engine until you fully depress the clutch pedal.



Release the key as soon as the engine starts. Repeat if engine does not start.

NOTE

The Starter protection system switches off the starter when it is continuously cranked for more than 10 secs. In such a case, get the key back to 'OFF' position & wait for 30 secs.

WARNING

The engine emits poisonous exhaust gases such as carbon monoxide. Inhalation of these exhaust gases leads to poisoning. There is a risk of fatal injury. Therefore, never leave the engine running in enclosed spaces without sufficient ventilation.

NOTE

After starting, run the engine in idle speed for at least 30 seconds. Do not press accelerated pedal while starting the engine to avoid damage to turbocharger.

Starting off

To start off, depress the clutch pedal fully and shift into 1st gear.

After releasing the parking brake, gradually release the clutch and slowly press the accelerator.

STARTING AND DRIVING

NOTE

When shifting or starting off, do not race the engine. Racing the engine can shorten engine life and affect smooth shifting.

Stopping the vehicle

Turn the key to 'ACC' position to switch off the engine. Before switching off the engine, run the engine in idle condition for at least 30 seconds and then switch off. This will allow the engine oil to lubricate the turbocharger, till its speed is fully reduced and also allow the unit to cool down.

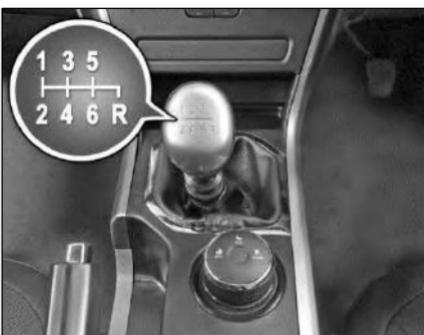
WARNING

A quick burst on the accelerator before turning off the engine serves absolutely no practical purpose, it wastes fuel and can damage turbocharger.

WARNING

Do not switch the engine off when it is running at high speed. This will lead to premature turbocharger bearing wear.

Gear Shifting



The gearshift pattern is as shown on the gear lever knob. Gear shifting should always be done with clutch pedal pressed.

NOTE

- Depress the clutch fully when gear shifting. The reverse gear should be engaged only when the vehicle is stationary. Wait for 5 seconds after declutching to ensure smooth engagement of the reverse gear.
- Do not depress clutch pedal while driving the vehicle or when stationary on a slope.
- When vehicle is in ACC/IGN/RUN mode and user does any door state transition including tailgate and if PEPS does not detect smart key inside the vehicle when last door including tailgate is closed, then audio warning chime comes ON.
- Gear recommendation is displayed when the clutch pedal is in fully released position.
- If "F" is displayed in DIS of instrument cluster, it means 'Fault' condition. Contact a TATA MOTORS Authorized Service Centre.

WARNING

- Do not switch off the ignition while driving.
- If you switch off the ignition while driving, safety-relevant functions are only available with limitations, or not at all. This could affect the power steering and the brake boosting effect. You will require considerably more effort to steer and brake. There is a risk of an accident.

Reverse gear



For engaging reverse gear, lift the latch and keeping latch lifted, shift to reverse position.

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

STARTING AND DRIVING

occur after the vehicle has been washed.

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

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

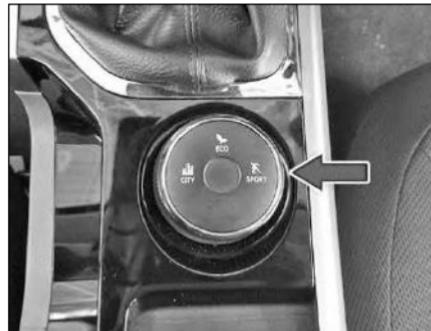
Braking on downhill gradients

On long and steep gradients, you must reduce the load on the brakes by shifting early to a lower gear. This allows you to take advantage of the engine braking effect and helps avoid overheating and excessive wear of the brakes.

WARNING

- Do not shift to lower gear on a slippery road surface in an attempt to increase the engine's braking effect, the drive wheels could lose their grip.
- There is an increased danger of skidding and accidents.

Drive Mode



'ECO', 'CITY' and 'SPORT' drive modes are provided. These modes can be used to adjust engine characteristics and vehicle performance in line with desired requirement.

Drive mode selection switch is provided on center console for activation

STARTING AND DRIVING

Drive Mode	Performance
CITY 	Increased engine Torque and Power output for BALANCED performance
ECO 	Optimum engine Torque and Power output for FUEL EFFICIENT performance
SPORT 	Produce more torque from engine.

Current gear indication

The Driver Information display (DIS) in the Instrument Cluster indicates the current gear position engaged. 

Gear recommendation

Up or down arrow will be displayed in DIS, recommending whenever gear should be shifted to up or down.



Parking Brake

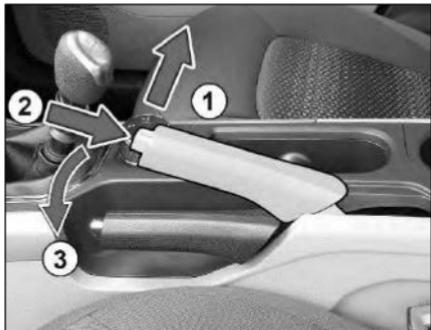
Mechanical parking brake acting on the rear wheels is provided on the vehicle.



Parking brake applied

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

STARTING AND DRIVING



Parking brake released

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

NOTE

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

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

Rear Camera (If equipped)



Rear view camera is located on tailgate and it allows users to view the rear objects.

3-color moving gridlines guides the user to understand the rear object distance exactly. The grid line updated in the motion of the vehicle and as well as with steering input.



Display screen

Reverse Park Assist with sensor (If equipped)

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

Option I



There are 4 ultrasonic sensors placed on the rear bumper of the vehicle. Once the system is activated, the sensors will detect the proximity of an obstacle from the bumper, and this information would be

displayed on the vehicles infotainment system.

WARNING

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

Option II



The system displays the Park assist screen when the reverse gear is engaged. The display is stopped when the reverse gear is disengaged.

Operation

The reverse park assist will automatically start functioning once you engage reverse gear. 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

- a. Park assists control failure
- b. Sensor Malfunction
- c. Partner components such as Infotainment music system, Instrument Cluster or Body Control Module failure.

STARTING AND DRIVING



Reverse park assist limitations

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

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

- If the object has a sharp edge surface, where surface may divert echoes from sensor reception.
- If object is mesh fence made up of thin wires, where echoes can't be given by the surface.
- Fast moving objects passes in the sensor field of detection, where echoes are not processed by the system.
- If object is made/covered by foam or sponge or snow where ultrasonic sound signals are absorbed.
- Objects close to the rear bumper can go undetected by the Reverse Park Assist field of detection. Driver should use extreme caution while parking the vehicle.

NOTE

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

Reverse park assist system preventive maintenance

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

WARNING

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

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.
- Block the wheel if parked 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 '1st' 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.

NOTE

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

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.

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

First aid kit

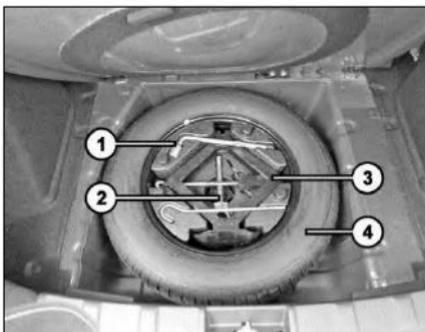
The first aid kit is kept inside the glove box compartment.

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

NOTE

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

Tool kit, tow hook, jack and spare wheel



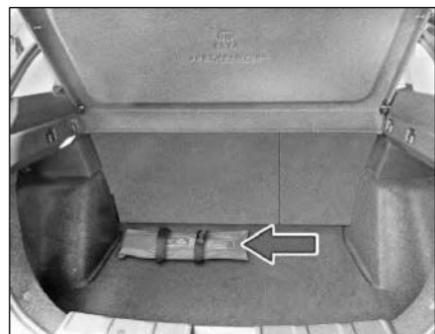
Tool kit, tow hook, jack and spare wheel are provided in Tray below rear floor.

1. Tool kit
2. Tow hook
3. Jack
4. Spare wheel

NOTE

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

Advance warning triangle



An advance warning triangle is kept in the luggage compartment.

Use advance warning triangle to warn the approaching traffic in case of vehicle break-down or during emergency, where

EMERGENCY AND BREAKDOWN ASSISTANCE



your vehicle could become a potential traffic hazard.

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

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

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

NOTE

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

Spare Wheel removal process

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



- Take out the tray.



EMERGENCY AND BREAKDOWN ASSISTANCE

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



Hazard Warning Switch



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

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

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

In Case of Flat Tyre

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

EMERGENCY AND BREAKDOWN ASSISTANCE

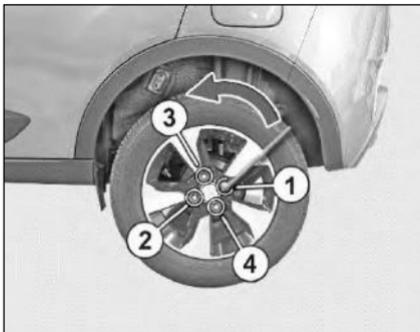
WARNING

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

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

Changing flat tyre

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



Wheel nut removal

NOTE

- The jack is designed only to raise and hold the vehicle for a short time while a wheel is being changed. It is not suited for performing maintenance work under the vehicle.
- Use the jack on level, hard ground. Avoid changing the wheel on uphill and downhill slopes. Apply wheel chokes if vehicle is parked on slope.
- 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 engine when the vehicle is supported by the jack and never allow passengers to remain in the vehicle.

EMERGENCY AND BREAKDOWN ASSISTANCE

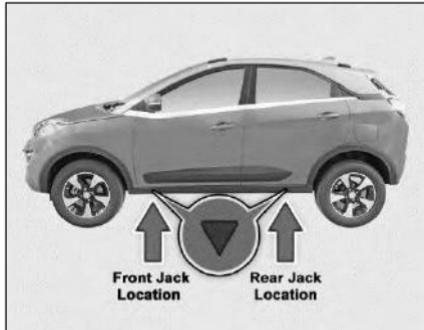
- Never open or close a door or the tailgate when the vehicle is raised.

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

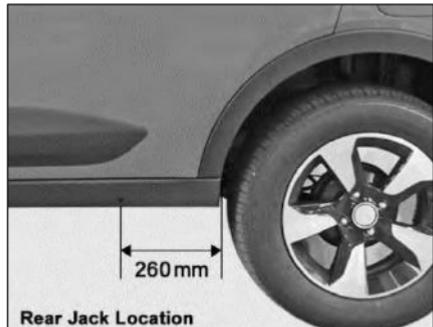
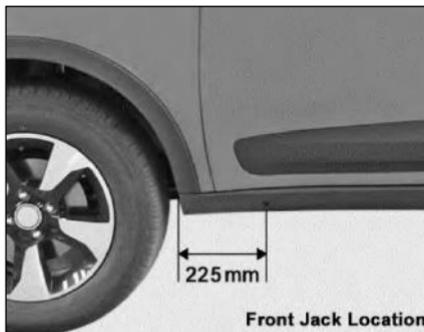
Position the jack vertically and raise it by turning the jack handle clockwise until the jack sits completely on jacking point and the base of the jack lies evenly on the ground.

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

Jacking point location on vehicle



Jacking point location



WARNING

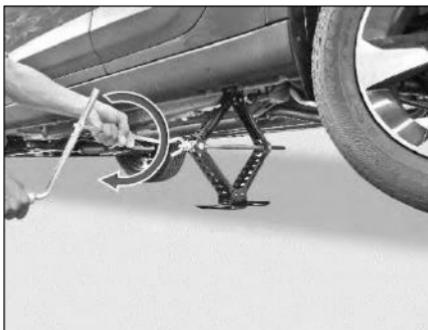
If you do not position the jack correctly at the appropriate jacking point of the vehicle, the jack could tip over with the vehicle raised. There is a risk of injury.

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

EMERGENCY AND BREAKDOWN ASSISTANCE



Jacking front wheel



Jacking rear wheel

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 fitted). Restore all the tools and jack at their respective location.

Place the flat tyre at spare wheel location.

NOTE

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

Get the flat tyre repaired at the earliest.

EMERGENCY AND BREAKDOWN ASSISTANCE

Jump Lead Starting

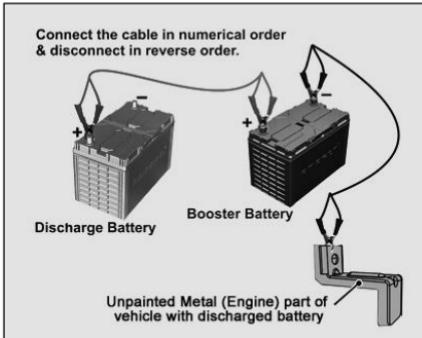
Use only a battery of same rating & capacity to jump start your vehicle. Position the booster battery close to your vehicle so that the jump leads will reach both batteries.

When using a battery of another vehicle, do not let the vehicles touch.

Apply the parking brake firmly and keep the gearshift lever in neutral.

Turn off all vehicle accessories, except those necessary for safety like hazard warning lamps.

Make jump lead connections as follows:



- Connect one end of the first jump lead to the positive (+) terminal of the discharged battery.
- Connect the other end to the positive (+) terminal of the booster battery.
- Connect one end of the second jump lead to the negative (-) terminal of the booster battery.
- Make the final connection (other end of the negative terminal) to an unpainted, heavy metal part (i.e. engine

mounting stud/nut) of the vehicle or discharged battery.

- Start the engine of the vehicle with the discharged battery.
- Before disconnecting the jumper cables, let the engine run for several minutes.
- If the booster battery you are using is fitted to another vehicle, start the engine of the vehicle with the booster battery. Run the engine at moderate speed.
- Remove the jump leads in the exact reverse order in which you connected them.

NOTE

Do not disconnect the discharged battery from the vehicle.

EMERGENCY AND BREAKDOWN ASSISTANCE

WARNING

Never connect the jump lead directly to the negative (-) terminal of the discharged battery. This may lead to an explosion.

WARNING

- Do not allow battery electrolyte to come in contact with eyes, skin, fabrics or painted surfaces. The fluid contains acid which can cause injury and severe damage. Wear protective apparel. Do not inhale any battery gases. Keep children away from batteries. In case if battery acid comes in contact with the skin, wash it off immediately with water and seek medical attention.
- During charging and jump-starting, explosive gases can escape from the battery. There is a risk of an explosion. Particularly avoid fire, open flames, creating sparks

and smoking. Ensure there is sufficient ventilation while charging and jump-starting. Do not lean over the battery.

- Make sure that the positive terminal of a connected battery does not come into contact with vehicle parts. Never place metal objects or tools on a battery.
- It is important that you observe the described order of the battery terminals when connecting and disconnecting a battery. If you are in doubt, seek assistance from qualified specialist workshop.
- Never connect or disconnect the battery terminals while the engine is running.

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

NOTE

Make sure that the parking brake is released; vehicle in neutral gear position and steering wheel is unlocked. The power steering functions only when engine is running. Hence, during towing the steering efforts will be more.

EMERGENCY AND BREAKDOWN ASSISTANCE

WARNING

- Never 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.
- 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 tow rope or tow bar at the towing eyes. Otherwise, the vehicle could be damaged.
- When towing, pull away slowly and smoothly. If the tractive power is too high, the vehicles could be damaged.

Tow hook fitment

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



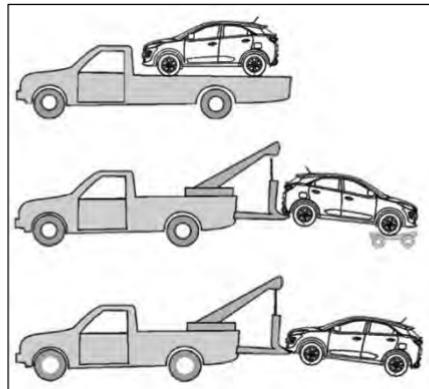
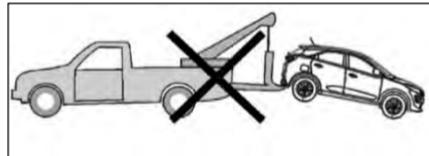
Recommended towing

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

WARNING

- Never tow your vehicle with the front wheels on the ground or four wheels on the ground (forward or backward), as this may cause serious damage to the transmission.
- 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.

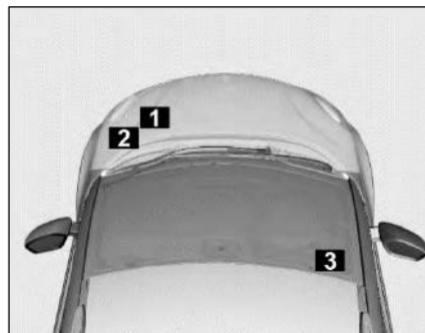
EMERGENCY AND BREAKDOWN ASSISTANCE



Fuses

Your vehicle has fuse boxes at three locations.

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



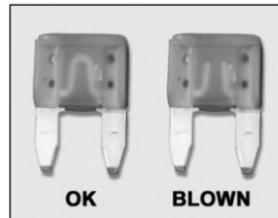
1. Battery Mounted Fuse Box.
2. Engine Compartment Fuse Box.
3. Cabin Compartment Fuse Box.

Checking and replacing fuses

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

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

- Apply parking brake
- Switch off all electrical accessories.
- Turn the ignition key to the 'LOCK' position.
- In the fuse box, identify the defective fuse from its melted wire.



- Remove the blown fuse by "fuse puller". The fuse puller and spare fuses are provided in the engine compartment fuse box.

EMERGENCY AND BREAKDOWN ASSISTANCE



Engine compartment fuse box

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

NOTE

Always ensure that the spare fuses are replenished.

- Ensure that all other fuses are pressed firmly in position.
- If a newly inserted fuse also blows, have the cause traced and rectified

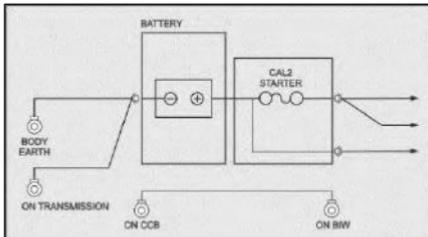
at nearest TATA MOTORS Authorized Service Centre immediately.

WARNING

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with higher amperage, the electric cables could be overloaded. This could result in a fire. There is a risk of an accident and injury.

Always replace faulty fuses with the specified new fuses having the correct amperage.

Battery mounted fuse box



EMERGENCY AND BREAKDOWN ASSISTANCE

Fuse No.	Function	Fuse Rating
PF1	STARTER MOTOR	CAL 1

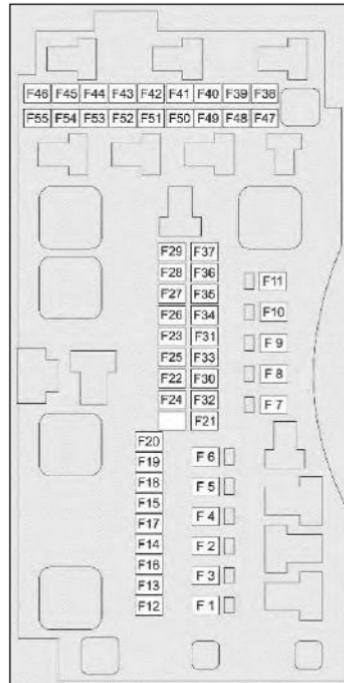
WARNING

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

**Engine compartment fuse box
(Diesel)**



**Fuses - Engine Compartment
(Diesel)**



NOTE

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

EMERGENCY AND BREAKDOWN ASSISTANCE

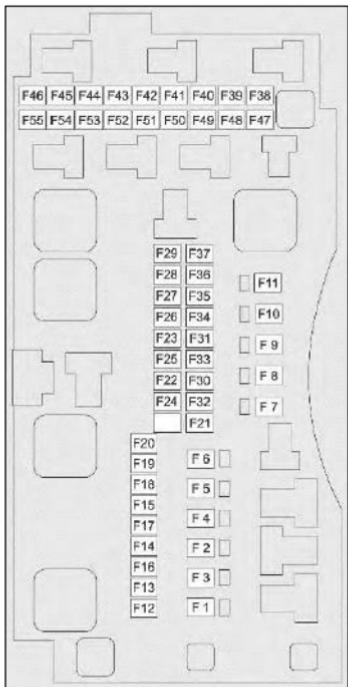
Fuse No.	Function	Fuse Rating
0	ALTERNATOR (DIESEL)	150A
1	SUPPLY TO CABIN FUSE BOX	60A
2	ABS ECU	40A
3	GLOW PLUG (DIESEL)	60A
4	COOLING / RADIATOR FAN	40A
5	STARTER MOTOR SOL RELAY CONTACT	30A
6	RADIATOR FAN SERIES RESISTIR (LOW)	25A
7	SUPPLY TO CABIN FUSE BOX-1	60A
8	HEAD LAMP SUPPLY	40A
9	TRANS. CONTROL UNIT (AMT)	30A
10	IGNITION LOAD	40A
11	EPAS	60A
12	COMPRESSOR	10A
13	MAIN RELAY	30A
14	ABS ECU	25A
15	TRANS. CONTROL UNIT (AMT)	10A

16	HORN HIGH / LOW TONE	15A
17	SPARE	-
18	EMS BATT / MAIN RELAY	5A
19	BRAKE SWITCH	10A
20	SPARE	-
21	FORNT WASH MOTOR (NON BCM)/ FRONT FOG LAMP	10A
22	STATER FEEDBACK	5A
23	SPARE	-
24	SPARE	-
25	H/L LOW	15A
26	SPARE	-
27	TRANS. CONTROL UNIT (AMT)	10A
28	ECU SENSOR	15A
29	SPARE	-
38	EMS ECU	15A
39	ECU RELAY CONTROL	5A
40	SPARE	-
41	REVERSE AND BRAKE LAMP	10A

42	ABC ECU	5A
43	FRONT WIPER MOTOR	20A
44	SPARE	-
45	REAR WIPER MOTOR	10A
46	HEAD LAMP HIGH BEAM	15A

EMERGENCY AND BREAKDOWN ASSISTANCE

Fuses - Engine Compartment (Petrol)



Fuse No.	Function	Fuse Rating
1	SUPPLY CABIN FUSE BOX- 1	60A
2	ABS ECU	40A
3	SPARE	-
4	COOLING FAN	40A
5	STARTER MOTOR SOL RELAY CONTACT	30A
6	SPARE	-
7	SUPPLY CABIN FUSE BOX- 2	60A
8	HEAD LAMP	40A
9	TRANS. CONTROL UNIT (AMT)	30A
10	IGNITION LOAD	40A
11	EPAS	60A
12	COMPRESSOR	10A
13	MAIN RELAY	30A
14	ABS ECU	25A
15	TRANS. CONTROL UNIT (AMT)	10A
16	HORN	15A
17	SPARE	-
18	MAIN RELAY	5A

19	BRAKE SWITCH	10A
20	FUEL PUMP	15A
21	FRONT WASH MOTOR (NON BCM)	10A
22	STARTER FEEDBACK	5A
23	SPARE	-
24	SPARE	-
25	HEAD LAMP LOW BEAM	15A
26	SPARE	-
27	TRANS. CONTROL UNIT (AMT)	10A
28	ECU SENSOR	15A
29	IGNITION DYL	15A
38	EMS ECU	15A
39	ECU RELAY CONTROL	5A
40	INJECTORS	15A
41	REVERSE AND BRAKE LAMP	10A
42	ABC ECU	5A
43	FRONT WIPER MOTOR	20A
44	SPARE	-
45	REAR WIPER MOTOR	10A
46	HEAD LAMP HIGH BEAM	15A

EMERGENCY AND BREAKDOWN ASSISTANCE

Cabin compartment fuse box

Cover removal procedure

Fuse box is located inside the cover below steering column. To access the fuse box, remove cover as per procedure given below.

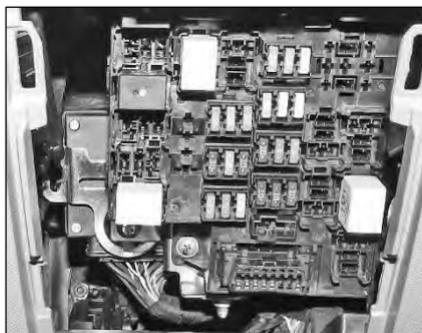
1. Fuse box cover is mounted on dash board with the help of lugs at the top and bottom of the cover from inside.



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

Re-fitment procedure

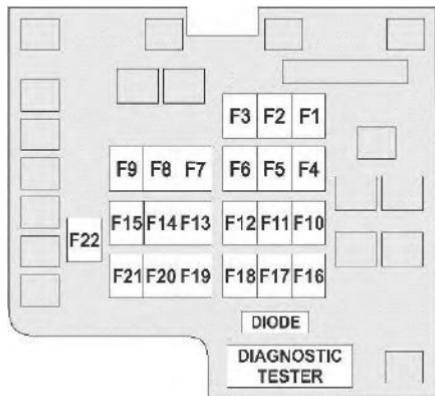
Align and engage the top and bottom mounting lugs with respective slots on dash board and press the cover firmly.



Cabin compartment fuse box

EMERGENCY AND BREAKDOWN ASSISTANCE

Fuses - Cabin Compartment



Fuse No.	Function	Fuse Rating
1	HL RLY CL / BCM	5A/20A
2	ACC BATTERY	15A
3	TRANSIT/INFO	15A
4	BCM	20A
5	BCM	20A
6	BLOWER	30A
7	INT LAMP/MIR ADJ MTR	5A/5A
8	POWER SKT FRT	15A
9	INFOTAINMENT/FLASHER	5A/15A
10	RESTRAINTS CONTROL MODULE	5A
11	IMMOBILIZER / EPAS/CLUSTER	5A
12	IGNITION	10A
13	IGN SW / PEPS/REALY COIL	10A
14	CDL	15A
15	CLUSTER/OBD	10A
16	TAILGATE REALESE MOTOR	10A
17	PARK LAMP LH / POSITION LAMP LH	5A
	REAR BLOWER	10A
18	HVAC	10A
19	HEATED REAR SCREEN	25A
	IGN-ACC	5A
20	IGN KEY-IN/PEPS	5A/5A

21	PARK LAMP RH/POSITION LAMP RH	5A
	POWER SKT RR	15A

EMERGENCY AND BREAKDOWN ASSISTANCE

Bulb Specification

Sr. No.	Description	Rating	Type	Qty.
1	HIGH BEAM + LOW BEAM	12V, 55W	H7	4
2	TURN SIGNAL FRONT	12V, 24W	PSY24W	2
3	TURN SIGNAL REAR	12V, 21W	PY21W	2
4	FOG LAMP FRONT (If applicable)	12V, 19W	H16	2
5	FOG LAMP RAER (If applicable)	12V, 21W	P21W	1
6	STOP LAMP	12V, 16W	W16W	2
7	POSITION LAMP FRONT	12V, 5W	W5W	2
8	POSITION LAMP REAR	LED	LED MODULE	2
9	REVERSE LAMP (Option I)	12V, 10W	R10W	2
10	REVERSE LAMP (Option II)	12V, 21W	P21W	1
11	REAR REGISTRATION PLATE LAMP	LED	LED MODULE	2
12	SIDE REPEATER LAMP- ON ORVM	LED	LED MODULE	2
13	ROOF LAMP	LED	LED MODULE	1
14	HIGH MOUNTED STOP LAMP	LED	LED MODULE	1
15	REAR BOOT LAMP	12V, 5W	W5W	1
16	GLOVE BOX LAMP	12V, 5W	W5W	1
17	DRL/Position (If applicable)	LED	LED MODULE	2

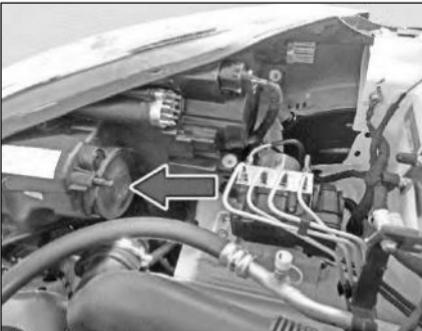
EMERGENCY AND BREAKDOWN ASSISTANCE

Head Lamp bulb Replacements

WARNING

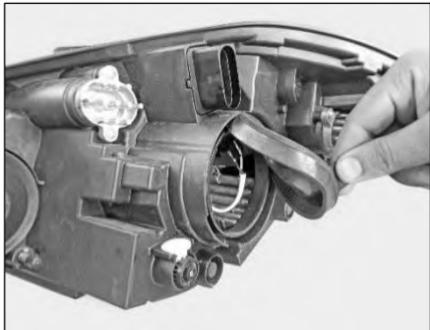
- The engine should not be running when changing bulbs.
- If the engine has been running just prior to replacing bulbs in the headlight housing, please keep in mind that components in the engine compartment will be hot.
- Your vehicle's headlamps have replaceable halogen bulbs. Headlamp bulbs can be replaced without even disturbing or removing the entire headlamp unit.

Open the bonnet to access the headlamps.



1. Replacing the low beam bulb

1. Lift the bonnet to access the bulbs.
2. Remove the dust cover press fit cover by simply pulling it off.



3. Press the pin and pull the connector from the bulb.

EMERGENCY AND BREAKDOWN ASSISTANCE



4. To free the headlamp bulb from the socket, press and swing the retaining spring and pull it straight back.



5. Pull out the bulb from the socket.



6. Insert the new bulb (without touching the glass) into the socket.
7. Move the retaining spring up and push it slightly until it locks properly.
8. Refit the connector into the bulb and press the dust cover on headlamp housing to fit it properly.

WARNING

- It is dangerous if a halogen bulb breaks. These bulbs contain pressurized gas and if broken, will explode causing serious injury by the flying glass.
- Halogen bulbs can break if the glass portion is touched with bare hands, body oil could cause the bulb to heat unevenly and explode when lit.
- Never touch the glass portion of the bulb with your bare hands and always wear eye protection when handling or working around halogen bulbs. Always keep halogen bulbs out of the reach of children.

EMERGENCY AND BREAKDOWN ASSISTANCE

2. Replacing the High beam bulb

Open the bonnet to access the headlamps.

1. Remove the dust cover on the backside of the headlamp.



2. Disconnect lamp connection.



3. Unlock high beam bulb holder clip, by pulling it backward.



4. Remove high beam bulb.



5. Refit high beam bulb by locking high beam bulb holder clip.
6. Connect the connectors of high beam and refit high beam lamp cover.

EMERGENCY AND BREAKDOWN ASSISTANCE

24 X 7 Road Assistance

Dear Customer,

It is our responsibility and our endeavour to ensure that you have our complete service backup if ever, wherever and whenever you need the same. When you have a road network that spans wide area, the probability of a breakdown happening within hauling distance of a TATA MOTORS Authorized Workshop is very low.

It is precisely for this reason, we have tied up with TVS AA, who will provide breakdown assistance including towing to the nearest TATA MOTORS Authorized Workshop through their Authorized Service Providers (ASP).

The 24X7 On Road Assistance Program shall be automatically available to your vehicle for the duration of Warranty period. The program shall also be available, if you avail the same post warranty.

Response Time ** for the On Road Assistance Program

Within City Limits	60 minutes
On State or National Highways	90 minutes
Ghat Roads and other places	120 minutes +/-

** (The response time will depend on the location, terrain, traffic density and the time of the day.)

Standard procedure when calling for On Road Assistance in case of a breakdown:

- Dial the toll free help line number – **1800 209 7979**
- Identify your vehicle with the Vehicle chassis number that is available in the Owner's Manual.

- Explain your exact location with landmarks and tell us about the problem you face with the vehicle.
- Park your vehicle on the edge of the road, open the bonnet and put on the hazard warning signal.
- Place the advance warning triangle supplied with the vehicle approx. 3 m from the vehicle in the direction of oncoming traffic.



EMERGENCY AND BREAKDOWN ASSISTANCE

Coverage under 24 X 7 on Road Assistance Program

I. The **24x7 On Road Assistance** Program Service covers the following services on your vehicle during warranty period.

- Wheel change through spare wheel.
- Arrangement of fuel. (Fuel cost will be chargeable at actual cost)
- Re-opening the vehicle in cases of key lock out.
- Rectification of electrical problems related to battery, fuses etc.
- On spot repairs for complaints repairable at site. ^
- Vehicle to vehicle towing or winching & towing for non-accident cases up to the nearest TATA MOTORS authorized workshop. Towing charges at actual cost beyond the same to be paid to the ASP in cash. (Any ferry or toll charges levied in relation to the vehicle being towed to be paid by the customers in actuals in cash).

For accident cases, towing charges to be borne by the customer.

II. The **24x7 On Road Assistance** Program coverage on availing the 24X7 policy, post warranty is upto maximum of 6 instance of assistance in one year for both the plans- Basic and Premium. In the premium plan, this includes 2 instances of towing upto the nearest TATA MOTORS authorised workshop.

Exclusions

24 X 7 On Road Assistance Program does not apply to

- Cost of parts consumables and labour for such repairs not covered under warranty*. These charges are to be settled with ASP in cash.
- Toll or ferry charges paid by ASP in reaching to the breakdown site to be settled with ASP in actuals in cash.
- Cases involving accident, fire, theft, vandalism, riots, lightening, earthquake, windstorm, hail, tsunami, unusual weather conditions, other acts of God, flood, etc.

quake, windstorm, hail, tsunami, unusual weather conditions, other acts of God, flood, etc.

- Vehicles that are unattended, un-registered, impounded or abandoned.
- Breakdown/defects caused by misuse, abuse, negligence, alterations or modifications made to the vehicle.
- Lack of maintenance as per the maintenance schedule as detailed in the owner's manual.
- Cases involving racing, rallies, vehicle testing or practice for such events.

Disclaimer

- The Service is not available in Lakshadweep.
- **The reach time is indicative & the actual reach time will be conveyed by the call centre at the time of breakdown call.
- The reach time can vary depending on the traffic density & time of the day.

EMERGENCY AND BREAKDOWN ASSISTANCE

- The reach time indicated does not account for delays due to but not limited to acts of God, laws, rules & regulations for time being in force, orders of statutory or Govt. authorities, industrial disputes, inclement weather, heavy down pour, floods, storms, natural calamities, road blocks due to accidents, general strife and law & order conditions viz. fire, arson, riots, strikes, terrorist attacks, war etc.
- ^ On spot repairs at breakdown site shall depend on nature of complaints & will be as per the discretion of the ASP.
- *The decision for free of charge repairs will be as per the warranty policy & procedures of TATA MOTORS LTD. and as per the interpretation of the same by ASP. You will be duly informed by the ASP & call centre for the change applicable if any.
- All charges wherever applicable need to be settled directly with the ASP.

Exclusion of Liabilities

- It is understood that TATA MOTORS shall be under no liability whatsoever in respect of any loss or damage arising directly or indirectly out of any delay in or non-delivery of, defect/deficiency in service/parts provided by ASP.
- In case vehicle cannot be repaired on-site, customers are advised to use the towing facility for taking their vehicle to the nearest TATA MOTORS authorized workshop only. In no condition will the vehicle be towed to any unauthorized workshop. TATA MOTORS will not be responsible for any repairs carried out in such unauthorized workshop.
- Customer are advised to take acknowledgment from the ASP for the list of accessories/extra fittings and other belongings in the vehicle as well as the current condition related to dents/scratches breakages of parts/fitments of the vehicle at the

time of ASP taking possession of the vehicle & to verify these items when delivery is taken back by them, Claim for loss of or damage to items, if any should be taken up with ASP directly. TATA MOTORS shall not be responsible for any such claims, damages/loss or any deficiency of service of the ASP.

- Vehicles will be handled, repaired & towed as per the customer's risk & TATA MOTORS shall not be liable for any damages / claims as a result of the same.
- Services entitled to the customers can be refused or cancelled on account of abusive behavior, fraudulent representation, malicious intent and refusal to pay the charges for any charges related services and spare parts during service or on previous occasion on part of the customer.

EMERGENCY AND BREAKDOWN ASSISTANCE

- On site repairs may be temporary in nature. The completion of repairs does not certify the road worthiness of the vehicle. The customer is advised to ensure temporary repairs carried out onsite is followed by permanent repairs at a TATA MOTORS Authorized Workshop at the earliest. Terms and conditions and service coverage, exclusions etc. are subject to change without notice.

MAINTENANCE

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 Centres 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.

- Engine oil level
- Engine coolant level
- Brake fluid level
- Washer fluid level checking & topping up
- Battery electrolyte level
- Tyre inflation pressure including spare wheel

NOTE

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

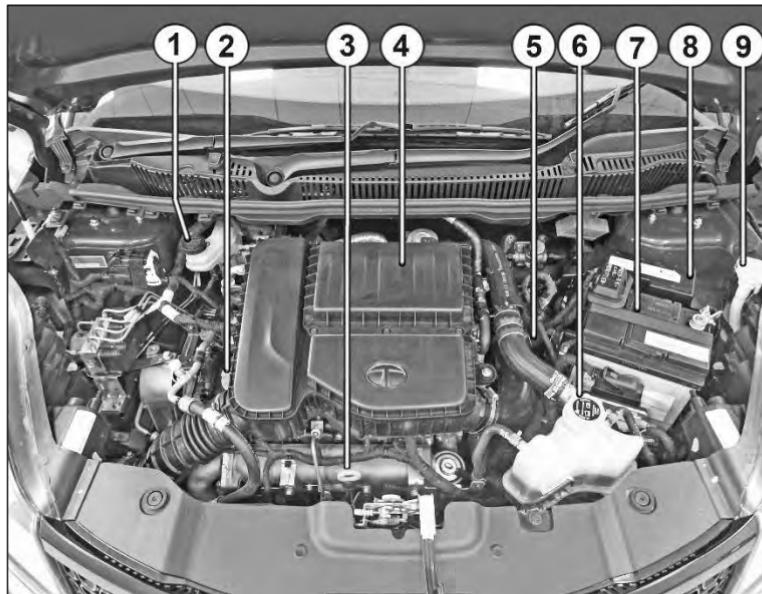
WARNING

- Be careful not to touch a hot engine, exhaust manifold and pipes, muffler, radiator and water hoses.
- Do not work on a vehicle with the engine running in an enclosed space, unless you are sure of enough ventilation.
- Keep all open flames and other burning material (such as cigarettes) away from the battery and all fuel related parts.

If you need to do any work inside the engine compartment,

- Switch off the ignition
- Never reach into the area where there is a risk of danger from moving components, such as the fan rotation area.
- Keep clothing away from moving parts.

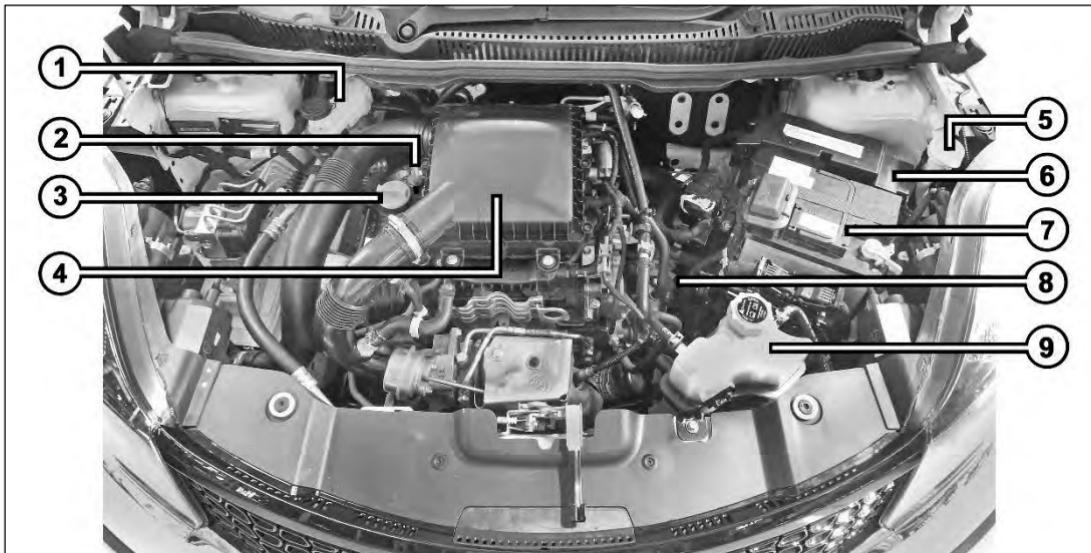
Engine Compartment - Diesel



1. Brake fluid reservoir
2. Engine oil filling cap
3. Dip stick engine oil
4. Air Filter
5. AMT oil reservoir (for AMT)
6. Coolant auxiliary tank
7. Battery
8. Fuse and relay Box
9. Windshield washer container

MAINTENANCE

Engine Compartment – Petrol



1. Brake fluid reservoir
4. Air Filter
7. Battery

2. Dip Stick – Engine Oil
5. Windshield washer container
8. AMT oil reservoir (for AMT)

3. Engine oil filling cap
6. Fuse & relay box
9. Coolant auxiliary tank

Engine Oil Level

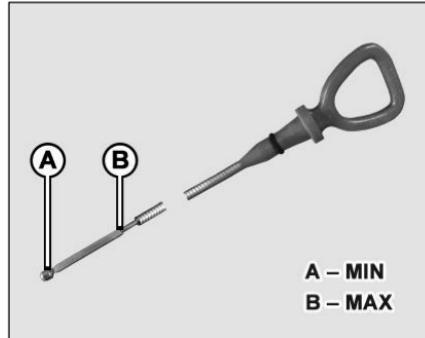
Warm up the engine to normal operating temperature.

Turn it 'OFF' and wait for 5 minutes for the oil to return to the oil pan. Be sure the vehicle is on a level surface.

Take out the dipstick, wipe it clean, and reinser it fully. Pull it out again and examine the oil level. It should be between 'MIN' and 'MAX' level. If not, top up with recommended engine oil.

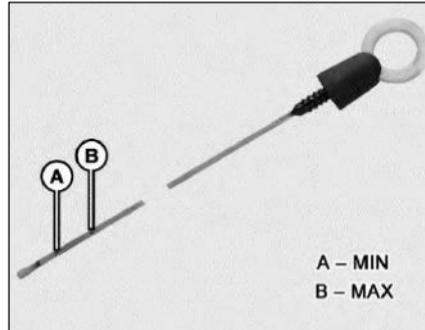
NOTE

The oil consumption depends upon the driving style and the conditions under which the vehicle is used.



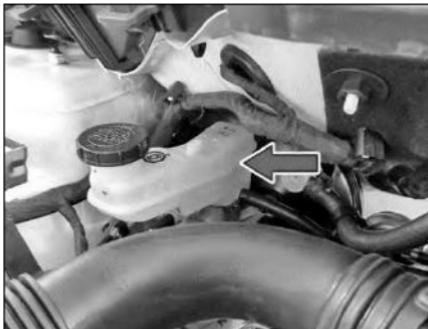
NOTE
Do not remove the filler cap when the engine is running.
Do not add oil above than the MAX. mark. Oil level above the MAX. mark may cause engine damage.

For location of Engine oil filling cap and dip stick, please refer respective Engine Compartment.



MAINTENANCE

Brake Fluid Level



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

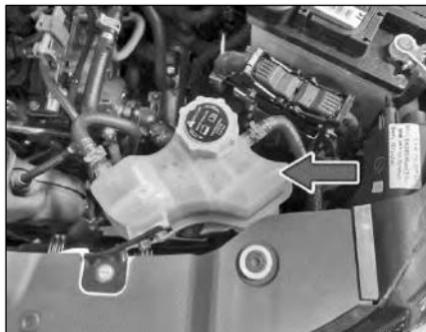
NOTE

Do not allow brake fluid to make contact with the skin or eyes.

Do not allow brake fluid to splash or spill on the paint surface as it will damage the paint. In case of spillage, wipe it off immediately.

For location of Brake Fluid Container and filling cap, please refer respective Engine Compartment.

Engine Coolant Level



Check whether the coolant level is between the 'MIN' and 'MAX' marks provided on the coolant reservoir.

When the coolant levels is low, top up with recommended coolant up to 'MAX' level.

NOTE

In case of emergency, a large amount of water without engine coolant may be added in order to reach a vehicle service location.

Whenever coolant has been added, the coolant level in the coolant reservoir should be checked the next few times you drive the vehicle to confirm correct level.

For location of Engine coolant container and filler cap, please refer respective Engine Compartment.

NOTE

Topping of the coolant should be done in the auxiliary tank only.

Make sure that only TATA MOTORS recommended coolant is used. Mixing of different coolants may harm your engine's cooling system and its components. Do not add extra inhibitors or additives to the coolant. These can be harmful and compromise the corrosion protection of the engine coolant.

WARNING

The engine cooling system is pressurized, particularly when the engine is warm. When opening the cap, you could be scalded by hot coolant spraying out. There is a risk of injury.

Let the engine cool down before opening the cap. Wear eye and hand protection when opening the cap. Open the cap slowly half a turn to allow pressure to escape.

Windshield Washer Fluid Level

Check that there is washer fluid in the tank. Refill it if necessary. Use a good quality windshield washer fluid, diluted with water as necessary.

NOTE

Do not use detergent or any other additive in the windshield washer reservoir. This can severely impair

visibility when sprayed on the wind-shield, and can also damage your vehicle's paint.

Do not operate washer motor with no fluid in washer tank, washer motor will be damaged

For location of Windshield Washer Container and filling cap, please refer respective Engine Compartment.

Battery

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

- Use a proper wrench to loosen and remove cables from the terminals.
- Always disconnect the negative (-ve) cable first and reconnect it last.
- Clean the battery terminals with a terminal cleaning tool or wire brush.
- Reconnect and tighten the cables, coat the terminals with petroleum jelly.
- Ensure that the battery is securely mounted.
- If you need to connect the battery to a charger, disconnect both cables to prevent damage to the vehicle's electrical system.

For location of battery, please refer respective Engine Compartment.

MAINTENANCE

NOTE

- During normal operation, the battery generates gas which is explosive in nature. A spark or open flame can cause the battery to explode causing very serious injuries.
- Keep all sparks, open flames and smoking materials away from the battery.
- The battery contains sulphuric acid (electrolyte) which is poisonous and highly corrosive in nature. Getting electrolyte in your eyes or on the skin can cause severe burns. Wear protective clothing and a face shield or have a skilled technician to do the battery maintenance.

Spark Plug (Petrol)



Spark Plug	Number	Gap
BOSCH	YR75NII3 3S/YR5M E0	0.7 to 0.8 mm

Tightening Torque - 18 - 25 Nm

NOTE

Use spark plug of recommended make & type for replacement.

Tyres



1	Under inflation	Excessive side tread wear
2	Correct tyre pressure	Uniform wear
3	Over inflation	Excessive center tread wear

Inflation

Check for inflation and condition of your vehicle tyres periodically.

Check the pressure in the tyres when they are cold.

Keeping the tyres properly inflated gives you the best combination of riding comfort, handling, tyre life and better fuel efficiency.

Over inflation of tyres makes the vehicle ride bumpy and harsh. Tyres are more prone to uneven wear and damage from road hazards.

Under inflated tyres reduce your comfort in vehicle handling and are prone to failures due to high temperature. They also cause uneven wear and more fuel consumption.

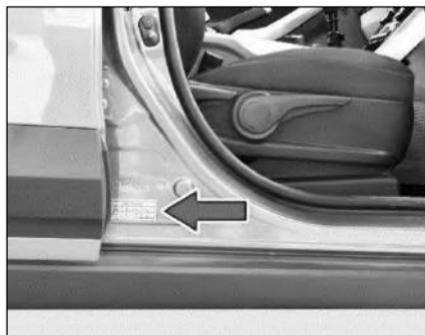
NOTE

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

Recommended tyre pressures

Tyre size	Front	Rear
215/60 R16	30 psi / 2.10 bar	30 psi / 2.10 bar
195/60 R16	32 psi / 2.20 bar	32 psi / 2.20 bar

Tyre pressure sticker location

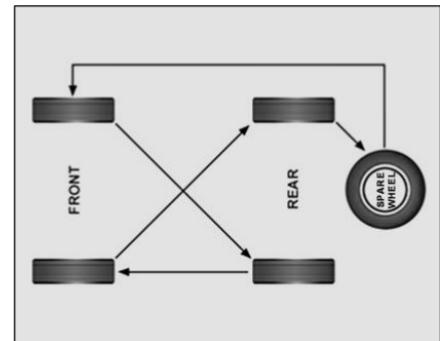


Tyre rotation

To help increase tyre life and distribute rotated at specified intervals or earlier depending on the operation of vehicle.

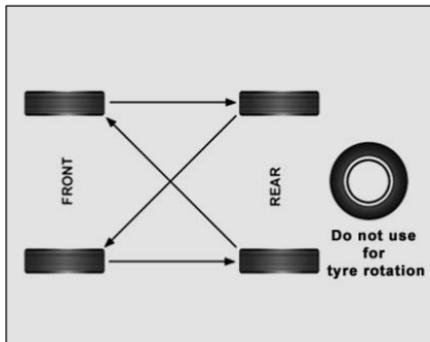
The illustrations shows how to rotate tyres when normal or temporary spare wheel is fitted.

For 195/60 R16 or 215/60 R 16 tyres



MAINTENANCE

For alloy wheel rims with spare wheel of steel wheel rim (if equipped)



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	$4.4^\circ \pm 45'$	-
Camber	$-26' \pm 26'$	$-52' \pm 30'$
Toe in	$10' \pm 5'$	$-3' \text{ to } +27'$
Toe Out	-	-
Camber angle deviation (Between LH & RH)	20'	20'

Wheel Balancing

Wheels of your vehicle are balanced for better ride comfort and longer tyre life. Balancing needs to be done whenever tyre is removed from rim.

WARNING

If the vehicle vibrates abnormally on a smooth road, have the wheel balanced done immediately.

Special care for tubeless tyres:

- While removing tyre from wheel rim and mounting it back on wheel rim, take precautions not to damage tyre bead. Use tyre removal and assembly machines. Damage or cut on tyre bead may cause gradual loss of air and deflation of tyre.
- Do not scratch inside of tubeless tyre with metallic or sharp object. Tubeless tyres are coated with impermeable layer of rubber from inside which holds the air inside the tyre. Removal of this layer due to scratching may cause gradual loss of air and deflation.

- If wheel rim gets damaged in service, get the wheel rim repaired/ replaced immediately. Running the vehicle with damaged rim may cause deflation of tyre and subsequent dislodging of tyre from rim.
- Maintain recommended inflation pressure. Over-inflation, in particular, may cause puncture or bursting of tyre.

NOTE

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

Remote Key Battery Replacement

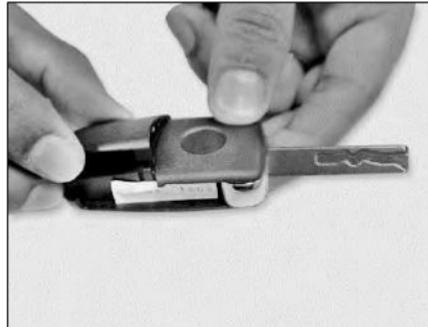
(For Flip key)

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

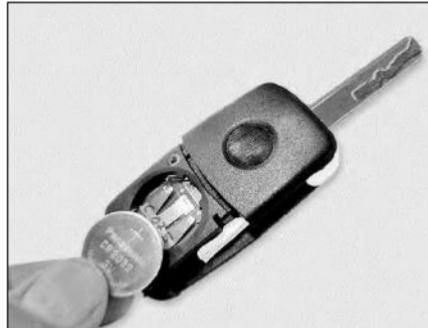
If red LED on remote flashes for 5 times after operating any button on remote. It is recommended to replace battery at a TATA MOTORS Authorised Service Centre.

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 screwdriver at the points of the arrows.
3. Remove the discharged battery from the key by pressing the battery downwards at the point of the arrow.



4. Insert the new battery.



MAINTENANCE

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

NOTE

Use CR 2032 battery only.

NOTE

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

Smart Key Battery Replacement

(For PEPS variant)

Procedure:

1. Remove emergency key from smart key.



2. Move back/unlock key release button.



3. Battery cover snap is visible. For opening to battery cover, push back this snap with the help of suitable tool.



4. Open battery cover once unlocked.



5. Replace with new battery in the smart key battery slot. Check polarity.
6. Close rear side of smart key with its cover.
7. Ensure that the smart key cover is intact properly.

NOTE

Use CR 2032 battery only.

NOTE

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

MAINTENANCE

On Board Diagnostic (OBD II) System

On board Diagnostics or OBD, is an automotive term referring to a vehicle's self-diagnostic and reporting capability. The OBD system allows continuous diagnosis of the components of the vehicle correlated with emissions. This system warns the driver, by turning "ON" the Malfunction Indication lamp (MIL) on the instrument cluster, when a fault causes emission levels to increase.

The OBD system also has a diagnostic connector that can be interfaced with appropriate diagnostic tools, which makes it possible to read the fault codes stored in the Electronic Control Unit, together with a series of specific parameters for Engine operation and Diagnosis. This check can also be carried out by the traffic police.

To access the diagnostic connector, open the fuse box cover, which is located

on RH side below the steering wheel. Refer 'Emergency and Breakdown Assistance' section for removal of cover.



Service Instructions

The **TATA NEXON** has been manufactured to give you economical and trouble free performance. To achieve this, please follow the instructions as stated.

Your vehicle is entitled to three free services (labour only). The free service coupons are attached to the sales invoice. Please present these coupons to the servicing dealer while availing free services.

1st free service - At 1000-2000 kms. OR 2 months, whichever is earlier.

2nd free service - At 7000-8000 kms. OR 6 months, whichever is earlier.

3rd free service - At 14500-15500 kms. OR 12 months, whichever is earlier.

All services other than free services are chargeable.

Servicing of the vehicle can be done at any TATA MOTORS Authorised 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).

MAINTENANCE

Service Schedule

S.N	Operation	Kms	PDI	1.5K	7.5K	15K	22.5K	30K	37.5K	45K	52.5K	60K	67.5K	75K	82.5K	90K	97.5K	105K	112.5K	120K	127.5K	135K	142.5K	150K
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	General																							
1	Wash the vehicle & Clean Condenser Fins	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2	Check & Top up Fluids (If required): Transaxle Oil, Coolant, Brake Fluid, Battery Electrolyte, Wind Screen washer fluid.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3	Check Fuel Lines for Leakages.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	Check and Capture all DTC's Clear all faults and Erase the Codes.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	Check Rubber Boots, Rubber seat, Dust cover & Bushes for damage & replace if required (Suspension) (First at 15K/12M then at every service)	7.5K / 6M				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	Check & Replace if found damaged - -Exhaust hanger, Suspension bushes	30K/24 M						•				•			•				•					•

- Kms or Months whichever occurs earlier

MAINTENANCE

Sr. No.	Operation	Kms	PDI	0	1.5K	6	12	18	24	30K	36	42	48	60K	67.5K	75K	82.5K	90K	97.5K	105K	112.5K	120K	127.5K	135K	142.5K	150K
		Months		0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	
7	Check All door latch & striker operations , Adjust If required	15K/12M				•			•		•		•		•		•		•		•		•		•	
8	Check for all bolts & nuts (Tighten)	7.5K / 6M			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Engine (Diesel)																									
1	Clean air filter element (more frequently for vehicle operating in severe condition)	15K / 12M				•			•		•		•		•		•		•		•		•		•	
2	Change engine oil and Oil filter	15K / 12M				•			•		•		•		•		•		•		•		•		•	
3	Drain water from Fuel Filter Bowl	15K / 12M				•			•		•		•		•		•		•		•		•		•	
4	Replace fuel filter assembly replaced based on lamp status/24M	# 24M																								
5	Check AC & alternator belt condition visually, replace if found damage	# 15K / 12M				•			•		•		•		•		•		•		•		•		•	
6	Check timing belt visual condition, replace if found damage	# 105K / 24M																								
7	Replace air filter element (more frequently for vehicle operating in severe condition)	45K / 36M									•															

- Kms or Months whichever occurs earlier

MAINTENANCE

Sr. No.	Operation	Kms	PDI	1.5K	7.5K	15K	22.5K	30K	37.5K	45K	52.5K	60K	67.5K	75K	82.5K	90K	97.5K	105K	112.5K	120K	127.5K	135K	142.5K	150K
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
8	Change coolant	# 60K / 36M										•								•				
9	Replace timing drive kit (Timing belt, Auto tensioner and Idler)	# 150K / 36M																						•
Engine (Petrol)																								
1	Clean air filter element (more frequently for vehicle operating in severe condition)	15K / 12M			•		•	•		•		•		•		•	•	•	•	•	•	•	•	•
2	Change engine oil and Oil filter	15K / 12M			•		•	•		•		•		•		•	•	•	•	•	•	•	•	•
3	Gasoline - Replace Fuel Filter	75K / 60M												•										•
4	Change Spark plugs	30K / 24M					•			•						•			•					•
5	Check accessory belt condition visually, replace if found damage	15K / 12M			•		•		•		•		•		•		•		•		•			•
6	Replace air filter element (more frequently for vehicle operating in severe condition)	45K / 36M								•						•								•

- Kms or Months whichever occurs earlier

MAINTENANCE

Sr. No.	Operation	Kms	PDI	1.5K	7.5K	15K	22.5K	30K	37.5K	45K	52.5K	60K	67.5K	75K	82.5K	90K	97.5K	105K	112.5K	120K	127.5K	135K	142.5K	150K	
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	
7	Change coolant	# 60K / 36M									•								•						
	Transaxle																								
1	Check oil level and top up if necessary	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 handbrake setting	15K / 12M				•		•		•		•		•		•		•		•		•		•	
	Wheels & Tyres																								
1	Check & Adjust Wheel alignment	# 15K / 18M				•		•		•		•		•		•		•		•		•		•	
2	Check for Tyre pressure, condition & rotate	# 7.5K / 12M			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

- Kms or Months whichever occurs earlier

MAINTENANCE

Sr. No.	Operation	Kms	PDI	1.5K	7.5K	15K	22.5K	30K	37.5K	45K	52.5K	60K	67.5K	75K	82.5K	90K	97.5K	105K	112.5K	120K	127.5K	135K	142.5K	150K
		Months	0	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	Electrical																							
1	Check specific gravity of battery electrolyte	7.5K/6M				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2	Check headlamp focussing	15K / 12M					•		•		•		•		•		•		•		•		•	
	A.C. System																							
1	Clean filter and check Air-conditioning / HVAC system for satisfactory performance	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	AMT kit oil (Petrol & Diesel)																							
1	Check AMT Kit oil level, it should be in between min. & Max. level when the vehicle is in standstill and ignition ON condition. Top up AMT kit oil if necessary.	Every Service	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

- Kms or Months whichever occurs earlier

Vehicle Parking for Long Duration (Non - Use Maintenance)

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

1. Park the vehicle in covered, dry and if possible well-ventilated premises. Engage a gear.
2. Remove the battery terminal cables (first remove the cable from the negative terminal). Ensure that battery is fully charged.
3. Block the wheel or engage in the gear mode.
4. Clean and protect the painted parts using protective wax.
5. Clean and protect the shiny metal parts using commercially available special compounds.
6. Sprinkle talcum powder on the rubber windscreen wiper and lift them off the glass.
7. Slightly open the windows.
8. Cover the vehicle with a cloth or perforated plastic sheet. Do not use sheets of imperforated plastic as they do not allow moisture on the vehicle body to evaporate.
9. Inflate the tyres to 0.5 bar above the normal specified pressure and check it at regular intervals.
10. Check the battery charge every six weeks.
11. Do not drain the engine cooling system.

TECHNICAL INFORMATION

Fuel Specification

Fuel (Diesel)

Normal grade BS IV compliant diesel conforming to IS1460 or EN 590 or equivalent is recommended to be used as fuel.

Do not use premium diesel available in the market for example extra premium / Turbojet etc.

Recommended fuel specifications

Parameter	Unit	BS IV
Cetane Number (min)	CN	51
Sulphur content	mg/kg	50
Lubricity (HFRR)	micron	460

NOTE

Where oxidation catalytic converter is fitted, it is mandatory to use Diesel fuel with sulphur contents as given above. Use of any other diesel fuel can increase the pollutants.

At very low temperature, fluidity of diesel may become insufficient due to paraffin separation. It is therefore necessary to mix supplementary fuel with summer or winter grade diesel.

The supplementary fuel to be used like kerosene. Ratio for mixing of supplementary fuel and diesel are shown in the table.

Ambient Temperature up to Deg C.	Percentage	
	Summer grade diesel	Supplementary fuel
Up to 0	100	0
0 to -10	70	30
-10 to -15	50	50

Care should be taken that diesel and supplementary fuel are thoroughly mixed before filling.

Ambient Temperature upto Deg C.	Percentage	
	Winter grade diesel	Supplementary fuel
Up to -15	100	0
-15 to -20	70	30
-20 and below	50	50

WARNING

Do not mix gasoline or alcohol with diesel. This mixture can cause an explosion.

Fuel (Petrol)

Unleaded gasoline conforming to Anx-IV-N GSR 84(E) for Domestic and Petrol unleaded RON95 EN228 for export is recommended to be used as fuel. It is always recommended to use correct fuel to get optimum emission performance.

NOTE

Always use petrol of a correct specification in a vehicle fitted with catalytic converter. Even single fill of leaded petrol will seriously damage the catalytic converter.

TECHNICAL INFORMATION

Lubricant Specification

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

Item	Specification	Company	Brand	Qty.
Engine Oil (1.2 RVT) - Petrol	5W30 ACEA A5/B5 TATA SS6579	CASTROL	Magnatec Professional T 5W30	3.5 Litres (Petrol) 5 Litres (Diesel)
Engine Oil (1.5 RTQ) - Diesel		EXXON Mobil	Mobil Super 3000 TMGO 5W 30 Tata motors genuine oil	
Coolant (Pre-mixed) (Antifreeze agent +Soft water 40:60 ratio)		PETRONAS	TATA MOTORS GENUINE OIL -Engine Oil synth 5W30	
Transaxle Oil	Class II/JIS K2234 TATA SS7700S1	SUNSTAR CCI	Golden Cruiser LLC 2200NP	5.5 Litres (Petrol) 6.5 Litres (Diesel)
AMT Oil		IOCL	TATA MOTORS GENUINE COOLANT KOOL PLUS	
Brake Fluid / Clutch fluid	Semi-Synthetic SAE 75W85	PETRONAS	TATA MOTORS Genuine Transmission Oil Synth 75W85	2.4 Litres
Refrigerant	Hydraulic oil	PETRONAS	TUTELA Cs-Speed	As required
Compressor Oil	SAE J 1703, DOT 4	PETRONAS	TATA MOTORS Genuine Brake Oil DOT 4S	As required
		Sunstar CCI	Golden Cruiser Tata Genuine Brake Fluid (DOT4)	
		CASTROL	Optional - CASTROL – Universal Brake Fluid DOT 4	
Compressor Oil	R-134a	-		470±20 gms
	ND-8	-		120+20 gm (Petrol) 100+20 gm (Diesel)

TECHNICAL INFORMATION

Technical Specifications

Parameter	Diesel	Petrol
Engine		
Model/type	TATA 1.5RTQ (BS4)	TATA 1.2RVT (BS4)
Capacity	1497 cc	1198 cc
Max. Engine output	110ps @ 3750 RPM	110ps @ 5000 rpm
Max. Torque	260 Nm @ 1500 - 2750 rpm	170Nm @ 1750 - 4000 rpm
Clutch		
Type	Dry, Single Plate	
Outside diameter of clutch	228 mm	
Transaxle		
Model	TA 6300	
Type	Synchromesh on all forward gears and sliding mesh on reverse gear	
No. Of gears	6-Forward, 1-Reverse	
Steering		
Type	Column Mounted Electric Power Assisted Steering System	
Brakes		
Brakes	Front (Disc); Rear (Drum)	
Parking brake	Cable operated Mechanical on rear wheels	

TECHNICAL INFORMATION

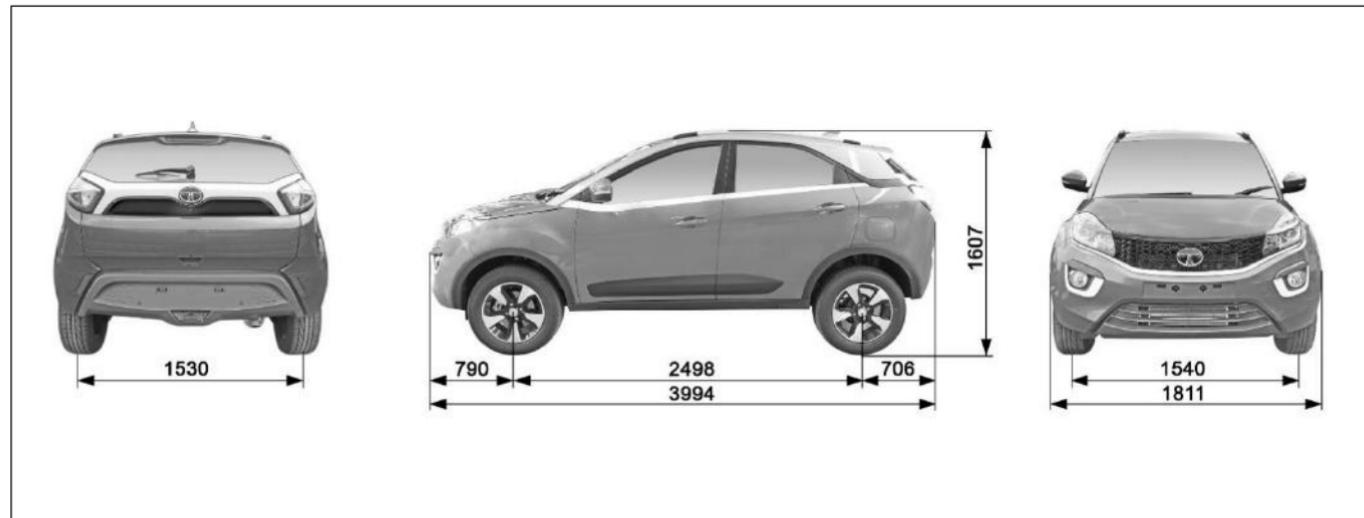
Parameter	Diesel	Petrol
Suspension		
Type	Mcpherson strut	
Shock absorber	Double acting telescopic type	
Wheels & tyre		
Tyres	Option I : 195/60 R16 (Radial-Tubeless) Option II: 215/60 R16 (Radial/Tubeless).	
Wheel rims	Option I: 6J X 16 steel wheel Option II: 6.5Jx16 alloy wheel	
Fuel tank		
Capacity	44 liters	
Cab / body		
Type	Monocoque	
Electrical system		
System voltage	12 Volts (-ve earth)	12 Volts (-ve earth)
Alternator capacity	110 Amp	110 Amp
Battery	12V DIN 55	12V, 44Ah

TECHNICAL INFORMATION

Parameter	Diesel	Petrol
Main chassis dimension (in mm)		
Wheel base	2498	2498
Track front	1540	1540
Track rear	1530	1530
Overall length	3994	3994
Overall height	1607	1607
Max. Width	1811	1811
Ground clearance	165 (Laden)- 195/60 R16 184 (Laden)- 215/60 R16	165 (Laden)- 195/60 R16 184 (Laden)- 215/60 R16
Performance		
Max. Speed	165	165
Max. Recommended gradability	30%	30%
Minimum Turning Circle Dia. in meter as per IS:12222	10.2 m	10.2 m
Minimum Turning Clearance circle dia. in meters as per IS:12222	10.8 m	10.8 m
Weight (in kg)		
Gross vehicle weight (Laden)	1660	1598 (XZ,XZ+,XZA) 1660 (XE,XT,XM)
Kerb weight (unladen)	1250 (XM, XT,XZ+, XZ,XZA) 1225 (XE)	1188

TECHNICAL INFORMATION

Vehicle Dimensions

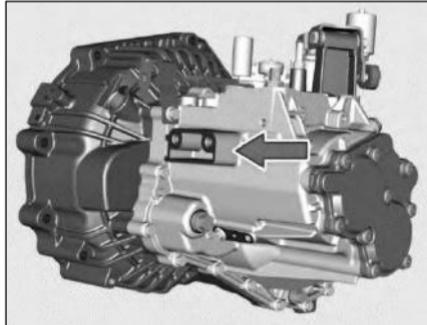


NOTE : Dimensions are in mm Laden/Unladen condition

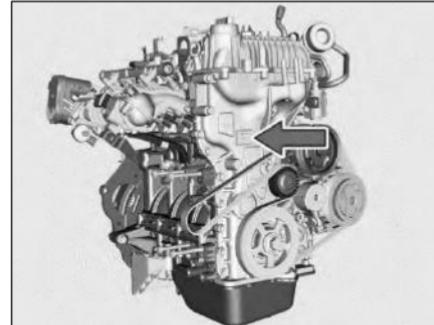
Aggregate Identification Numbers



Chassis No. punching near driver seat



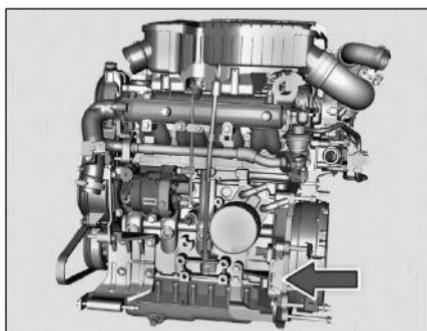
Transaxle No. Punching



Engine No. Plate - Petrol



VIN plate below driver seat



Engine No. Plate - Diesel

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, fuel and stone chippings should be removed as soon as possible.

Washing

Following these tips while washing your vehicle.

1. Always wash your vehicle in shade and the surface is at room temperature.
2. Wash with mild vehicle wash soap like 'Car Shampoo' and use a soft bristle brush, sponge or soft cloth and rinse it frequently while washing to avoid scratches.
3. To avoid scratches, please wear soft gloves. Remove finger rings, nails, wrist watch while washing.

4. To remove stubborn stains and contaminants like tar, use turpentine or cleaners like 'Stain remover' which are safe for paint surfaces.
5. Avoid substances like petrol, diesel, kerosene, benzene, thinner 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.

WARNING

Do not direct high pressure washer fluid/ water jets (Pressure above 0.5 Bar) at electrical devices and connector during washing. This is to prevent malfunction / failure of electrical system due to water ingress.

After drying the vehicle, inspect it for chips and scratches that could allow corrosion to start. Apply touch up paint where necessary.

Cleaning of Carpets

Vacuum clean the carpet regularly to remove dirt. Dirt will make the carpet wear out faster. Periodically shampoo the carpet to keep it looking new.

Use carpet cleaners (preferably foam type). Follow the instructions that come with the cleaner. Apply it with a sponge or soft brush. Keep the carpeting as dry as possible by not adding water to the foam.

NOTE

Avoid wiping of painted surface in dry condition as it may leave scratches on the painted surface.

CAR CARE AND VALUE ADDED SERVICES

Cleaning of Windows, Front and Rear Glasses

Clean the windows inside and outside with commercially available glass cleaners.

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

RFID TAG

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



**DO NOT TRY TO PEEL OFF RFID TAG
IT WILL BE PERMANENTLY DAMAGED.**

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.

CAR CARE AND VALUE ADDED SERVICES

Paint Care

Following guidelines will help you to protect your Vehicle from corrosion effectively.

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

Extended Warranty

TATA MOTORS recommends the purchase of its extended warranty program.

Coverage - Mechanical + Electrical

Benefits

- Insures you against unforeseen break down repair bills.
- Documentation is simple and hassle free.
- Near cashless & speedy claim

Term

24 + 12 months or 75,000 kms whichever occurs first

OR

24 + 24 months or 1,00,000 kms whichever occurs first



Extended Warranty is available in the dealership from where you have purchased your vehicle. We strongly recommend purchase of Extended Warranty at time of purchase of your vehicle. Extended Warranty can be availed till 421 days from date of purchase of vehicle. The Dealer Service Marketing Executive shall explain to you the Terms and conditions, Coverage and Owner's responsibility.

Extended Warranty Booklet & Cover Note

The Extended Warranty booklet and cover note is the basis of the contract between TATA MOTORS LIMITED and the Owner of the vehicle shown on the Extended Warranty booklet. The Customer is to retain this booklet and the same to be produced to the dealer while claiming benefit s under Extended Warranty.

CAR CARE AND VALUE ADDED SERVICES

Note

- The 12 or 24 months extended warranty does not follow the 24 months Manufacturer's warranty.
- The extended warranty comes into force once the manufacturer's warranty expires e.g. after 24 Months.
- It is more restrictive as by the time it comes into force the vehicle is already 24 months old.

What is covered?

- Mechanical / Electrical break down as defined in this warranty and confirmed by the dealer within the stipulated terms and conditions.
- TATA MOTORS dealer shall either repair or replace any part found to be defective with a new part or an equivalent at no cost to the owner for parts or labour.
- Such defective parts which have been replaced will become property of TATA MOTORS LIMITED.
- Comprehensive list of parts covered is mentioned in the page 9-12 of the Extended Warranty Booklet.

What is not covered?

Please refer the Extended Warranty Booklet for details of the exclusion list.

Owner's Responsibility:

- Proper use, maintenance and care of the vehicle in accordance with the instructions contained in the Owner's Manual and Service Booklet. The records of the same to be ensured in Owner's Manual.
- Retention of maintenance service bills.

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

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

Customer's Signature

Dealer's Signature

CAR CARE AND VALUE ADDED SERVICES

Value Added Services

Why are Corrosion Protection Waxes necessary?

Corrosion is caused by:

Water / salt water acid rain & atmospheric fallouts.

Critical areas are:

Cavities: joints, crevices, spot welds, underbody

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

Benefits of Anti - Rust treatment:

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



CAR CARE AND VALUE ADDED SERVICES

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.

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

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

Customer's Signature

Dealer's Signature

Vehicle 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: destroy 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 & all exterior plastic moldings/trims.

TATA MOTORS has tied up with **M/s Autokrom, M/s 3M & M/s Wurth** 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.



CAR CARE AND VALUE ADDED SERVICES

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 - Traffic

Benefits: Vehicle Interior Enrichment

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

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

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

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

Customer's Signature

Dealer's Signature

WARRANTY - TERMS AND CONDITIONS

We WARRANT each **TATA NEXON** vehicle and parts thereof manufactured by us to be free from defect in material and workmanship subject to the following terms and conditions:

1. This warranty shall be for a period of **24 months from the date of sale of the car or a mileage of 75,000 Kms 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, Batteries, Audio and / or Video equipment (if any), etc. not manufactured by us but supplied by other parties, this warranty shall not apply, but buyers of the car shall be entitled to, so far as permissible by law, all such rights as we may have against such parties under their warranties in respect of such parts.
5. This warranty shall not apply if the car or any part thereof is repaired or altered otherwise than in accordance with our standard repair procedure or by any person other than from our sales or service establishments, our authorized dealers, service centres or service points in any way so as, in our judgment which shall be final and binding, to affect its reliability, nor shall it apply if, in our opinion which shall be final and binding, the car is subjected to misuse, negligence, improper or inadequate maintenance or accident or loading in excess of such carrying capacity as certified by us, or such services as prescribed in our Owner's Manual are not carried out by the buyer through our sales or service establishments, our authorized dealers, service centres or service points.
6. **This warranty shall not apply to the replacement of normal wear parts, including without limitation, spark plugs, drive belts, hoses, wiper blades, fuses, clutch disc, brake shoes, brake pads, cables and all rubber parts (except oil seal and glass run).**
7. This warranty shall not cover any inherent normal deterioration of the car or any of its parts arising from the actual use of the car or any damage due to negligent or improper operation or storage of the car.
8. This warranty shall not apply to normal maintenance services like oils & fluid changes, head lamps focusing, fastener retightening, wheel balancing and alignment, tyre rotation, adjustment of valve clearance, fuel timing, ignition timing and consumables like bulbs, fuel, air & oil filters and gas leaks in case of air conditioned cars.
9. This warranty shall not apply to any damage or deterioration caused by environmental pollution or bird droppings. Slight irregularities not recognized as affecting the function

WARRANTY - TERMS AND CONDITIONS

- 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.

TATA MOTORS LTD. is committed to produce vehicles using environmentally sustainable technology. A number of features have been incorporated in TATA MOTORS passenger vehicles which have been designed to ensure environmental compatibility throughout the life cycle of the vehicle. We would like to inform you that your vehicle meets emission norms and this is being regularly validated at the manufacturing stages.

As a user you too can protect the environment by operating your vehicle in a proactive manner. A lot depends on your driving style and the way you maintain your vehicle. We have given a few tips for your guidance.

Driving

- Avoid frequent and violent acceleration.
- Do not carry any unnecessary weight in the vehicle as it overloads the engine. Avoid using devices requiring high power consumption during slow city traffic condition.
- Monitor the vehicle's fuel consumption regularly and if showing rising trend get the car immediately attended at the Company's Authorised Service Outlets.
- Switch off the engine during long stops at traffic jams or signals. If you need to keep the engine running, avoid unnecessary revving it up or stopping and starting.
- It is not necessary to rev up the engine before turning it off as it unnecessarily burns the fuel.

- Shift to higher gears as soon as it is possible. Use each gear upto 2/3rd of its maximum engine speed.
- A chart indicating gear shifting speeds is given in this book.

Maintenance

- Ensure that recommended maintenance is carried out on the vehicle regularly at the Authorised Service Outlets.
- As soon as you see any leakages of oil or fuel in the vehicle we recommend to get it attended immediately.
- Use only recommended grades and specified quantity of lubricants.
- Get your vehicle checked for emission periodically by an authorised dealer.
- Ensure that fuel filter, oil filter and breather are checked periodically and replaced, if required, as recommended by TATA MOTORS.
- Do not pour used oils or coolants into the sewage drains, garden soil or open streams. Dispose the used filters and batteries in compliance with the current legislation.
- Do not allow unauthorized person to tamper with engine settings or to carry modifications on the vehicle.
- Never allow the vehicle to run out of fuel.
- Parts like brake liners, clutch discs should be vacuum cleaned. Do not use compressed air for cleaning these parts which may spread dust in the atmosphere.

ENVIRONMENT SAFETY

While carrying out servicing or repairs of your vehicle, you should pay keen attention to some of the important engine aggregates and wiring harness which greatly affect emission. These components are:

1. Fuel injection equipment's - pump, rail, injectors, nozzles and high pressure pipes.
2. Air Intake & Exhaust system, especially for leakages.
3. Cylinder head for valve leakage.
4. All filters such as air, oil and fuel filters (check periodically).
5. Turbocharger.
6. Electrical connections.
7. If the 'Service' lamp continuously glows, please take the vehicle to a TATA MOTORS authorized service outlet.
8. Catalytic Converter.
9. EMS wiring harness i.e. electrical connections to all sensors and actuators.

This Owner's manual contains further information on driving precautions and maintenance care leading to environment protection. Please familiarize yourself with these aspects before driving.