

OWNER'S MANUAL

Revision: Rev 00/SEPT 2021

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

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

You can also approach nearest TATA MOTORS 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 8282) in case of any query or support required.

We wish you a safe and pleasant driving experience.

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 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 PASSENGER VEHICLE 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 PASSENGER VEHICLE LIMITED no liability for damage resulting from the modifications or use of non-genuine accessories.

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

Copyright

TATA MOTORS

Doors

31

Windows

32

Tail Gate Opening

36

Fuel Lid

37

Supplementary Restraint System (srs) (airbags)

(if equipped)

12

Child Lock (if equipped)

18

Anti-theft Device Immobilizer / PEPS

19

Anti-lock Braking System (ABS)

20

Electronic Brake Force Distribution (EBD)

21

Brake Sway Control (bsc)

21

Stuck Mode Recovery (traction Pro) (if applicable)

21

Keys

25

Smart Key (if available)

27

Smart Key Features

28

Flip Key

29

Flip Key Features

30

Cockpit

39

Instrument Cluster (TFT Screen)

40

Instrument Cluster (LCD Screen)

56

Tell Tales

68

Audio Reminders (as available)

75

Combi-switch (RH Stalk) (if available)

76

Head Lamp Leveling Rotary Switch

77

Combi-switch (LH Stalk) (if available)

77

Dashboard Controls

79

Steering Mounted Controls (LHS) (if available)

80

Steering Mounted Controls (RHS) (if available)

81

Mic (if available)

83

Infotainment System Display (if available)

83

Speakers & Tweeter (if available)

84

01. SAFETY

Important Information

Seat Belts

Child Restraint System (CRS)

03. DASHBOARD AND FEATURES

02. OPENING AND CLOSING

The data provided appears to be an extraction from a vehicle's user manual, detailing various features and safety systems. The information is organized into sections, with the first being safety

features. These include the number of seat belts, child restraint, and supplementary restraint systems. There are also sections on child locks, anti-theft devices, and braking systems such as ABS and EBD.

The second section focuses on keys and access, including smart key features and flip key controls. While the third section, Opening and Closing, seems to refer to various vehicle doors, windows, and gates, along with their respective opening mechanisms.

The next section, Cockpit, describes the instrument cluster and various controls positioned on the dashboard and steering wheels, such as telltales, audio reminders, and combi-switches.

Overall, the data appears to provide a comprehensive overview of a vehicle's essential features, safety systems, and access mechanisms, offering users a handy reference for understanding their vehicle's capabilities.

The data provided consists of two sections: the first section seems to be a list of different car components and their corresponding numbers, while the second section focuses on safety features, opening and closing mechanisms, and cockpit features.

Starting with the first section, the car components and their associated values are as follows: Doors, 31; Windows, 32; Tail Gate Opening, 36; and Fuel Lid, 37. These numbers could represent different things depending on the context.

The second section contains various safety and convenience features found in a vehicle. Under the category of Supplementary Restraint System (srs), which appears to relate to airbags, the number 12 is listed. This may refer to the total number of airbags in the vehicle or a specific code related to their functionality. The child lock system is equipped with a mechanism numbered 18, while the anti-theft device immobilizer and PEPS are combined in another entry. The anti-lock braking system,

electronic brake force distribution, and brake sway control are all grouped together as well. Some features are described with a brief explanation, such as the smart key and flip key, their respective numbers being 27 and 29.

Moving on to the cockpit, the instrument cluster is equipped with either a TFT or LCD screen, indicated by the numbers 39 and 40 respectively. The audio reminders and various switches located on the steering column, including the combi-switch, are mentioned. The dashboard controls, steering-mounted controls, and microphone availability are described. The infotainment system, speakers, and tweeters seem to be combined under one entry.

Overall, the data appears to be a comprehensive list of vehicle components, their numbers, and some safety and interior features, presented in a sequential manner.

The data provided appears to be a list of car features and their corresponding locations or functions. The features are categorized into sections such as Dashboard and Features, Safety, and Opening and Closing.

The Dashboard and Features category seems to focus on the various components located within the cockpit of the car. This includes elements such as the instrument cluster, which can be either a TFT or LCD screen, telltales, audio reminders, and various switches located on the steering column. There are also mentions of steering-mounted controls, microphones, and infotainment displays, suggesting a modern vehicle with some level of technological integration.

The Safety section briefly touches on several crucial safety features. These include the supplementary restraint system, or airbags, child locks, and an anti-theft device immobilizer. Additionally, it lists anti-lock braking, brake force distribution, and brake sway control, highlighting the vehicle's active safety measures.

Furthermore, the Opening and Closing category seems to refer to the various points of entry and access to the car. It mentions the number of doors and windows, along with the tail gate and fuel lid.

There is also some information on the key types, with mentions of smart keys and flip keys, and their respective features. Unfortunately, the data provided is incomplete, and without further details, it is difficult to ascertain the exact specifications and features of the vehicle in question.

The data provided appears to be a car manual, detailing various features and functions of a vehicle. The information is organized into different sections, with the first being about the opening and closing mechanisms of various parts. It lists the page numbers for keys, smart keys, and flip keys, along with their respective features. Some of the notable features mentioned include child locks, anti-theft devices, and fuel lid access.

The second section relates to safety features. It mentions the location of seat belts and highlights the presence of an immobilizer, anti-lock braking, and brake force distribution. There's also reference to an anti-sway control system, traction control, and airbag deployment.

The final section, titled Dashboard and Features, seems to focus on the internal controls and display systems. It covers aspects like the instrument cluster, which can be either a TFT or LCD screen. It also mentions telltale signs, audio reminders, and various switches located on the steering column, providing access to functions like headlamp leveling.

The dashboard controls and steering-mounted controls are also described, including their placement on the left and right sides. Additionally, it refers to the presence of a microphone, infotainment system, and speakers. Overall, this data appears to be a comprehensive guide to the functional aspects of a vehicle, offering insights into the various safety, access, and control features.

Usb Port (if available)

85

Power Socket (if available)

85

Antenna

86

Roof Grab Handle

86

Roof Lamp

87

Boot Lamp (if available)

87

Front Lamp

88

Tail Lamp

88

Fully Automatic Temperature Control (FATC) (if
available)

100

Pre Driving Checks

107

Driving Tips

108

Seat Adjustments

110

Rear View Mirrors

114

Orvm Folding (as applicable)

115

Sun Visors (if available)

116

Electric Power Assisted Steering (EPAS)

116

Steering Wheel Adjustment

117

Steering Lock And Ignition Switch (if available)

118

Starting And Stopping (without PEPS)

119

Starting And Stopping (PEPS) (if available)

120

Engine Passive Start - Conditions

121

Engine Passive Stop - Conditions

122

Gear Shifting

122

Reverse Gear

123

Driving

123

Storage Compartment

89

Hooks (if available)

94

Tag Holder (if available)

95

Front Seat Back Pockets (if available)

95

Air Distribution

97

Air Vents

98

Electronic Temperature Control (etc) (if available)

98

06. STARTING AND DRIVING

04. STOWAGE AREAS

05. CLIMATE CONTROL

The table seems to be a checklist for a vehicle, listing various features and their corresponding locations or ratings. The first section, titled "Usb Port (if available)" through "Tail Lamp," appears to inventory the external features of the vehicle, rating them by location. The ports and lamps are all

rated at 85 or 86, suggesting a uniform standard across the vehicle's design.

The next section, "Fully Automatic Temperature Control (FATC) (if available)," indicates that the vehicle has a sophisticated climate control system, rated at 100. This is followed by a section detailing the various checks and adjustments that a driver might perform, with ratings from 107 to 123. These include pre-driving checks, driving tips, and adjustments to the seat, mirrors, and steering.

The fourth section covers stowage areas such as the storage compartment, pockets, and hooks, while the final section details the climate control mechanisms, including air distribution and electronic temperature control. It's unclear what the ratings signify, but each feature has a numerical value assigned.

The table appears to be organized into sections, with the first column containing the section titles. Each subsequent row seems to provide details or topics related to the section headings. The sections cover various aspects of vehicle operation and features, from starting and driving to stowage areas, climate control, and others.

The starting and driving section encompasses numerous subtopics, such as pre-driving checks, driving tips, and adjustments to seats, mirrors, and steering. It also covers different scenarios related to vehicle starting, including EPAS, steering lock, and ignition.

The stowage areas section briefly mentions storage compartments and their locations, such as front seat back pockets and hooks. While the climate control section refers to temperature regulation systems like FATC and ETC, along with air distribution through vents.

Some features are listed with a notation of "(if available)," indicating that the presence of these features may vary between models or trim levels of a vehicle. Overall, the table appears to be a

comprehensive guide to the functionalities and attributes of a vehicle, covering various essential aspects of its operation and design.

The table seems to be a categorization of various car features according to their locations or purposes. It can be inferred that these are the specifications of a particular car model. The first section, titled "Stowage Areas," lists several storage spaces available in the car, such as a storage compartment, hooks, tag holder, and front seat back pockets. The numbers assigned to each of these seem to be indications of their respective quantities or ratings.

The next section, titled "Usb Port (if available)," contains two entries related to the availability of USB ports and their corresponding locations or functionalities, rated at 85 each. This is followed by a brief section mentioning the power socket's location or functionality, also rated at 85. The subsequent entries describe various lamps and lighting features, such as the antenna, roof grab handle, and front and tail lamps, each rated at their respective numbers.

The fifth section is about the climate control features of the car, including the availability of Fully Automatic Temperature Control, rated at 100. This is followed by several sections detailing the various aspects of driving the car, including pre-driving checks, driving tips, and adjustments one can make while driving, like seat and mirror adjustments. The sections also cover features such as Power Assisted Steering, steering wheel adjustment, and starting and stopping procedures.

Interestingly, the "Starting and Driving" section appears twice, perhaps indicating the different features available in this category. The final section returns to discuss the stowage areas, providing more detail on the storage compartment and other storage features. Overall, the table presents a comprehensive overview of the car's features, with each feature categorized and rated for clarity.

The table seems to be a summary of various vehicle features and their corresponding scores. It can be split into four distinct sections:

The first section titled "Climate Control" lists various climate control features and their scores. "Air Distribution" is rated at 97, "Air Vents" and "Electronic Temperature Control" both score 98.

The second section, titled "Usb Port" features a score of 85, while the following two entries, "Power Socket" and "Antenna" score 85 and 86 respectively.

The third section, titled "Starting And Driving", has a wide range of features. "Fully Automatic Temperature Control" scores 100, while subsequent entries cover topics such as pre-driving checks, driving tips, and seat adjustments, ranging from 107 to 110 in scores. Rear view mirrors and related topics are covered in the next few entries, scoring between 114 and 116.

The fourth section, "Stowage Areas", includes discussions on storage compartments and their scores, such as the storage compartment itself scoring 89, and various other storage features like pockets and hooks.

The final section returns to climate control features, with "Air Distribution" and "Air Vents" scoring highly again.

The data appears to be a summary of various vehicle attributes and their ratings, possibly for comparison purposes.

Automated Manual Transmission (AMT) (If fitted)

124

Starting The Engine

129

Braking

130

Drive Mode

131

Current Gear Indication

131

Gear Recommendation

132

Idle Stop Start (iss) (if available)

133

Parking Brake

138

Vehicle Parking

139

Reverse Park Assist With Sensor (if available)

140

Rear View Camera (if available)

142

Fuses

166

Bulb Specification

171

24 X 7 Road Assistance

173

Emergency Equipment

149

Spare Wheel Removal Process

151

In Case Of Flat Tyre

151

Puncture Repair Kit (if available)

155

Jump Starting Your Car

162

Towing

164

Maintenance And Service

177

Engine Compartment (MT)

178

Engine Compartment (AMT)

178

Engine Oil Level

180

Brake Fluid Level

181

Engine Coolant Level

181

Checking Amt Oil Reservoir Level

182

Windshield Washer Fluid Level

183

Battery

183

Spark Plug (petrol)

185

Tyres

185

Smart Key Battery Replacement (For PEPS
variant)

188

On Board Diagnostic (OBD II) System

189

Service Instructions

190

08. MAINTENANCE

07. EMERGENCY AND BREAKDOWN ASSISTANCE

The table appears to be an index of sorts, detailing various aspects of vehicle maintenance, emergency procedures, and functionality. It provides page numbers for each topic, presumably

corresponding to a manual of some kind. The entries are divided into several sections, the first of which is titled "Maintenance" and includes topics like checking fluid levels (engine oil, brake fluid, coolant), tire maintenance, and battery replacement.

The second section, "Emergency and Breakdown Assistance," covers topics such as spare wheel removal, jump-starting the car, and towing procedures. There's also information on what to do in the event of a flat tire, including a puncture repair kit.

The earlier part of this section also seems to focus on fuses and bulb specifications, while the latter part discusses assistance and road services available around the clock. Notably, the table also contains entries related to the transmission, parking assistance, and safety features such as idle stop start and rear view cameras. Overall, this table serves as a comprehensive guide, offering a detailed roadmap to various vehicle-related topics, with each section providing clear references for further exploration or troubleshooting.

The table appears to be an index of sorts, detailing specific pages or sections of a car owner's manual. The first few entries are titled "Automated Manual Transmission (AMT)", suggesting this section of the manual relates to the transmission of the vehicle. It covers topics like starting the engine, braking, and different drive modes. There's also mention of gear indication and recommendation, as well as idle stop features.

The next section, Fuses, seems self-explanatory, as do Bulb Specification and 24 X 7 Road Assistance. Following this is an section dedicated to emergency equipment and what to do in the event of a breakdown. It covers topics such as spare wheel removal, flat tire repairs, and jump-starting the vehicle.

The final section, titled Maintenance and Service, provides an overview of routine maintenance procedures. This includes checking various fluid levels such as engine oil, brake fluid, and coolant,

as well as tire and battery maintenance. There are also instructions on servicing the vehicle and a mention of the On-Board Diagnostic system. Overall, this table appears to be a concise index of common topics covered in a comprehensive car owner's manual, intended to help drivers quickly find the information they need.

The data provided appears to be an index of content for a maintenance and emergency assistance manual of some kind. The information is divided into two main sections, the first being titled "Maintenance" and the second "Emergency and Breakdown Assistance".

The maintenance section contains topics such as different compartments and their respective contents (engine, brake fluid, coolant, etc.), alongside instructions on checking levels and replacing certain components. There's also a subsection dedicated to tire and wheel maintenance, including a guide on dealing with flat tires and a puncture repair kit.

Moving on to the second section, it covers topics related to starting the engine, different driving modes, and safety features such as parking brakes and assistance systems for parking and reversing. This section also includes information on fuses, bulb specifications, and accessing 24/7 road assistance.

There are also two smaller sections, one detailing the location of the engine compartment and the other providing instructions for jump-starting the car and towing it in the event of a breakdown. The final part of the data is a brief overview of the maintenance and service procedures, as well as a reminder to consult the service instructions provided.

Overall, this data appears to be a condensed table of contents for a comprehensive vehicle maintenance and emergency procedures guide, providing users with a roadmap to different sections of the manual.

The table appears to be an index of content for a vehicle maintenance and emergency manual. The

first section, titled "Emergency and Breakdown Assistance," provides guidance on a variety of topics. It covers situations such as equipment emergencies, spare wheel removal and management, and responses to flat tires. There are also instructions on using a puncture repair kit, jump-starting a car, and towing procedures.

The second section focuses on maintenance and service, offering comprehensive details on checking vital fluids in the engine compartment, including oil, brake fluid, and coolant levels. It also covers topics such as checking the amount of windshield washer fluid, battery care, and the replacement of spark plugs and smart keys.

The manual also seems to have a section dedicated to the On-Board Diagnostic system, providing insights into its functionality and perhaps some troubleshooting tips. Interestingly, there's a mention of "Drive Mode" and "Gear Recommendation," which could relate to automated or assisted driving functions, common in modern vehicles.

While the data is somewhat fragmented, with many section titles and numbers interspersed, the overall theme seems to revolve around vehicle maintenance, emergency procedures, and some advanced driving assistance systems. It's a comprehensive manual that would be beneficial to anyone needing to refer to it for vehicle issues or general upkeep.

Service Schedule

191

Vehicle Parking For Long Duration (Non - Use Maintenance)

196

Vehicle Warranty: Terms And Conditions

219

Environmental Safety

221

Fuel Specification

197

Lubricant Specification

198

Technical Specifications

200

Vehicle Dimensions

203

Aggregate Identification Numbers

204

Car Care

205

Fast Tag

207

Value Care - Amc

208

Extended Warranty

212

Value Added Services

214

Vehicle Exterior Enrichment

216

Vehicle Interior Enrichment

217

11. WARRANTY - TERMS AND CONDITIONS

09. TECHNICAL INFORMATION

12. ENVIRONMENT SAFETY

10. VEHICLE CARE AND VALUE ADDED SERVICES

The table appears to be organized into three columns, with the first column containing titles or categories, and the second and third columns providing page numbers or references related to those titles. The titles span across various topics, seemingly related to vehicle maintenance, specifications, and warranties.

Starting with the technical information, the data provides page references for fuel and lubricant specifications, technical specifications, and various vehicle dimensions. The middle section focuses

on service schedules, vehicle parking, warranties, and environmental safety. The last section contains information on vehicle care, fast tags, value-added services, and vehicle interior and exterior enrichment.

The page numbers or references range from 191 to 221, indicating a reasonable length for the manual or guide this data is extracted from. It seems to cover a comprehensive range of topics, ensuring vehicle owners have access to detailed information on maintenance, specifications, warranties, and environmental considerations.

The table appears to be organized into different sections or categories relating to vehicle care, warranty, technical information, and environmental safety. Each section seems to contain multiple services or topics.

The first section, titled "Vehicle Care and Value Added Services," encompasses several services such as car care, fast tag, value care, extended warranty, and various enrichment services for vehicle interiors and exteriors. These offerings appear to be related to maintaining and enhancing the condition and value of automobiles.

The warranty section, titled "Warranty - Terms and Conditions," likely contains information about the terms and durations of warranties, as well as any associated stipulations or limitations. It might also include details about what is covered under the warranty and how to claim it.

The technical information section includes topics such as fuel and lubricant specifications, along with technical specifications and vehicle dimensions. This section seems to contain detailed technical data relating to vehicle performance, requirements, and design.

Finally, the environmental safety section addresses topics such as environmental considerations and regulations. It may include information about emissions standards, eco-friendly practices, or

safety guidelines pertaining to vehicle operation and maintenance.

Overall, the table appears to be a comprehensive service schedule or menu, covering various aspects of vehicle care, warranty coverage, technical details, and regulatory information.

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.

Safety Tips

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:

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.

How quickly you make decisions to avoid an accident.

Your ability to concentrate.

Decelerate to a safe speed before taking turn. Do not apply brakes during cornering.

How well you can see and judge objects.

When overtaking other vehicles, watch out for the oncoming vehicle.

How well familiar you are with your vehicle controls and its capabilities.
test

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.

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.

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.

Driving on a Rainy Day

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;

Check wiper blades, lights and brakes for proper functioning and condition.

Check the tyre treads depth, the condition of the tread and tyre.

Keep engine in higher RPM and crawl the vehicle in low gear.

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 on Wet Roads

On wet road or during light showers, aquaplaning can occur. Aquaplaning is the loss of direct contact between the road surface and the vehicle's tires due to a water film forming between them. Steering or braking the vehicle can be very difficult, and loss of control can occur. There is no hard and fast rule about aquaplaning. The best advice is to slow down when the road is wet.

Night Driving

Flowing or rushing water creates strong forces. Driving through flowing water could cause the vehicle to about trying to drive through flowing water.

Ensure that all lights are working and windshield, window glasses are clean.

Drive more slowly at night than in the daytime, as the visual range is restricted at night. Maintain a speed such

that you can stop within illuminated distance of head lamps.

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

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.

Use side indicators for lane change or turning.

NOTE

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

Maintain a greater distance from the vehicle in front.

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 Gradients

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

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.

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 over-

heating of service brakes resulting in reduced braking efficiency.

SEAT BELTS

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

abdomen. To remove slack, pull up a bit on the shoulder seat belt. To loosen the lap portion seat belt if it is too tight, tilt the tongue and pull on the lap seat belt. A snug seat belt reduces the risk of sliding under the seat belt in a collision. Ensure that the seat belt running over the body (shoulder segment and lap segment) does not have any twist. Twisted seat belt may not offer effective protection when required.

Releasing the Seat Belt

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

Seat belts are the primary restraints system in the vehicle. All occupants, including the driver, should always wear their seat belts to minimize the risk of injury.

Sit back and adjust the front seat.

?

Make sure that your seat is adjusted to a good driving position and the back of the seat is upright.

Buckling the Shoulder Seat Belt

Grasp the tongue then slowly pull out the seat belt over the shoulder and across the chest. When the seat belt is long enough to fit, insert the tongue into the lock buckle until you hear a ?CLICK? which indicates that the seat belt is securely locked.

Position the lap portion of seat belt across your pelvic bone, below your

NOTE

The above image is for reference purpose only.

Fixed Rear Centre Lap Seat Belt

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

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

Seat Belts with Pre-tensioner (if equipped)

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

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

In the event of a collision, as may be nec-

If the vehicle has been involved in a collision, get it inspected immediately at authorized

TATA

MOTORS

SERVICE

Center.

Seat Belts With Load Limiter (if
equipped)

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

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

Do not insert any items such as
coins, clips, etc. into the seat belt
buckles, and be careful not to spill
liquids into these parts. If foreign
materials get into a seat belt buckle,
the seat belt will not work properly.

Do not insert any items such as

Do not wear seat belts over hard,
sharp or fragile items in clothing,
such as pens, keys, spectacles etc.

Do not wear seat belts over hard,

Do not use any accessories on seat belts or modify in any way the seat belt system. Devices claiming to improve occupant comfort or reposition the seat belt can reduce the protection provided by the seat belt and increase the chance of serious injury in a collision.

Do not use any accessories on seat

WARNING

WARNING

Each seating position and seat belt assembly must only be used by one occupant. It is not recommended to put a seat belt around a child, being carried on an occupant's lap.

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

Each seating position and seat belt

Be careful not to damage or tamper
the seat belt webbing or hardware.

Inspect the seat belt system periodically, checking for cuts, frays, or loose parts. A frayed or torn seat belt could rip apart in a collision and leave you with no protection.

Be careful not to damage or tamper

If the seat belt webbing or hardware is damaged, get it replaced immediately at TATA Motors Authorized service centre.

If the seat belt webbing or hardware

In the event of a collision, as may be necessary, load limiter reduces the load on the rib cage region of the occupant. If the vehicle has been involved in a collision, get it inspected immediately at Authorised TATA MOTORS SERVICE Center.

Use of Seat Belts for Pregnant Woman

If this system is also provided for other than Front row seats, applicable above warning will appear until seat belts are buckled.

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

Seat Belt Warning Lamp

For Driver For Front seat

passenger

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

If the driver does not fasten seat belt, seat belt reminder lamp will blink and a buzzer will sound for predefined duration until the driver seat belt is buckled.

If front passenger seat is occupied by adult and does not fasten seat belt, seat belt reminder lamp will blink and a buzzer will sound for predefined duration until the front passenger seat belt is buckled.

WARNING

Pregnant woman must wear a correctly positioned seat belt. It is safer for mother as well as unborn child.

Pregnant woman must wear a cor-

Pregnant woman should wear the

lap part of the seat belt across the Pelvic Bone and as snug across the hips as possible. Keep the seat belt low so that it does not come across the abdomen. That way the strong bones of the hips will take the force if there is a collision.

Pregnant woman should wear the

NOTE

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

CHILD RESTRAINT SYSTEM (CRS)

TATA MOTORS strongly recommends the use of Child Restraint Systems (CRS) for all children up to age of 12 years and to be placed at recommended positions only.

Children travelling without recommended CRS and seated at other positions may face serious injuries in case of a collision.

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

If the child seat is equipped with support leg(s), always fit the support leg(s) directly to the floor. Never fit support leg(s) to a footrest or on any other object.

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

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

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

facturer.

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

Selection and Installation of CRS

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

NOTE

The above images are for reference
purpose only.

Recommended CRS Position as per
the Vehicle Matrix

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

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

U - Suitable for 'universal' category re-
straints approved for use in this age group.

L - Suitable for particular child restraints.

These restraints may be of the specific ve-
hicle, restricted or semi-universal cate-
gories.

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

Group

Mass

Group

Up to 10

Up to 9
months

0+

Up to 13

kg

Up to 24

months

X

U,L

U,L

U,L

U,L

II

15 to 25 kg

Approx. 3

to 7 years

III

22 to 36 kg

Approx. 6

to 12 years

Group

Age

Group

Age

Passen-

Front

ger

Rear Out-

board

L H

Rear Out-

board

R H

Rear

Center

Rear

kg

kg

Up to 24

9 to 18 kg

9 months

to 48

months

pp

to 12 years

WARNING

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

The table provides recommendations for selecting a suitable child restraint system (CRS) for different age groups, with a focus on ensuring safety while traveling. It offers insights on the appropriate positions for installing these systems in various vehicle seats. The first column of the table categorizes children into groups based on their weight and age, with Group 0 catering to infants weighing up to 10 kg and aged up to 9 months, while Group 0+ accommodates children up to

13 kg and 24 months old. Group I is designed for toddlers weighing 9 to 18 kg and aged between 9 months and 48 months, while Group II caters to younger children weighing 15 to 25 kg and approximately 3 to 7 years old. Finally, Group III is intended for older children weighing between 22 and 36 kg and approximately 6 to 12 years of age.

For each group, the table provides information on suitable seat positions and CRS categories. The front passenger seat is generally not recommended for children, marked with an 'X' in the table, indicating it's unsuitable for the respective age group. However, the rear seats are assigned letters indicating the suitability of various CRS options. 'U' signifies that the position is suitable for universal-category restraints approved for the specific age group, while 'L' suggests it's appropriate for particular child restraints, which may include vehicle-specific, restricted, or semi-universal categories.

The table aims to guide parents and caregivers in choosing the right CRS and installing it in the safest manner possible, taking into account the child's weight, age, and vehicle characteristics. It's important to note that the front seat should be avoided for children, as mentioned in the warning, due to the potential severity of injury or even death in the event of an accident. Overall, the table serves as a comprehensive guide to help ensure the safety and well-being of children during vehicle travel.

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

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

WARNING

WARNING

NOTE

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

Do not install a booster seat or a

booster cushion with only the lap
strap of the seat belt.

Do not install a booster seat or a

Do not install a booster seat or a
booster cushion with a seat belt that
is slack or twisted.

Do not install a booster seat or a

Do not put the safety seat belt under
your child's arm or behind its back.

Do not put the safety seat belt under

Do not use pillows, books or towels
to boost your child's height.

Do not use pillows, books or towels

Make sure that your children sit in
an upright position.

Make sure that your children sit in

Do not allow children to stand up or

kneel on either the rear or the front seats. An unrestrained child could suffer serious or fatal injuries during a collision.

Do not allow children to stand up or

Do not leave any toys or other objects loose in the CRS or on the seat while the vehicle is in motion.

Do not leave any toys or other ob-

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

NOTE

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

NOTE

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

WARNING

Do not leave unattended children in your vehicle.

Do not leave unattended children in

Do not modify CRS in any way.

Each CRS should be used for one child only.

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

NOTE

The above images are for reference purpose only.

SUPPLEMENTARY

RESTRAINT

provide a cushion to the occupants. The Airbag inflates and deflates so quickly that you may not even realize that it has activated. The Airbag will neither hinder your view nor make it harder to exit the vehicle. Airbag inflation is virtually instantaneous and occurs with considerable force, accompanied by loud noise and smoke, which is normal. The inflated airbag, together with seat belts, limit the movement of an occupant, thereby reducing the risk of injury.

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

After inflation, airbag provides a gradual cushioning effect for the occupant there-

after deflates. It is not advisable to drive your vehicle after the airbags have been deployed. If you are involved in another collision, the airbags will not be in place to protect you.

SYSTEM

(SRS)

(AIRBAGS)

(if

equipped)

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

Seat belt Pre-tensioners..

?

Seat belt with load limiters.

?

Driver Airbag.

?

Front Passenger Airbag.

?

Airbag ?SRS? ECU (Electronic Control

?

Unit).

Collision Sensors.

?

SRS wiring harness.

?

SRS Warning lamp

?

The System is active when ignition switch is in the ?ON? position or the ignition mode is ?ON?.

Airbags are designed to inflate in collisions when required. In the event of a collision, the collision sensors will detect signals, and if the Airbag ECU judges that the signals represent a severe collision, will trigger the airbags. The inflated Airbags

NOTE

The above image is for reference purpose only.

NOTE

Open your windows and doors as
soon as possible after collision to re

Open your windows and doors as

Not Recommended Seating Position

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

duce prolonged exposure to the smoke and powder released by the inflating Airbag.

Do not touch the Airbag container's internal components immediately after an Airbag has inflated. The parts that come into contact with an inflating Airbag may be very hot.

Always wash exposed skin areas thoroughly with lukewarm water and mild soap.

order to minimize the risk and severity of injury in the event of a collision.

ALWAYS use seat belts and CRS ?

during every trip and at all times.

Even with airbags, you can be seriously injured or killed in a collision if you are not wearing seat belt properly or not wearing seat belt when airbag inflates.

You and your passengers should never sit or lean unnecessarily close to the Airbags.

Move your seat as far back as possible from front Airbags, while still maintaining control of the vehicle.

All occupants should sit upright with the seatback in an upright position, centred on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor until the vehicle is parked and the engine is turned off.

If an occupant is out of position during collision, the rapidly deploying

Airbag may forcefully contact the

occupant causing serious or fatal injuries.

Do not allow the front passenger to place their feet or legs on the dashboard.

WARNING

Even in vehicles with Airbags, you and your passengers must always wear the seat belts provided. In

Even in vehicles with Airbags, you

NOTE

Coat hooks (if provided), must be used only for that purpose. Never hang heavy items on to those hooks. This may lead to severe to fatal injuries.

Coat hooks (if provided), must be

ALWAYS contact your TATA MOTORS authorised service centre if the vehicle is damaged, even if airbag has not inflated.

ALWAYS contact your TATA MO-

ALWAYS contact your TATA MOTORS authorised service centre if any part of an airbag module cover shows sign of cracking or damage.

ALWAYS contact your TATA MO-

The SRS warning lamp stays ?ON? after illuminating

The SRS warning lamp stays ?ON?

The SRS warning lamp comes
?ON?/stays ?ON? while the vehicle is
in motion.

The SRS warning lamp comes

The SRS warning lamp blinks when
the engine is running.

The SRS warning lamp blinks when

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

All images are for reference purpose
only.

WARNING

Never place your arm over the
airbag as a deploying airbag can re-
sult in serious arm fractures or other

injuries.

Never place your arm over the

Do not place or stick any item/s in the vehicle, except at designated locations (such as utility bins, cup/bottle holders, Boot space etc). Loose items may act as a projectile during a collision and cause severe to fatal injuries.

Do not place or stick any item/s in

Please be aware that any unsecured item in your vehicle, such as your pet, unsecured CRS or a laptop, can become a potential hazard in the event of a collision or sudden stop, causing injuries to occupants in the vehicle.

Please be aware that any unse-

WARNING

WARNING

Never make any modifications to your vehicle. The modifications carried out, but not limited to the vehicle frame, bumpers, front fenders, ride height, suspension, seat belts, interior trims, steering wheel (especially holders), are not acceptable. This will affect the intended performance of SRS system.

Never make any modifications to

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

g

The SRS warning lamp does not

g

p

turn ?ON? when the ignition switch is placed in the ?ON? position for few

seconds.

Airbag Warning Sticker on Front Passenger Sun Visor

mended seating position.

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

It is not taken to mean child can occupy front passenger seat and use seat belt.

Please refer CRS section for recom-

Fitment of bull bars is strictly prohibited, unless authorised by TATA MOTORS. This will affect the intended performance of SRS system.

Fitment of bull bars is strictly prohib-

If you need to make any modifications to accommodate any disability you may have, please contact your Authorized TATA MOTORS Dealer for necessary guidance.

If you need to make any modifica-

Do not tamper with SRS in any way.

This will lead to unexpected performance of system and may cause serious injury or death.

Do not tamper with SRS in any way.

WARNING

Never use a rearward facing child restraint on a seat protected by an active Airbag in front of it, Death or serious injury to the child can occur.

highly effective occupant protection during rollover collision. Front airbags are not designed to deploy in a rollover as frontal airbags cannot offer any protection in rollover collision.

When front airbags deploy with minor or no visible vehicle damage?

deployment because the airbags would not have been needed or would not have provided protection even if they had deployed.

Seat belts, if worn, offer adequate occupant protection in such cases.

Airbags Deployment Conditions

When front airbags (if equipped) should not deploy?

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

Side collision: During a side collision, oc-

cupants tend to move sideways. Therefore, deploying frontal airbags in such situations will not benefit the occupants.

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

Rollovers collision: During a rollover collision, unbelted occupants may float inside the passenger compartment. This will increase the risk of injuries and may prove

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

When front airbags not deploy, even

with exterior visible vehicle damage?

The airbags are triggered only when there is a collision severe enough to trigger the airbags. The amount of visible vehicle damage is not always the correct indicator for airbag deployment. Some collisions can result in visible damage but no airbag

CHILD LOCK (if equipped)

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.

Lift the lock lever upward to deactivate

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.

Child safety lever to be used for

ANTI-THEFT DEVICE IMMOBILIZER

/ PEPS

Immobilizer system is designed to pre-vent vehicle theft by electronically disabling the engine ignition system. The engine can be started only with vehicle?s original Immob-
ilizer ignition key which has an electronic identification programmed code.

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 vehi-
cle

Ignition ON

ON

Locked

Ignition ON

Blinking

Unlocked

Contact a TATA MOTORS Authorized Service Centre immediately.

Vehicle

Condition

Vehicle

Immobilizer

Lamp Status

p

tus

Vehicle

Problem with key (Wrong key used to start vehicle)

Problem with key (Wrong key used to

Problem with Immobilizer system. Con-

tact a TATA MOTORS Authorized Service Centre.

Problem with Immobilizer system. Con-

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.

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

The data extracted from the table describes the status of an immobilizer system, which is an anti-theft device installed in vehicles. The table details the different states of the vehicle's ignition and the corresponding status of the immobilizer system.

When the ignition is off, the immobilizer lamp blinks to indicate that the vehicle is locked and immobilized, awaiting the electronic key to unlock it. In this situation, the vehicle cannot be started without the original immobilizer ignition key. If the ignition is on and the immobilizer lamp is off, the vehicle is in a normal state, indicating that it is unlocked and ready to start.

Things get a little more complicated when the ignition is on, and the immobilizer lamp behaves differently. If the lamp is off, it could mean a problem with the key, such as using the wrong key to start the vehicle. Similarly, a blinking immobilizer lamp with the ignition on could indicate a problem with the immobilizer system, and the owner should contact a Tata Motors authorized service center immediately.

The table also includes a note about the importance of keeping the flip key safe, as it is essential for starting the vehicle. A spare key can be created with the unique 'key tag number' engraved on the original key.

ANTI-LOCK BRAKING SYSTEM

(ABS)

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

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

While Braking

If ABS intervenes: continue to press the brake pedal vigorously until the braking situation is over.

To make a full brake application: press ?

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.

consideration prevailing weather and traffic conditions.

WARNING

WARNING

If ABS

is faulty, the wheels could lock when braking. The steering ability and braking characteristics may be severely impaired. There is an increased danger of skidding and accidents.

If ABS

is faulty, the wheels

Drive on carefully. Have ABS checked immediately at a TATA MOTORS Authorized Service Centre as soon as possible.

Drive on carefully. Have ABS

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.

The stopping distance required for

However, remember that ABS will not compensate for bad road or weather conditions or poor driver judgment. Drive within safety margins taking into consideration into

However, remember that ABS will

ELECTRONIC BRAKE FORCE DISTRIBUTION (EBD)

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

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

BRAKE SWAY CONTROL (BSC)

Detects tendency of instability during Braking in ABS-alone vehicles by monitoring individual wheel.

Enhances vehicle stability by controlling braking pressure on individual wheels during partial braking.

STUCK MODE RECOVERY (TRACTION PRO) (if applicable)

Traction Pro mode helps the driver to get the vehicle moving if one of the front wheels is continuously spinning because

of low grip from the road surface. This situation may arise due to road undulation, snow, mud, or any low friction surface.

These situations are automatically identified by ABS driven Traction Pro mode and pop-up windows on the infotainment system support the driver.

Driver can activate the Traction pro mode and take the vehicle out of the stuck situation without any external assistance.

Once activated, the driver will be guided of further steps via the infotainment unit itself.

Traction pro mode can be used only in the forward direction and cannot be used if both front wheels are spinning.

WARNING

If EBD

is malfunctioning, the rear wheels can lock, e.g. under full braking. This increases the risk of skidding and an accident.

If EBD

is malfunctioning, the

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.

You should therefore adapt your

CAUTION

Please use Traction Pro Mode cautiously in extreme conditions where vehicle digs deep into the ground

Please use Traction Pro Mode cau-

In case you select ?yes?, Traction Pro Mode will be activated and you can follow the instructions to take the vehicle out of stuck situation

If vehicle comes out of stuck situation, notification pop up as seen in below image.

Mode at any point of time of activation by pressing deactivate button which results in notification pop up as seen in the below image.

In case there is any system temperature high is identified during the operation of Traction Pro Mode, Traction Pro Mode will be disabled temporarily for around 2 minutes.

If vehicle is stuck with one wheel continuously spinning, you will receive the notification pop up (in below image) to activate the Traction Pro Mode.

which can cause vehicle body to touch the ground.

During activation of Traction Pro

Mode, service brake may not deliver normal braking performance at very low speed. In case vehicle rolls back on slope please be ready to use hand brake.

Do not press brake and accelerator pedal together except where Traction Pro Mode is activated

If the terrain is beyond physical limit of the Traction Pro Mode, notification pop up as described in below image will be displayed on the infotainment system. Please take external aid to tow the car in this situation.

KEYS

A key is an electronic access and authorization system available as a standard feature with your vehicle.

Unlocking Principle

The transponder in the ignition key carries a Unique Identification Code (UID). 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 to '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 the TATA MOTORS Authorized Dealer/Service Center 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 turn ?ON? ignition switch by

Do not leave the key in high temper-

y

g

p

ature areas. 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.

Do not try to start the vehicle when

Types Of Key

Sn

Name

Remote Key

Description

Mechanical key

Locking all doors

1.

Unlocking all door

2

Unlocking all doors

2.

Smart Key (PEPS)

Locking all doors

1.

Approach light

2.

Tail gate opening

3.

Unlocking all doors

4.

Flip Key

Unlock

1.

Approach Light /follow me

2.

Lock

3.

Key blade in / out button

4.

The table details three different types of keys and their respective functions. The first type, with a Sn of 1, is a mechanical key that enables the locking and unlocking of all doors. It's a straightforward design that serves its purpose with simplicity.

The second type, Sn 2, is a Smart Key that offers a few additional conveniences. It can lock all doors, activate the approach light, open the tail gate, and unlock all doors. This key adds a bit of modern convenience to the vehicle.

Lastly, the Flip Key, assigned Sn 3, has a different set of features. It can unlock and lock the vehicle, activate the approach light, and also has a button to extend or retract the key blade. This key seems to offer a blend of security and ease of use.

Each key has its unique features and benefits, catering to different preferences and needs.

SMART KEY (if available)

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

Locking all doors

1.

Approach Light

2.

Locking All Doors

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

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

Approach Light

This feature helps to find and reach the parked vehicle.

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

To switch ?OFF? the approach lights, press and release the same button or it automatically turns ?OFF? after certain time.

Tail Gate Opening

Unlocking All Doors

Press the unlock button once (4) to unlock all the doors.

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

Press the tail gate opening button once (3) to unlock the tailgate.

Tail gate opening

3.

Unlocking all doors

4.

NOTE

If smart key battery is low/drained or vehicle battery is low/drained, user can unlock and enter into vehicle by using mechanical key blade, which is present inside the smart key.

Key Blade In/out

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

SMART KEY FEATURES

Force Panic ON Operation

When vehicle is in OFF condition, if we press lock button and unlock button simultaneously, Force panic operation gets activated. In this case, turn indicators of vehicle start flashing and horn will blow automatically.

Force Panic OFF Operation

By pressing any button of smart key, Force panic operation gets deactivated.

Vehicle Search

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

Automatic Activation Of Immobilizer

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

Auto Locking / Unlocking Of Doors /

Auto Relock

In 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 in the vicinity of your vehicle, as it could lead to an unintentional unlocking your vehicle.

For battery, replacement procedure refer "MAINTENANCE" section.

Do not remove the battery connection

?

of the vehicle while the vehicle has been locked by remote.

Smart Key Precautions

If smart key is close to radio transmitter

1.

such as radio station or an airport

which can interfere with normal operation of the transmitter.

If smart key is near a mobile two way

2.

radio system or a cellular phone, then

it will not work properly.

operated close to your vehicle, signal
will fluctuate.

FLIP KEY

Unlock

1.

Approach Light /follow me/trunk lid

2.

Lock

3.

Key blade in / out button

4.

1. Unlocking All Doors

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

2. Approach Light / Follow Me

Press approach light button (2) once, low beam, park and roof lamp will turn ?ON? for

60 seconds (default setting). This feature helps to find and reach the parked vehicle or to reach home in dark/ cloudy condition after parking. Red LED will be flashed on the remote. To switch ?OFF? the approach lights, press and release the same button

or it automatically turns ?OFF? after 60 seconds.

Tail Gate Opening (if equipped)

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

3. Locking All Doors

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

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

4. Folding Key Blade In / Out

Press button (4) to flip out the key blade.

For folding, press the button (4) and fold the key blade inside.

WARNING

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

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.

Force Panic ON Operation

Force Panic ON operation When vehicle is in OFF condition, if we press lock button and unlock button simultaneously, Force panic operation gets activated. In this case, turn indicators of vehicle start flashing and horn will blow automatically. Force Panic OFF operation.

Force Panic OFF Operation

By pressing any button of flip key, Force panic operation gets deactivated

Automatic Activation Of Immobilizer

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

When ignition key is taken out 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.

Important

Don't operate Unlock push-button of remote while in the vicinity of your vehicle, as it could lead to an unintentional unlocking your vehicle.

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

For battery replacement procedure refer maintenance section.

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

Manual Operation Of Central Door

Locking / Unlocking

All doors can be locked / unlocked operating driver door using either key blade from

outside or knob from inside.

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.

DOORS

Door Lock And Unlock With Key (if available)

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

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

Door Locking And Unlocking Using

Door Handle Switch (DHS)

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

Rear Door Opening

Door opening handle is provided on the side of the window.

To open the door, press the lever provided inside the handle and pull.

NOTE

Passive entry works only when ignition is off.

Passive entry works only when ignition is off.

Authentication range for smart key ranges from 1 to 1.5 meters from outside the respective door or tailgate.

Authentication range for smart key

WINDOWS

Power Windows (if available)

Front Window Winding Switch (Left)

1.

Front Window Winding Switch (Right)

2.

Rear Window Winding Switch (Left)

3.

Rear Window Winding Switch (Right)

4.

Inhibit Switch

5.

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.

Locking Without A Key From Inside

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

Opening The Doors From Inside

All doors can be opened from inside. To open, pull the door opening lever. All doors can be unlocked by pulling the inside release lever to the intermediate position. When it is further articulated will unlatch the door and can be opened.

Individual Switches

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

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

Inhibit Switch

Inhibit Switch ON

When switch is pressed,
Amber light turns ?ON?.

The individual switches
provided on rear and
front passenger door

Express Down (if available)

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

NOTE

WARNING

While raising the glass, take care to avoid fingers/hands getting trapped be-

tween glass and the door frame.

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

cannot be operated. However, it can be operated from the switches on driver's arm rest

Inhibit Switch OFF

When switch is pressed,

Amber light turns ?OFF?.

The individual switches

provided on rear and

front passenger door can be operated. It

can also be operated from the switches on

driver's arm rest. .

Manual Window Winding (if available)

Use window winder handle for lowering or

raising up window glasses manually where

power windows are not provided.

Opening The Bonnet

Make sure that the engine is switched

1.

off and vehicle is in neutral gear with

the parking brake applied.

Pull the bonnet release lever. The bon-

2.

net will pop up slightly.

For MT

WARNING

If children operate the windows they could be get trapped, particularly if they are left unsupervised. There is a risk of injury.

If children operate the windows they

Activate the window inhibit feature when children are travel-ling. When leaving the vehicle, always take the key with you and lock the vehicle.

Never leave children unsupervised in the vehicle.

Activate the window inhibit feature

Lift the bonnet up. Pull the bonnet stay

4.

rod from its clip and put the free end into the slot provided on frame.

For AMT

Lift the bonnet slightly and with your

3.

finger and slide the secondary lock lever located under the center of the bonnet

NOTE

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

WARNING

The stay rod can be hot enough to burn your finger right after driving.

Touch the rod after it becomes cool enough.

The stay rod can be hot enough to

Put the stay rod into the hole correctly. If the rod drops off, your body may be caught below the bonnet.

Put the stay rod into the hole cor-

Deactivate the Idle Stop Start (ISS) function for any operation to be performed in the Engine compartment.

Deactivate the Idle Stop Start (ISS)

Closing

TAIL GATE OPENING

To close the bonnet, hold the bon-net

1.

by one hand, disengage the stay rod
and clamp it back properly.

Option II

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

On closing the tail gate door, it gets locked.

While closing the tail gate, if doors are in
locked condition and valid smart key is in-
side the trunk, then tail gate gets unlocked.

Lower the bonnet close to the bumper,

2.

then let it drop down.

Option I

To release the tailgate, press the tail gate

button on the remote.

switch within 30 seconds to open it.

NOTE

Some variants may have multiple options.

WARNING

Make sure that the bonnet is correctly locked or it can fly up unexpectedly when you drive.

NOTE

Press the tail gate button on smart key and press the tail gate door handle

FUEL LID

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

For opening, open the fuel cap, turn it counter clockwise.

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

Open driver door using mechanical

1.
key.

Open driver door using mechanical

- 1.

Open the rear door.

- 2.

Fold the rear seat.

- 3.

Option III

Emergency Tailgate Opening

In emergency situation like key or vehicle battery is discharged or electrical malfunction-

tioning, you can unlock the tailgate from inside as per procedure given below:

And access the tailgate opening lever

4.

from inside.

Turn the lever clockwise to unlatch and

5.

open the tailgate.

NOTE

Once tail gate is opened, it will not get locked automatically with other doors.

Once tail gate is opened, it will not

If the doors are unlocked, the tail gate can be unlocked via tail gate handle switch without smart key.

If the doors are unlocked, the tail

Do not keep the smart key in the boot when you close the tail gate.

Do not keep the smart key in the

WARNING

Tail gate can?t be locked using mechanical key/ flip key/ smart key. It has to be locked by slamming it.

NOTE

This can be used in emergency situation when you are inside the vehicle.

NOTE

To fill up the fuel, the Engine must be stopped by turning OFF the Ignition Key / Start-Stop button. If the Engine is in Idle Stop Start (ISS) mode, it may restart automatically while filling the fuel.

To fill up the fuel, the Engine must

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

Remove the fuel filler cap slowly,

If fuel cap needs replacement, make sure that it is replaced by a genuine cap at the TATA MOTORS authorized service center.

WARNING

If fuel cap needs replacement, make

Fuel vapor is extremely hazardous.

Always switch ?OFF? the engine before refueling and never refill near sparks or open flames. Do not use cell phone when you fill fuel.

Fuel vapor is extremely hazardous.

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.

Do not continue adding fuel after the

COCKPIT

1

A.C. Air vent

2

Airbag (PAB)

3

Infotainment Display (if available)

4

Steering controls (if available)

5

Instrument Cluster

6

Combi-Switch

7

Horn pad

8

Fascia switch (if available)

9

Driver side Utility pocket

10

Start - Stop switch (if available)

11

Airbag (DAB)

12

Controls

13

Foot Rest

14

USB Port

15

Parking Brake Lever

16

Glove box

17

Gear shift lever

18

ETC / FATC (as available)

19

Hazard Warning switch

20

Center air vent

The table lists various components of a car's cockpit, presenting them in a sequential manner. Starting from the top, the first item is the A.C. air vent, which is followed by the airbag on the passenger's side, referred to as PAB. The third entry is the infotainment display, which may vary depending on the vehicle's configuration. Nearby is the steering wheel, incorporating controls for easy access while driving.

The instrument cluster, a crucial element, sits behind the steering wheel, providing the driver with essential information. The combi-switch is located adjacent to it, its purpose unclear. The horn pad and fascia switch are also positioned within easy reach, while the driver side utility pocket offers storage for small items. The start-stop switch is likely positioned near the center console, along with the airbag on the driver's side, referred to as DAB.

The controls, although their function is not specified, likely refer to the cruise control buttons. Below these would be the foot rest, a comfortable feature for longer drives. A USB port is included for device connectivity, followed by the parking brake lever. The glove box, a traditional storage space, is situated in the dashboard on the passenger's side.

The gear shift lever is a prominent feature in the center console, enabling the driver to change gears. The ETC and FATC switches are likely located near the gear shift, though their functions may vary based on the vehicle's specifications. The hazard warning switch is a standard feature for emergency situations, and finally, the center air vent completes the cockpit's layout.

The layout suggests a thoughtful arrangement of controls and features, prioritizing the driver's ease of access and comfort.

INSTRUMENT CLUSTER (TFT Screen)

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

Speedometer

Speedometer indicates the vehicle speed in kmph.

Tachometer

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

Indication of the amount of fuel in the fuel tank. In indication window, 'F' stands for full and 'E' stands for empty.

When fuel in the tank nears empty, low fuel warning tell-tale light glows. Fill fuel as soon as possible.

Fuel Gauge

When the ignition switch is in 'ON' position, fuel gauge gives an approximate indication of the amount of fuel in the tank.

WARNING

Do not drive the vehicle with a high engine rpm. This may cause damage to the engine and reduce its life.

NOTE

NOTE

Do a check of the fuel level when the vehicle is stationary on a level road.

Do a check of the fuel level when

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

The fuel level displayed can vary when you drive on inclines, curves,

The fuel level displayed can vary

engine coolant temperature tell-tale light flashes and you will hear an audio warning. In this case, stop the vehicle, switch the engine ?OFF? and allow it to cool down for some time. Contact the nearest TATA MOTORS Authorized service centre immediately for rectification.

Temperature Gauge

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

The indicator should be within the normal, acceptable temperature range i.e. between ?H? and ?C?. If the indicator approaches ?H?, overheating is indicated by a RED progress bar.

brake and accelerate suddenly. This is due to the movement of fuel in the tank. The low fuel warning lamp may turn to ON or OFF earlier or later than usual.

WARNING

WARNING

If there is any defect in the system, Low fuel warning symbol will blink. Take your vehicle to the nearest TATA MOTORS Authorized Dealer/Service Center.

The red progress bar indicates over heating due to high coolant temperature that may damage the engine. If you continue to drive the vehicle in this case, it can result in severe engine damage or even fire.

Driver Information System

Driver Information

System Image

Description

This indicates distance travelled by the vehicle. The odometer reading does not return to 0 when maximum value is reached; the display will freeze the maximum value.

Indicates current time in AM/PM mode. Clock time can be changed using steering wheel switches on the steering wheel.

Whenever the battery terminals or related fuses are connected, you must reset the clock time. This feature is available when ignition switch is in ON position.

NOTE: Clock settings can also be changed through infotainment system. For more information, refer infotainment manual.

Odometer

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 99. The trip meter reading becomes 0.0 after it crosses 9999.9 km.

Clock

Service reminder

This indicates how many days/kilometres are left till service is due. If service is overdue, it will display 99 km or 99 days and a spanner symbol will blink every time ignition is ON for a few seconds. Never reset the display between

The table contains information about various features available in the driver information system of a vehicle. The first column lists the names of these features, such as odometer, trip meters A and B, clock, and service reminder. The corresponding descriptions are provided in the second and third columns.

The odometer displays the distance traveled by the vehicle and is notable for not resetting to zero but instead freezing the maximum value when it's reached. The trip meter A and B can be used to measure shorter distances, such as those traveled during fuel stops, and can be manually reset to zero. Whenever the value crosses 9999.9 km, it resets to 0.0.

The clock feature shows the current time in AM/PM format, which can be adjusted using steering wheel switches. It's recommended to reset the clock time whenever the battery terminals or fuses are connected. The infotainment manual can also provide clock setting instructions.

Finally, the service reminder provides information on the remaining days or kilometers before a service is due. If a service is overdue, a spanner symbol will flash briefly when the ignition is turned on. It's advised not to reset this display between service intervals.

Overall, the table offers insights into various functionalities of the driver information system, enhancing the driver's convenience and awareness about the vehicle's status.

Driver Information

System Image

Description

service intervals as it may give incorrect readings. The information is retained in the service interval display even after the vehicle battery is disconnected.

NOTE: This option is for indicative purpose only. Keep track of your odometer reading and follow the maintenance schedule.

Door Ajar

Respective door open display pop up come for few sec and then telltale with respective door open shall be displayed.

Current gear position

(indicator)

Current gear engaged by the transmission shall be displayed on DIS.

NOTE: If ?F? is displayed it means a defect in the system is detected Contact the nearest TATA MOTORS Authorized service centre immediately to rectify the problem.

In case of a manual transmission, the gear number will be displayed when the clutch is fully released.

Gear Recommendation

Up or down arrow will be displayed on DIS to shift a gear up or down.

No arrow shall be displayed when the selected gear is as per the Vehicle dynamics.

The table contains information regarding various aspects of a vehicle's functionality and the corresponding displays or indicators. The first row, 'Driver Information,' seems to be a header, providing an overview of the data that follows. The 'System Image' column describes what is being depicted or displayed in the vehicle, such as the service interval display or the current gear position.

The 'Description' column provides an explanation of the functionality associated with each system image. For instance, it explains that the service interval display will retain information even after disconnecting the vehicle battery and highlights the need to track odometer readings. It also describes the display of a telltale sign for an open door and the appearance of an indicator for the current gear position, noting a potential system defect if the letter 'F' is shown.

The information in this table seems to be designed to inform drivers about the various displays and their meanings, ensuring they are aware of the vehicle's status and any necessary actions to take in case of specific indications or recommendations.

Driver Information

System Image

Description

Night time Illumina-
tion control

Dashboard Illumination in Night time can be controlled in 5 steps as per user's convenience using SET and MODE button.
Refer settings flow.

Drive Mode (AMT)

Applicable to AMT variant of the vehicle. 'M' indicates Manual Drive mode. 'A' indicated Automatic Drive mode.

The table contains information about two features of a vehicle, specifically related to driving. The first feature described in the table is the night-time illumination control, which allows drivers to adjust the dashboard lighting in five steps to suit their preferences. This can be done easily using the SET and MODE buttons, and the settings can be referred to in the provided flow chart. The second feature is the drive mode, which is applicable to the AMT variant of the vehicle. The drive mode can be manually controlled, indicated by the letter 'M', or set to automatic drive mode, indicated by 'A'. These options allow the driver to choose their preferred driving style.

Instantaneous Fuel Economy (IFE)

To reach the Instant Fuel Economy in the

Power And Torque

Indicates the value of Power and Torque delivered by engine in the particular driving condition.

Average Fuel Economy (AFE)

Trip A

Instrument cluster. Press the

but-

ton on the RHS of the steering wheel.

IFE display does not show Fuel Economy of last drive.

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

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

Trip B

AFE value is an estimate of fuel economy.

It may vary significantly based upon driv-

ing conditions, driving habits and condition
of the vehicle.

To see the average fuel economy in the in-

strument cluster, press the

switch

on the RHS of the steering wheel.

Trip time, Average speed and Trip distance
will reset to 00 when respective Trip meter
is reset.

NOTE

IFE will vary frequently as per driving
pattern.

tons on RHS of the steering wheel.

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.

If low fuel warning light glows, fill the fuel tank immediately regardless of the DTE figure.

Setting Screen

User can enter into setting by pressing se-

lect button

while being in setting screen.

Distance To Empty (DTE)

The above DTE screen indicates an approximate distance in ?km? that your vehicle can travel with available fuel in tank.

To reach the Distance to Empty in the In-

Infotainment Information On Instrument Cluster Display Unit

The instrument cluster will display information like media, navigation and FM.

NOTE

Average Fuel Economy, Trip time and Average speed will get reset to 0 when Battery is removed and refitted.

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 Dealer/Service Center.

NOTE

If DTE is displayed as ??, then take your vehicle to the TATA MOTORS Authorized Dealer/Service Center.

If DTE is displayed as ??, then

The DTE will update with a new value when fuel is added for more than 7 litres at a time.

The DTE will update with a new

Illuminated Key Ring

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

Outside Ambient Temperature

This displays outside ambient temperature reading with an accuracy of ± 1 °C.

The temperature sensor is located at the front bumper. Therefore the temperature reading can be affected by heat reflection from the road surface, engine heat and the exhaust from surrounding traffic.

If outside temperature falls below -1°C, a ?snowflake? symbol appears beside the

To change the option by pressing
button on RHS of the steering wheel.

To change the option by pressing

To increase the illumination from 20% to

100% in five steps by pressing
button

on RHS of the steering wheel.

To decrease the illumination from 100% to

Illumination Screen

User can select illumination setting by scroll down & pressing set button on the RHS of the steering wheel.

20% in five steps by pressing

button on

RHS of the steering wheel.

Illumination setting

If parking lamp is OFF, the option is greyed out and can not be selectable

NOTE

In the Setting menu if there is no user input for 10 sec the previous screen shall be displayed.

outside temperature reading.

Clock

Service Reminder Setting

Service reminder reset option will be enabled only in service due/overdue condition only.

User can reset the service reminder symbol by pressing up / down buttons & and select set buttons.

Clock indicates current time in 12 / 24 hours mode.

Clock mode can be changed either ?

through Instrument Cluster setting screen (If clock option not grey out by default) or through Infotainment system setting screen, refer infotainment system manual for this.

Clock Setting

User can select clock setting by scroll down & pressing set button in setting screen.

NOTE

For an accurate temperature reading, make sure the vehicle speed is above 30 kmph.

WARNING

If display shows OAT temp as ?- - ?, take your car to the TATA authorized service center.

NOTE

In the Setting menu if there is no user input for 10 sec the previous screen shall be displayed.

Up and down button to be
used
for scrolling through fields of 24 hour
format/hour/minute/AM/PM.

Select button
to be used to enter
into required field and exit from that.

Up and down button to be used for
changing the values.

Display Messages On Instrument Cluster

Below messages may be displayed in the screen for three seconds based on the priority and after display time is over some warnings

will be shown with minimized tell tale symbol.

Interrupts Messages

NOTE: All messages may not be applicable to your vehicle.

Sn

Alert

Interrupts Messages On Instrument Cluster

1

Rotate steering wheel (In ESCL jam condition)

Press Start Button While Turning Wheel

2

Key Fob battery Low

Smart Key Battery Low Replace Battery

3

Smart key out of range

Smart Key Out of Range

4

Drive Alert - Tea Break

Take a Break

5

Steering Failure, Please Stop Driving

Steering Failure Stop the Vehicle Safely

6

Steering Failure, Please Visit Garage

Steering Failure Contact Service Center

7

Pedal Press Alert Clutch

Press Clutch Pedal to Start Engine

8

Happy Birthday

Happy Birthday

Align Steering wheel

Align Steering wheel

The table provides information on various alerts and the corresponding actions or messages displayed on the instrument cluster.

The 'Sn' column represents the alert type, ranging from 1 to 9. Alert messages include warnings such as a low key fob battery, smart key out of range, and steering failure. The messages displayed on the instrument cluster provide clear instructions or notifications, such as pressing the start button while turning the wheel to release the steering wheel or replacing the battery.

Some alerts are informative or advisory, such as the 'Drive Alert - Tea Break' message, suggesting the driver take a break. Birthdays aren't forgotten either, with a personalized message displayed on the instrument cluster.

Steering-related alerts are also featured prominently, emphasizing the importance of safety. For instance, drivers are instructed to align the steering wheel under alert 9 and to stop the vehicle safely if a steering failure occurs (alert 5).

Overall, the table presents a comprehensive list of potential alerts and the straightforward actions or messages that will be shown on the cluster instrument to address them.

Warning Messages

Sn

Alert

Warning Messages On Instrument Cluster

1

Fuel Level Low State

Fuel Level Low

2

Fasten seat belt co-driver

Fasten Co-Driver Seat Belt

3

Fasten Seat Belt - Driver

Fasten Driver Seat Belt

4

Speed Limit Warning

Over Speeding Detected Slow Down

The table contains information regarding various alert and warning messages that can appear on the instrument cluster of a vehicle. These messages are triggered under specific conditions and serve as important reminders or notifications for the driver.

The first warning message, assigned with the SN of 1, indicates a low fuel level state. It's a straightforward message that warns the driver that the fuel level is low, prompting them to take refuelling actions.

The second and third messages, with SN 2 and 3 respectively, are related to seat belts. The second one urges the co-driver to fasten their seat belt, while the third one reminds the driver to do the same. These messages emphasize the importance of safety and compliance with seat belt regulations.

The final message, SN 4, is a speed limit warning. It detects over-speeding and displays a notification to slow down. This type of message is designed to help drivers maintain a safe speed and potentially avoid excessive speeding tickets.

These warning messages are a helpful and proactive feature in vehicles, enhancing the driving experience by providing timely reminders and notifications. They cover a range of safety aspects, from fuel management to seat belt usage and speed limits, ultimately contributing to a more responsible and secure driving culture.

Information Messages

Sr.no

Alert

Information Messages On Instrument Cluster

1

Park Brake Engaged

Park Brake Engaged

2

Traction Control Off

TCS Turned Off

3

Auto Headlamp

Auto Headlamp Activated

4

Resume to Target Speed Not Possible in Current

Gear

Change Gear to Resume Cruise Speed

5

Cruise Override

Cruise Override

6

ISS-Start the Engine

Auto Stop Start the Engine

The table contains information regarding various alerts and the corresponding messages displayed

on the instrument cluster in a vehicle. It provides a correlation between the alert given and the informative message that is shown to the driver.

The first entry indicates that when the park brake is engaged, the message "Park Brake Engaged" will be displayed. Similarly, turning off the traction control system (TCS) will result in the message "TCS Turned Off" being shown on the cluster. The third entry informs that the system will display "Auto Headlamp Activated" when the auto-headlamp feature is triggered.

The table also offers solutions to certain situations. For instance, if the system detects that resuming the target speed is not possible in the current gear, it will suggest changing the gear to resume the cruise speed. In the case of cruise override, the message "Cruise Override" will be presented. For the auto start-stop feature, which is likely associated with fuel-saving measures, the message "Auto Stop Start the Engine" will appear when the ISS system prompts the engine to turn on.

This table seems to be a reference for understanding the communication between the vehicle's systems and the driver, ensuring that the latter is aware of the vehicle's status and any actions taken by the former. It provides a clear and concise description of the messages that will be displayed in different scenarios, potentially assisting drivers in understanding their vehicle's behavior.

Sr.no

Alert

Information Messages On Instrument Cluster

7

Auto Start Enabled Low Battery Charge

Autonomous Start Enabled - Battery SOC Low

8

Auto Start Enabled Low Brake Assist Vacuum

Autonomous Start Enabled - Brake Vacuum Low

9

Auto Start Enabled High Cabin Temperature

Autonomous Start Enabled ? Cabin Temp high

10

Auto Start Enabled Low Coolant Temperature

Autonomous Start Enabled ? Coolant Temp Low

11

Auto Start Enabled Start Vehicle Rolling

Auto Start Enabled Vehicle Rolling

12

Auto Start-Stop Enabled Text Alert

Auto Start- Stop Enabled

13

Auto Start-Stop Disabled Text Alert

Auto Start- Stop Disabled

The table provides information on various alerts and the corresponding messages displayed on the

instrument cluster in a vehicle.

Starting with the first entry, the "Auto Start Enabled Low Battery Charge" alert will show the message "Autonomous Start Enabled - Battery SOC Low" on the instrument cluster. This warning is triggered when the battery charge is running low and the auto-start feature is activated. Similarly, the "Auto Start Enabled Low Brake Assist Vacuum" alert displays the message "Autonomous Start Enabled - Brake Vacuum Low."

Some of the other alerts and their respective messages include the high cabin temperature alert, which reads "Autonomous Start Enabled ? Cabin Temp High," and the low coolant temperature alert, displaying "Autonomous Start Enabled ? Coolant Temp Low." There's also a notification for vehicle rolling, titled "Auto Start Enabled Vehicle Rolling."

Additionally, there are alerts related to the auto start-stop system. The "Auto Start-Stop Enabled Text Alert" conveys that the auto start-stop system is functional, and the final entry warns that it has been disabled, with the message reading "Auto Start-Stop Disabled."

This data appears to focus on modern vehicle technologies, emphasizing autonomous features and providing drivers with informative messages to enhance their understanding of vehicle status and functions.

INSTRUMENT CLUSTER (LCD Screen)

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

Speedometer

Speedometer indicates the vehicle speed in kmph.

Tachometer

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

Indication of the amount of fuel in the fuel tank. 'F' stands for full and 'E' stands for empty.

When fuel in the tank nears empty, low fuel warning tell-tale light glows. Fill fuel as soon as possible.

Fuel Gauge

When the ignition switch is in 'ON' position, fuel gauge gives an approximate in-

NOTE

Do a check of the fuel level when the vehicle is stationary on a plain surface.

Do a check of the fuel level when

The fuel level displayed can vary when you drive on inclines, curves, brake and accelerate suddenly. This is due to the movement of fuel in the tank. The low fuel warning lamp may turn to ON or OFF earlier or later than usual.

The fuel level displayed can vary

NOTE

WARNING

Do not drive the vehicle with high engine rpm. This may cause damage to the engine and reduce its life.

Whenever you turn the ignition on, the Instrument Cluster needles and gauges move to maximum value and return to 0 position. This is a welcome strategy and a self-check feature.

thorized Dealer/Service Center immediately for rectification.

Temperature Gauge

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 a red bar.

If the coolant temperature reading is very high, the engine coolant temperature tell-tale light flashes with an audible buzzer. In this case, stop the vehicle, switch 'OFF' the engine and cool it down for some time. Contact the nearest TATA MOTORS Au-

WARNING

If there is any fault in the system, Low fuel warning symbol will start blinking.

Take your vehicle to the nearest TATA MOTORS Authorized Dealer/Service Center.

WARNING

The red progress bar indicates overheating, due to high coolant temperature which may damage the engine.

Continuing to drive the vehicle in this case can result in severe engine damage or even fire.

Driver Information System (DIS)

Driver Information

System Image

Description

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. The Trip meter reading becomes 0.0 after it crosses 9999.9 km.

Indicates current time in AM/PM mode. Clock time can be changed using SET & MODE knob.

Whenever the battery terminals or related fuses are connected, you must reset the clock time. This feature is available when ignition switch is in ON position.

NOTE: Clock settings can also be changed through infotainment system. For more information, refer infotainment manual.

Door Ajar

This warning will be indicated when the driver's door or front passenger door is open.

This indicates how many days/kilometres are left till service is due. If service

is overdue, it will display 00 km or 00 days and a spanner symbol will blink every time ignition is ON for a few seconds. Never reset the display between service intervals as it may give incorrect readings. The information is retained in the service interval display even after the vehicle battery is disconnected.

NOTE: This option is for indicative purpose only. Keep track of your odometer reading and follow the maintenance schedule.

Odometer

Clock

Service reminder

The table contains information about various features of a vehicle's Driver Information System (DIS). The first row, 'Driver Information,' seems to be a header, providing an overview of the system's capabilities. The subsequent rows seem to explain specific functions of the DIS in detail.

The DIS provides essential vehicle information, such as the odometer, which indicates the distance traveled and does not reset to zero but freezes at the maximum value. There are also trip meters A and B, which measure short distances or those between fuel stops and can be reset as needed. The clock feature displays the current time in AM/PM format, and it can be adjusted using certain knobs. It also has a door ajar warning that activates when the driver's or front passenger's door is open.

Additionally, the system displays a service reminder, suggesting the number of days or kilometers remaining until the next service is due. It's recommended not to reset the service interval display, as it may provide inaccurate readings. The odometer reading and maintenance schedule should be

monitored regularly.

The information provided offers a comprehensive overview of the key functions and utilities incorporated into the vehicle's DIS, assisting drivers in understanding and utilizing these features effectively.

Driver Information

System Image

Description

Current gear position

indicator

Current gear engaged by the transmission shall be displayed on Driver Information System.

NOTE:

If 'F' is displayed it means a 'Fault' condition. Contact the nearest TATA MOTORS authorized service centre immediately

In case of manual transmission, the gear number shall be displayed even when the clutch is fully released.

Gear Recommendation

Up or down arrow will be displayed indicating for a gear change.

No arrow shall be displayed when the selected gear is as per the vehicle dynamics.

The table details how gear-related information is displayed to the driver in vehicles, likely with a focus on Tata Motors models. It outlines two specific pieces of information: the current gear position and a gear recommendation.

The current gear position is indicated on the Driver Information System, which could display a fault

condition, signified by an "F." In the event of a manual transmission, the actual gear number will be shown even when the clutch is released. The gear recommendation will be signalled to the driver by up or down arrows, suggesting a gear change. If the selected gear aligns with the vehicle's dynamics, no arrow will be displayed.

This data provides insight into how these vehicles communicate essential gear-related details to the driver, ensuring they are informed and safe while operating the vehicle.

Instantaneous Fuel Economy (IFE)

Monitor the IFE bar graph to achieve better fuel economy.

IFE display does not show Fuel Economy of last drive.

The above image indicates real time fuel economy when the 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.

Average Fuel Economy (AFE)

Trip time, average speed and trip distance 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 the nearest TATA MOTORS authorized

service centre.

NOTE

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

AFE value is an estimate of fuel

Average Fuel Consumption will get reset to 0? when Battery is removed and refitted.

Average Fuel Consumption will get

NOTE

IFE will vary frequently as per driving pattern.

IFE will vary frequently as per driv-

IFE display does not show Fuel

Economy of last drive.

IFE display does not show Fuel

Distance To Empty (DTE)

The above image indicates an 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.

The DTE figure will update with a new value when fuel is added for more than seven litres at a time.

If low fuel warning light glows, fill fuel immediately regardless of the DTE figure displayed.

NOTE

If DTE is displayed as ??-?, then take your vehicle to the TATA MOTORS Authorized Dealer/Service Center.

Outside Ambient Temperature

This displays outside ambient temperature reading with an accuracy of ± 1 °C. Since the temperature sensor is located at the front bumper of the vehicle, the temperature reading can be affected by heat reflection from the road surface, engine heat and the exhaust from surrounding traffic.

Driver Information System (DIS) Setting

Driver Information System (DIS) Setting

Instrument cluster's brightness intensity and backlight intensity will turn on after the Parking lamp is ON.

Illumination setting procedure

For illumination setting short Press SET button with position lamp ON.

Change illumination levels by short pressing SET button.

WARNING

The clock and illumination settings should be changed only when the vehicle is in stationary condition for safety purposes.

Clock Setting

NOTE

If parking lamp is ON and by short pressing SET button you can enter into illumination setting.

If parking lamp is ON and by short

If user want go to clock screen then user has to short press SET button.

If user want go to clock screen then

If user is in Illumination setting then Short press MODE will go to clock setting.

If user is in Illumination setting then

If user want clock in 24/12 hour format, in any screen on Long press MODE button, clock changes to 12/24 hour format respectively.

If user want clock in 24/12 hour for-

Display Messages On Instrument Cluster

Below messages can be displayed on the screen for four seconds based on the priority.

1.Gear number Up/down Auto/Manual

6.Text info and warning

2.Mode display

7.Color tell tale

3.Driver Information display

8.Fuel gauge

4.Temperature gauge

9.Instantaneous Fuel Economy

5.Clock

10.Odometer / Trip A and B

NOTE: All messages may not be applicable to your vehicle

Sn

Information

String On Lcd Screen

1

Speed Limit Warning

OVERSPEED

2

Service Reminder Days

SERVICE DUE

3

Service Reminder Km

SERVICE DUE

4

Fuel Level Low State

LOW FUEL

5

Key Fob battery Low

KEY BATT LOW

6

Smart key out of range

KEY OUT OF RANGE

7

Rotate steering wheel (In ESCL jam condition)

ROTATE STEERING

8

Resume to Target Speed Not Possible in Current Gear

UNABLE TO RESUME

9

Cruise Override

CRUISE OVERRIDE

10

Cruise is Resuming to set speed

CRUISE RESUMED

11

Cruise Off

CRUISE OFF

12

Press CLUTCH

PRESS CLUTCH

13

Please Crank

PLZ CRANK

14

Autonomous Start Enabled - Battery SOC Low

AUTOSTART

15

Autonomous Start Enabled - Brake Vacuum Low

AUTOSTART

16

Autonomous Start Enabled ? Cabin Temp high

AUTOSTART

17

Autonomous Start Enabled ? Coolant Temp Low

AUTOSTART

18

Drive Alert1 - Tea Break

TAKE A BREAK

19

Cruise Cancelled

CRUISE CANCELLED

20

Owner?s Birthday

HAPPY BIRTHDAY

The table contains information regarding various vehicle messages, their corresponding sns, and the strings that would appear on the LCD screen of the vehicle's dashboard.

The first message is related to speed, with sn 1, indicating a speed limit warning and the LCD screen displaying "OVERSPEED." Several service reminders follow, with sns 2 and 3, informing the driver that service is due, which will be shown on the screen.

Fuel-related messages include sn 4, which warns of a low fuel level and will display "LOW FUEL," and sn 5, alerting the driver to a low key fob battery, showing the message "KEY BATT LOW."

There are also security-related messages, such as sn 6, which indicates that the smart key has gone out of range, and the dashboard will read "KEY OUT OF RANGE." In the case of sn 7, the driver is instructed to rotate the steering wheel in an ESCL jam condition, and the screen will show "ROTATE STEERING."

Some messages relate to cruise control, like sn 8, which informs the driver that resuming the target

speed is not possible in the current gear, displaying "UNABLE TO RESUME," and sn 9, which is a cruise override notification, reading "CRUISE OVERRIDE."

There are also various autonomous start notifications, related to battery, brake vacuum, cabin temperature, and coolant temperature issues, all displaying the message "AUTOSTART."

Additionally, the table includes a friendly reminder for the owner's birthday, wishing them a happy birthday directly on the LCD screen.

This vehicle's dashboard messages are informative and provide clear instructions or notifications to the driver, ensuring they are aware of various vehicle conditions and requirements.

TELL TALES

Warning Lamps

Color

Indicator

Remarks

The lamp comes on when ignition is switched ?ON?. Once engine is

1.

Malfunction Indication

Lamp (MIL)

Amber

Check Engine Lamp

Amber

Immobilizer (if avail-
able)

Red

Turn Signal

Green

The lamp comes on when ignition is switched ?ON?. Once engine is

1.

The lamp comes on when the system disables the engine start if the orig-

1.

Indicates direction indicated by the turn signal.

While you operate the left/right turn indicator, the turn signal blinks along with the buzzer (when ignition is ?ON?). The direction indicator arrow on the instrument cluster flashes along with the selected external indicator lights. Both tell-tale lights will blink simultaneously when the hazard switch is pressed irrespective of whether the ignition ON or OFF. A tick-tock sound will be heard in both cases.

p

started, it turns ?OFF?.

It remains ?ON? for any engine related fault that may increase emission
2.

levels of the vehicle beyond the regulatory norms. Contact the TATA MOTORS Authorized Dealer/Service Center for rectification.

It remains ?ON? for any engine related fault that may increase emission
2.

p

started, it turns ?OFF?.

Illuminates continuously if a fault arises in Engine Management System.
2.

Contact the TATA MOTORS Authorized Dealer/Service Center.

Illuminates continuously if a fault arises in Engine Management System.
2.

p

inal key is not used.

Lamp blinks: Vehicle is in immobilized condition when key is not inserted.

2.

Lamp ON: Problem with key/system. Contact TATA MOTORS Authorized

3.

Dealer/Service Center.

Lamp OFF: Normal condition (Authenticated user) and engine will start.

4.

The table contains information regarding the warning lamps that are present in a vehicle, their respective colors, and what each indicator signifies.

When the ignition is switched on, some lamps illuminate briefly and then switch off once the engine is started. These include the Malfunction Indication Lamp (MIL) and the Check Engine Lamp, both of which are colored amber. MIL will remain lit during any engine-related fault that may increase the vehicle's emission levels. If such a situation arises, the owner is advised to contact an authorized dealer for rectification. Similarly, the Check Engine Lamp illuminates continuously if there's a fault in the Engine Management System and requires a visit to the service center.

The Immobilizer lamp, colored red, functions as a security feature. It disables the engine start if the original key is not used and blinks when the vehicle is in an immobilized condition. If the lamp remains lit, it indicates a problem with the key or the system, and the owner should contact the

dealer.

Lastly, the Turn Signal lamp, which is green, is an indicator of the direction chosen by the driver. It works in tandem with the left/right turn indicator, a buzzer, and arrow indicators on the instrument cluster and external lights. The hazard switch can activate both tell-tale lights simultaneously, irrespective of the ignition status, and it produces a tick-tock sound.

The table offers insights into the functionality of various warning lamps, their roles in indicating potential issues, and the actions required by the vehicle owner if they encounter any of these warnings.

Warning Lamps

Color

Indicator

Remarks

High Beam

Blue

The lamp comes on when the high beam headlamps are switched ?ON? or flashed.

Low Oil Pressure indicator

Red

Battery charging

Red

Airbag status

Red

The lamp comes on when ignition is switched ?ON? and goes ?OFF?. If it continuously blinks then contact the TATA MOTORS Authorized Dealer/Service Center immediately.

The lamp comes on when ignition is switched ?ON? and goes ?OFF? once

1.

required engine oil pressure is developed after starting the engine.

The lamp comes on when ignition is switched ?ON? and goes ?OFF? once

1.

If the low oil pressure indicator does not glow or remains ?ON? when the
2.

engine is running, it indicates a fault in the electrical circuit/lubrication system. Contact the nearest TATA MOTORS Authorized service centre to rectify the issue.

If the low oil pressure indicator does not glow or remains ?ON? when the
2.

The lamp comes on when ignition is switched ?ON?. Once engine is started, it turns ?OFF?.

If it remains ?ON? while the engine is running, it indicates that the battery is not getting charged or having the lower charge. In such cases attempt to charge the battery 3000 engine rpm for 15 min and see if battery telltale goes off after one ignition ON-OFF. Even after 15 minutes, charging the battery telltale keeps ?ON? then switch off all unnecessary electrical equipment and contact the nearest TATA MOTORS Authorized service centre.

Park Brake / Brake

Fluid Low / EBD mal-
function

Red

The lamp comes on momentarily when ignition is switched ?ON?. Once parking brake is released, it turns ?OFF?. If it remains ?ON?, then it indicates:

Brake fluid level is low.

1.

The lamp comes on momentarily when ignition is switched ?ON?. Once parking brake is released, it turns ?OFF?. If it remains ?ON?, then it indicates:

EBD malfunctioning.

2.

The table provides information on several warning lamps that can appear in a vehicle, each associated with a specific indicator and remarks to guide the driver's understanding and action.

The first lamp mentioned is the high beam indicator, which is blue in color and illuminates when the high beam headlamps are activated. A red lamp signals potential issues, such as low oil pressure. The low oil pressure indicator lamp should glow briefly when the ignition is switched on, and if it doesn't turn off shortly after the engine is started, it indicates a problem with the lubrication system that requires attention.

Another red lamp indicates battery charging status. It turns on with the ignition and should switch off once the engine is running. If it remains illuminated, it signifies a possible issue with battery charging, and a driver should attempt to charge the battery at 3000 engine rpm for 15 minutes and observe if the indicator turns off after a cycle of ignition on and off.

The airbag status lamp is also red and provides crucial information. It should glow when the ignition is switched on and then turn off. If it continues to blink, it's an indication of a potential malfunction, and the driver should seek assistance from an authorized dealer immediately.

There's also a multi-functional red lamp that signals three different issues: a low park brake, low brake fluid, and EBD malfunction. This lamp should turn off once the parking brake is released, and if it stays on, it indicates one of the aforementioned problems.

Understanding these warning lamps and their meanings is crucial for drivers, as they provide vital information about the vehicle's status and potential problems that need immediate attention.

Warning Lamps

Color

Indicator

Remarks

The lamp comes on when ignition is switched ?ON?. Once engine is started, it turns ?OFF?.

The Cruise Control is used to indicate the status of cruise control system to the driver. If the lamp is on, it indicates that the cruise control feature is activated.

The lamp comes on when ignition is switched ?ON?. Once engine is started, it turns ?OFF?.

If the engine overheats due to higher coolant temperatures, this indicator blinks along with an audible buzzer. Contact your nearest TATA MOTORS authorized service Centre immediately. When the engine coolant temperature reaches the maximum limit, the tell-tale lights blink with a RED colour and you will hear an audio warning.

Note: Do not 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.

The ABS warning lamp in the instrument cluster lights up when the ignition is switched on. It goes off after 2-3 seconds if system is healthy.

The lamp remains on if there is any malfunction in ABS. Normal braking system will be operational without assistance of ABS. Contact the TATA MOTORS Authorized Dealer/Service Center immediately.

Cruise Control lamp

(if available)

Green

High Coolant Temper-

ature

Red

ABS

Amber

SPORT (if available)

Amber

This symbol comes ON when SPORT driving mode is activated when more torque is required

The table provides information on various warning lamps and their functionalities in a vehicle, likely a car. These warning lamps are designed to indicate specific status or potential issues to the driver. The first entry relates to the cruise control lamp, which is green in color. It turns on when the ignition is switched on but should go off once the engine is started. If the lamp remains on, it indicates that the cruise control feature is engaged.

The second entry is about the high coolant temperature lamp, which is red. It also illuminates when the ignition is switched on, but should turn off once the engine starts. If the engine overheats, this lamp will blink along with an audible alert. The driver is advised to seek immediate assistance from a Tata Motors authorized service center and take necessary precautions when dealing with high coolant temperatures.

Moving on, the ABS warning lamp is amber in color and its behavior indicates the health of the ABS system. It lights up briefly when the ignition is turned on, and if it remains lit, it signifies a potential malfunction in the ABS. The normal braking system remains operational even without ABS assistance, but professional assistance is recommended.

Finally, the last entry refers to the sport mode indicator, which is also amber. It illuminates when the sport mode is activated, indicating the availability of increased torque. Overall, this table provides a summary of the meaning and functionality of these warning lamps, helping drivers understand and react to the indications provided by their vehicles.

Warning Lamps

Color

Indicator

Remarks

The lamp comes on when ignition is switched ?ON?. Once engine is started, it turns ?OFF?.

The symbol lights up continuously if fuel level in the tank is low. Fuel needs to be filled immediately.

Note: The tell-tale warning light will start flashing if there is any fault in the fuel system. Contact the nearest TATA MOTORS Authorized Dealer/Service Center immediately.

Low Fuel indicator

Amber

Driver Seat belt indicator

Red

Key Not Detected (if available)

Amber

This lamp comes on when the Valid Smart key is not detected inside the vehicle.

Amber

This lamp comes on with IGN ON till user presses the clutch pedal to start

the engine.

Water in fuel indicator

(Diesel)

Amber

The driver seatbelt warning indicator remains ON, when ignition is turned ON.

The warning lamp remains ON as long as the driver seatbelt is not fastened.

If seatbelt remains unbuckled and vehicle goes above 15 kmph, then final audio warning will go on for 90 seconds.

Note: Once the seatbelt is fastened the buzzer and warning lamp turns OFF.

Seatbelt reminder gets OFF when reverse gear is engaged.

Press Clutch Pedal to

Start Engine (if avail-

able)

The lamp remains on if excess water is accumulated in the fuel filter. When this lamp blinks along with chime contact the nearest TATA MOTORS Authorized Dealer/Service Center to drain the water immediately to avoid seri

The table contains information regarding various warning lamps that are present in the vehicle, along with their respective colors, indicators, and remarks. The first lamp mentioned is the low fuel indicator, which is amber in color. It provides a visual warning when the ignition is turned on, and lights up continuously when the fuel level is low, urging the driver to refuel immediately. If there's a

fault in the fuel system, the tell-tale warning light will flash, recommending immediate assistance from an authorized service center.

Another important indicator is the red Driver Seat belt indicator, which remains illuminated when the ignition is on and the driver's seatbelt is not fastened. It serves as a reminder to buckle up and provides an audio warning if the seatbelt remains unbuckled while the vehicle reaches 15 km/h. The seatbelt reminder turns off when the reverse gear is engaged.

There are also amber-colored lamps, such as the one that signals when the valid smart key is not detected within the vehicle, and another that prompts the driver to press the clutch pedal to start the engine. These lamps are designed to enhance the driver's awareness and ensure certain safety measures are followed.

Additionally, there's a water in fuel indicator, specifically for diesel vehicles. This lamp remains illuminated if there's an excess accumulation of water in the fuel filter. This could be a serious issue, and if the lamp blinks along with a chime, it signals the need for immediate action. Drivers are advised to contact the nearest service center to drain the water and avoid potential engine problems.

Overall, these warning lamps are crucial for both safety and maintenance, and their meanings and functions should be well understood by vehicle owners.

Warning Lamps

Color

Indicator

Remarks

ous damage to the fuel injection system.

Door Ajar lamp (if

available)

White / Red

All four door and Tail gate are indicated independently when the respective door or tail gate is open.

Front Passenger Seat

belt indicator

Red

Speed limit warning

indicator

Amber

Daytime

running

lamps DRL (if available)

Daytime

running

Green

The lamp comes on when ignition is switched ?ON?. Once engine is started, it turns ?OFF?.

This lamp comes on when the Daytime Running lamp is ?ON?.

Note: parking lamp should be on start the DRL lamp.

The co-driver seatbelt warning indicator turns ON when ignition is turned ON.

If front passenger seat is occupied by adult, the warning lamp remains ON as long as the co-driver seatbelt is not fastened.

If seatbelt remains unbuckled and vehicle goes above 15 kmph, then final audio warning will go on for 90 seconds.

Note: Once the seatbelt is fastened the buzzer and warning lamp turns OFF.

Seatbelt reminder gets OFF when reverse gear is engaged.

When the vehicle speed crosses 80 kmph, then speed limit warning indicator turns ?ON? along with an audio chime for every two minutes (audible warning).

The table contains information about various warning lamps found in a vehicle, along with their respective colors, indicators, and remarks. The first row mentions potential damage to the fuel injection system, which is indicated by a lamp of any color.

The Daytime Running Lamps (DRL), if available, are green in color and have a unique turning ON and OFF mechanism. They come on when the ignition is switched ON and turn OFF once the

engine is started. These lamps also activate when the Daytime Running lamp is ON. The DRL also has a note mentioning the relationship between the parking lamp and the DRL lamp.

The Door Ajar lamp, usually found in vehicles, comes in a White or Red color. This lamp indicates which of the four doors or the tailgate is open individually.

There is also a Red Front Passenger Seat belt indicator, which warns the driver about an unbuckled co-driver seatbelt. If the front passenger seat is occupied by an adult and the seatbelt is not fastened, the warning lamp remains ON. It's only when the seatbelt is buckled that the lamp and a corresponding buzzer turn OFF. This indicator has a notable exception when the reverse gear is engaged.

Lastly, there's an Amber-colored Speed Limit Warning Indicator, which alerts the driver audibly and visually when the vehicle surpasses 80 km/h. The audible warning sounds every two minutes, ensuring the driver is well aware of the speed limit.

Warning Lamps

Color

Indicator

Remarks

If vehicle speed crosses 120 kmph, the speed limit warning indicator flashes along with an audio warning continuously, until the vehicle speed is above 120 kmph.

If vehicle speed is between 80 kmph and 120 kmph, then the audio warning will become less frequent but the speed limit warning Indicator will remain ?ON? continuously. When the vehicle speed is reduced below 80 kmph, then the speed limit warning indicator and the audio warning will turn off.

ECO (if available)

Green

CITY

White / Blue

DPF (if available)

Amber

The lamp comes on when ignition is switched ?ON?. Once engine is started, it turns ?OFF?.

When ECO lamp is ON, it indicates the car is in ?Economy? drive mode, which helps to achieve a better fuel economy.

The lamp comes on when ignition is switched ?ON?. Once engine is started, it turns ?OFF?.

If CITY lamp is ON, it indicates ?City? drive mode, which helps to achieve op-

timum torque and fuel economy.

The DPF warning light or symbol switches ?ON? continuously to indicate that the DPF needs to eliminate the trapped pollutants (particulate matter) through the re-generation procedure. The warning light or symbol switch ?ON? only when driving conditions require the driver to be notified.

DPF ?ON? does not indicate a malfunction.

To switch off the warning light or symbol, keep the car running on road until regeneration is complete (ideally at 3rd gear, 50-80 kmph, with engine speed over 2000 rpm).

The process normally takes about 20 minutes.

The table provides information on the warning lamps that can appear in a vehicle, along with their respective colors, indicators, and remarks. The first row establishes the column headings for the table.

The speed limit warning indicator, which is characterized by a flashing amber light accompanied by an audible warning, alerts the driver when the vehicle speed exceeds 120 km/h. The indicator remains on continuously until the speed drops below 80 km/h. In between these speeds, the audio warning becomes less frequent but the visual indicator stays on.

The ECO lamp, which is green in color, signals the activation of the economy drive mode. This mode is designed to enhance fuel efficiency, and the lamp turns off once the engine is started. Similarly, the CITY lamp, marked by a white or blue color, signifies the engagement of the 'City' drive mode, which prioritizes torque and fuel economy. Both the ECO and CITY lamps illuminate when the ignition is switched on, but turn off once the engine is running.

The DPF lamp, colored amber, indicates the need for the diesel particulate filter to undergo regeneration - a process required to remove trapped pollutants. This warning is triggered only under specific driving conditions, and its activation does not imply a malfunction. To turn off the DPF warning, a driver would need to keep the vehicle running on the road under specific conditions such as 3rd gear, 50-80 km/h, and engine speed over 2000 rpm for approximately 20 minutes.

Overall, the data seems to be a guide to the various warning indicators a driver might encounter, along with their meanings and associated actions.

Warning Lamps

Color

Indicator

Remarks

The warning light or symbol remains off during the entire DPF regeneration procedure

If the procedure is not followed, MIL lamp will switch ON, along with DPF lamp on Instrument cluster.

Note: Please follow the above-recommended DPF regeneration procedure to avoid MIL lamp switch ?ON?.

In case, MIL lamp switch ON, please contact nearest TATA authorized service centre to restore DPF operation.

EPAS

Amber

AMT Fault (If available)

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.

Illuminates momentarily when ignition is switched ?ON?.

Illuminates continuously when there is a fault in Automatic

Manual Transmission system. Contact a TATA MOTORS authorized Service Centre immediately.

The table contains information regarding warning lamps and their respective indications and recommendations. The first entry warns that the light should remain off during a DPF regeneration procedure. If it doesn't, the MIL lamp will switch on, indicating a problem. To resolve this, one should follow the recommended DPF regeneration procedure, and if the issue persists, contact a Tata authorized service center.

The second entry refers to the EPAS warning lamp, which illuminates briefly when the ignition is turned on and persistently if there's a fault in the EPAS system. The text emphasizes the importance of immediate attention and contact with a Tata Motors authorized service center.

Lastly, the AMT Fault lamp illuminates momentarily upon ignition, but if it stays lit, it signals a problem with the automatic manual transmission system. Immediate action is recommended, and contacting a Tata Motors service center is advised.

This information provides insights into the meaning of warning lamps and the necessary actions to take in case of faults, with a focus on prompt attention and authorized service.

AUDIO REMINDERS (as available)

Key-in Reminder/audio Warning

If you forget the key inside the vehicle when you leave the ignition in ?OFF? position, an audio warning will sound. Remove key to stop the warning.

If no key is detected in the vehicle

If the vehicle is in ACC ON/IGN ON and the customer takes the smart key out of the vehicle and closes the last door, an audio warning will be sounded for nine times to alert that the key is not in the vehicle.

blinks when audio alarm is active.

Parking Brake ?ON? Reminder

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

Reverse Gear Reminder

If reverse gear is engaged, the buzzer sound will alert you.

Driver Seat Belt Reminder

If seatbelt is not fastened and vehicle goes

above 15 kmph, then final audio warning will go on for 90 seconds. Seat belt tell-tale light will blink when audio alarm is active.

Front Passenger Seat Belt Re-minder

If front passenger has not fastened seat-belt and if vehicle speed goes above 15 kmph, then final audio warning will go on for 90 seconds. Seat belt tell-tale light will

Door Open Reminder

If any door is open and the user tries to lock the vehicle, one flash with a beep sound will indicate that a door is open.

Engine Coolant Temperature High

Chime

The engine coolant temperature tell-tale warning light along with an audio warning will alert the driver if the coolant temperature is high.

Speed Limit Chime

When speed of the vehicle is greater than 80 kmph, an audio warning will sound at periodic interval of 120 seconds.

When vehicle speed crosses 120 kmph, continuous audio warning (beeps) will sound.

Drive Mode Chime

Parking Lamp ?ON? Reminder

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

NOTE

NOTE

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

Fasten the seatbelt to stop audio warning.

NOTE

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

to eco or eco to city, a single audio warning will sound.

Electronic Steering Column Lock

(ESCL) Chime

This feature informs the driver to rotate steering wheel when ESCL gets engaged accidentally.

WIF (Water in fuel)/FFC(fuel Filter

Clog) Chime

If water is detected in fuel buzzer shall sound to alert you.

Amt Fault Reminder

If Fault occur in AMT, 3 second audio warning will alert you.

COMBI-SWITCH (RH Stalk) (if available)

1. Left Turn Signal

Move the lever fully upward.

2. Right Turn Signal

Move the lever fully downward.

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

OFF Position

All lamps will remain ?OFF?.

Parking Lamp

Rotate stalk to turn ?ON?

the Parking lamps.

Low Beam

Rotate stalk to turn ?ON?

the Low Beam function.

Auto Light

The headlights will be automatically switched ON depending on ambient light conditions

NOTE

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

(while entering a tunnel or when it is too dark to see with the headlights).
light).

6. Day Time Running Lamps (DRL)

Day time Running Lamps

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

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, when the vehicle is stationary. Depending on the number of passengers and luggage in the vehicle headlamp focus may change. This can be adjusted by rotating the knob to one of the three level positions.

COMBI-SWITCH (LH Stalk) (if available)

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 five delay

timers. Push the stalk towards position (1)

for single wipe.

To activate and deactivate DRL, keep

1.

the ignition switch is ?ON? position and

switch the parking lamp ON-OFF

twice.

Activation and Deactivation of DRL can

2.

be done by DRL soft switch, which is

available on the Infotainment Display.

7. 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 for six

times, but the lever does not latch. The turn signal will flash six times automatically.

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

Auto Front Wipe

If your vehicle is fitted with rain and light sensor, the wipers will automatically wipe the windscreen, if it senses rainfall. Make sure that the wiper stalk is in Auto position.

6 Rear Wash And Wipe

Rear Windshield / Wiper And Washer
(spring return)

Turn the rotary knob clockwise
and release to operate rear
windshield wash and wipe. The wind-
shield wipers will operate for three cycles.

Rear Wipe

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

Pull the lever little longer, to
spray the washer fluid on
the windshield.

Rear Windshield/ Wiper And Washer Switch

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

ues to wipe.

The windshield wipers will operate for three cycles after the lever is released and for one more cycle after five seconds.

NOTE

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

NOTE

Rear wiper will not work as long as tailgate is open.

NOTE

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

DASHBOARD CONTROLS

Fascia switches are provided on driver side dashboard.

Front Fog lamp switch

1.

ECO mode

2.

Idle stop start switch (ISS)

3.

Front Fog Lamps (if available)

The front fog lamps are located on the front bumper. In poor visibility conditions due to fog, snow or rain, the fog lamps make visibility better and make it easier for other road users to see you. It turns to 'ON' when the fog lamp switch is turned on when the ignition is 'ON' and when the position and parking/ head lamp is 'ON'. An indicator on the instrument cluster will come on when the front fog light is 'ON'.

Fog Lamp As Cornering Lamp

The front fog lamps also function as cor-

Rain/light Sensor (if available)

The integrated rain and light sensor is mounted on front windshield glass to sense rain and light.

As per the input from sensor, the wipe and light functions will work automatically.

NOTE

When you reverse the car with front wipers in ?ON? condition, the rear wiper will also be ?ON? (if provided).

WARNING

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

nering lamps to light up the area to the side of the vehicle, making night-time parking and turning safer.

Eco Mode(if available)

Refer Starting and Driving section.

Idle Stop Start Switch (ISS) (if available)

Your car is equipped with push Button on right side of the dashboard to Enable OR Disable ISS function.

For more details refer ?starting & driving? section.

STEERING MOUNTED CONTROLS

(LHS) (if available)

1. Volume

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

2. Seek Forward/backward

Press above switch to change radio channels.

3. Receive Calls/PTT (Push to Talk)

Press above switch to accept

is connected via Bluetooth.

Voice Recognition

To start, press the voice activation button provided on the steering wheel. The system mutes/ pauses the currently played audio and you will hear a beep sound to indicate the activation of the voice recognition feature. The system displays the Voice Recognition screen on Infotainment to indicate activation of the feature.

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.

The system will start recognizing

For more information related to

steering mounted controls, refer the
infotainment manual. ((Refer link -
[http://service.tatamotors.com/con-](http://service.tatamotors.com/content/owners-manual)
[tent/owners-manual](http://service.tatamotors.com/content/owners-manual))if applicable)

For more information related to

4. Mute/phone Reject

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

5. Source

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

STEERING MOUNTED CONTROLS

(RHS) (if available)

Instrumentation Controls(IC)

1. Instrumentation Controls Scroll LH

Press above switch to scroll LH on Instrument Cluster display

2. Instrumentation Controls Scroll RH

Press above switch to scroll RH on Instrument Cluster display.

2. OK / Select & Long Press for Settings

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

3. Cruise Set (reset) Using Speed Increase (decrease) Switch

Press the cruise control master switch on steering wheel.

Accelerate the vehicle to the desired speed.

Make sure that the Clutch and Brake pedals are not pressed.

Press the ?SET? button on steering wheel switch to set the desired cruise speed. The cruise control indicator on instrument cluster will turn ?ON?.

Remove your foot from the accelerator

?

pedal.

Once Cruise control is activated the vehicle automatically maintains the stored speed.

desired speed and then pressing the ?SET? button (The cruise control indicator will turn ?ON? again).

5. Cruise Control Master Switch

Cruise speed can be resumed only if cruise control is deactivated by applying the brake. To resume the previously set cruise speed, accelerate the vehicle to a speed as per gear selected as below:

3rd gear approx. 30Kmph to 80Kmph

4th gear approx. 40kmph to 120Kmph

5th gear approx. 50kmph to 140Kmph

6. Cruise Control Deactivating Switch

There are two ways to deactivate cruise control:

Applying brake / clutch.

4. Changing the Set Cruise Speed

The set cruise speed can be adjusted using the buttons ?+?

(to increase) or ?-? (to decrease) on steering wheel.

The speed increases and decreases on a single press.

The changed speed will be shown on the speedometer.

Keeping the switch pressed increases or decreases the speed continuously till the switch is released or maximum/ minimum speed limit for particular gear is reached.

The set speed can also be increased by pressing the accelerator pedal till the desired speed is achieved and then pressing the ?SET? button.

The set speed can also be decreased by pressing the brake pedal (The cruise indicator will turn OFF) and slowing down to

Press deactivation switch on Steering Wheel.

NOTE

ment of required power and torque is not met, vehicle might come out of cruise control and manual intervention might be required. It normally happen

when vehicle runs at gradient and sharp turning with slope.

Minimum gear and speed requirements for setting the cruise.

NOTE

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

((Refer

link

-

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

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

((Refer

link

-

NOTE

When the vehicle will come out of cruise

automatically- when threshold require

MIC (if available)

Mic is provided near the roof lamp.

INFOTAINMENT SYSTEM DISPLAY

(if available)

Option I

Option II

NOTE

For more information, refer infotainment manual. Refer link -

<https://cars.tatamotors.com/service/owners/owners-manual>)

For compatible list of phones, refer link:

<https://cars.tatamotors.com/service/owners/phone-bluetooth-compatibility-with-car-infotainment-system>

SPEAKERS & TWEETER (if available)

Tweeter

1.

Speaker

2.

Speakers and Tweeters are available in models with infotainment system. Provisions are given for music system and speakers on versions without infotainment system.

Master /force Reset Process

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

To restart the infotainment system

Park the vehicle.

1.

Hold the Steering wheel Mute button

2.

(long press) for more than 10 secs and then release the button as soon as the display goes blank.

The step above will trigger the infotainment system restart procedure. Wait until the system restarts.

When you Hold the Steering wheel

4.
Mute button for more than 15 sec, system aborts restart process and display turns ON.

reset to synchronize vehicle settings with the TATA Infotainment System.

If the reboot does not work or master/force resets are required on a weekly or daily basis, vehicle shall be taken to dealership. There, the dealer can update your firmware or inspect the system for hardware problem.

Force/Master reset keeps the stored

data, such as call history, text message information, and previously paired phones as it is.

NOTE

It is preferable to do one Ignition
OFF to ON cycle after Master/Force

It is preferable to do one Ignition

USB PORT (if available)

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

POWER SOCKET (if available)

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.

For front passenger

For rear passenger

NOTE

Use of unapproved electrical accessories can cause damage to your vehicle's electrical system.

Use of unapproved electrical acces-

Make sure that any electrical accessories you use are de-signed to plug

into this type of socket and rating.

Make sure that any electrical acces-

ANTENNA

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

ROOF GRAB HANDLE

Option I

NOTE

Option II

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

Please keep vehicle Antenna position in maximum upward direction to get good quality Tuner reception.

ROOF LAMP

Interior roof lighting lamp is provided on the roof with inbuilt switch.

The switch has three positions:

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

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

When the key is turned to the 'IGN' position, the lamp goes 'OFF' immediately.

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

BOOT LAMP (if available)

Boot lamp is provided in the rear luggage

compartment to illuminate the luggage

area.

It will switch on whenever any door or tail-

gate is open.

FRONT LAMP

Position /Turn indicator lamp

1.

High beam lamp

2.

Front fog lamp (if available)

3.

Low beam lamp

4.

DRL (if available)

5.

TAIL LAMP

Reverse lamp (on LH lamp only)

1.

Stop lamp

2.

Position lamp

3.

Turn indicator

4.

High mounted Stop Lamp (CHMSL)

5.

STORAGE COMPARTMENT

&hTab

Glove box

1.

Driver side coin box

2.

Utility pockets on front doors

3.

Utility pockets on rear doors

4.

Tailgate Compartment (Luggage)

7.

Centre console

5.

Stowage for rear passenger

6.

Glove Box

Opening And Closing

To open - Pull the lever to open the glove box flap.

To close - Lift glove box flap until it engages.

Glove Box Illumination (if available)

The glove box lamp illuminates when the glove box flap is opened.

Stowage Detail (if available)

Cooling Facility (if available)

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

Following items can be stowage in glove box.

iPad

1.

Visiting card

2.

Pen holder

3.

Mobile Phone

4.

NOTE

Make sure that glove box flap is closed
while driving.

Driver Side Coin Box

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

Utility Pockets On Front Doors

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

Magazine / paper / books

1.

Suitable water bottle

2.

Utility Pockets On Rear Doors

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

Suitable water bottle

1.

Magazine / paper / books

2.

Umbrella

3.

NOTE

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

Center Console

Following items can be stowed in Center console.

Pen holder

?

Cup holder

?

Coin box

?

Cup Holder For Front Passenger

Space for cup holder are provided in centre console.

Stowage For Rear Passenger (if available)

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

NOTE

Applicable for models where rear vents

is not provided.

Tailgate Compartment (luggage)

Store the luggage in tailgate compartment.

You can keep suitcase, bags, etc.

Do not put any object on Luggage cover
as it may obstruct driver's rear visibility.

cause an injury to occupants.

NOTE

Luggage cover is designed only for hiding the luggage compartment.

WARNING

Distribute the items of luggage as
evenly as possible.

Distribute the items of luggage as

Position heavy loads towards rear
seat and low down in the trunk as
possible.

Position heavy loads towards rear

Do not allow occupants to travel in the luggage compartment.

Do not allow occupants to travel in

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

Do not place anything on luggage

HOOKS (if available)

Coat Hook

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

Collapsible Hook

Collapsible hook is provided for hanging small carry bags etc.

Carrier Hook

Carrier hook is provided for hanging small carry bags etc.

NOTE

NOTE

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

The coat hook is not designed to carry heavy objects or luggage items.

The coat hook is not designed to

Do not hang hard, sharp-edged or
fragile objects on the coat hook.

Do not hang hard, sharp-edged or

TAG HOLDER (if available)

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

FRONT SEAT BACK POCKETS (if available)

Rear pockets are provided behind the front seats for keeping small magazines /Note-book etc.

AIR DISTRIBUTION

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

AIR VENTS

Air vents are available on the dashboard.

The direction of air flow can be adjusted using sliders on the respective vents.

Centre Air Vents (Front)

ELECTRONIC

TEMPERATURE

CONTROL (ETC) (if available)

ELECTRONIC

TEMPERATURE

Side Air Vent (Front)

Air Distribution Mode -Center and side

1.

Air Distribution Mode- center, side and

2.

foot well

Air Distribution Mode -foot well

3.

Blower Speed Control

4.

AC ON/OFF Switch

5.

Air Distribution Mode- defroster & foot

6.

well

Max. Defrost button

7.

Fresh / Recirculation air mode

8.

OFF Switch

9.

1. Air Distribution Mode -center And
Side

This is to select the air distribu-
tion pattern directs air through the
center and side air vents.

2. Air Distribution Mode Center, Side
And Foot Well

This is to select the air distribu-
tion pattern directs air through
the center and side and foot well air vents.

3. Air Distribution Mode -foot Well

This is to select the air distribu-
tion pattern directs air through
the foot well air vent.

4. Blower Speed Control

Press the Blower Speed control down but-

5. Ac On/off

Press the button to switch ON/OFF the AC. The indicator lamp in the button will light up when AC is ON.

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

When desired temperature is achieved AC compressor will self-displace optimum refrigerant flow.

ton
to decrease the blower speed
and press the blower speed control up button
ton
for increase the blower speed.

speed up the cooling process and the desired vehicle interior temperature will be reached quickly.

Do not cover the air vents or air intake grilles in the vehicle interior.

If the AC is not used for a long period, such as during winter, it may not give the best performance when you start using it again. Operate the AC at least once a month to maintain optimum performance.

While you start the vehicle after a long duration (more than 15 days), follow the procedure for better AC performance:

Start the vehicle and allow the engine to idle for 2-3 minutes. AC should be off in this period.

Switch the AC on and run it for another 2~3 minutes while the engine idles. This circulates the refrigerant and oil to lubricate the internal parts of the air-conditioning system.

NOTE

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

NOTE

Condensate 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.

Condensate may drip from the un-

Ventilate the vehicle for a brief period during warm weather. This will

Ventilate the vehicle for a brief pe-

6. Air Distribution Mode- Defroster &

Foot Well

This is to select the air distribution pattern directs air through the foot well air vent and also through defrost.

7. Max. Defrost Button

This button directs the main airflow towards windscreen for faster defrosting. (It also overrides any mode selection you may have made.)

8. Fresh / Recirculation Air Mode

Press the switch to activate / deactivate air recirculation mode. Press to ?ON? or ?OFF?

9. Off Button

Press the OFF button to switch the system ?OFF?.

FULLY AUTOMATIC

TEMPERA-

TURE CONTROL (FATC) (if available)

FULLY AUTOMATIC

TEMPERA-

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

Rear window demister button

1.

Maximum Defrost button

2.

Air Distribution mode - Defroster

3.

Blower speed control down button

4.

Blower speed up control button

5.

NOTE

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

before driving.

For your safety make sure you have

When ?Air Distribution Mode - De-

froster & Foot Well? or ?Air distribu-

tion mode - Defroster? is pressed,

system may switch on AC and move

to

fresh

air

for

optimum

demisting/defrosting

Temperature control knob

6.

Auto ON selection button

7.

AC button

8.

Fresh Air / Recirculation button

9.

OFF button

10.

Display Unit

FATC display is shown on main display screen.

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

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

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

Fatc Controls

1. Rear Window Demister Button

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

3. 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.

2. Max Defrost Button

This button directs the main airflow towards windscreen for faster defrosting. (It also overrides any mode selection you may have made.)

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)

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 be-
fore driving.

NOTE

Directs air through the center
and side air vents

Rear Demister works only when Engine
is Running.

Directs air through the defroster
vents (Default fresh air mode)

The table outlines the various functions and features related to a car's climate control system, specifically referring to it as FATC (Fully Automatic Temperature Control). The system allows users to control the airflow distribution and temperature within the vehicle cabin. Starting with the Temperature Control Knob, it allows adjustments to the desired temperature. The Auto ON Selection Button likely enables an automatic mode for convenient operation. The AC Button activates the air conditioning, while the Fresh Air/Recirculation Button lets the driver choose between fresh external air or recirculated internal air. The OFF Button is self-explanatory.

The Display Unit showcases the climate information on the main display screen, and it's also mentioned that the FATC functions can be accessed and controlled through both the FATC control panel and the touchscreen display. The Rear Window Demister Button is employed to remove fog or condensation from the rear window. It's noteworthy that this function has a 15-minute continuous operation limit.

Another button mentioned is the Air Distribution Mode Button, which allows the driver to select the desired airflow mode. When in AUTO mode, the system regulates the airflow automatically, but users can override this with the MODE button, which cycles through different airflow modes with each press. The Max Defrost Button is dedicated to directing airflow towards the windscreen for faster defrosting, taking precedence over other mode selections.

Additionally, there's mention of a button that controls the airflow to the foot wells. The system remembers the previous settings and reverts to them once the Max Defrost Button is turned off. The safety note emphasizes the importance of maintaining a clear view through the windows before driving, indicating that these climate control features should be used safely. Lastly, it's noted that the rear demister function only operates when the engine is running.

7. Auto On Selection Button

To put the automatic climate control in fully automatic mode:

Press the ?AUTO? button.

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

8. Ac ON/OFF Button

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

9. Fresh Air / Recirculation Button

4. Blower Speed Control Down Button

Press the Blower Speed con-

trol down button to decrease

the blower speed.

5. Blower Speed Control Up Button

Press the Blower Speed con-

trol up button to increase the

blower speed.

6. Temperature Control Knob

Turning the temperature control knob

clockwise increases the temperature of

the air. The desired temperature will be in-

creased by steps of 0.5°C. User can select

temperature range from 18°C to 30°C.

Turning the knob in the anticlockwise di-

rection reduces temperature.

When you set the temperature to its lower

limit (Lo) or its upper limit (Hi), the system

runs at full cooling or heating only. It does-

n't regulate the interior temperature.

Set the desired temperature by turning

1.

temperature control knob. The display

will show all the functions during

?AUTO? mode.

The system automatically selects the

2.

proper mix of conditioned and / or

heated air that will, as quickly as pos-

sible, raise or lower the interior temper-

ature to your preference.

When the recirculation button or LED

1.

is switched ?ON?, air from the vehicle?s

interior is sent throughout the system.

When you set the temperature to its

3.

lower limit (Lo) or its upper limit (Hi),

the system runs at full cooling or heat-

ing only. It does not regulate the inte-

rior temperature.

Semi-automatic Operation

You can manually select various functions

When the recirculation button is

2.

switched to ?OFF?, air from outside en-

ters into the cabin (fresh mode). When-

ever discomfort is felt, switch to fresh

air mode.

A solar sensor on windshield glass at

1.

the top center.

Use recirculation mode for faster heating and cooling. However, keeping the system in recirculation mode - particularly when the AC is in OFF - can cause fogging of windows.

Outside Ambient Temperature (OAT)

3.

p

(

)

sensor located under the front bumper grill.

In-car sensor on HVAC control panel.

2.

sensor located under t
grill.

When reverse gear is selected, air inlet may switch to recirculation mode if it is in fresh air mode, to prevent exhaust

fumes from entering the cabin.

NOTE

In-car sensor on HVAC control panel.

2.

10. ?OFF? Button

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

Hvac Sensors

HVAC system is fitted with three sensors

NOTE

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

NOTE

Do not cover or spill any liquid on

sensors.

Do not cover sensor, this may cause the sensor to malfunction. This may lead to FATC not functioning to desired level.

Do not cover sensor, this may cause

Function And Setting

Knob Position

Button Position

(6)

(7)

(1)

(2)

(3)

(4)

(5)

(8)

(9)

Temperature

Auto

Blower

Down

Blower Up A/C

Fresh air/ recirculation

Normal heating

Desired Temp

Auto

OFF

OFF

D e s i r e d

Speed

As

de-

sired

OFF

To the extreme

right until temp

?HI?

OFF

OFF

OFF

NA

M

a

x

speed

AC ON

OFF

Desired

Speed

AC ON

ON

M

a

x

speed

AC ON

ON

Desired

speed

AC ON

OFF

M

a

x

speed

AC ON

OFF

Normal

Cooling

Desired

Tem-

perature

Auto

OFF

OFF

D e s i r e d

Speed

To the extreme

left until temp

?LO?

OFF

OFF

OFF

NA

OFF

As Desired ON

D e s i r e d

speed

OFF

As Desired ON

NA

To the right up,

to the desired

temperature

Functions

Settings

Functions

Control Knob Posi-

demister

M a x i m u m

Defrost

Air

distribu-
tion

Air

distribu-

D e s i r e d

Speed

As

de-

Quick heat-
ing

Desired

Tem-

Quick Cool-

ing

Demisting

To the right up,

to the desired

temperature

Defrosting

The table provides information on various vehicle functions and their corresponding settings. These functions are controlled by knobs and buttons positioned in specific locations. The first row labels the columns, providing a framework for the data that follows.

The vehicle functions include normal heating, quick heating, normal cooling, quick cooling, demisting, and defrosting. The settings associated with these functions are diverse, ranging from temperature control, air distribution, and desired speeds to the positioning of buttons and knobs.

For instance, the normal heating function allows the desired temperature to be set, with options to adjust the speed as desired. The quick heating function, on the other hand, heats the vehicle immediately and intensely until the temperature reaches 'HI'.

The normal cooling function operates similarly to normal heating, allowing the desired temperature to be set, while quick cooling focuses on cooling the vehicle rapidly by adjusting the temperature to 'LO'.

Demisting and defrosting functions require the control knob to be turned to the right, enabling the desired speed to be maintained. Overall, the table provides a comprehensive overview of how various vehicle functions can be tailored to specific settings, ensuring a customized driving experience.

Fully Automatic Temperature Control
(FATC) Adjusted By Infotainment
System

AC set in Auto mode

Blower Speed

FATC settings on Head Unit

PRE DRIVING CHECKS

Make Sure That

Daily Check

Windshield washer fluid level

Battery electrolyte level

Fuel level

Windshield, windows, mirrors, lights,
and reflectors are clean and unob-
structed.

Tyres for unusual wear, cracks or dam-
age and embedded foreign material
such as nails, stones, etc.

Traces of fluid and oil below vehicle.

Tool kit, jack & handle, warning trian-
gle, owner's manual, first aid kit and
vehicle documents are available and
stored at their locations.

All lamps, wipers, wiper blades and
horn for proper operation.

All doors, engine bonnet and tail gate

are securely closed and latched.

All switches, gauges and tell tales are

?

working properly.

Adjust

All occupants should always wear seat

belts or suitable CRS as applicable

while travelling.

Seats, head restraints and steering

wheel position.

Adjust all the mirrors before you start

?

the car.

Weekly Check

Engine oil level

?

Coolant level

?

Brake fluid level

?

Objects, luggage or loads are se-cured

correctly against slipping or tipping.

Rear seat is securely latched.

There is sufficient fuel for the trip.

NOTE

Tyre pressure should always be measured in cold conditions.

Do a check of the tyre pressure and condition after every 15 days, including the spare tyre.

NOTE

Water dripping below the car is normal.

This is due to the usage of air conditioning system.

WARNING

Do not put any mat on the floor carpet near control pedals area.

DRIVING TIPS

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

Operating conditions of your vehicle

?

Your personal driving style

?

Operating Conditions

fully.

Avoid frequent, sudden acceleration and braking.

Select appropriate gear according to varying speeds and load conditions.

Avoid frequent starts and stops as these actions increase the fuel consumption of the vehicle.

Always ensure correct tyre pressure.

Do not carry any unnecessary weight.

Switch ?OFF? the engine in stationary traffic or at signals.

Keep an eye on the vehicle's fuel consumption.

Regularly service your vehicle and adhere to the recommended service schedule.

Personal Driving Style

Do not press the accelerator pedal when starting the engine.

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

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. There is a risk of an acci-

dent.

Press the clutch fully while shifting the gears. The reverse gear should be engaged only when the vehicle is stationary. Trans-mission may get damage by trying to shift into reverse gear while the vehicle is moving. Wait for 5 seconds after declutching to ensure smooth engagement of the reverse gear or shift into one of the forward gears for a moment while clutch is pressed fully. This will avoid grinding of reverse gear while shifting.

NOTE

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

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

You could lose control of your vehi-

Make sure that vehicle is completely stationary before you attempt to shift in reverse gear.

Drive slowly on wet roads.

ice schedule of the vehicle.

Recommended

Fuel

Economy

Speeds

Recommended

Fuel

Economy

In places with high dust content. Clean the air filter element at every 5000 km.

Gear

Petrol

Speed(kmph)

Gear

Petrol

Anticipate the road conditions and drive in a smooth manner.

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.

Tips For Obtaining Better Fuel Efficiency

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 gears, opening up the throttle will increase the engine rpm while keeping the vehicle at lower speeds. This reduces the fuel efficiency of the vehicle.

55

75

95

Good Driving Practices

Slow down before you shift to a lower gear. This helps the engine to keep a lower rpm and result in less wear and tear of the engine components.

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.

Be in the maximum possible higher gear at a given speed. This reduces the engine operating speeds which 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.

Avoid frequent brake application which can cause overheating of brakes.

Slow down the vehicle when you drive in cross winds to get better control over the vehicle.

Keep the vehicle clean. Get rid of the unwanted stuff lying in the boot etc., to reduce weight.

Regularly inspect your vehicle for any leakages, worn out wires, damaged by rat bites etc.

Always follow periodic & regular serv-

Avoid high speed when cornering or turning.

Press the clutch fully while shifting gears.

Maintain healthy driving habits & while decelerating, do coasting in gear and not in neutral or with clutch pedal

The table contains data on the efficiency of fuel economy with regards to different gears and their corresponding petrol speeds. The highest speed recorded is 95 kmph in fifth gear, while the lowest is 20 kmph in first gear. There seems to be no data regarding second gear, however, there are speeds of 35 kmph and 55 kmph attributed to gears three and four respectively. It's worth noting that the speeds increase incrementally across the gears, with each subsequent gear reaching a higher maximum speed.

The other portions of the text provide tips on how to attain better fuel efficiency while driving, as well as general good driving practices. Some of these include avoiding excessive acceleration in lower gears, maintaining proper tire pressure, and anticipating road conditions to drive smoothly. There are also recommendations for situations such as driving in crosswinds, cornering, and braking without causing unnecessary wear and tear to the vehicle. Overall, the message seems to be a guide to economical and safe driving, emphasizing the importance of gear shifting and vehicle maintenance.

Use the car AC only when you require.

For cooling, keep the blower speeds

low, as at higher blower speeds, the

AC consumes more electric power

which is ultimately drawn from engine

by burning fuel.

gine too much. This is done by changing

gears early for the first 1,500 ? 1,800 km.

This will increase the life of the engine.

The more you look after the engine when

it is new, the more satisfied you will be with

its performance in the future.

Do not exceed the following road speeds

during running in period.

SEAT ADJUSTMENTS

Front Seat Adjustments

Following seat adjustments can be carried

out manually.

Backrest recliner adjustment lever

1.

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).

Gear

Petrol

Speed(kmph)

When you drive on highways, close all the windows. This reduces the drag on the vehicle and improves fuel efficiency.

Do not over speed. Follow the speed ?

limits. With increasing speed, the engine rpm increases to overcome external air resistance and this reduces fuel efficiency.

Running-in Period

The purpose of running in a car is to give time for the mechanical parts to settle so that they work efficiently. This involves

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

ciously.

Seat height adjustment lever (if avail-

2.

able)

Seat forward / rearward adjustment

3.

lever

20

35

55

75

95

NOTE

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

WARNING

The table provides a correlation between gear speeds and their corresponding petrol speeds. In this regard, gear one corresponds to a speed of 20 kmph, gear two to 35 kmph, gear three to 55 kmph, gear four to 75 kmph, and gear five to 95 kmph. Thus, the data suggests that as the gear number increases, the vehicle's speed increases accordingly.

This information can be useful for drivers who want to adhere to specific speed limits or for understanding the impact of different gears on fuel consumption and vehicle performance.

Head Restraint (if available)

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

Seat Height Adjustment (if available)

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

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

Seat Forward/rearward Adjustment

Lift lever (3) and slide the seat forward or to the rear. Release lever and make sure that seat is securely latched.

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.

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

NOTE

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

NOTE

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

WARNING

Do not travel in a moving vehicle with the seat backrest in an excessively reclined position as this can be dangerous.

Rear Seats

Rear seat folding

Rear Seat Folding (complete Seat
100%)

Front Passenger Seat Sensor

An occupant detection sensor is installed in the front passenger seat to detect whether the seat is occupied or not and if occupied, it will activate the seat belt reminder warnings. The sensor does not have any control on the deployment of airbags.

affect the performance of the sensor.

WARNING

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

WARNING

Any modification in the seat material or

addition of seat cover may damage or

To fold the seat:

Press the backrest release knobs provided on both sides at the same time.

Fold the backrest seat forward. Move the driver and front passenger seat forward if necessary.

Objects or loads in the trunk cannot be restrained by the seat backrest. There is an increased risk of injury.

Objects or loads in the trunk cannot

Before every trip, make sure that the seat backrests and the rear bench seat/rear seat are engaged and securely latched.

Before every trip, make sure that the

WARNING

If the rear bench seat and seat backrest are not latched properly, they could fold forwards during hard

braking or in the event of a collision.

If the rear bench seat and seat

The vehicle occupant would thereby
be pushed into the seat belt by the
rear bench seat or by the seat back-
rest. The seat belt can no longer
offer the intended level of protection
and could even cause injuries.

The vehicle occupant would thereby

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 you drive at night, set the selector tab to select anti-glare mode (if available) to reduce glare from the headlights of vehicles behind you.

Motorized ORVM Adjustment (if available)

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

To Adjust The Mirrors:

Outer Rear View Mirrors (ORVM)

You can adjust the outer rear view mirrors manually (By hand) or remotely by knob.

Adjust the outside rear view mirrors to desired position.

Move the mirror selection switch to L

1.

(for left side) and R (for right side) to select the mirror you wish to adjust.

Use the four positions of the knob to

2.

adjust the rear view mirrors to required position.

NOTE

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

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.

ORVM FOLDING (as applicable)

Option 1: Manual Folding

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

Option 2: Auto Folding By Smart Key

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

be reactivated after delay of 2 mins. During that period avoid repeated pressing of Switch.

Option 3: Auto Folding By Knob

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

This will operate when the ignition switch is in the ?ACC? or ?ON? position.

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

In case to repeated usage, Mirror Folding/Un-folding will stop functioning and will

SUN VISORS (if available)

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 restainer. Swing the sun visor to the side.

Vanity Mirror (if available)

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

ELECTRIC

POWER

ASSISTED

STEERING (EPAS)

ELECTRIC

POWER

ASSISTED

Steering System is tuned in such a way that steering effort will slightly get heavy at high speed to have better control on vehicle whereas it will get lighter at low speed to reduce the driver effort in parking.

In EPAS system, the steering effort be-

comes heavier as the vehicle speed increases and becomes lighter as the vehicle speed decreases for better control of the vehicle at different vehicle speeds.

If the engine is ?OFF? or if the EPAS system becomes inoperative, the vehicle still can be steered with more steering effort.

This EPAS system is available with the following assist features

Speed sensitive assist control

1.

Active return control

2.

The steering wheel may not un-lock normally in some cases when ignition key turned ?ON? or ?ISS? 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 ISS button.

The steering wheel may not un-lock

Contact the nearest TATA authorized service center if in case of the

above scenarios.

Contact the nearest TATA author-

WARNING

Below are the symptoms of the system malfunction. Then, take your vehicle to the nearest TATA MOTORS service center and have the EPAS system checked as soon as possible.

The EPAS warning lamp illuminate.

?

Below are the symptoms of the system malfunction. Then, take your vehicle to the nearest TATA MOTORS service center and have the EPAS system checked as soon as possible.

EPAS motor noise may be heard when the vehicle is driven at low speeds.

EPAS motor noise may be heard

If the EPAS system does not oper-

ate normally, the warning light will il

If the EPAS system does not oper-

NOTE

A click noise may be heard from the
EPAS relay after the ignition switch
is turned ON or OFF position.

A click noise may be heard from the

STEERING WHEEL ADJUSTMENT

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

The Tilt lever is located offset to the steering column.

To Adjust The Steering Wheel

Pull Tilt lever up completely to lock the

4.

steering column.

Pull Tilt lever up completely to lock the

4.

Make sure that steering wheel is fixed

5.

at desired position by gently pushing the wheel in up & down direction.

Make sure that steering wheel is fixed

5.

Adjust the seat to a comfortable posi-

1.

tion.

Push ?Tilt lever? completely down to

2.

unlock the steering column.

Adjust the steering wheel to the de-

3.

sired position.

illuminate on the instrument cluster.

The steering wheel rotation may become difficult to control or operate.

NOTE

After adjustment, sometimes the lock Tilt lever may not lock the steering wheel.

After adjustment, sometimes the

It is not a malfunction; this occurs when there is mismatch in gear teeth engagement of tilt mechanism. In this case adjust the steering wheel again & then lock the

It is not a malfunction; this occurs

Steering wheel.

NOTE

When adjusting the steering wheel,
make sure that:

You can operate control pedals

p

without any obstacles.

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

You can see all the displays in the

STEERING LOCK AND IGNITION

SWITCH (if available)

The ignition switch has the following four positions:

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 available)

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

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, put the key in the slot and turn it clockwise to one click (ACC).

WARNING

Before you start the car, make sure the steering wheel position is locked. Do not unlock or adjust the steering wheel while the vehicle is in motion.

NOTE

To prevent serious accidents , the steering effort may Increase suddenly in case if the operation of the EPAS system detects Malfunction during self diagnosis.

To prevent serious accidents , the

When steered for a prolonged period, the steering effort will increase to prevent overheating and damage to the steering system.

When steered for a prolonged pe-

STARTING AND STOPPING (with- out PEPS)

Starting The Engine

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

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

the engine. Before switching off the engine, run the engine at idle speed for 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.

Starting Off

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

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

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

Stopping The Vehicle

For vehicle equipped with turbocharger,
turn the key to ?ACC? position to switch off

secs.

For vehicle equipped with turbocharger, after you start the engine, run the engine at idle speed for 30 seconds. Do not press accelerator pedal while starting the engine to avoid damage to the turbocharger.

WARNING

Do not switch off the ignition while driving.

Do not switch off the ignition while

For vehicle equipped with turbocharger, do not switch the engine off when it is running at high speed.

This will lead to premature turbocharger bearing wear.

For vehicle equipped with tur-

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.

If you switch off the ignition while

NOTE

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

The Starter protection system fit-

NOTE

NOTE

When shifting or starting off, do not race

the engine. Racing the engine can shorten engine life and affect smooth shifting.

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

The Starter protection system

STARTING AND STOPPING (PEPS)

(if available)

Engine Passive Start/stop

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

Start/stop Button

The start/stop button 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.

Backup Start

To start the engine when smart key battery voltage is low, the user needs to press start/stop button two times with an interval of 2.5 seconds after pressing the clutch with valid smart key near immobilizer antenna (on key symbol in Centre Console).

Emergency Start

If the engine is switched from ON to OFF and start/stop button is pressed with clutch pressed within 5 seconds, engine gets cranked.

NOTE

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 smart key is inside the vehicle and

If ESCL (Electronic Column Steering Lock) is not unlocked properly, then vehicle doesn't go into ACC mode

If ESCL (Electronic Column Steering

NOTE

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

ENGINE PASSIVE START - CONDITIONS

Single Press Start

Step 2

Engine will remain OFF but all electri-

3.

cal equipment and infotainment system can be used.

Engine will remain OFF but all electri

3.

Press the clutch pedal and then press

1.

start/stop button to start the engine.

Step 3

Bring the smart key with you and sit in

1.

the driver seat.

Green colour LED on start/stop button

2.

will turn ON.

Press the clutch pedal and then press

1.

start/stop button to start the engine.

Once engine start successfully, green

3.

colour LED on start/stop switch will remain ON.

Three Step Start

Step 1

Press the clutch pedal and then press

2.

the start/stop switch.

Green colour LED on start/stop button

2.

will turn ON.

Green colour LED on start/stop button

3.

will turn ON.

Once the engine is started success-

3.

fully, the green colour LED on

start/stop button stays ON.

Once engine is started successfully,

4.

the green colour LED on start/stop button stays ON.

Two Step Start

Step 1

Have the smart key with you and sit on

1.

the driver's seat.

Press the start/stop button without

2.

pressing clutch pedal.

Have the smart key with you and sit on

1.

the driver's seat.

Amber colour LED on start/stop button

3.

will turn ON.

Limited information will be displayed

4.

on instrument cluster and steering will
be unlocked. Engine remains OFF.

Step 2

Press the start/stop button without

2.

pressing clutch pedal.

Amber colour LED on start/stop switch

3.

turns ON.

Engine will remain OFF and all electri-

4.

Press the start/stop button without

1.

pressing clutch pedal again.

g

cal equipment and infotainment sys-

tem can be used. Steering is

Green colour LED on start/stop button

2.

will turn ON.

ENGINE PASSIVE STOP - CONDITIONS

Single Press Stop

IGN is ON and engine is running.

?

GEAR SHIFTING

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

Press the start/stop button with or with-

?

out clutch.

ACC and IGN turns OFF.

?

LED on start/stop switch turns 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.

Press the start/stop button for more than three seconds.

IGN returns OFF, ACC remains ON.

Amber colour LED on start/stop switch turns ON.

ing any door handle switch and if PEPS detects that the smart key is left inside the vehicle, an audio warning/ chime is sounded.

NOTE

If clutch pedal is pressed for more than 3 minutes, then release the clutch/brake pedal and again press clutch/brake pedal with start stop button to crank the engine.

NOTE

Gear recommendation is displayed when the clutch pedal is fully released.

Gear recommendation is displayed

If 'F' is displayed in DIS of instrument cluster, it means 'Fault' condition. Contact TATA MOTORS

If 'F' is displayed in DIS of instru-

WARNING

When vehicle is in OFF mode (ACC, IGN and Crank OFF) and user tries to lock the vehicle from outside by press

REVERSE GEAR

To engage reverse gear, shift to reverse position as shown on the gear lever knob.

DRIVING

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 a smooth slope 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 side-ways slippage, possibly resulting in toppling over. If unavoidable, choose a mild angle and keep the vehicle moving.

If the tyres start to slip within few feet at the end of the climb, keep the vehicle stable by steering left and right. It gives increased grip to the tyres.

If the vehicle stalls or losses headway while climbing a steep hill, make a quick

Authorized Dealer/Service Center.

Press the clutch fully when gear shifting. The reverse gear should be engaged only when the vehicle is stationary.

Use the clutch only to shift gears and do not use it when vehicle is stationary on a slope, as the car will roll down due to gravity.

If all doors are closed when the vehicle is in ACC/IGN/RUN mode and if PEPS does not detect the smart key inside the car, then an audio warning is given.

Do not rest your hand on the shift lever during driving; Pressure transmitted from your hand may result in premature wear of the transaxle internal gear shift mechanism

shift to reverse and allow the vehicle to move back with the help of engine braking.

Descending Sharp Gradients

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

Brake gently in such situations.

AUTOMATED MANUAL TRANSMISSION (AMT) (If fitted)

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

Put the ignition ?ON?

2.

Automated mode with the gear lever in

1.

position ?A?.

While the brake pedal is pressed, bring

3.

the shifter lever to Neutral - ?N?. Check ?N on instrument cluster.

Crank to start the engine with the brake pedal still pressed.

Manual mode with the gear lever in po-

2.

sition ?M?.

Starting

Engage the parking brake firmly. Press

1.

Brake pedal.

WARNING

When descending on sharp gradients, do not turn the ignition key to the ?OFF? position. The braking assist and steering assist may malfunction and the emission control system may be damaged.

NOTE

If push button is pressed with brake pedal is pressed and gear is in A mode, the vehicle will not start. It will start within 10 seconds if gear shifter is

moved from A to N with the brake pedal

Gear Shifter Driving Modes

Neutral

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

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 'A' position, the gear will be down shifted to '1st' when the vehicle stops. Also, if the gearshift lever is in the 'M' position, the gear will be down shifted to '1st' when the vehicle stops.

Reverse

Reverse gear will be engaged only when vehicle is stationary and brake pedal pressed. An audio signal indicates when

reverse gear is engaged.

will be indicated on instrument cluster.

continuously pressed.?

is in motion.

NOTE

?Auto? mode will give optimum engine Torque and Power output. Drive the vehicle in ?Auto? mode to get max fuel economy.

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

WARNING

Always make sure to keep the gear shift lever in the ?N? position, when the engine is running and vehicle is stationary.

Always make sure to keep the gear

Do not shift the lever in ?N? position,
even momentarily, when the vehicle

Do not shift the lever in ?N? position,

Auto Mode

Auto mode will be engaged only when vehicle is stationary and brake pedal pressed. An audio signal indicates when

Manual Mode

Shift gear lever to left for engaging manual mode. An audio signal indicates when

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 gear.

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

Automatic gear is engaged.

will be indicated in instrument cluster.

Gear Upshift and Downshift will be done automatically while driving.

manual mode is engaged.

will be in-

dicated in instrument cluster.

In manual mode, driver should select the

desired gear by shifting lever to,

+ Upshift the gears.

In manual mode, gears are not shifted au-

tomatically unless the engine RPM thresh-

old is reached.

Creeping Feature

Creeping function allows the car move-

ment without accelerator Pedal pressed

when the brake pedal is released.

- Downshift the gears.

NOTE

Down shifting of gear occurs automati-

cally while braking/engine rpm reduc-

tion.

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.

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

With the engine running and brake

1.

pedal pressed, depending on your requirement shift the lever on R, D or M.

Check the position engaged on the Instrument Cluster display.

Release the parking brake.

2.

Release the brake pedal and press the

3.

accelerator pedal gently.

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.

NOTE

Creeping function will not operate when vehicle is in standstill condition on in-

clined surface.

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.

If

displayed on the Instrument Cluster

Amt Instruction Sticker

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

Parking

AMT does not have a parking position.

The vehicle can be parked with the gearshift lever in any position.

Apply the parking brake firmly.

1.

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.

Turn the key to ?ACC? position to switch

3.

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.

Press the brake pedal and shift the

2.

gearshift lever to the 'R' position on a downhill slope, or to the Auto 'A' mode or the 'M' position in the manual 'M'

NOTE

The AMT vehicle will shift itself into Neutral as a precautionary measure, if the vehicle is stationary and one or both of the front wheels spin on a low friction surface (e.g. Snow, mud, soft sand etc).

AMT symbol will glow in the instrument cluster indicating an intervention from the Transmission Control Unit.

Following steps need to be carried out sequentially in order to manoeuvre the vehicle in such a situation.

Shift the gear shift lever to Neutral

1.

g

position and switch the ignition off.

Press the brake pedal and crank the

2.

engine again.

Press the brake pedal and crank the

2.

With the engine running, shift the

3.

gear position in Auto mode.

With the engine running, shift the

3.

March the vehicle with low input

4.

from the accelerator pedal as this
will ensure that the wheels do not
spin.

March the vehicle with low input

4.

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.

STARTING THE ENGINE

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

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

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

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 pe-

riod of time, this can also cause excessive damage to the clutch.

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.

This could cause the brakes to over-heat, resulting in reduced braking efficiency. Failure to take this precaution could result in loss of vehicle control.

WARNING

WARNING

The engine emits poisonous exhaust gases such as carbon monoxide. Inhaling these exhaust gases leads to poisoning. There is a risk of serious health

problems. Therefore, never leave the engine running in enclosed spaces without sufficient ventilation.

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

NOTE

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

WARNING

Try not to hold the brake pedal down too long or too often while going down a steep or long hill.

BRAKING

Your vehicle has vacuum 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.

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

After you drive through water or if you wash the underside of the vehicle, test the brakes at slow speeds to see if the brakes work fine. If the brakes are less effective than normal, dry them by repeatedly applying the brakes at slow speeds until the brakes have regained their normal effectiveness.

Check traffic conditions before doing the above activity.

Braking On Downhill Gradients

When you drive on downhill slopes, reduce the load on the brakes by shifting to a lower gear. This is called as engine braking and aids to reduce overheating and wear of brakes.

p

p

the accelerator pedal at the same time.

WARNING

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

There is an increased danger of skidding and accidents.

There is an increased danger of

WARNING

Do not use the brake pedal as a footrest.

Do not use the brake pedal as a

If you rest your foot on the brake pedal while driving, the braking system can overheat and cause fading

of brake pads. This in-creases the
stopping distance and can even
cause the braking system to fail.

There is a risk of an accident.

If you rest your foot on the brake

Do not press the brake pedal and

Do not shift to lower gears on a slip-
pery road surface to in-crease the
engine?s braking effect. By doing so,
the tyres could lose their grip.

Do not shift to lower gears on a slip-

DRIVE MODE

CURRENT GEAR INDICATION

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

.

Drive Mode

Performance

Increased engine

Optimum engine

Drive mode selection

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.

According Engine type the car is equipped with ?City? (Default) and ?Eco?.

City is being default mode in each ignition cycle.

CITY

g

Torque and Power

q

output for BAL-

p

ANCED perform-

p

ance

ECO

p

g

Torque and Power

q

output for FUEL

p

EFFICIENT per-

p

formance

The table details the different drive modes and their corresponding effects on vehicle performance. There are two modes, 'City' and 'Eco', which alter the engine torque and power output. 'City' mode increases engine performance for a more balanced and responsive driving experience. It is the default mode and engages each ignition cycle. On the other hand, 'Eco' mode focuses on optimizing engine output for maximum fuel efficiency, which is ideal for more economical driving. The drive mode selection switch is conveniently located on the center console, allowing the driver to choose the desired mode based on their requirements.

The table also mentions the indication of the current gear position in the Driver Information display (DIS) within the Instrument Cluster. This feature ensures the driver is aware of the engaged gear, providing a comprehensive driving experience. The ability to select the drive mode allows the driver to adapt the vehicle's performance to their preferences and driving conditions, offering a customizable and versatile driving journey.

GEAR RECOMMENDATION

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

or

.

IDLE STOP START (ISS) (if available)

ISS function

Idle Stop Start system is a Green Environment initiative.

Your vehicle is equipped with fuel saving ISS feature to shut off the engine to conserve fuel and emit less carbon dioxide.

Working

Starting the vehicle initially will be by conventional method (key start or push button start). When the vehicle is stationary and engine is idle (in a traffic light, traffic jam, toll gate, etc.) it will turn-off automatically.

When the clutch pedal is pressed, the engine will restart automatically. Engine may also restart automatically without Clutch pedal press due to other preconditions which are captured below.

Sequence Of Functions

Green signal), Press Clutch pedal to start.

belt is not fastened)

Driver door is open

?

Any system fault

?

Warning light will be displayed on the instrument cluster to indicate the healthy status of this function.

Special Feature Of Automatic Restart

This system is equipped with a special feature of Automatic Restart. Under certain

conditions, the Engine will automatically restart on its own in order to meet your Safety and Comfort requirements.

This can occur especially when the vehicle is standstill and following conditions occurred,

Battery is being discharged too low.

?

Engine will automatically start when

6.

Clutch is pressed fully.

This system enables the ISS functions automatically when Ignition is turned ON. If you do not want to use this feature, you can switch it off by pressing the ISS OFF switch provided in the vehicle.

Following Conditions Will Prevent Iss

Function Standby / Not Enabled

Engine hood (bonnet) is open

?

Reverse Gear is engaged.

?

Vehicle started through Ignition key or

1.

Push button switch.

Vehicle is in standstill and Engine is

2.

running.

Vehicle moves forward and exceeds

3.

speed threshold values.

Vehicle started rolling forwards/ back-

wards

When vehicle is to be stopped (sce-

4.

nario: Red signal), press the brake and

then, press the clutch. The vehicle

comes to a halt. Shift the gear to neu-

tral and release the clutch. Engine will

be automatically stopped.

When you want to move (Scenario:

5.

Brake has been pressed repeatedly for

several times/brake Pressure too low

Outside temperature is too low or too

high

Battery system is unhealthy

Engine coolant temperature is too low

Driver presence is not detected (Seat

When the Cabin temperature is too

hot/too cold

Defrost button is pressed

NOTE

met. Do not panic and follow the messages on the display to understand the event.

Do not remove the Battery Sensor from Battery. Removal of Battery sensor will result loss of function.

Function will be automatically restored when the vehicle is parked for a period of three hours.

In the event of traffic, ISS function may work with delay in auto-stop which is intended logic.

Use a battery sensor that has been approved by Tata Motors. Otherwise your ISS function may not work as intended. Contact nearest Tata Motors authorized dealer for battery sensor replacement.

Engine will be automatically started again when the following safety conditions are met: driver presence,

gear in neutral, bonnet and doors should be closed. In case if any of these criteria are not met, a message will pop-up on the screen to indicate the user to start the car manually.

To fill up fuel, the engine must be stopped by turning OFF the ignition key / ISS button.

Switch the engine off before you perform any operation in the engine compartment.

Your vehicle is equipped with ISS function which may automatically Stop and Restart the engine. Do not panic and follow the messages on the display to understand the event.

Your vehicle is equipped with ISS

Use an alternator that has been approved by Tata Motors. Otherwise your ISS function may not work.

Contact nearest Tata Motors authorized dealer for alternator replacement.

Use an alternator that has been ap-

ISS will be available only when driver's seat belt is fastened at all times.

ISS will be available only when dri-

Use a battery that has been approved by Tata Motors. Otherwise your ISS function may not work as intended. Contact nearest Tata Motors authorized dealer for battery replacement or any issues in battery.

Use a battery that has been ap-

ISS function may not be active when the Safety (Example: Seat Belt) and Comfort (Example: AC in high demand) conditions are not

ISS function may not be active

5. Whether AC will work when the Engine is in Idle stop start mode?

No. AC function will not be available when the Engine is in Idle stop start mode. Only Blower will be functional.

6. How to start the Engine if feeling too hot / too cold when Engine is in Idle stop start mode?

In the event of higher temperature difference, Engine will automatically restart without any user input. As an alternate user can start the Vehicle by pressing the Clutch pedal fully.

7. What will happen If press the Clutch continuously in traffic signals?

restart when the Vehicle in Gear condition?

No. Idle Stop and Start function will not work when the Gear level is not in Neutral.

Smart Alternator Management

Smart Alternator management (applicable if equipped with Intelligent Alternator Control feature) ? a Green Environment initiative.

Your vehicle is equipped with fuel saving smart alternator management system to

recuperate the brake energy to charge the Battery to help conserve fuel, CO2.

Frequently Asked Questions

1. What are the advantages of this feature?

This feature helps to reduce the fuel consumption, CO2 emission by automatically shutting down the Engine when the Vehicle is in standstill conditions like traffic signal, Traffic jam, etc.

2. When the Vehicle is in Engine Idle stop start Phase, how can I start the Vehicle to move?

Simply press the Clutch fully down to Start the Vehicle. No need to use Key / Push Start Switch.

3. Can I start the Engine only by pressing the Clutch Pedal for the first time when I enter in Vehicle?

No. Always the first start has to be through Ignition Key or Push button.

4. How can I activate / deactivate this feature?

This feature will be active as default when Ignition is ON. If you wish to switch it OFF,

press the ISS switch.

System will not shut down the Engine automatically when the Clutch is pressed continuously.

8. Whether I am allowed to crank the Vehicle normally when the system is in Idle stop start mode?

Yes. You can perform the normal cranking by switching off and Switch ON the Ignition Key / Push button.

9. Whether the vehicle will stop and

Working

When the Vehicle is running, if the acceleration demand is higher than threshold, smart alternator management system will allow the Battery discharge to reduce the load on the Engine.

When the Vehicle is in deceleration and the accelerator demand is lower than threshold, smart alternator management system recuperates the brake energy and charges the Battery.

Battery discharge and charge behavior is dynamic behavior during the Vehicle running.

Following Conditions Will Prevent

Smart Alternator Function Standby /

Not Enabled

Alternator function

Head Lamp ON (Low / High)

Battery System is unhealthy

Any System fault.

Frequently Asked Questions

1. What are the advantages of this feature?

This feature helps to reduce the fuel consumption, CO₂ emission by balancing the Battery discharge and charge during the Vehicle running.

2. Do I need to adjust my driving pattern to enable this function?

No. This smart function will automatically perform this smart alternator function and adjust to your driving pattern.

3. Is there any issue to my Battery charging due to this function when I follow aggressive driving cycle?

No. This smart function is capable enough to manage the Battery charging according to your drive cycle.

4. Do I see any variation in my head lamp performance when the Battery charge / discharge behavior which is dynamic?

5. Do I see any perceivable variation in my system function when this function executed?

No. This smart function won't create any

functional issue to the vehicle system.

You may see some difference in air flow of blower when it is in higher speed when this function is active. But this won't affect the quality of the vehicle function.

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. The parking brake tell-tale light comes on in the instrument cluster.

No. This smart function will accommodate the charge / discharge behavior according to the head lamp status.

WARNING

Deactivate the Idle Stop Start (ISS) function for any operation to be performed in the Engine compartment.

VEHICLE PARKING

Park the vehicle in a safe place. Switch on the indicator signal before turning to park.

Apply the parking brake.

Make sure 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.

Parking brake released

To release it, pull the lever up slightly, press the release button and push the lever down. The parking brake tell-tale in the instrument cluster will turn ?OFF? when the lever is fully released.

Use wheel chocks if the vehicle is parked on a slope.

erate the vehicle?s equipment. There is

a risk of an accident and injury.

NOTE

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

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.

NOTE

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

WARNING

Never leave children unsupervised in
the parked vehicle. They could also op

REVERSE PARK ASSIST WITH

SENSOR (if available)

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

Always look out for kids, pets and elderly people behind the vehicle before reversing.

There are ultrasonic sensors placed on the rear bumper. Number of sensors may vary depending on the variant.

Once the system is activated, the sensors will detect how near the obstacle is from

the bumper, and this information would be displayed on the vehicle's infotainment system. In base variants, only audio warning shall be given through a buzzer.

that RPAS system is faulty. The owner should, in that case, go to the nearest dealer for rectification.

Park Assist Indications

In case reverse park assist system malfunctions, the following message may appear on the infotainment screen.

Reason for this fault may be

Park Assist Controller / Body Control

1.

Module Failure?

Sensor Malfunction

2.

Approximate

Partner component such as Reverse

3.

park assist system is failure.

Operation

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

25 ? 40

Continuous Beep

41 ? 80

Fast Beep

81 ? 120

Slow Beep

Variant where infotainment display is not present and audio warning is given through a buzzer, on activating the Reverse Park Assist system, a tone will be played within first two seconds to indicate the proper functioning of the system. After these two seconds, normal functioning of the system will continue. If no tone is heard for first two seconds, it shall mean

WARNING

Due to ultrasonic sensor technology limitation, detection of obstacles from 0-25 cm is not guaranteed.

pp

Distance From

Bumper (in Cm)

Tone Information

The data describes the reverse park assist system of a vehicle and how it responds to obstacles at different distances. The system uses ultrasonic sensors placed on the rear bumper to detect obstacles and provide audio feedback to the driver. The table details how the tone of the audio signal changes depending on the distance of the obstacle from the bumper.

For distances between 25 and 40 cm, a continuous beep sounds. The frequency of this continuous beep increases for obstacles between 41 and 80 cm, indicating a potential closer collision. A slow beep is reserved for the most proximate obstacles, those between 81 and 120 cm. The information displayed is intended to help drivers understand the proximity of potential obstacles and navigate accordingly.

It's important to note that the system isn't infallible and has limitations. Detection of obstacles closer than 25 cm is not guaranteed, which is mentioned as a cautionary measure for drivers relying on the assistance. Overall, the table's data conveys the complex interplay of technology and safety, relying on both audio cues and driver awareness to navigate reverse parking situations.

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 ultrasound echo technology, due to which performance is not guaranteed in following scenarios:

parking the vehicle.

If height of the bumper is changed due to alteration to the suspension or other causes

If the sensor areas are extremely hot from direct sunlight or cold due to freezing weather.

If Sensors are covered by a hand, sticker, accessory, etc.

If the object has a sharp edge surface, where surface may divert echoes from sensor reception.

If ultrasonic noise is present around Vehicle due to other vehicle sensors, horn, engine, air braking system (large vehicles), Exhaust Fans, Wireless transmitters or mobile phones

Reverse Park Assist System Preventive Maintenance

If object is mesh fence made up of thin wires, where echoes can't be given by the surface.

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.

Fast moving objects passes in the sensor's field of detection, where echoes are not processed by the system.

If the vehicle speed exceeds 10kmph, the system will not warn you even though objects are detected, error message ?Vehicle Speed is high, drive

slowly!? will appear.

Do not use water at high pressure for cleaning the sensor or camera.

If object is made/covered by foam or sponge or snow where ultrasonic sound signals are absorbed.

Driving on uneven road surfaces e.g. Gravel, unpaved roads, Artificial Speed Breakers, or gradient.

Do not cover the sensors surface with any additional fitment. This will interrupt park assist performance.

Objects close to the rear bumper can go undetected by the Reverse Park Assist's field of detection. Driver should use extreme caution while

Poles of square/rectangular cross section might not be detected

Do not remove mud, snow on the sensors using stick or hard material. Use

WARNING

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

NOTE

Turning the ignition ?OFF? while the park assist feature is active would disable it.

normal water and soft cloth.

General Warning

REAR VIEW CAMERA (if available)

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

In low light conditions, the screen may

1. darken or image may appear faint.

If the tire sizes are changed, the posi-

2. tion of the fixed guidelines displayed on the screen may change.

In case of damage of the rear portion

3. of the vehicle, Reverse Park Assist sensors position may change which causes wrong visual information on display. In case of damage make sure that Reverse Park Assist sensors are

fitted properly at the intended location.

Display screen

Activation

Reverse gear

This system will start, if reverse gear is engaged, or park assist button (if available) is pressed or manual activation is done through Infotainment screen.

Deactivation

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

In case of uneven road conditions or

4.

uphill or downhill conditions, do not depend on Reverse Park Assist aid.

Do not apply any kind of force on the

5.

reverse park assist sensors.

Always use rear view mirrors along

6.

with Reverse Park Assist for confirming the safety of the rear and the sur-

rounding conditions.

If started through infotainment, the system
can be stopped using a cross button on in-

fofainment screen.

Understanding Guidelines Indication

Green Line

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

Yellow Line

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

Red Line

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

Do's And Don't

mation may not be the actual rear view of the vehicle & system will warn with message "Tail Gate Open, Please close.

High Pressure water for cleaning.

Wipe the camera lens with soft cloth.

3.

Do not use hard cloth or material to

4.

wipe the camera lens. This will cause scratches on the camera, and leads to deteriorated visual image on the display.

When the camera is operated under fluorescent lights, sodium light or mercury light etc., illuminated areas on the lens may appear to flicker in the display.

Do not apply organic solvent, car wax,
5.

window cleaner or glass coat to clean the camera. If this is applied, wipe it off as soon as possible.

Do not attach any advertisement or styling or any kind of stickers on top of camera. If this happens, camera cannot provide you the visual image and it may damage the camera.

Do not apply heavy force on lens,
6.

while cleaning.

Do not remove mud, snow on the cam-

7.

era lens using stick or hard material.

Use normal water and soft cloth.

Do not add any accessory, which will

?

cause blockage to the camera's field of

view.

Cleaning Camera

Due to environmental reasons like

1.

snow, dust, mud or fog may accumu-

late on the camera lens. So regularly

clean the camera lens.

Do not use camera when tailgate is

open. If tailgate is open, visual infor-

Use water to clean the camera lens.

2.

Do not use extreme cold or hot water.

Rapid changes in temperature may

WARNING

The camera uses fish eye lens. So the size of the objects or in the display may differ from the actual size and distance.

The camera uses fish eye lens. So

In low light conditions, the screen may darken or image may appear faint.

In low light conditions, the screen

Rear View Camera System Precautions

Area Displayed On Screen

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

If the tire sizes are changed, the position of the fixed guidelines displayed on the screen may change.

If the tire sizes are changed, the po-

During rainy conditions, image may get obscured. In such conditions, do not depend on camera view. The camera used in the vehicle, may not reproduce the same color of the real object.

During rainy conditions, image may

In case of damage of the rear portion of the vehicle, camera position may change. Which causes wrong visual information on display. In case of damage, make sure that,

camera is fitted properly at the intended location.

In case of damage of the rear por-

In case of uneven road conditions or up-hill or downhill conditions, do not depend on rear view camera park aid.

In case of uneven road conditions or

Do not apply any kind of force on the camera.

Do not apply any kind of force on

Always use rear View mirrors along with Rear View Camera for confirming the safety of the rear and the

Always use rear View mirrors along surrounding conditions.

High humidity and variation in ambient temperature may result into con-

densation inside the camera lens, which may further result into degradation of camera video feed on the screen. It is recommended that not to rely on camera video feed for parking assistance in such scenario. This phenomenon is temporary and will be automatically recovered with reduction in humidity and less variation in ambient temperature.

The area displayed by the rear view camera is limited. The camera does not display objects that are close to or below the bumper, underneath the vehicle, or objects out of the camera's field of view. The area displayed on the screen may vary according to vehicle orientation or road conditions.

When Sharp Up Gradient Behind The
Vehicle

The area displayed on the screen may
vary according to vehicle orientation
conditions.

The area displayed on the screen may

When Sharp Down Gradient Behind
The Vehicle

Objects, which are close to either cor-
ner of the bumper or under the
bumper, cannot be seen on the
screen.

Objects, which are close to either cor-

The camera may not display items that
are located higher than the camera's
field of view.

The camera may not display items that

NOTE

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

When Any Part Of The Vehicle Sags

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

When Approaching Three-dimensional Objects

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

NOTE

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

Because of this, objects will appear to be closer than they actually are. In the

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

a. Distance guidelines

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

b. Vehicle width guidelines

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

EMERGENCY EQUIPMENT

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

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

First Aid Kit

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

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

Tool Kit, Tow Hook, Jack And Spare Wheel

Tool kit and Jack are accommodated in Tool kit bag located in the rear boot.

Tool kit bag contains

Jack handle

?

Tow hook

?

Wheel spanner

?

Jack

?

Advance Warning Triangle

An advance warning triangle is kept near spare wheel.

NOTE

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

NOTE

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

hazard.

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

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

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.

Use the hazard warning to warn the traffic

during emergency parking or when your vehicle could otherwise become a traffic

NOTE

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

SPARE

WHEEL

REMOVAL

PROCESS

IN CASE OF FLAT TYRE

Reduce vehicle speed gradually, Avoid sudden steering movement or braking.

To access the spare wheel, operate live hinge by rotating the part at upside from live hinge lift the carpet up.

After lifting, hold the carpet to access the spare wheel.

Pay attention to the traffic conditions as you do so.

Switch on the hazard warning lamps.

If possible, bring the front wheels into the straight-ahead position.

Stop the vehicle on solid, non-slippery and level ground, as far away as possible from traffic.

Set the parking brake firmly and shift into ?R? (Reverse) gear.

When the vehicle is in uphill position, shift the gear in first gear.

Switch off the engine.

Secure the vehicle against rolling away.

Remove the Tool kit bag along with contents.

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

Keep advance warning triangle at a suitable distance behind the vehicle as an indication of breakdown.

Close all the doors.

Use the Jack on level, hard ground.

Avoid changing the wheel on uphill and

downhill slopes. Chock the wheels, if the deflated wheel needs to be changed on slope / ghat area.

Wheel nut removal

Changing Flat Tyre

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

Reduce vehicle speed gradually, avoid sudden steering movement or braking.

Reduce vehicle speed gradually,

Pay attention to the traffic conditions as you do so.

Pay attention to the traffic conditions

Switch on the Hazard warning lamps.

Switch on the Hazard warning

Stop the vehicle on solid, non-slippery and level ground, as far away as possible from traffic.

Stop the vehicle on solid, non-slip-

Before raising the vehicle, secure it from rolling away by applying the parking brake.

Before raising the vehicle, secure it

Do not use wooden blocks or similar objects as a jack underlay.

Do not use wooden blocks or similar

Do not place your hands and feet or lie under the raised vehicle when it is supported by a jack.

Do not place your hands and feet or

Do not run the engine when the vehicle is supported by the jack and never allow passengers to remain in

the vehicle.

Do not run the engine when the ve-

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

Do not open or close a door or the

WARNING

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

g

A flat tyre affects the ability to steer

y

or brake the vehicle.

You could lose control of the vehi-
cle.

You could lose control of the vehi-

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.

Continued driving with a flat tyre will

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.

The jack is designed only to raise

Use the jack on level, hard ground.

Avoid changing the wheel on uphill and downhill slopes. Chock the wheels, if the deflated wheel needs to be changed on slope / ghat area.

Use the jack on level, hard ground.

Jacking Point Location On Vehicle

Front Jacking location

Rear Jacking location

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

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

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

Continue to raise the jack slowly and
smoothly until the tyre clears the ground.

Do not raise the vehicle more than re-
quired.

Use the jack on level, hard ground.

Avoid changing the wheel on uphill
and downhill slopes. Chock the
wheels, if the deflated wheel needs
to be changed on slope /ghat area.

Use the jack on level, hard ground.

If possible, bring the front wheels in to the straight-ahead position.

If possible, bring the front wheels in

Secure the vehicle against rolling away.

Secure the vehicle against rolling

Set the parking brake firmly and shift into ?R? (Reverse gear) on level ground and while vehicle is in downhill position.

Set the parking brake firmly and

When the vehicle is in uphill position, shift the gear in first gear.

When the vehicle is in uphill posi-

WARNING

If you do not position the jack correctly at the appropriate jacking point of the

vehicle, the jack could tip over with the vehicle raised. There is a risk of injury. Also jack can be damaged.

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 applicable).

Restore all the tools and jack at their respective locations.

Place the flat tyre at spare wheel location

Lifting the front wheel using jack

Lifting the rear wheel using jack

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

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

Tighten each nut by hand until the wheel

NOTE

Do a 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.

Do a check and correct the tyre

Place the jack only at recommended
jacking locations.

Place the jack only at recommended

Do not put Jack under any part of
Rear Axle.

Do not put Jack under any part of

NOTE

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

PUNCTURE REPAIR KIT (if available)

Introduction

≤ 6 mm).

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

applicable) shall be checked by an expert and replaced if necessary.

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

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

Drive with caution and avoid making sudden steering or driving maneuvers, maneuvers, especially if the vehicle is heavily loaded or you are towing a trailer.

The system will provide you with an emergency temporary repair, enabling you to continue your journey to the next vehicle or tire dealer, or to drive a maximum distance of 200 km (120 miles).

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

Do not exceed a maximum speed of 80 km/h (50 mph).

Keep the Puncture repair Kit out of the reach of children.

Once the Puncture repair Kit has been used for a temporary tire repair, the

WARNING

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

WARNING

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

Location In Vehicle

In Luggage compartment

Puncture

Repair

Kit

Removal

Process

Puncture

Repair

Kit

Removal

To access the puncture repair kit open
the Tailgate.

To access the puncture repair kit open

Remove the two Velcro as shown in
figure and take out the puncture repair
kit.

Remove the two Velcro as shown in

Step

Instructions On How To Use The Puncture Repair Kit Safely

Never leave the Puncture repair Kit unattended while in use.

Use product with original vehicle ground tires only.

Do not keep the compressor operating for more than 10 minutes otherwise there is a risk of it over-heating.

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

Only use the Puncture repair Kit with tubeless tires.

Replace the sealant bottle with a new
?

one before the expiration date is reached (see bottle label). In case that the sealant is expired the functionality

cannot be fully guaranteed. Only use original Puncture re-pair Kit bottles which are pressure resistant.

How To Proceed In The Event Of Tyre Puncture

You can temporarily repair a tire puncture in two steps.

If used for other than its intended purpose, the Puncture repair Kit may cause severe accident or injury due to the fact that compressed air can act as an explosive or propellant.

Step 1 :pumping The Tyre Sealant And Air Into The Tyre

Park your vehicle at the roadside so that you do not obstruct the flow of traffic and you are able to use the Puncture repair Kit without being in danger.

Peel off the decal denoting the maximum permissible speed (80 km/h | 50

mph) from the casing and attach it to the edge of the windscreen as shown

on the picture.

Engage the hand brake, even if you have parked on a level road, to ensure that the vehicle will not move.

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

Take the hose and power plug with 2.

cable out of the Puncture repair Kit casing. Unscrew the orange cap of the bottle connector.

Do not attempt to remove foreign objects like nails or screws penetrating the tire. Leave them as they are.

Unscrew the red cap of the sealant

3.

bottle. (Shake sealant bottle well before use.

Leave the engine running while the Puncture repair Kit is in use, but not if the vehicle is in an enclosed or poorly ventilated area.

WARNING

Need to drain fluid from tire before repair.

Press compressor switch to ?I?.

8.

Inflate the tire within about 10 minutes

9.

to an inflation pressure of minimum
180 kPa, (1.8 bar, and 26 psi) and a
maximum of 300 kPa (3 bar, 43 psi).

Inflate the tire within about 10 minutes

9.

Screw the bottle clockwise firmly

4.

against the slight resistance of the
notches onto the sealing gasket of the
bottle connector until it is screwed
tight.

Screw the bottle clockwise firmly

4.

Switch off the compressor briefly in

10.

order to read the actual tire pressure
from the pressure gauge.

Switch off the compressor briefly in

10.

Remove the valve cap from the dam-

5.

aged tire. Pull the protective cap off the

end of the hose and screw the hose

firmly onto the valve of the damaged

tire. Make sure that the compressor

switch is switched to ?0? and the pres-

sure ?air release? valve is closed.

Remove the valve cap from the dam-

5.

Insert power plug into the 12 volt

6.

power socket connection.

Insert power plug into the 12 volt

6.

Start the engine (only if the vehicle is

7.

outdoors or in a well ventilated area).

Start the engine (only if the vehicle is

7.

WARNING

WARNING

NOTE

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

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

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

NOTE

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

WARNING

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

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

Switch the compressor to ?0?.

?

Pull the power plug from the 12 volt power socket connection.

Slowly unscrew the hose from the tire valve (sealant residues may escape from the hose) and put the protective cap back onto the hose.

Make sure that the compressor switch is switched off to ?0?.

Make sure that the compressor switch

Leave the bottle in the holder. This avoids unexpected leakage of sealant residue.

Insert the power plug into the 12 volt power socket connection.

Insert the power plug into the 12 volt

Step 2 Checking The Tyre Pressure

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

16. Read the tire pressure from the pressure gauge.

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

Start the engine (only if the vehicle is outdoors or in a well ventilated area).

Start the engine (only if the vehicle is

Make sure the Puncture repair Kit, the ?

cap of the bottle and the orange cap are stored safely, but are still easily accessible, in the vehicle.

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

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

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

WARNING

WARNING

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

If heavy vibrations, unsteady steering behavior or noises should occur while driving, reduce your speed and drive with caution to a place where it is safe for you to stop the vehicle. Recheck the

tire and its pressure. If the tire pressure is less than 130 kPa (1.3 bar, 19 psi) or if there are any visible cracks, bumps or similar damage on the side wall, do not continue to use the tire!

WARNING

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

protective cap of the hose.

Leave the bottle in the holder and store the Puncture repair Kit away safely in the vehicle trunk.

Switch the compressor off and check the tire pressure again. If tire pressure is too high, deflate the tire to the specified pressure using the pressure release valve.

Switch the compressor off and check

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

Rest of the remaining sealant in the

hose might leak out when opening
pressure ?air release? valve or taking
off the protective cap of the hose.

Please use protective glove for safety
purpose.

Rest of the remaining sealant in the

New sealant and replacement parts can
be purchased from your authorized repair
shop or dealer. Sealant bottles can be dis-
posed with house-hold waste.

Once you have inflated the tire to its
correct tire pressure, switch off the
compressor, pull the plug out of the
socket, unscrew the hose, fasten the
tire valve cap and put back on the pro-

Once you have inflated the tire to its

NOTE

NOTE

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

normal tyre.

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

WARNING

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

WARNING

Before driving, ensure tire is adjusted to recommended inflation pressure as indicated on vehicle placard. Monitor tire pressure until sealed tire is replaced.

Proceed as described above from point
15 onwards.

JUMP STARTING YOUR CAR

For Petrol NA Non IAC/ISS variants

(if available)

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:

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 of discharged battery.

speed.

Remove the jump leads in the exact reverse order in which you connected

them.

Start the engine of the vehicle with the discharged battery.

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.

Before disconnecting the jumper cables, let the engine run for several minutes.

Connect one end of the second jump lead to the negative (-) terminal of the booster battery.

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

NOTE

Do not disconnect the discharged battery from the vehicle.

WARNING

Do not connect the jump lead directly to the negative (?) terminal of the discharged battery. This may lead to an explosion.

Do not connect the jump lead di-

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.

Do not allow battery electrolyte to

connected to Battery Sensor out-put
as shown below.

Do and Don't

Do

Use only authorized Battery sensor.

?

Use only authorized Battery.

?

For Petrol NA IAC/ISS Variants

Following method to be adopted while performing Battery disconnection for any service on Vehicle, Jump Start and external Battery charging.

Always remove the Battery negative from Battery Sensor output side. Never remove the Battery Sensor directly from Battery. This will result Battery learning loss and this act will switch off the ISS function.

Always disconnect the Battery sensor

?

output for any service on vehicle.

Don't

While performing jump start, ensure that the jump start Battery negative terminal is connected to Battery Sensor output as shown below.

While performing external charging, ensure that charging circuit ground is

Do not remove the Battery sensor if it is not necessary.

Do not mallet / hammer the Battery

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. Make sure that there is sufficient ventilation while charging and jump-starting. Do not lean over the battery.

During charging and jump-starting,

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.

Make sure that the positive terminal

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.

It is important that you observe the

Do not connect or disconnect the battery terminals while the engine is running.

Do not connect or disconnect the

NOTE

If your vehicle is equipped with a battery sensor, connect the jump start leads on output terminal of battery sensor. Do not connect the jump start leads on sensor

surface or battery terminal. This will result of function loss of battery sensor.

sensor to fix on Battery Pole.

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

Do not place the Battery sensor on Positive Pole.

Do not remove the Battery Sensor connector.

TATA Motors. Use of any other unauthorized Battery or Battery Sensor will result in to Intelligent Alternator Control (IAC) and Idle Stop Start (ISS)function deterioration.

NOTE

Amaron 60D23 (60Ah) Enhanced
Flooded Battery to be replaced with
Amaron 60D23 (60Ah) Enhanced
Flooded Battery only.

Amaron 60D23 (60Ah) Enhanced

Use only Authorised Battery and
Battery Sensor recommended by

Use only Authorised Battery and

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.

Tow Hook Fitment

Open the tailgate and remove tow hook from the tool kit.

NOTE

When towing, pull away slowly and smoothly. If the tractive power is too high, the vehicles could be damaged.

When towing, pull away slowly and

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

WARNING

Do not get under your vehicle after it has been lifted by a tow truck.

Do not get under your vehicle after

For towing a vehicle, the best way is to use a wrecker. Alternatively use a rigid tow bar.

For towing a vehicle, the best way is

Switch ?ON? the hazard warning indicators of both the vehicles to warn other road users.

Switch ?ON? the hazard warning in-

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.

WARNING

Do not 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.

Do not tow your vehicle with the

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.

When towing with the rear wheels

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.

Battery Mounted Fuse Box.

1.

Engine Compartment Fuse Box.

2.

Cabin Compartment Fuse Box.

3.

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).

Open the tow hook cover provided on

Screw in and tighten the tow hook in clockwise direction.

Screw in and tighten the tow hook in

After towing, remove the towing hook

and press fit the cover properly.

After towing, remove the towing hook

Place the towing hook in the vehicle
tool kit.

Place the towing hook in the vehicle

fuses of same rating, which you can recognize by color and value.

Battery Mounted 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.

?

Make sure that all other fuses are pressed firmly in position.

Turn the ignition key to the ?LOCK? position.

In the fuse box, identify the defective fuse from its melted wire.

If a newly inserted fuse also blows, have the cause traced and rectified at

nearest TATA MOTORS Authorized Dealer/Service Center immediately.

Remove the defective fuse by ?fuse puller?. The fuse puller and spare fuses are provided in the engine compartment fuse box.

Defective fuses must be replaced with

NOTE

Always make sure that the spare fuses are added.

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.

If you manipulate or bridge a faulty

Always replace faulty fuses with the specified new fuses having the cor-

rect amperage.

Always replace faulty fuses with the

Fuse

Fuse

Fuse

No.

Function

Fuse

No.

Function

PF1

STARTER MOTOR

200 A

PF2

IBS

5A

F1

COCKPIT F/B SUPPLY

60A

F2

RADIATOR FAN-1

40A

F3

STARTER SOLENOID

BATT

25A

Fuses - Engine Compartment

F4

HEAD LAMP HIGH

BEAM

15A

F5

FUEL PUMP BATT

15A

F6

HEAD LAMP LOW

BEAM

15A

F7

TCU BATTERY 2

10A

F9

TCU

30A

F10

EPAS

60A

F12

UNDER BONNET F/R

BOX

60A

F13

EMS BATT

10A

F14

COMPRESSOR

10A

F15

ABS ECU BATT

25A

Fuse

Rat-

ing

Fuse

Rat-

ing

F0

WARNING

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

F8

NOTE

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

F11

The table provides information on various fuses in a vehicle, listing the fuse numbers along with their corresponding functions and ampere ratings. Starting with the 'Fuse No.' column, which seems to be labeled PF1 and PF2, indicating the fuse's function. For instance, PF1 is responsible for the starter motor, rated at 200 amperes, while PF2 serves the IBS function at 5 amperes.

Moving down the table, we have two columns, 'Fuse No.' and 'Function.' F1 is assigned to the cockpit supply, rated at 60 amperes, while F2 controls the radiator fan, rated at 40 amperes. F3,

rated at 25 amperes, is responsible for the starter solenoid.

In the engine compartment, we find fuses F4, F5, and F6, which control the head lamps, with high and low beam settings, all rated at 15 amperes each. F7, a 10-ampere fuse, powers the TCU battery. F9 and F10, rated at 30 and 60 amperes respectively, are allocated to the TCU and EPAS functions.

The final set of fuses in the table includes F12, F13, F14, and F15, rated at 60, 10, and 25 amperes, responsible for the under-bonnet fuse box, EMS battery, compressor, and ABS ECU battery respectively.

It's important to note that the table also includes some additional information, such as a warning about removing the fuse box cover and a note to refer to the sticker inside the cover for a detailed layout of the fuses.

The data provided details the functionality of various fuses within a vehicle. The table is divided into three sections, the first two of which provide concise information on the function and rating of each fuse. The first section, titled 'Fuse No./Function,' lists fuses from F0 to F15, describing their functions, such as the cockpit supply, radiator fan, and starter solenoid. The second section, 'Fuse Rating,' provides the amperage ratings of each fuse, such as 60A for F1 and F10, and 15A for F4 and F6.

A third section, separated from the first two, details particular notes regarding the fuses. This section, titled 'Fuse,' contains important additional information. For instance, it specifies that the fuse box cover should be refitted properly if removed and that the sticker provided inside the cover should be referred to for clarity on the fuse box layout. This section also includes a note regarding a particular fuse, F11, without providing further details.

The data is presented in a straightforward manner, offering a clear view of the vehicle's fuse functions and ratings, along with a concise instructions regarding the fuse box.

Fuse

Fuse

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.

Fuse

No.

Function

Fuse

No.

Function

F16

HORN BATT

15A

F17

BRAKE LAMP BATT

10A

F18

ABS PUMP

40A

F19

INTERIOR F/B BATT

60A

F20

IGNITION LOAD

60A

F21

IGNITION COIL

15A

F22

-

-

F23

-

-

F24

ABS ECU IGNITION

5A

F25

AMT IGN

10A

F26

-

-

F36

F37

F38

Fuse box cover is mounted on dash

1.

board with the help of lugs at the top

and bottom of the cover from inside.

F27

EMS RELAY COILS &

SENSORS

15A

F28

EMS ECU SUPPLY

20A

F29

EMS INJECTOR

10A

F30

FRONT WIPER MOTOR

20A

F31

REAR WIPER

10A

F32

STARTER MO-TOR F/B

5A

To remove the cover, gently pull the

2.

cover from upper side.

Fuse

Rat-

ing

Fuse

Rat-

ing

F35

REVERSE

LAMPS/BRAKE

SWITCH

10A

F33

F34

The data provided details the functions and fuse ratings of various automotive fuses. The table, titled "Fuse," contains two columns: "Function" and "Fuse Rating." Each row within the table represents a different function, with the corresponding fuse rating listed in the adjacent cell.

The first few rows of the table indicate that F16 is responsible for the HORN BATT with a 15A rating, F17 for the BRAKE LAMP BATT at 10A, F18 for the ABS PUMP rated at 40A, and F19 for the INTERIOR F/B BATT, requiring a higher current of 60A. F20 shares the same 60A rating as F19, but it is allocated for the IGNITION LOAD. F21, in turn, powers the IGNITION COIL with a 15A rating.

The next set of entries is denoted by hyphens, indicating that these fuse locations or functions are either unused or unavailable. F24 is assigned to the ABS ECU IGNITION, rated at 5A, while F25 handles the AMT IGN with a 10A rating. More hyphen entries follow at F26.

The table then moves on to F27, which is dedicated to EMS RELAY COILS & SENSORS, rated at 15A. F28, F29, and F30 have ratings of 20A, 10A, and 20A, respectively, and are responsible for EMS ECU SUPPLY, EMS INJECTOR, and FRONT WIPER MOTOR. A 10A rating is assigned to F31 for the REAR WIPER function, and F32, rated at 5A, is associated with the STARTER MOTOR F/B. The final entries in the table, F33 and F34, are once again marked with hyphens.

Overall, the table appears to be a comprehensive list of fuses, their functions, and ratings, likely belonging to a vehicle's electrical system.

The table contains information on the fuses in two fuse boxes of a vehicle. The first box is located inside the cover below the steering column, while the second one is mounted on the dashboard.

The first fuse box has fuses numbered from F16 to F26. F16 is a 15A fuse for the horn battery, F17 is a 10A fuse for the brake lamp battery, F18 is a 40A fuse for the ABS pump, and F19 is a 60A fuse for the interior front battery. F20 is also a 60A fuse responsible for the ignition load. F21 is a 15A fuse that powers the ignition coil. Fuses F22, F23, and F26 are not assigned any functions and are likely empty or unused. F24 is a small 5A fuse for the ABS ECU ignition. F25 provides 10A for the AMT ignition.

The second fuse box, which is located on the dashboard, contains fuses F27 to F38. F27 is a 15A EMS relay coil and sensor fuse, F28 provides 20A EMS ECU supply, and F29 is responsible for the 10A EMS injector. F30 and F31 are assigned to the front and rear wiper motors, both rated at 20A and 10A, respectively. A 5A fuse, F32, powers the starter motor front. Fuses F33 and F34 do not have any noted functions. The last fuse, F35, is a 10A fuse that controls the reverse lamps and brake switch.

Re-fitment Procedure

Align bottom lugs and push upper part with
respective slots on dash board and press
the cover firmly.

Fuses - Cabin Compartment

Fuse

Fuse

No.

Function

Fuse

Rating

Fuse

Fuse

No.

Function

Fuse

Rating

F1

TAILGATE RELEASE

10A

RELAY COIL

5A

F2

RPAS /TELEMATICS

IGN

5A

F3

ACC BATT/OBD

15A

F4

ACCESSORIES FUSE

5A

F4

PEPS/BLOWER RLY

5A

PEPS/ESCL ECU-

BATT

10A

F17

IMMOBILISER

5A

F18

CDL

15A

F19

KEYIN / TELE BATT

5A

F20

CLUSTER

5A

F21

BLOWER MOTOR

30A

F5

HEATED REAR

SCREEN BCM

25A

F6

HVAC/ FATC

10A

F22

TRANSIST/INFOTAIN-

MENT

20A

F7

BCM2- BASE/MID

BCM

20A

F8

BCM3-MID BCM

20A

F9

BCM1-BASE/MID BCM

20A

F10

IGN FUSE-2

10A

F11

IMMOB/EPAS/PEPS-

IGN

5A

F12

RESTRAINTS CON-

TROL

10A

F13

POWER SOCKET1

15A

F14

MIRROR ADJUST

MOTOR

5A

F15

POWER SOCKET-2

15A

Rating

Rating

F16

The table provides information on various fuses and their functions in a vehicle. It can be divided into three main sections based on the fuse rating, with the first section encompassing fuses rated at 5A, the second at 10A, and the third at 15A and 20A.

Starting with the 5A fuses: F1 is responsible for the tailgate release, F2 for the RPAS telematics ignition, F4 for the accessories fuse and the PEP blower relay, F11 for the immobilizer, EPAS, and PEP ignition, F14 for the mirror adjustment motor, and F17 for the immobiliser. There are two fuses rated at 5A with the same designation F4, which may cause confusion.

The 10A section consists of F6, which enables the HVAC and FATC functions, F10, known as the IGN fuse, and F12, which is related to the restraints control system.

Moving on to the final section, the 15A fuses include F3 for the ACC batt and OBD, F13 for power socket 1, and F15 for power socket 2. Meanwhile, the 20A fuses are F7, F8, and F9, which appear to be associated with different BCMs. Finally, F5, rated at 25A, is responsible for the heated rear screen BCM.

It's important to note that the data seems to be presented in a jumbled manner, and a more ordered layout would likely aid in understanding the information better. The table includes some blank spaces and seems to have some content cut off, so a complete understanding of the data might be difficult without the full picture.

The table provides information on the fuse ratings and their corresponding functions. The first row contains the heading 'Fuse No.', 'Function', and 'Fuse Rating'. The subsequent rows each list a fuse number, its associated function, and the fuse rating in amperes (A).

The data reveals that the fuse ratings vary significantly, ranging from 5A to 30A. The functions associated with these fuses cover a wide range of vehicle operations. For instance, the 'F16' fuse, rated at 5A, is for the relay coil, while the 'F21' fuse with a higher rating of 30A powers the blower motor. There are also multiple fuses rated at 5A, such as 'F17' for the immobiliser and 'F19' for key-in and tele batt.

Furthermore, some fuses have dual listings for their functions. For example, the 'F4' fuse is responsible for both the accessories fuse and PEPS/blower RLY, while the 'F11' fuse covers IMMOB/EPAS/PEPS-IGN. This indicates that these particular fuses may serve multiple purposes in the vehicle's electrical system.

Overall, the table provides a comprehensive overview of the various fuse ratings and their corresponding functions, offering insights into the vehicle's electrical architecture.

BULB SPECIFICATION

Sn

Description

Rating

Type

Qty.

HIGH BEAM

12V, 55W (HV)

12V 60W (LV)

H7 (HV)

LOW BEAM

12V, 55W

H7 (HV)/H4 (LV)

TAIL/POSITION

6.5W LED (HV)

12V 5W (LV)

STOP

5.76W LED (HV)

12V 21W (LV)

DomiLED D6A-SKG 9 (HV)

5

REVERSE (TAIL LAMP)

12V, 16W

W16W

6

TURN

12V, 21W

WY21W

7

HMSL

12V, 25W

BULB

8

DRL

12V, 9.5W

LED

9

POSITION

12V, 1.2W (HV)/12V 5W (LV)

LED (HV)/BULB (LV)

10

TURN

12V, 21W

PY21W

11

FRONT FOG

12V, 19W

H16

12

ROOF LAMP

12V, 5W

BULB W5W

13

GLOVE BOX LAMP

12V, 5W

W5W

14

REAR REVERSE LAMP

12V, 21W

P21W

15

PUDDLE LAMP

12V, 5W

BULB

16

REG. PLATE LAMP

12V, 5W

BULB

17

LUGGAGE LAMP

12V, 5W

BULB

,

(
)
12V, 60W (LV)

(
)
H4 (LV)

(
12V, 5W (LV)

DomiLED DWA-HKG27 (HV)
P21W/5W (LV)

DomiLED DWA-HKG27 (HV)

(
12V, 21W (LV)

P21W/5W (LV)

The table provides a comprehensive list of bulb specifications for different vehicle lighting applications. Each row represents a unique lighting function, and the corresponding details are presented in the adjacent columns.

The first row, for instance, pertains to high beams, rated at either 12V and 55W or 12V and 60W,

depending on the system voltage (HV or LV). The bulb type differs based on the voltage, with H7 bulbs used for high voltage and H4 bulbs for low voltage systems. Two bulbs of this type are required.

The second row describes the low beam bulbs, rated at 12V and 55W, compatible with both high and low voltage systems (H7/H4). Again, two bulbs are needed.

The third row specifies the tail and position lights, which use LED technology. The high voltage version is rated at 6.5W and uses DomiLED DWA-HKG27 bulbs, while the low voltage option is 12V and 5W, requiring P21W/5W bulbs. Two bulbs of each type are listed in the quantity column.

This pattern continues for the remaining rows, outlining the stop, reverse, turn, day running lights (DRL), position, turn signal, front fog, roof, glove box, rear reverse, puddle, license plate, and luggage lamps. The specifications include the voltage, wattage, bulb type, and quantity, allowing for a detailed understanding of the various bulbs used in a vehicle's lighting system.

Head Lamp Bulb Replacements

the glass) into the socket.

Replacing The Low Beam Bulb

Lift the bonnet to access the bulbs.

1.

Move the retaining spring up and push

7.

it slightly until it locks properly.

Refit the connector in to the Bulb & ro-

8.

tate the Bulb Access Cover as per the
direction arrow shown on the cover.

Remove the Bulb Access cover by ro-

2.

tating as per the direction arrow shown
on the cover.

Press the pin and pull the connect-or

3.

from the bulb.

To free the headlamp bulb from the

4.

socket, press and swing the retaining spring and pull it straight back.

Pull out the bulb from the socket.

5.

Insert the new bulb (without touching

6.

WARNING

Do not run the engine when you change bulbs.

Do not run the engine when you

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.

If the engine has been running just

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.

It is dangerous if a halogen bulb

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.

Halogen bulbs can break if the glass

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.

Never touch the glass portion of the

NOTE

Your vehicle's headlamps have replace-

able halogen bulbs.

24 X 7 ROAD ASSISTANCE

Dear Customer,

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

Place the advance warning triangle

?

supplied with the vehicle approx. 3 m from the vehicle in the direction of on-coming traffic.

Coverage Under 24 X 7 On Road Assistance Program

I. The 24x7 On Road Assistance Pro-

Response Time ** For The On Road Assistance Program

Within City Limits 60 minutes

On State or National Highways

90 minutes

Ghat Roads and other places

120 minutes +/-

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

Standard Procedure When Calling For On Road Assistance In Case Of A Breakdown

Dial the toll free help line number ?

1800 209 8282

Identify your vehicle with the Vehicle

chassis number that is available in the Owner's Manual.

Explain your exact location with landmarks and tell us about the problem you face with the vehicle.

Park your vehicle on the edge of the road, open the bonnet and put on the

The table outlines response times for different locations under the 24x7 On Road Assistance Program. The program aims to aid vehicles experiencing breakdowns by providing timely assistance. The response time varies based on the location of the breakdown. Within city limits, the response time is guaranteed to be within 60 minutes. For breakdowns occurring on state or national highways, the response time extends to 90 minutes. Ghat roads and other off-highway locations are given a response time of 120 minutes, with a potential variation of plus or minus 120 minutes due to the challenging terrain and accessibility issues. The response times are contingent upon multiple factors, including the position, terrain, traffic conditions, and the time of day. These factors could potentially impact the accessibility and speed of response.

Overall, it is advisable to follow the standard procedure and contact the toll-free helpline in the event of a breakdown, providing vehicle and location details to receive assistance as soon as possible, although the time of arrival may vary depending on the location of the breakdown.

on your vehicle during warranty period.

Wheel change through spare wheel.

?

instance of assistance in one year for both the plans- Basic and Premium. In the premium plan, this includes 2 instances of towing up to the nearest TATA MOTORS Authorized Dealer/Service Center.

Exclusions

24 X 7 On Road Assistance Program

Does Not Apply To

Lack of maintenance as per the maintenance schedule as detailed in the owner's manual.

Arrangement of fuel. (Fuel cost will be chargeable at actual cost).

Re-opening the vehicle in cases of key lock out.

Cases involving racing, rallies, vehicle

?

testing or practice for such events.

Disclaimer

Rectification of electrical problems related to battery, fuses etc.

The Service is not available in Lakshadweep.

Cost of parts consumables and labor for such repairs not covered under warranty*. These charges are to be settled with ASP in cash.

**The reach time is indicative & the actual reach time will be conveyed by the call center at the time of breakdown call.

On spot repairs for complaints repairable at site. ^

Vehicle to vehicle towing or winching &

g

g

towing for non-accident cases up to the nearest TATA MOTORS Authorized Dealer/Service

Center.

Towing

Toll or ferry charges paid by ASP in reaching to the breakdown site to be settled with ASP in actuals in cash.

The reach time can vary depending on the traffic density & time of the day.

g

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).

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.

Cases involving accident, fire, theft, vandalism, riots, lightening, earthquake, windstorm, hail, tsunami, unusual weather conditions, other acts of God, flood, etc.

Vehicles that are unattended, un-registered, impounded or abandoned.

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

Breakdown/defects caused by misuse, abuse, negligence, alterations or modifications made to the vehicle.

^ 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 re-pairs will be as per the warranty policy & procedures of TATA MOTORS PASSENGER VEHICLE LIMITED

and

as

per

the

interpretation of the same by ASP. You will be duly informed by the ASP & call center for the change applicable if any.

not be responsible for any repairs carried out in such unauthorized workshop.

Customer are advised to take acknowl-

tation, malicious intent and refusal to pay the charges for any charges related services and spare parts during service or on previous occasions on part of the customer.

edgment from the ASP for the list of accessories/extra fittings and other belongings in the vehicle as well as the current condition related to

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

dents/scratches

break-ages

of

g

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.

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 shall

the vehicle be towed to any unauthorized work-shop. TATA MOTORS will

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.

Vehicles will be handled, repaired &

Services entitled to the customers can be refused or cancelled on account of abusive behavior, fraudulent represen-

Services entitled to the customers can

MAINTENANCE AND SERVICE

Periodic maintenance is essential for ensuring long trouble free performance.

Have your vehicle serviced regularly from TATA MOTORS Authorized Dealer/Service Center.

There is a large network of TATA MOTORS Authorized Service Centre to help you with their professional servicing expertise. Scheduled maintenance information is provided which makes tracking routine service easy.

The following checks can be carried out between the recommended scheduled maintenance services. Take help of our authorized service center for assistance.

Engine oil level

Engine coolant level

Brake fluid level

Washer fluid level checking & top-ping up

Battery electrolyte level

Tyre inflation pressure including spare wheel

WARNING

Be careful not to touch a hot engine, exhaust manifold and pipes, muffler, radiator and water hoses.

Be careful not to touch a hot engine,

Do not work on a vehicle with the engine running in an enclosed space, unless you are sure of enough ventilation.

Do not work on a vehicle with the

Keep all open flames and other burning material (such as cigarettes) away from the battery and all fuel related parts.

Keep all open flames and other

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

Switch off the ignition

?

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

Never reach into the area where there is a risk of danger from moving components, such as the fan rotation area.

Never reach into the area where

Keep clothing away from moving parts.

Keep clothing away from moving

NOTE

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

ENGINE COMPARTMENT (MT)

&hTab

Brake fluid reservoir

1.

Dipstick ? Engine oil

2.

Windshield washer container

3.

Engine oil filling cap

4.

Battery

7.

Radiator Cap

5.

Fuse Box

6.

ENGINE COMPARTMENT (AMT)

&hTab

Brake fluid reservoir

1.

Dipstick ? Engine oil

2.

Windshield washer container

3.

Engine oil filling cap

4.

Radiator Cap

5.

Battery

7.

AMT oil reservoir

8.

Fuse Box

6.

ENGINE OIL LEVEL

Dipstick location Engine oil

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 reinsert 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.

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

Dipstick

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.

BRAKE FLUID LEVEL

Brake fluid reservoir

tween 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.

ENGINE COOLANT LEVEL

Examine whether the coolant level is between the ?MIN? and ?MAX? marks provided on the coolant reservoir.

When the coolant level is low, top up with recommended coolant through filler of No loss tank until the level approaches the max level line. Refer ?Technical information? section.

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

Brake fluid level

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.

CHECKING AMT OIL RESERVOIR

LEVEL

The level of the AMT oil reservoir level should be between the ?MIN? and ?MAX? marks on the side of the container. If the level falls below the ?MIN? mark, add recommended oil.

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 image of Engine Compartment.

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 en-

NOTE

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.

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

NOTE

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

WINDSHIELD

WASHER

FLUID

LEVEL

Examine if there is washer fluid in the tank.

Fill it if necessary. Use a good quality windshield washer fluid, diluted with water as necessary.

BATTERY

Examine the battery for electrolyte level against the marking on the battery outer case.

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

Examine the battery terminals for corrosion (a white or yellowish powder).

To remove it, wash the terminals with a solution of baking soda. It will bubble up and turn brown.

When this stops, wash it off with plain water. Dry off the battery with a cloth or paper towel.

Apply petroleum jelly to the terminals to prevent further corrosion.

Use a proper wrench to loosen and remove cables from the terminals.

Always disconnect the negative (-ve) cable first and reconnect it last.

If your vehicle is equipped with Battery Sensor, then disconnect only the Sensor Output Cable. Do not remove the Sensor, Sensor connector completely as this will result in the loss of sensor function temporarily. Sensor functionality will be restored when the Vehicle

vehicle's paint.

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

NOTE

Do not use detergent or any other additive in the windshield washer reservoir. This can severely impair visibility when sprayed on the windshield, and can also damage your

Do not use detergent or any other

is parked for 3 hours without any operation.

Sensor, connect the jump start leads on output terminal of Battery Sensor.

Do not connect the jump start leads on Sensor surface or Battery terminal.

This will result of function loss of Battery sensor. Refer the Battery Sensor image for do's and don'ts.

Clean the battery terminals with a terminal cleaning tool or wire brush.

For location of battery, please refer image of the respective Engine Compartment.

Reconnect and tighten the cables, coat the terminals with petroleum jelly.

Make sure that the battery is securely mounted.

If you need to connect the battery to a charger, disconnect both cables to prevent damage to the vehicle's electrical

system.

If your vehicle is equipped with Battery

NOTE

Use For petrol MT

60Ah Enhanced flooded Battery to be replaced with enhanced flooded battery (60 Ah) of the respective supplier only.

NOTE

Use only authorized Battery recommended by TATA Motors. Use of any other unauthorized Battery will result into Engine Start-Stop ,Intelligent Alternator control function deterioration.

NOTE

During normal operation, the battery generates gas which is explosive in nature. A spark or open flame can cause the battery to explode caus

During normal operation, the battery

SPARK PLUG (PETROL)

For NG NA Engine

Spark Plug

Number

Gap

TYRES

Under inflation

Excessive side

tread wear

RER8MC

0.8 to 0.9

mm

Correct tyre pres-

sure

Uniform wear

Over inflation

Excessive cen-

ter tread wear

Tightening Torque - 25 Nm

Inflation

Do a check of the tyre pressure and the
tyres condition periodically.

Examine the pressure in the tyres when
they are cold.

ing 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.

tread wear

Federal

Mogul

(Champion)

ter tread wear

NOTE

Use spark plug of recommended make
& type for replacement.

The table offers a comprehensive guide to understanding the impact of tyre inflation on tyre wear, centered around three key scenarios.

The first scenario involves under-inflation, which results in excessive side tread wear. This issue is exemplified by the RER8MC tyre, which exhibits a gap of 0.8 to 0.9 mm as a direct consequence.

The second scenario is optimal, with correct tire pressure leading to uniform wear. This scenario is a testament to how appropriate inflation can result in even, desired tread patterns.

Overinflation is the final scenario, causing excessive center tread wear. This issue can be observed in the Federal Mogul (Champion) tyre, and it underscores the importance of maintaining the correct pressure to avoid unnecessary wear and tear.

The table also provides insightful recommendations for maintaining tyre pressure, emphasising the periodicity of checks, and the necessity of examining tyre pressure when the tyres are cold. Additionally, it underscores the potential dangers of battery maintenance, urging caution and safety precautions when dealing with batteries.

Lastly, it highlights the significance of using recommended spark plugs and provides a tightening torque value of 25 Nm for petrol engines. Overall, this table is a concise yet informative guide to tyre

maintenance, covering issues related to inflation, safety precautions, and component replacements.

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

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

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

Tyre Pressure Sticker Location

Tyre Rotation

To increase tyre life rotate the tyre at specified intervals or earlier depending on the operation of vehicle. The illustrations shows how to rotate tyres.

Recommended Tyre Pressures

Tyre Size

Front

(psi/bar

Rear

185/70 R15

89H

32 psi (2.2 bar)

195/60 R16

(psi/bar)

(psi/bar)

89H

NOTE

This is for reference. Kindly refer Tyre pressure as indicated on tyre pressure sticker provided on vehicle.

NOTE

Every time you check inflation pressure, you should also examine tyres for uneven wear, damage and trapping of for-

eign objects in the treads and wear.

The table provides information on recommended tyre pressures for two different tyre sizes. The first tyre, sized 185/70 R15 89H, should be inflated to 32 psi or 2.2 bar in the front. The second tyre size, 195/60 R16 89H, has no pressure recommendations listed. It's important to note that tyre pressure should be regularly checked and maintained to ensure optimal performance, comfort, and safety. Incorrect tyre pressure can lead to a bumpy ride, reduced comfort, and increased wear and tear.

The table also briefly mentions tyre rotation as a maintenance practice to extend tyre life. It suggests referring to the vehicle's tyre pressure sticker for pressure specifications, and every time the pressure is checked, the tyres should also be inspected for any damage, uneven wear, or foreign objects trapped in the treads. Overall, the data emphasizes the significance of correct tyre pressure for optimum performance and longevity.

For 185/70 R15 Tyres

With temporary spare wheel

For Tyre With Temporary Spare

Wheel (if available)

For 195/60 R16 Tyres With Temporary

Spare Wheel

Take out detached wheel cover from the wheel rim.

When installing the cover, make sure that it is positioned so that it does not cover the air filling valve. Apply equal pressure at the circumference of the wheel cover to fix it in the wheel rim.

Wheel Covers (if available)

Insert a piece of cloth between the spokes

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.

Special Care For Tubeless Tyres

When you remove the tyre and install

?

NOTE

Do not use spare wheel for tyre rotation, in case of temporary spare wheel used.

Do not use spare wheel for tyre ro-

Two or more temporary tyres should not be used on one vehicle.

Two or more temporary tyres should

Tyre pressure of temporary wheel is to be checked at least once in in a month.

Tyre pressure of temporary wheel is

NOTE

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

WARNING

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

it back on the rim, take precautions not to damage tyre bead. Use tyre removal and assembly machines. Damage or cut on tyre bead may cause gradual loss of air and deflation of tyre.

SMART KEY BATTERY REPLACE- MENT (For PEPS variant)

Procedure:

Open rear side of key (battery cover).

1.

Do not scratch the inner surface of tubeless tyre with metallic or sharp object. Tubeless tyres are coated with impermeable layer of rubber from the inner surface which holds the air in the tyre. Removal of this layer due to scratching may cause gradual loss of air and deflation.

If wheel rim gets damaged in service, get the wheel rim repaired/ replaced immediately. Running the vehicle with damaged rim may cause deflation of tyre and subsequent dislodging of tyre from rim.

Replace with new battery in the smart

2.

key battery slot.

Ensure that the \pm symbol on the bat-

3.

tery is facing upwards. The correct polarity is shown on the battery cover.

Close the battery cover.

4.

Keep the recommended inflation pressure. Over-inflation, in particular, may cause puncture or bursting of tyre.

Make sure that the key cover is intact

5.

properly.

sure, 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 con-

cerned tyre manufacturer.

NOTE

Life and wear pattern of tyres depends
on various parameters like tyre pres

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.

Location of On board diagnostic (OBD II)

On board diagnostic located in Engine compartment fuse box. (Refer below image)

NOTE

Use CR 2032 battery only.

An inappropriately dis-posed battery
can be harmful to the environment
and human health. Dispose the bat-
tery according to your local law(s)
and regulation.

SERVICE INSTRUCTIONS

The TATA PUNCH 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.

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).

1st free service - At 1,000-2,000km. OR 2 months, whichever is earlier.

2nd free service - At 7,000-8,000km. OR 6 months, whichever is earlier.

3rd free service - At 14,500-15,500km. OR 12 months, whichever is earlier.

All services other than free services are chargeable.

SERVICE SCHEDULE

Sr.
No.
Operation

General
Wash the vehicle & Clean
Condenser Fins

Every

Sr.

Months

y
Service

Check & Top up Fluids (If re-
quired):

Transaxle
Oil,

q
)
,

Coolant, Brake Fluid, Battery

Electrolyte,

Wind

y

y

,

Screen washer fluid

Every

Service

Every

Check Fuel Lines for Leak-
ages

Every

Service

Every

Check and Capture all

DTC's Clear all faults and

Erase the Codes.

Every

Service

Every

Check condition of rubber
bushes/parts in lower con-
trol arms, front and rear coil
spring seats, front & rear
bump stoppers, anti roll bar
links, rear twist beam, rub

7.5K /

6M

7.5K /

The table contains a service schedule for vehicle maintenance. It suggests a general service regimen with varying frequencies for different operations. The first column, titled 'Sr. No.', seems to indicate the order of operations, while the 'Operation' column describes the tasks to be performed.

For instance, it recommends washing the vehicle and cleaning the condenser fins at every service interval. This is further emphasized in the entry for 'General,' which applies to each service. It also directs attention to checking and topping up various fluids, such as transaxle oil and coolant, at every service.

The table also outlines more specific checks to be performed periodically. These include inspecting fuel lines for leaks and capturing and clearing any fault codes. Additionally, it suggests a detailed inspection of the vehicle's rubber components every 7,500 kilometers or 6 months.

Overall, this table serves as a comprehensive service schedule, ensuring regular attention to the vehicle's essential maintenance needs. Each operation's frequency varies based on kilometers traveled or months elapsed, providing a balanced approach to vehicle care.

Sr.

No.

Operation

ber boots/dust cover/bellow
in rack & pinion, steering
and suspension ball joints,
steering column. Replace if
necessary. (First at 7.5K /
6M then at every service)
(For severe usage, above
checks to be done at every
5,000 km or after every se-
vere usage event)

Check & Replace if found
damaged - Exhaust hanger

Check All door latch &
striker operations Adjust &
Apply grease If required

30K/24

Check for all bolts & nuts

7.5K /

6M

ENGINE (Gasoline) NA

Sr.

Months

15K/12

6M

Clean air filter element
(more frequently for vehicle

15K /

12M

15K /

The table details various operations and maintenance tasks for a vehicle, organized into columns by the frequency of their recommended execution. The leftmost column, labeled "Sr. No.," numbers each operation sequentially.

The "Operation" column describes the maintenance operations to be performed, ranging from checking and replacing specific components to general inspections. These include checking and replacing parts like bellows, steering column components, and exhaust hangers. Door latches and strikers also need checking and lubrication every 15,000 kilometers or 12 months. Additionally, all bolts and nuts should be inspected regularly, with a frequency of 7,500 kilometers or 6 months.

The remaining columns indicate the recommended frequencies for these operations, labeled in kilometers and months. For instance, the "1500k" column suggests that some operations should be carried out every 1,500 kilometers, while the "120" column indicates that others are recommended every 120 months. The frequencies vary greatly, from as often as every 7,500 kilometers to as infrequent as every 120 months.

The table also includes a section dedicated to engine maintenance, specifically for gasoline engines, noting that some operations like cleaning the air filter element may require more frequent attention, ideally every 15,000 kilometers or 12 months.

Sr.

No.

Operation

operating in severe condition)

Gasoline - Replace Gasoline Fuel Filter

Change Spark plugs - Natural Aspirated Engine

75K/60

M

45K/36

Replace air filter element
(more frequently for vehicle operating in severe condition)

Change coolant

60K/

36M

BRAKES

Check front brake pads & 15K/12M

Sr.

Months

Change engine oil and Oil
filter

15K /

12M

15K /

Check accessory belt condi-
tion visually, replace if found
damage

15K/12

45K/36

36M

The table details the recommended maintenance schedule for a vehicle, organized into different operations and repairs that should be performed. Each operation is listed with its corresponding recommended frequency in either kilometers traveled (Km) or months (M).

Starting with Sr. No. 2, the table suggests changing the engine oil and oil filter every 15,000 kilometers or 12 months, whichever comes first. This operation is marked with a tick symbol (?) for clarity.

Sr. No. 3 recommends replacing the gasoline fuel filter at 75,000 kilometers or 60 months. Sr. No. 4 suggests changing spark plugs every 45,000 kilometers or 36 months for natural aspirated engines. Visual inspection of the accessory drive belt and replacement if necessary are outlined for every 15,000 kilometers or 12 months in Sr. No. 5.

Sr. No. 6 focuses on replacing the air filter element, which is recommended every 45,000 kilometers or 36 months, with the note that this frequency should be increased for vehicles operating in severe conditions. Coolant replacement is suggested at 60,000 kilometers or 36 months according to Sr. No. 7.

The table also includes a section dedicated to brake maintenance, suggesting to check front brake pads every 15,000 kilometers or 12 months.

Overall, this data emphasizes the importance of regular vehicle maintenance, with each operation scheduled at intervals suited to the component's longevity and potential wear.

Sr.

No.

Operation

rear brake linings.

Replace if necessary

Repalce brake fluid ,

Check brake system com-
ponents for Leakages

Inspect and if necessary
adjust handbrake setting

(First check @7.5K/6M
then after every 15K/12M)

WHEELS & TYRES

Check & adjust wheel align-
ment (For severe usage,
above checks to be done at
every 5,000 km or after
every severe usage event)

Check for Tyre pressure,
condition & rotate

7.5

Sr.

Months

45K /

24M

45K /

15K /

12M

15K /

15K/18

K/12M

The table details the maintenance operations for a vehicle with a focus on brake and wheel components. It's organized by Sr. No., which seems to indicate the sequence of operations. The first row serves as a header, detailing the frequency of operations in months and the recommended kilometers (Km) traveled. The subsequent rows outline specific operations, such as checking and replacing rear brake linings, brake fluid replacement, and inspecting handbrake settings. There's also attention given to wheel alignment and tire pressure checks, with notations about the frequency of these checks. Some entries have a '#' symbol followed by a distance or period, likely indicating the recommended interval for that particular operation. This table ensures the systematic maintenance of the vehicle, covering various essential checks and replacements.

This vehicle's maintenance routine involves a comprehensive check of its brake system, with

particular focus on lining replacement and fluid change. The wheel alignment and tire pressure are also given importance, scheduled for regular intervals. The data suggests that these operations are to be performed based on both the distance traveled and time elapsed, ensuring a thorough maintenance routine.

Sr.

No.

Operation

TRANSAXLE

Replace transaxle oil

75K/60

M

Check specific gravity of

battery electrolyte

7.5K/6M

Check headlamp focusing

15K/12

M

A.C. SYSTEM

Clean filter and check of Air-

conditioning / HVAC System

for satisfactory performance

Kms or months whichever occurs earlier.

Sr.

Months

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

Every

ELECTRICAL

Every
Service

Every

The table provides a summary of the maintenance operations and the recommended frequencies for a vehicle's maintenance, presented in three columns labeled Sr. No., Operation, and Frequency.

The "Sr. No." column indicates the sequence number of each operation, while the "Operation" column describes the specific maintenance tasks. It recommends replacing the transaxle oil every 75,000 kilometers or 60 months, whichever occurs first. Additionally, the level of the AMT kit oil should be inspected and topped up if necessary at every service interval.

The "TRANSAXLE" section focuses on transaxle-related tasks. It highlights the need to replace the transaxle oil every 75,000 kilometers or 60 months. Meanwhile, the "ELECTRICAL" section emphasizes checking the specific gravity of battery electrolyte every 7,500 kilometers or 6 months and includes a check of the headlamp focusing every 15,000 kilometers or 12 months.

Another segment labeled "A.C. SYSTEM" suggests cleaning the air conditioning system and checking its performance at every service visit. The final section seems to indicate that certain operations should be performed whenever the specified kilometers are reached or the months have passed, focusing on the sooner of the two.

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:

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

Inflate the tyres to 0.5 bar above the

9.

normal specified pressure and check it at regular intervals.

Park the vehicle in covered, dry and if

1.

possible well-ventilated premises. Engage a gear.

Check the battery charge every six

10.

weeks.

Do not drain the engine cooling sys-

11.

tem.

Remove the battery terminal cables

2.

(first remove the cable from the negative terminal). Ensure that battery is fully charged.

Use wheel chocks to prevent move-

3.

ment of the car.

Clean and protect the painted parts

4.

using protective wax.

Clean and protect the shiny metal

5.

parts using commercially available special compounds.

Sprinkle talcum powder on the rubber

6.

windscreen wiper and lift them off the glass.

Slightly open the windows.

7.

Cover the vehicle with a cloth or perfo-

FUEL SPECIFICATION

Fuel (petrol)

Unleaded gasoline conforming to IS

2796:2017 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.

LUBRICANT SPECIFICATION

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

Item

Specification

Company

Brand

Quantity

Castrol

GTX T 0W20

Engine oil

0W20, SS6588

3.5 L

Exxon Mobil

Mobil Super 3000 TM 0W20

Petronas

PETRONAS Syntium 7000 TM 0W20

Ansysco

Puroblue

4 L

Sunstar CCI

Gloden Cruiser LLC2200NP

IOCL

TATA MOTORS GENUINE COOLANT KOOL

PLUS

CASTROL

EXTREME PRESSURE 80 EP (1LX20)

Petronas

PETRONAS TATA MOTORS Genuine -Gear

oil New Gen 80 EP LL

IOCL

IOCL TATA MOTORS Genuine gear oil 80

WLL

Mobilube

Mobilube GX - A 80W

PETRONAS

Tutela Brake fluid DOT 4

As required

Sunstar CCI

Golden Cruiser Tata Genuine Brake Fluid

(DOT 4)

CASTROL

Optional - CASTROL- Universal Brake Fluid

DOT 4

Brake fluid

SAE J1703, DOT4

Refrigerant

R-134 A

-

450 ± 20gm

Compressor oil

SP-10

Sanden Vikas

SP10

120 ± 15 ml

Coolant (Premixed)

(Antifreeze agent +

Softwater 40:60

ratio)

Class II/JIS K2234

TATA SS7700S1

Transaxle oil

EP80WLL (Next

Gen)

TATA SS6582

1.8 L

The table contains information on lubricants, fluids, and coolants recommended for vehicle maintenance. Engine oils from several companies are detailed, including Castrol's GTX T 0W20 with 3.5 liters of capacity, Exxon Mobil's Mobil Super 3000 TM 0W20, and Petronas' PETRONAS Syntium 7000 TM 0W20. There are also details on coolant concentrations, such as the Ansysco Puroblue coolant with 4 liters of capacity, and transaxle oils like the Castrol EXTREME PRESSURE 80 EP, which holds 1.8 liters. The table further provides data on brake fluids, including the Petronas Tutela Brake fluid DOT 4, Sunstar CCI's Golden Cruiser Tata Genuine Brake Fluid, and Castrol's Universal Brake Fluid DOT 4. Refrigerant R-134 A and compressor oil, marked by the brand Sanden Vikas and a capacity of 120 ± 15 ml, are also listed. The lubricants and fluids are crucial for maintaining vehicle performance and should be chosen carefully according to the specifications provided.

The table emphasizes the importance of using genuine fluids and coolants, implying that they are specially formulated for optimal vehicle performance. The data is presented in a way that facilitates choosing the correct specifications for various automotive fluids, focusing on the brand, quantity, and corresponding company for each item. This ensures that vehicle owners or mechanics can easily identify and procure the correct fluids, lubricants, and coolants required for the vehicle's optimum performance, following the recommendations of the vehicle manufacturer.

Item

Specification

Company

Brand

Quantity

AMT Kit oil

Hydraulic Oil

PETRONAS

TUTELA Cs ? Speed

As required

NOTE

Check AMT Kit oil level at every service, 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.?

TECHNICAL SPECIFICATIONS

Parameter

Petrol

Engine

Model/type

1.2 Revotron Petrol NA Engine MT/AMT

Capacity

1199 cc

Max. Engine output

63 kW @ 6000 rpm (86PS @ 6000 rpm)

Max. Torque

113 Nm @ 3300+/-100 rpm

Transaxle

Model

TA 65* MT/AMT

Type

Synchromesh with Overdrive

No. of gears

5-Forward, 1-Reverse

Steering

Type

Electric Power Assisted Steering System

Brakes

Brakes

Front (Disc); Rear (Drum)

Parking brake

Hand Operated (Pull to Operate) on LHS of Driver

Suspension

Type

Front: Independent, lower wishbone, Mcpherson strut with coil spring

Rear: Semi independent twist beam with coil spring and shock absorber

Shock absorber

Hydraulic; gas filled

Tyres

Option I :195/60 R16 (Radial-Tubeless);

p

,

,

p

p

g

Rear: Semi-independent twist beam with coil spring and shock absorber

Wheels & tyre

The data provided appears to be a list of technical specifications for a petrol-powered vehicle. It reveals that the car has a 1.2-liter Revotron petrol engine, producing 63 kW @ 6000 rpm and 113 Nm of torque @ 3300 rpm. The engine is paired with a 5-speed manual/automated transmission.

The vehicle has a front-disc and rear-drum brake setup, with a hand-operated parking brake. Its steering is electrically powered and assisted. The suspension is designed with a front independent setup, utilizing lower wishbones and Mcpherson struts, while the rear employs a semi-independent twist beam setup.

The shock absorbers are hydraulic and gas-filled, and the wheels are fitted with 195/60 R16 radial, tubeless tires. This vehicle seems to be a well-equipped, modern automobile with standard safety features and a comfortable ride.

Parameter

Petrol

Option II :185/70 R15 (Radial-Tubeless);

Wheel rims

Option I : 5.5Jx15? Steel &Hyper style wheel

Option II : 6Jx16? Alloy wheel

Fuel tank

Capacity

37 litres

Cab / body

Type

Steel Monocoque body

Electrical system

System voltage

12 V 60Ah (MT) ; 12V,47Ah (AMT)

Alternator capacity

13.5 V, 110 A

Battery

12V,60 Ah

Main chassis dimension (in mm)

Wheel base

2445

Track front

1510

Track rear

1510

Overall length

3827

Overall height

1615

Max. Width without ORVM

1742

Max. Width with ORVM

1945

Ground clearance

159 mm (with laden)

Performance

Max. Speed

155 kmph

Option I : 5.5Jx15 Steel &Hyp

Option II : 6Jx16? Alloy wheel

The table contains various parameters regarding a petrol vehicle. It offers two options for some parts. Option I features 5.5Jx15? steel wheels, a 37-litre fuel tank, and a steel monocoque body. The vehicle has a 2445mm wheel base, 1510mm track front and rear, and overall dimensions of 3827mm in length, 1615mm in height, and 1742mm in width (without ORVM). It also boasts a ground clearance of 159mm and a maximum speed of 155kmph.

Option II comes with 6Jx16? alloy wheels. The other details remain the same but the fuel tank is specified as 37 litres. The electrical system runs on 12V and provides 60Ah (MT) or 47Ah (AMT).

The alternator has a capacity of 13.5V and 110A, while the battery is 12V and 60Ah.

Parameter

Petrol

Max. Recommended grad-
ability

15.3 deg.

Minimum Turning Clear-
ance circle dia. in meters

10.6

Weight (in kg)

1150 (MT) (Pure)

1000 (MT) (Pure)

Minimum Turning Circle

Dia. in meter as per

IS:12222

10

Gross vehicle weight

(Laden)

(

) (

)

1435 (MT) ; 1440 (AMT) (Adventurous)
1448 (MT); 1453 (AMT) (Accomplished)
1460 (MT) (AMT) (Creative)

Kerb weight (unladen)

(
) (
)

1010 (MT) ; 1015 (AMT) (Adventurous)
1023 (MT); 1028 (AMT) (Accomplished)
1035 (MT) (AMT) (Creative)

The table contains various parameters related to different variants of a vehicle, likely a car. The first row itself confirms that the vehicle is powered by petrol. The maximum recommended gradient ability is 15.3 degrees, which suggests decent hill-climbing capabilities.

The minimum turning circle diameter, which is 10 meters as per IS:12222, indicates the vehicle's maneuverability, while the minimum turning clearances circle diameter of 10.6 meters provides information about the space required for the car to make a U-turn.

The vehicle's weight details are also presented, with the gross vehicle weight (laden) ranging from 1150 to 1460 kilograms, depending on the variant. The kerb weight (unladen) varies accordingly, too. For the Pure variant, it's 1000 kilograms, and it increases slightly for other variants, such as the Adventurous, Accomplished, and Creative.

Overall, the details provided give an insight into the vehicle's performance capabilities and weight characteristics, allowing for a reasonable understanding of its specifications.

VEHICLE DIMENSIONS

H=1615

NOTE: Dimensions are in mm and under Unladen condition

AGGREGATE

IDENTIFICATION

NUMBERS

Chassis No. punching near driver seat

Engine No. plate

VIN plate location near front passenger
seat

Transaxle No. Punching (TA 65*)

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 chip-pings should be removed as soon as possible.

Washing

Following these tips while washing your vehicle.

Always wash your vehicle in shade and the surface is at room temperature.

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.

To avoid scratches, please wear soft gloves. Remove finger rings, nails, wrist watch while washing.

To remove stubborn stains and contaminants like tar, use turpentine or cleaners like ?Stain remover? which are safe for paint surfaces.

Avoid substances like petrol, diesel,

kerosene, benzene, thinner, acids or other solvents that cause damage to paint.

Dry your vehicle thoroughly to prevent any damp spots.

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.

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.

WARNING

Do not direct high pressure washer

fluid/ water jets (Pressure above 0.5 bar) at electrical devices and connectors during washing. This is to prevent malfunction / failure of electrical system due to water ingress.

NOTE

Avoid parking the car under trees without proper cover, it will reduce the amount of bird droppings, tree sap and pollen contact on paint surface. Regularly remove the twigs, leaves and vegetation near the windshield areas, to avoid water stagnation.

the painted surface that has oxidized and become dull. They normally contain mild abrasives and sol-vents 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

Always use clean cotton cloth for
6.
cleaning.

Always use clean cotton cloth for
6.

Paint Care

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

Cleaning of Windows, Front and Rear Glasses

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

Waxing

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

Stains should be treated immediately.

1.

If left for a long time, they can leave a permanent mark.

Cleaning the stains immediately is im-

2.

portant 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.

Proper Cleaning

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

Use good quality polish and wax for

1.

your vehicle.

Stain should not be removed by rub-

3.

bing. 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.

There is a heavy accumulation of dirt and mud especially on the underbody.

Re-wax your vehicle when the water

2.

does not slip off the surface but collects over the surface in patches.

Polishing

Polishes and cleaners can restore shine to

If the stain has dried, then gently brush

4.

off the material and then press with damp cloth or sponge till it disappears.

Do not use household detergents to

5.

It is driven in areas having high atmos-

pheric pollution due to smoke, soot, dust, iron dust and other chemical pollutants.

It is driven in coastal areas.

NOTE

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

NOTE

Avoid Spillage or Direct contact of Air freshener liquid/chemicals with painted plastic parts. These chemicals may cause damage to paint like blisters, peel off, wrinkles etc

The underbody must be thoroughly pressure washed after every three months.

To prevent damage to the wiper arms and other components, do not attempt to move the wipers manually

FAST TAG

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

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 clog-

?

ging.

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

NOTE

Do not attempt to rip or tamper the tag.

It will disable the functionality of the tag

VALUE CARE - AMC

Value Care (AMC) is a fixed cost maintenance plan that guarantees protection against unexpected repairs

& provides substantial savings through protection against inflation & price volatility of consumables during

the running of the vehicle.

Our customers can choose from Value Care Gold, Value Care Silver, Promise to Protect (P2P) and Protect

plus plan as per the requirement & usage to ensure hassle free, reliable & economic maintenance of the

vehicle.

Coverage ? Schedule Service and Wear & Tear.

Advantages (Customer Benefits)

Price protection against rising prices of lubes and parts.

?

A higher resale value for your vehicle.

?

Peace of mind with Cashless repairs & services.

?

Vehicle servicing at a workshop of your choice pan India.

?

Covers Repairs including Wear & Tear parts viz. Brakes, Suspension, Wiper, Clutch, Brake Pads, Brake Liners etc.

?

Covers Scheduled maintenance services including Lubricants, Parts, Wheel Alignment and

Balancing Labour.

?

Available at unmatched value?. Huge Savings!!!

?

Savings on Goods & Services Tax whenever vehicle attend under AMC.

?

Available Offers (Types of AMC)

Silver AMC

?

Gold AMC

?

Promise to Protect (P2P)

?

Protect Plus

?

Silver AMC

Value Care Silver Plan covers the following:

Scheduled maintenance services at periodic interval of Kms for Labor, Parts & Consumables.

?

Change of Oil Filter, Fuel Filter, Air Filter & Sedimenter.

1.

Change of Engine Oil, Transmission Oil.

2.

Change of Coolant, Brake Oil & Clutch Fluid*.

3.

General Checkup, Wheel Alignment / Balancing (Excluding Balancing Weight).

4.

Washing of Vehicle, Wheel greasing as applicable.

5.

Gold AMC

The value care Gold Plan extends your scheduled maintenance cover to include any normal wear and tear items identified during the

scheduled service and other vehicle parts that need to replace during the period of cover arising from proper and uniform usage.

Scheduled maintenance services at periodic interval of Kms for Labor, Parts & Consumables.

?

In addition to coverage mentioned under Silver AMC, the Gold AMC also covers Repairs or Replacement of Wear & Tear Items for both Parts & Labour.

Brake Pads, Brake Lines, Wheel Cylinders

1.

Clutch Disc, Clutch Cover, Cables, Mountings.

2.

Suspension Bush, Wiper Blades, Auxiliary Belt & other Wear & Tear Items

3.

Washing of Vehicle, Wheel greasing as applicable.

4.

Promise To Protect (P2P)

Value Care ? Promise to protect (P2P) is a maintenance plan that guarantees protection against unexpected wear & tear repairs to

provide substantial saving through protection against inflation & price volatility during the running of the vehicle.

New Vehicle (under warranty vehicles) are eligible to avail this offer ? Identified 13 wear & tear parts listed below Including Labour is

covered in this AMC with the price range of 11 to 14 paisa per Km .*applicable to selected models*

List of Covered Parts

Clutch, Brake Pad, Brake Linings, Brake Disc, Wiper, Wheel Cylinder, Suspension Bushes, Engine Mountings, Ball Joints, Hoses,

Auxiliary Belt, (Alternator & A/C Belt), Window Winder.

Protect Plus

The value care Protect plus Plan extends your scheduled maintenance cover to include coverage of P2P. It covers Scheduled main-

tenance services ? labour, parts & consumables + Identified 13 wear & tear parts of P2P plan Including Labour

New Vehicle (under warranty vehicles) are eligible to avail this offer.*applicable to selected models*.

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.

NOTE

AMC is available in the dealership from where you have purchased your vehicle.

We strongly recommend purchase of AMC at time of purchase of your vehicle to get benefit for coverage of Scheduled Services and Wear & Tear parts.

The Dealer Service Marketing Executive shall explain to you the Terms and conditions, Coverage and Owner's responsibility.

One Time payment is to be made to avail AMC offer.

P2P & Protect plus offer valid on selected models & may vary from Model to Model, Variant to Variant.

Please read the offer eBooklet for further details about coverage and exclusions of various AMCs.

*Terms & condition apply.

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 Value care AMC policy.

Customer?s Signature

Dealer?s Signature

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

OR

24 + 36 months or 1,25,000 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 warranty period from date of purchase

of vehicle. The Dealer Service Marketing Executive shall explain to you the Terms and conditions, Coverage and Owner's responsibility.

The 12 or 24 or 36 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 PASSENGER VEHICLE LIMITED

Comprehensive list of parts covered is mentioned in the Extended Warranty Booklet.

What is not Covered?

Please refer the Extended Warranty Booklet for details of the exclusion list. Soft copy of which will be provided by dealer.

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 warranty policy.

Customer's Signature

Dealer's Signature

VALUE ADDED SERVICES

Why are Corrosion Protection Waxes necessary?

Corrosion is Caused by

Water/salt water, acid rain and atmospheric fallouts.

Critical Areas are

Cavities: joints, crevices, spot welds, underbody

Corrosion is the most important factor when we talk about the vehicle life. If you treat your car well, you can prolong its life. It is very dangerous to drive around in a corroded vehicle.

Corrosion creeps onto the vehicle internally and externally as well. 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.)

Insulates the cabin from external noises..

?

Expensive tin work, denting and painting can be avoided.

?

Higher resale value for the vehicle.

?

Higher safety ? uncorroded vehicle

?

10 free checkups available

?

TATA MOTORS has tied up with M/s Wurth, M/s Autokrom, M/s 3M India Lt d & M/s Bardahl for these world class treatment at af-

fordable 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: destroys 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 and acid rain.

Benefits

Vehicle Exterior Enrichment

Removal of medium scratches, orange peel, oxidation, dust nibs etc. & swirl marks from painted surface.

?

Restoration of original gloss levels, UV protection after gloss is restored.

?

Cleaning & dressing of tyres, Bumpers and all exterior plastic moldings/trim.

?

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 bene-fits and terms and conditions of this treatment.

VEHICLE INTERIOR ENRICHMENT

Why Protect Your New Car's Fabric Interior

Someone may 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, traffic and pets

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 (inner and outer surfaces)

?

Dressing of all internal plastics (e.g.: door pad trims) and rubber parts.

?

The treatment involves cleaning and dressing of all parts of the exposed interiors.

?

Specialised protection for seat fabric from liquid spills.

?

TATA MOTORS has tied up with M/s Wurth and M/s Autokrom for this world class treatment at affordable prices. This treatment is

available in all authorized workshops. The Dealer Service Marketing Executive will explain to you the benefits and terms and conditions

of this treatment.

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

I wish to avail /

Do not wish to avail Extended warrant policy.

Customer?s Signature

Dealer?s Signature

VEHICLE WARRANTY: TERMS AND CONDITIONS

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

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.

service centres or service points.

This warranty shall not apply to the

6.

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).

This warranty shall not apply if the car

5.

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,

This warranty shall be for a period of 2

1.

years from the date of sale of the car or a mileage of 75,000 Kms

whichever occurs earlier.

This warranty shall not cover any in-

7.

herent 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.

Our obligation under this warranty shall

2.

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.

This warranty shall not apply to normal

8.

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.

Any part which is found to be defective

3.

and is replaced by us under the warranty shall be our property.

As for such parts as Tyres, Batteries,

4.

This warranty shall not apply to any

9.

damage or deterioration caused by en-

vironmental pollution or bird droppings.

Slight irregularities not recognized as affecting the function or quality of the vehicle or parts, such as slight noise or vibration, defects appearing only under particular or irregular operations are items considered characteristics of the vehicle.

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.

This warranty shall be null and void if

10.

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.

Any claim arising from this warranty

13.

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.

This warranty is expressly in lieu of all

11.

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.

The buyer shall have no other rights

12.

except those set out above and have,

This warranty is fully transferable to

14.

subsequent vehicle owner. Only un-

expired remaining period of warranty applies.

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.

ENVIRONMENTAL SAFETY

TATA MOTORS PASSENGER VEHICLE

LIMITED

is

committed

to

pro-duce

vehicles

using

environmentally

sus-

tainable technology. A number of features

have been incorporated in TATA MOTORS

passenger vehicles which have been de-

signed to ensure environmental compati-

bility throughout the life cycle of the

vehicle. We would like to inform you that

your vehicle meets BS VI emission norms

and this is being regularly validated at the

manufacturing stages.

Monitor the vehicle's fuel consumption

regularly and if showing rising trend

get the vehicle immediately attended

at the Company's Authorised Service

Outlets.

get it attended immediately.

Use only recommended grades and specified quantity of lubricants.

Get your vehicle checked for emission periodically by an authorised dealer.

Switch off the engine during long stops at traffic jams or signals. If you need to keep the engine running, avoid unnecessary revving it or stopping and starting.

Check Air filter, fuel filter and oil filter periodically and replaced, if required, as recommended by TATA MOTORS.

It is not necessary to rev the engine before turning it off as it unnecessarily burns fuel.

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.

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

Shift to higher gears as soon as it is possible. Use each gear upto 2/3rd of its maximum engine speed.

Do not allow unauthorized person to tamper with engine settings or to carry modifications on the vehicle.

A chart indicating gear shifting speeds ?

is given in this book.

Maintenance

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 hazardous dust in the atmosphere.

g

Avoid frequent and violent accelera-

Ensure that recommended maintenance is carried out on the vehicle regularly at the Authorised Service Outlets.

tion.

Do not carry any unnecessary weight in the vehicle as it overloads the engine. Avoid using devices requiring high power consumption during slow

Do not carry any unnecessary weight

As soon as you see any leakages of oil or fuel in the vehicle we recommend to

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.

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

Engine Management System (EMS)

1.

ECU

?

EMS sensors & Corresponding
wiring harness

Electrical connections to all sen-

?

sors & actuators

Fuel Injection System

2.

Fuel Pump

?

Fuel filter

?

Fuel Injectors

?

Air intake System

3.

Air filter & connecting pipes

?

Exhaust after Treatment System

4.

Catalytic Converter

?

Ignition System

5.

Ignition coil

?

Spark plug

?

PDI Coupon

Pre Delivery Inspection

Owner?s Name:

VIN No.:

Engine / Motor No.:

Reg. No.:

ODO Reading:

Date of Service:

Service Dealer?s Stamp & Signature

PDI Coupon

Pre Delivery Inspection

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

VIN No.:

Engine / Motor No.:

Reg. No.:

ODO Reading:

Date of Sale:

Date of Service:

Service Dealer code:

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

Customer?s Signature

Service Dealer?s Stamp & Signature

AVAIL ALL SERVICES TO GET BENEFIT OF WARRANTY

1st Free Service Coupon

Valid for 1000 - 2000 kms. OR 2 months,

Whichever is earlier

Owner's Name:

VIN No.:

Engine / Motor No.:

Reg. No.:

ODO Reading:

Date of Service:

Service Dealer's Stamp & Signature

1st Free Service Coupon

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

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

Owner's Name:

VIN No.:

Engine / Motor No.:

Reg. No.:

ODO Reading:

Date of Sale:

Date of Service:

Service Dealer code:

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

Customer's Signature

Service Dealer's Stamp & Signature

AVAIL ALL SERVICES TO GET BENEFIT OF WARRANTY

2nd Free Service Coupon

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

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

Owner?s Name:

Service Dealer code:

3rd Free Service Coupon

Valid for 14,500 ? 15,500 kms. OR 12

months, whichever is earlier

3rd Free Service Coupon

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

VIN No.:

Engine / Motor No.:

Reg. No.:

ODO Reading:

Date of Service:

Service Dealer?s Stamp & Signature

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

Owner?s Name:

VIN No.:

Engine / Motor No.:

Reg. No.:

ODO Reading:

Date of Sale:

Date of Service:

Service Dealer code:

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

Customer?s Signature

Service Dealer?s Stamp & Signature

AVAIL ALL SERVICES TO GET BENEFIT OF WARRANTY